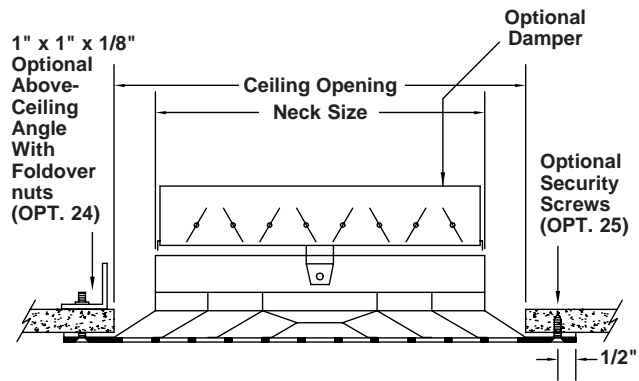
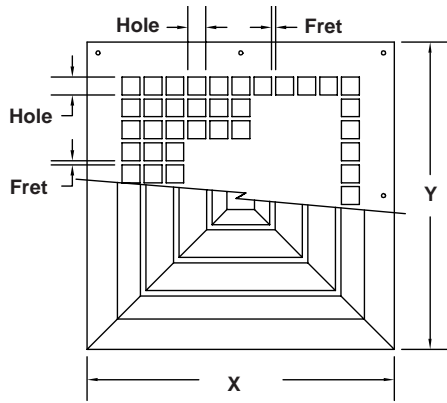


MODEL SD — SECURITY CEILING DIFFUSER



STANDARD CONSTRUCTION

Face: 12 ga. steel.

Hole Pattern: 13/16" square holes with 3/16" frets.

Diffuser: Commercial surface mount ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:


Face Material: ☐ 12 ga. steel (Std.)
☐ 14 ga. steel
☐ 10 ga. steel
☐ Other _____

Hole Pattern: ☐ 13/16" square holes with 3/16" frets (Std.)
☐ 3/4" x 3/4" square holes with 1/4" frets
☐ 1/2" x 1/2" holes with 3/16" frets.
☐ Other _____

Finish: ☐ White (Std.)
☐ Other _____

Other Material: ☐ **SD-A** all aluminum construction. 10 ga. (.100") thick face, aluminum diffuser
☐ **SD-SS** all stainless steel construction. 12 ga. type 304 face, stainless steel diffuser.

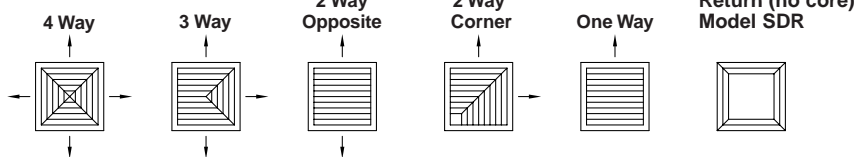
MOUNTING OPTIONS:

- ☐ **25A.** (Std) Countersunk screw holes in face 10" o.c. with #10 x 2" long Torx security sheet metal screws. Clearance hole in diffuser for securing to structure above diffuser. Other screw style/size/length _____
- ☐ **25B.** Countersunk screw holes in face 10" o.c. with #10 x 1" long Torx security sheet metal screws. Starter hole in diffuser for securing face plate directly to diffuser. Other screw style/size/length _____
- ☐ **24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other screw style/size/length _____
- ☐ **11H.** 1" x 1" x 1/8" angle frame with extended legs on one end. Loose for field welding to sleeve (requires option SLV). 

ACCESSORIES:


- ☐ **16F.** Face operated opposed blade damper, loose for field installation.
- ☐ **SXR.** Square to round transition, loose for field installation. Advise round size _____
- ☐ **EG.** Equalizing grid, loose for field installation.
- ☐ **SLV.** 12 ga. steel sleeve with continuously welded or formed seams, stitch welded to diffuser neck. Advise sleeve length _____
- ☐ **Other Options:** _____

THROW PATTERNS



Qty.	Neck Size *	X x Y	Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

To maintain our policy of continuous product improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation.

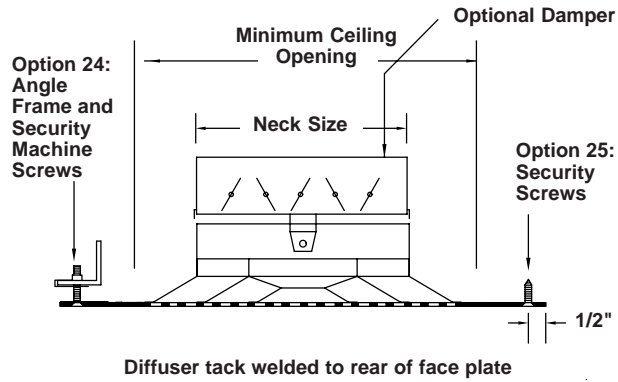
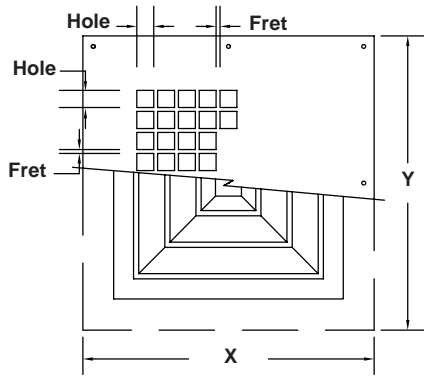
Project				Location	<div><div>AJ Manufacturing 8701 Elmwood Avenue #400 Kansas City, MO 64132 Phone: (816) 231-5522 Fax: (816) 231-8437 www.AJmfg.com</div></div>		
Architect / Engineer							
Contractor			Dwg. No.	SDw 03/29/06			
Representative			Date				



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MODEL SDE

SECURITY CEILING DIFFUSER WITH EXTENDED FACE PLATE



STANDARD CONSTRUCTION

Face: 12 ga. steel.

Hole Pattern: 13/16" square holes with 3/16" frets.

Diffuser: Commercial ceiling diffuser tack welded to rear of face plate.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material: ☐ 12 ga. steel (Std.)
☐ 14 ga. steel
☐ 10 ga. steel
☐ Other _____

Hole Pattern: ☐ 13/16" square holes with 3/16" frets (Std.)
☐ 3/4" x 3/4" square holes with 1/4" frets
☐ 1/2" x 1/2" holes with 3/16" frets.
☐ Other _____

Finish: ☐ White (Std.)
☐ Other _____

Other Material: ☐ **SDE-A** all aluminum construction
 10 ga. (.100") thick face, aluminum diffuser.
☐ **SDE-SS** all stainless steel construction
 12 ga. type 304 face, stainless steel diffuser.

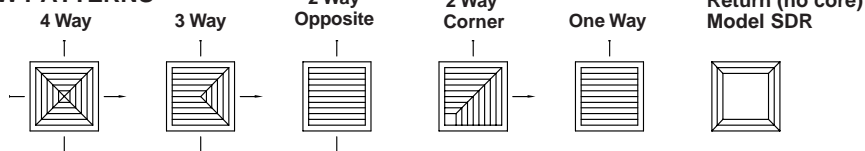
MOUNTING OPTIONS:

- ☐ **25A.** (Std) Countersunk screw holes in perimeter of face 10" o.c. with #10 x 2" long Torx security sheet metal screws. Other screw style/size/length _____
- ☐ **24.** Countersunk screw holes in perimeter of face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other angle size _____ Other screw style/size/length _____

ACCESSORIES:


- ☐ **16F.** Face operated opposed blade damper, loose for field installation.
- ☐ **SXR.** Square to round transition, loose for field installation. Advise round size _____
- ☐ **EG.** Equalizing grid, loose for field installation.
- ☐ **Other Options:** _____

THROW PATTERNS



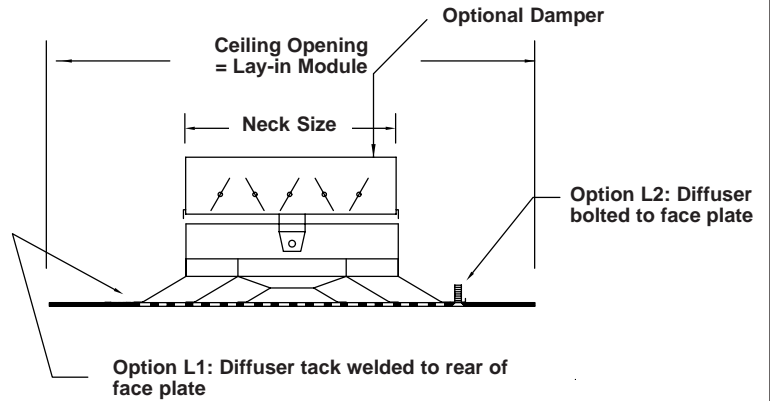
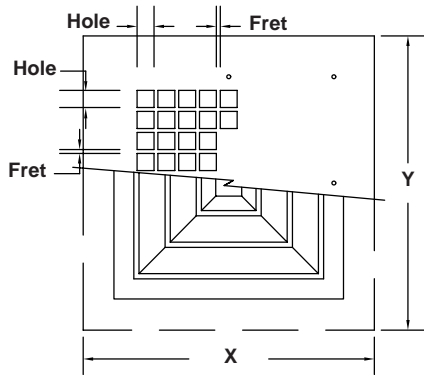
Qty.	Neck Size *	X x Y	Minimum Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

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Architect / Engineer					<div style="text-align: center;">  <p>AJ Manufacturing 8701 Elmwood Avenue #400 Kansas City, MO 64132 Phone: (816) 231-5522 Fax: (816) 231-8437 www.AJmfg.com</p> </div>			
Contractor				Dwg. No.				
				SDEw 03/29/06				
Representative				Date				

MODEL SDL

SECURITY CEILING DIFFUSER FOR LAY-IN MOUNTING



STANDARD CONSTRUCTION

Face: 12 ga. steel.
Hole Pattern: 13/16" square holes with 3/16" frets.
Diffuser: Commercial ceiling diffuser.
 *Neck sizes are available in 3" increments only.
Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

- Face Material:**
- ☐ 12 ga. steel (Std.)
 - ☐ 14 ga. steel
 - ☐ 10 ga. steel
 - ☐ Other _____
- Hole Pattern:**
- ☐ 13/16" square holes with 3/16" frets (Std.)
 - ☐ 3/4" x 3/4" square holes with 1/4" frets
 - ☐ 1/2" x 1/2" holes with 3/16" frets.
 - ☐ Other _____
- Finish:**
- ☐ White (Std.)
 - ☐ Other _____
- Other Material:**
- ☐ **SDL-A** all aluminum construction
10 ga. (.100") thick face, aluminum diffuser.
 - ☐ **SDL-SS** all stainless steel construction
12 ga. type 304 face, stainless steel diffuser.

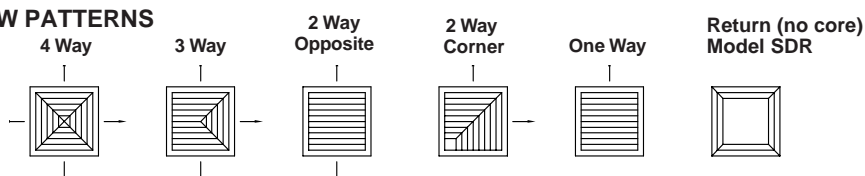
MOUNTING OPTIONS:

- ☐ **L1.** Diffuser tack welded to rear of face plate. (Std)
- ☐ **L2.** Diffuser attaches to face plate with countersunk screw holes in face 10" o.c. and #10-24 x 1" long Torx security machine screws threaded into nuts on rear of face plate.
Other screw style/size/_____

ACCESSORIES:

- ☐ **16F.** Face operated opposed blade damper, loose for field installation.
- ☐ **SXR.** Square to round transition, loose for field installation.
Advise round size _____
- ☐ **EG.** Equalizing grid, loose for field installation.
- ☐ **Other Options:** _____

THROW PATTERNS

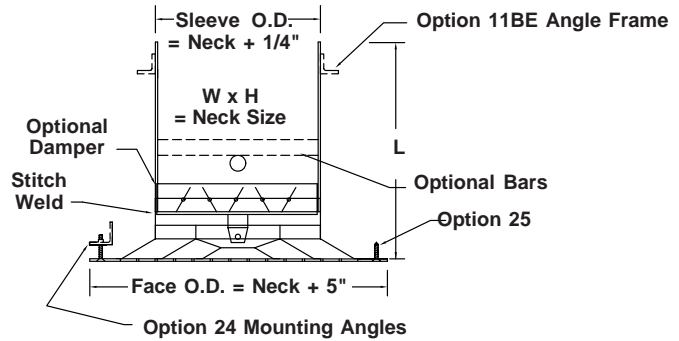
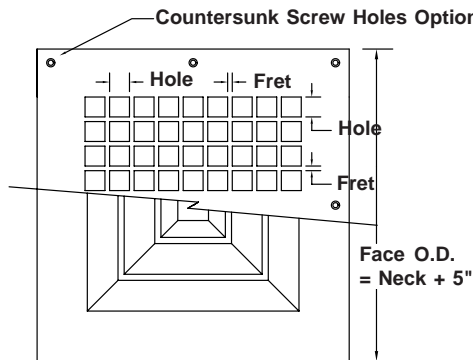


Qty.	Neck Size *	X x Y	Ceiling Grid Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

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Project				Location				
Architect / Engineer					<div style="display: flex; align-items: center;"> <div> AJ Manufacturing 8701 Elmwood Avenue #400 Kansas City, MO 64132 Phone: (816) 231-5522 Fax: (816) 231-8437 www.AJmfg.com </div> </div>			
Contractor				Dwg. No.				
				SDLw				
Representative				Date				
				03/29/05				

MODEL SD-SLV1 — SECURITY CEILING DIFFUSER WITH SLEEVE



STANDARD CONSTRUCTION

Face: 12 ga. steel plug welded to diffuser.

Hole Pattern: 13/16" square holes with 3/16" frets.

Sleeve: 12 ga. steel, with continuously welded or formed seams. Stitch welded to diffuser neck.

Diffuser: Commercial surface mount ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material: ☐ 12 ga. steel (Std.)
☐ 10 ga. steel
☐ Other _____

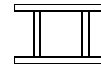
Hole Pattern: ☐ 13/16" square holes with 3/16" frets (Std.)
☐ 3/4" x 3/4" square holes with 1/4" frets
☐ 1/2" x 1/2" holes with 3/16" frets.
☐ Other _____

Sleeve Material: ☐ 12 ga. steel (Std.)
☐ 10 ga. steel
☐ Other _____

Finish: ☐ White (Std.)
☐ Other _____

MOUNTING OPTIONS:

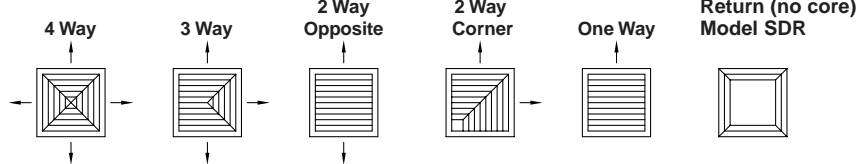
- ☐ **25A.** (Std) Countersunk screw holes in face 10" o.c. with #10 x 2" long Torx security screws. Clearance hole in diffuser for securing to structure above diffuser. Other screw style/size/length _____
- ☐ **24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other screw style/size/length _____
 Other angle size _____
- ☐ **11BE.** 1" x 1" x 1/8" angle frame with legs extended 5" on two ends. Loose for field welding to sleeve. Unpainted. Face plate is plug welded to diffuser. Other angle size _____



ACCESSORIES:


- ☐ **16F.** Face operated opposed blade damper.
- ☐ **SXR.** Square to round transition, loose for field installation. Advise round size _____
- ☐ **19.** 1/2" dia. A-36 mild steel bars 6" o.c. both ways, welded to sleeve and at intersections.
- ☐ **Other Options:** _____

THROW PATTERNS

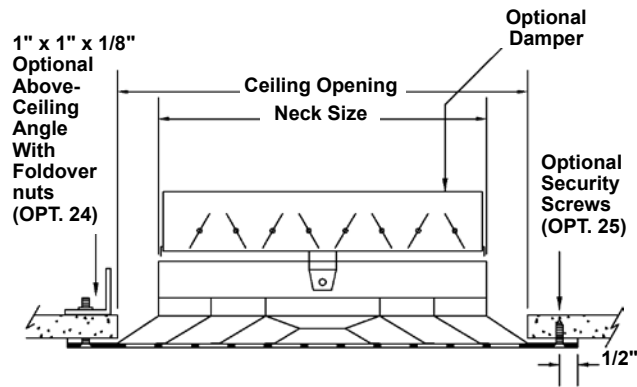
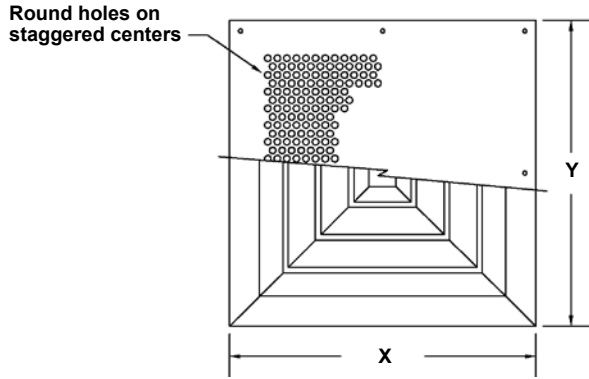


Qty.	Neck Size W x H	Sleeve O.D.	Ceiling Opening	Throw Pattern	Sleeve Length L	Accessories	Damper	Mounting Option	Tag
		Neck + 1/4"	Neck + 2-1/2"						

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Contractor				Dwg. No.					
Representative				Date					

MODEL SDP — SECURITY CEILING DIFFUSER



STANDARD CONSTRUCTION

Face: 12 ga. steel.

Hole Pattern: 5/16" round holes on 7/16" staggered centers.

Diffuser: Commercial surface mount ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material:

- ☐ 12 ga. steel (Std.)
- ☐ 14 ga. steel
- ☐ 10 ga. steel
- ☐ Other _____

Hole Pattern:

- ☐ 5/16" round holes on 7/16" staggered centers (Std.)
- ☐ 1/4" round holes on 3/8" staggered centers.
- ☐ Other _____

Finish:

- ☐ White (Std.)
- ☐ Other _____

Other Material:

- ☐ **SDP-A** all aluminum construction. 10 ga. (.100") thick face, aluminum diffuser
- ☐ **SDP-SS** all stainless steel construction. 12 ga. type 304 face, stainless steel diffuser.

MOUNTING OPTIONS:

☐ **25A.** (Std) Countersunk screw holes in face 10" o.c. with #10 x 2" long Torx security sheet metal screws. Clearance hole in diffuser for securing to structure above diffuser. Other screw style/size/length _____

☐ **25B.** Countersunk screw holes in face 10" o.c. with #10 x 1" long Torx security sheet metal screws. Starter hole in diffuser for securing face plate directly to diffuser. Other screw style/size/length _____

☐ **24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other screw style/size/length _____

☐ **11H.** 1" x 1" x 1/8" angle frame with extended legs on one end. Loose for field welding to sleeve (requires option SLV).



ACCESSORIES:

☐ **16F.** Face operated opposed blade damper, loose for field installation.

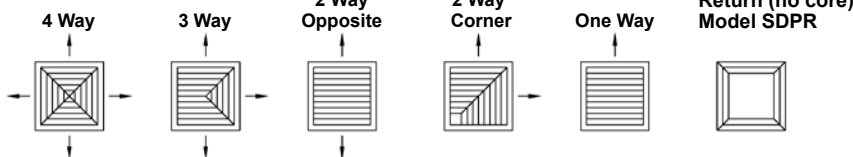
☐ **SXR.** Square to round transition, loose for field installation. Advise round size _____

☐ **EG.** Equalizing grid, loose for field installation.

☐ **SLV-1.** 12 ga. steel sleeve with continuously welded or formed seams, stitch welded to diffuser neck. Advise sleeve length _____


☐ **Other Options:** _____

THROW PATTERNS



Qty.	Neck Size *	X x Y	Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

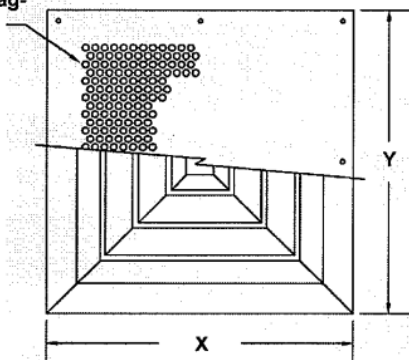
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Architect / Engineer						 <div>AJ Manufacturing 8701 Elmwood Avenue #400 Kansas City, MO 64132 Phone: (816) 231-5522 Fax: (816) 231-8437 www.AJmfg.com</div>	
Contractor				Dwg. No.	SDPw 10/15/13		
Representative				Date			

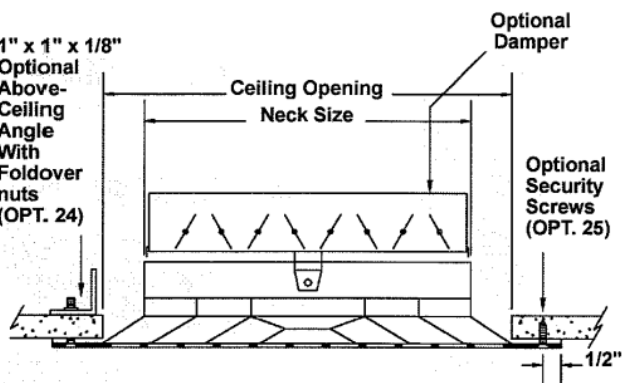
MODEL SDP3 — SECURITY CEILING DIFFUSER

Complies with NIC recommendations and California BoP Title 24

Round holes on staggered centers



1" x 1" x 1/8" Optional Above-Ceiling Angle With Foldover nuts (OPT. 24)



STANDARD CONSTRUCTION

Face: 14 ga. steel.

Hole Pattern: 3/16" dia. holes on 1/4" staggered centers.

Diffuser: Commercial ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material: ☐ 14 ga. steel (Std.)

☐ Other _____

Hole Pattern: ☐ 3/16" dia. holes on 1/4" staggered centers (reduced risk)

☐ Other _____

Finish: ☐ White (Std.)

☐ Other _____

MOUNTING OPTIONS:

☐ 25A. (Std) Countersunk screw holes in face 10" o.c. with #10 x 2" long Torx security flat head sheet metal screws. Clearance hole in diffuser for securing to structure above diffuser. Other screw style/size/length _____

☐ 25B. Countersunk screw holes in face 10" o.c. with #10 x 1" long Torx security flat head sheet metal screws. Starter hole in diffuser for securing face plate directly to diffuser. Other screw style/size/length _____

☐ 24. Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security flat head machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other screw style/size/length _____

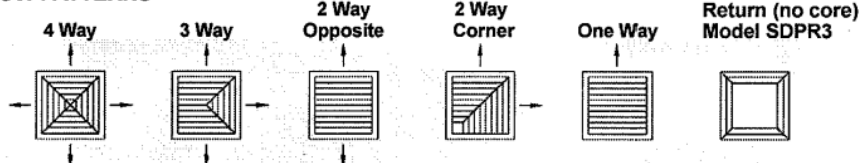
ACCESSORIES:

☐ 16F. Face operated opposed blade damper, loose for field installation.

☐ SXR. Square to round transition, loose for field installation. Advise round size _____


☐ Other Options: _____

THROW PATTERNS



Qty.	Neck Size *	X x Y	Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

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Contractor		Dwg. No.	SDPw 10/15/13				
Representative		Date					

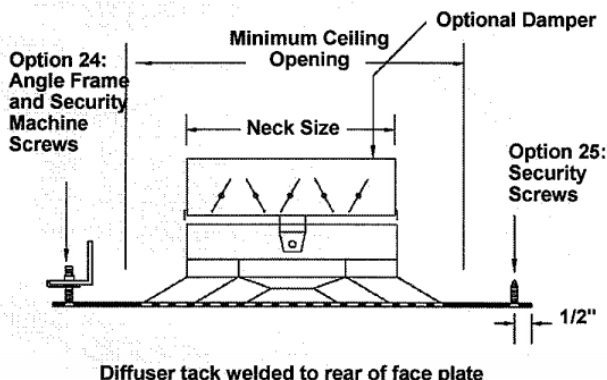
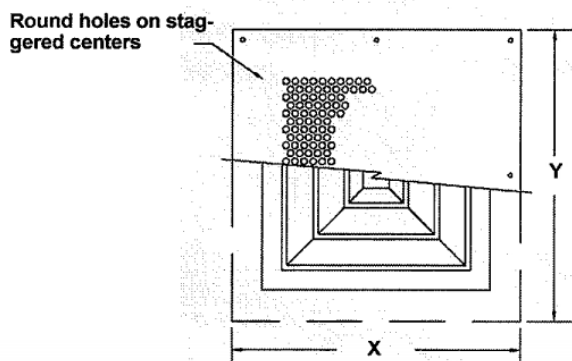


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MODEL SDP3E

SECURITY CEILING DIFFUSER WITH EXTENDED FACE PLATE

Complies with NIC recommendations and California BoP Title 24



STANDARD CONSTRUCTION

Face: 14 ga. steel.

Hole Pattern: 3/16" round holes on 1/4" staggered centers.

Diffuser: Commercial surface mount ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material: ☐ 14 ga. steel (Std.)
☐ Other _____

Hole Pattern: ☐ 3/16" round holes on 1/4" staggered centers (Std.)
☐ Other _____

Finish: ☐ White (Std.)
☐ Other _____

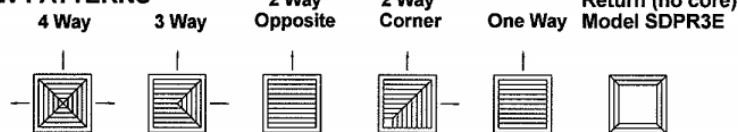
MOUNTING OPTIONS:

- ☐ **25A.** (Std) Countersunk screw holes in perimeter of face 10" o.c. with #10 x 2" long Torx security flat head sheet metal screws.
 Other screw style/size/length _____
- ☐ **24.** Countersunk screw holes in face 10" o.c. with #10-24 x 2" long Torx security flat head machine screws for 1-1/2" maximum ceiling thickness. 1" x 1" x 1/8" steel angle frame with matching holes and foldover nuts. Other angle size _____
 Other screw style/size/length _____

ACCESSORIES:

- ☐ **16F.** Face operated opposed blade damper, loose for field installation.
- ☐ **SXR.** Square to round transition, loose for field installation.
 Advise round size _____
- ☐ **EG.** Equalizing grid, loose for field installation.
- ☐ **Other Options:** _____

THROW PATTERNS



Qty.	Neck Size *	X x Y	Minimum Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

To maintain our policy of continuous product improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation.

Project		Location	
Architect / Engineer			
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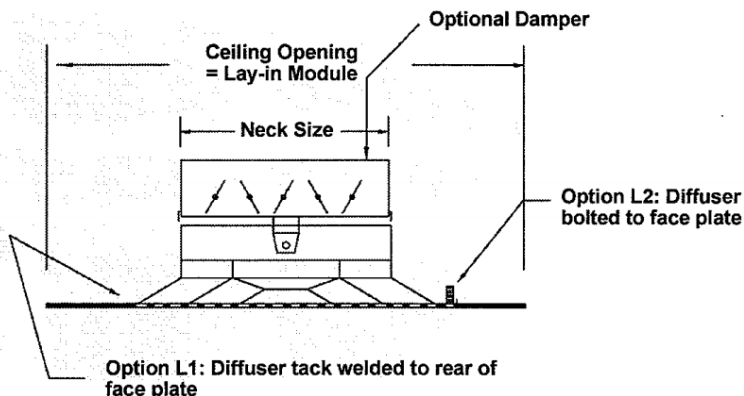
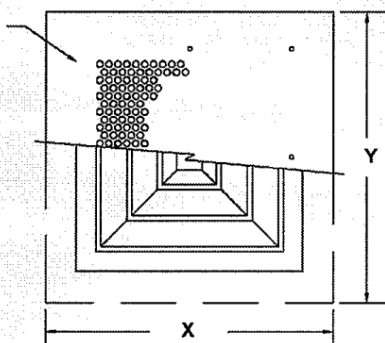
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MODEL SDP3L

SECURITY CEILING DIFFUSER FOR LAY-IN MOUNTING

Complies with NIC recommendations and California BoP Title 24

Round holes on staggered centers



STANDARD CONSTRUCTION

Face: 14 ga. steel.

Hole Pattern: 3/16" round holes on 1/4" staggered centers.

Diffuser: Commercial surface mount ceiling diffuser.

*Neck sizes are available in 3" increments only.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material: ☐ 14 ga. steel (Std.)
☐ Other _____

Hole Pattern: ☐ 3/16" round holes on 1/4" staggered centers (Std.)
☐ 3/16" round holes on 9/32" staggered centers
☐ Other _____

Finish: ☐ White (Std.)
☐ Other _____

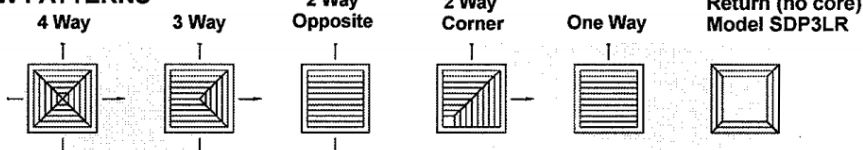
MOUNTING OPTIONS:

- ☐ L1. Diffuser tack welded to rear of face plate. (Std)
- ☐ L2. Diffuser attaches to face plate using countersunk screw holes in face 10" o.c. and #10-24 x 1" long Torx security flat head machine screws threaded into nuts on rear of face plate.
 Other screw style/size/ _____

ACCESSORIES:


- ☐ 16F. Face operated opposed blade damper, loose for field installation.
- ☐ SXR. Square to round transition, loose for field installation.
 Advise round size _____
- ☐ EG. Equalizing grid, loose for field installation.
- ☐ Other Options: _____

THROW PATTERNS



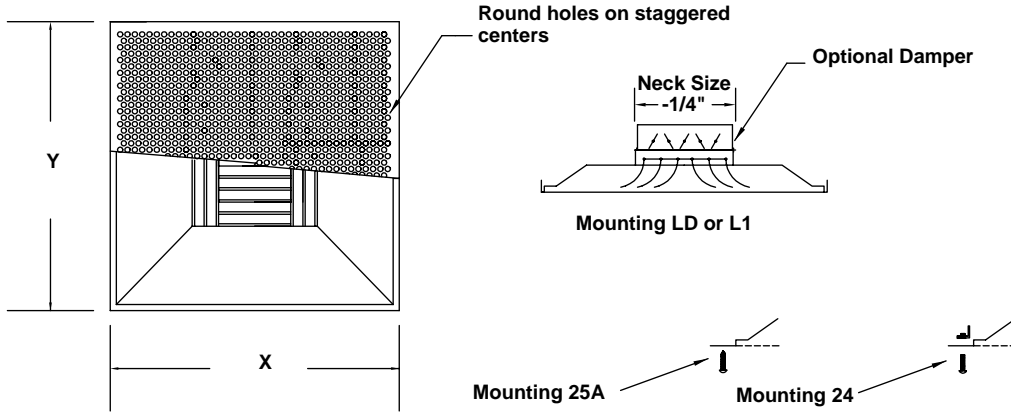
Qty.	Neck Size *	X x Y	Ceiling Grid Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

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Architect / Engineer							
Contractor		Dwg. No.	SDPw 10/15/13				
Representative		Date					

MODEL SDPC PERFORATED SECURITY CEILING DIFFUSER WITH ADJUSTABLE CURVED BLADE PATTERN CONTROL

Complies with NIC recommendations and California BoP Title 24



STANDARD CONSTRUCTION

Face: 18 ga. paint lock steel.

Hole Pattern: 3/16" round holes on 1/4" staggered centers.

Diffuser: 24 ga. steel plenum with aluminum adjustable curved blade pattern controllers. Round or square neck.

Finish: Two part polyurethane. White.

REQUIRED CONSTRUCTION:

Face Material:

- ☐ 18 ga. paint lock steel (Std.)
- ☐ 16 ga. paint lock steel
- ☐ 14 ga. paint lock steel (Std. Opt. 24 & 25 only)
- ☐ Other _____

Hole Pattern:

- ☐ 3/16" round holes on 1/4" staggered centers (Std.)
- ☐ Other _____

Finish:

- ☐ White (Std.)
- ☐ Other _____

Other Material: ☐ Aluminum face (.063") and aluminum plenum.

MOUNTING OPTIONS:

☐ **LD.** Bend out tabs to lock under security ceiling grid bulb.

Advise:

Ceiling Manufacturer _____

Ceiling Model: _____

☐ **L1.** Lay-in for t-bar grid ceilings.

☐ **25A.** Surface mount with countersunk screw holes in face 10" o.c. with #10 x 2" torx security sheet metal screws for hard ceilings. Diffuser tack welded to back of 14 ga. steel face plate. Other screw style/size/length _____

☐ **24.** Surface mount with countersunk screw holes in face 10" o.c.. 1" x 1" x 1/8" steel above ceiling angle frame with matching holes and foldover nuts. #10-24 x 2" long Torx security machine screws for 1-1/2" maximum ceiling thickness. Diffuser tack welded to back of 14 ga. steel face plate. Other screw style/size/length _____

ACCESSORIES:

☐ **16F.** Face operated steel opposed blade damper. For square necks only.

☐ **SXR.** Square to round transition, light ga. steel, loose for field installation. Use when round connections and dampers are required. Advise round size _____

☐ **Other Options:** _____

THROW PATTERNS

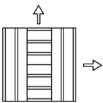
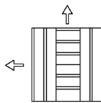
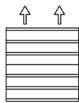
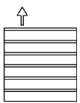
1 Way

2 Way

3 Way


4 Way

SDPCR Return
(no pattern controllers)



Qty.	Neck Size	X x Y (Face O.D.)	Ceiling Opening	Throw Pattern	Accessories	Damper	Mounting Option	Tag

To maintain our policy of continuous product improvement, we reserve the right to change prices, specifications, ratings or dimensions without notice or obligation.

Project				Location	<div><div>AJ Manufacturing 8701 Elmwood Avenue #400 Kansas City, MO 64132 Phone: (816) 231-5522 Fax: (816) 231-8437 www.AJmfg.com</div></div>		
Architect / Engineer							
Contractor		Dwg. No.	SDPCw 10/04/2013				
Representative		Date					



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