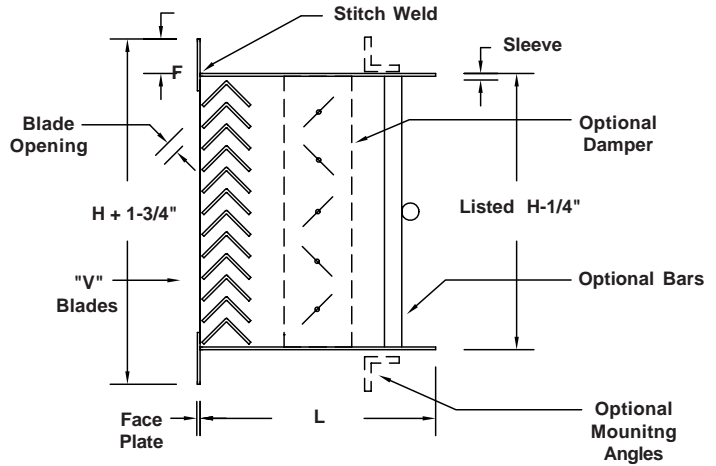
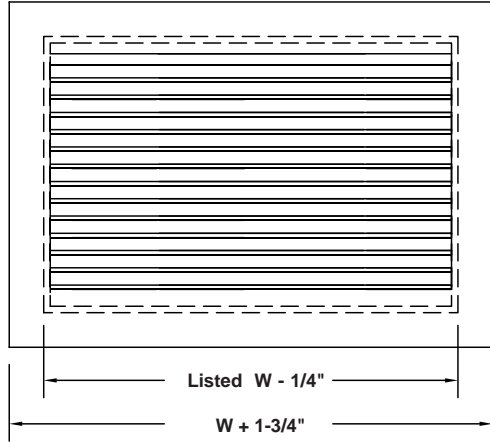


SEG-13 SECURITY GRILLE



STANDARD CONSTRUCTION

Face: 12 ga. steel stitch welded to sleeve. 1" face flange.
Blades: 12 ga. steel "V" blades with 1/2" openings. Blades are welded to sleeve.
Sleeve: 12 ga. steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:** 12 ga. steel (Std.)
 Other _____
- Blade Material:** 12 ga. steel (Std.)
 Other _____
- Blade Opening:** 1/2" (Std.)
 1/8"
 Other _____
- Flange "F":** 1" (Std.)
 Other _____
- Sleeve Material:** 12 ga. steel (Std.)
 Other _____
- Finish:** White (Std.)
 Other _____
- Other Material:** **SEG-13A** all aluminum construction.
 SEG-13SS all stainless steel construction

MOUNTING OPTIONS:

- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish steel angle loose for field welding. Length equal to longest side of grille. Other angle size _____
- 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding. Other angle size _____
- 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
- 12B.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes in sleeve and frame 8" o.c. for 1/4" dia. bolts. No bolts, nuts or washers. (Advise wall or ceiling thickness). Other angle size _____
- 23.** Masonry anchors: 1/2" x 3" Anchors 16" o.c., one per side minimum, welded to sleeve exterior. Other size or spacing _____
- 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. Requires 1-1/2" flange.
- 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____

ACCESSORIES:

- 16R.** Rear operated opposed blade damper tack welded into sleeve.
- 19.** 1/2" dia. A-36 mild steel security bars 6" o.c. both ways, welded to sleeve and at intersections.
- Other:** _____

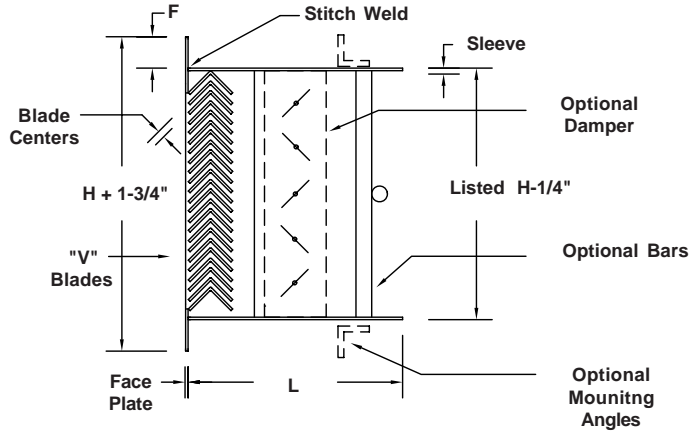
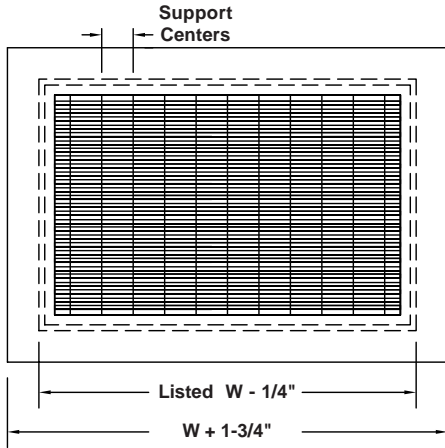
Qty.	Listed Size		Sleeve O.D.		Masonry Opening		Sleeve Length L	Wall Thickness	Accessories	Mounting Option	Tag
	W	H	W	H	W	H					

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

Project		Location		
Architect / Engineer				
Contractor		Dwg. No.	SEG-13w 03/30/06	
Representative		Date		

KEES INCORPORATED
 400 S. Industrial Dr. • P.O. Box L
 Elkhart Lake, WI 53020
 Phone: (920) 876-3391
 Fax: (920) 876-3065
 Website: www.kees.com

SEG-13B SECURITY GRILLE



STANDARD CONSTRUCTION

Face: 3/16" steel stitch welded to sleeve. 1" face flange.
Blades: 12 ga. steel "V" blades on 1/4" centers. Blades penetrate supports and are welded to sleeve.
Supports: 12 ga. steel on 1/2" centers. Welded to sleeve.
Sleeve: 3/16" steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:** 3/16" steel (Std.)
 10 ga. steel
 12 ga. steel
 Other _____
- Blade Centers:** 1/4" (Std.)
 1/2"
 Other _____
- Support Center:** 1/2" (Std.)
 2"
 Other _____
- Flange "F":** 1" (Std.)
 Other _____
- Sleeve Material:** 3/16" steel (Std.)
 12 ga. steel
 Other _____
- Finish:** White (Std.)
 Other _____

MOUNTING OPTIONS:

- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish steel angle loose for field welding. Length equal to longest side of grille. Other angle size _____
- 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding. Other angle size _____
- 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
- 12B.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes in sleeve and frame 8" o.c. for 1/4" dia. bolts. No bolts, nuts or washers. (Advise wall or ceiling thickness). Other angle size _____
- 23.** Masonry anchors: 1/2" x 3" Anchors 16" o.c., one per side minimum, welded to sleeve exterior. Other size or spacing _____
- 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. Requires 1-1/2" flange.
- 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____

ACCESSORIES:

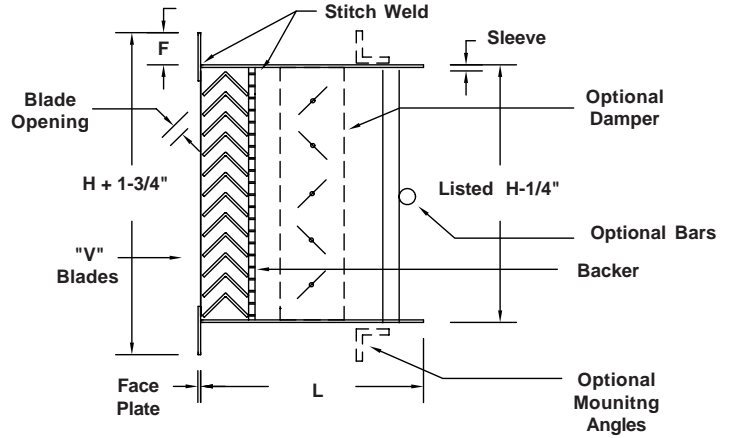
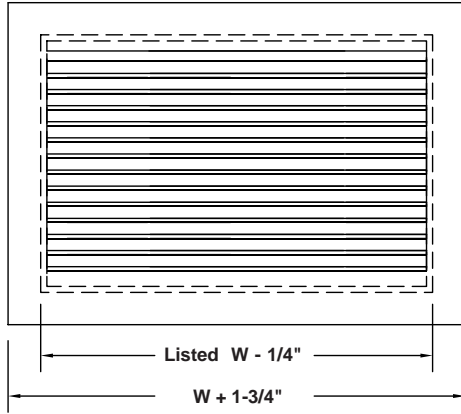
- 16R.** Rear operated opposed blade damper tack welded into sleeve.
- 19.** 1/2" dia. A-36 mild steel security bars 6" o.c. both ways, welded to sleeve and at intersections.
- Other:** _____

Qty.	Listed Size		Sleeve O.D.		Masonry Opening		Sleeve Length L	Wall Thickness	Accessories	Mounting Option	Tag
	W	H	W	H	W	H					

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

Project	Location	<p>KEES INCORPORATED 400 S. Industrial Dr. • P.O. Box L Elkhart Lake, WI 53020 Phone: (920) 876-3391 Fax: (920) 876-3065 Website: www.kees.com</p>	
Architect / Engineer			
Contractor	Dwg. No. SEG-13Bw		
Representative	Date 07/15/04		

SEG-13P RISK RESISTANT SECURITY GRILLE



STANDARD CONSTRUCTION

Face: 12 ga. steel stitch welded to sleeve. 1" face flange.
Blades: 12 ga. steel "V" blades on 3/16" openings. Blades are welded to sleeve.
Perforated backer: 11ga. steel with 1/8" dia. holes on 3/16" staggered centers.
Sleeve: 12 ga. steel with continuously welded or formed seams.
Finish: Two part polyurethane inside and out. White.

REQUIRED CONSTRUCTION:

- Face Material:** 12 ga. steel (Std.)
 Other _____
- Blade Material:** 12 ga. steel (Std.)
 Other _____
- Blade Opening:** 3/16" (Std.)
 3/8"
 1/8"
 Other _____
- Flange "F":** 1" (Std.)
 Other _____
- Sleeve Material:** 12 ga. steel (Std.)
 Other _____
- Finish:** White (Std.)
 Other _____
- Other Material:** SEG-13PA all aluminum construction.
 SEG-13PSS all stainless steel construction

MOUNTING OPTIONS:

- 11A.** Two loose pieces of 1" x 1" x 3/16" mill finish steel angle loose for field welding. Length equal to longest side of grille. Other angle size _____
- 11B.** Rear angle frame of 1" x 1" x 3/16" mill finish steel completely assembled for field welding. Other angle size _____
- 12A.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes 8" o.c. for 1/4" dia. bolts. No holes in sleeve. No bolts, nuts or washers. Other angle size _____
- 12B.** Rear angle frame for bolting to sleeve. 1" x 1" x 3/16" steel with bolt holes in sleeve and frame 8" o.c. for 1/4" dia. bolts. No bolts, nuts or washers. (Advise wall or ceiling thickness). Other angle size _____
- 23.** Masonry anchors: 1/2" x 3" Anchors 16" o.c., one per side minimum, welded to sleeve exterior. Other size or spacing _____
- 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. Requires 1-1/2" flange.
- 25.** Countersunk screw holes in face 10" o.c. with #10 x 1-1/2" long Torx security sheet metal screws. Other screw length _____

ACCESSORIES:

- 16R.** Rear operated opposed blade damper tack welded into sleeve.
- 19.** 1/2" dia. A-36 mild steel security bars 6" o.c. both ways, welded to sleeve and at intersections.
- Other:** _____

Qty.	Listed Size		Sleeve O.D.		Masonry Opening		Sleeve Length L	Wall Thickness	Accessories	Mounting Option	Tag
	W	H	W	H	W	H					

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

Project		Location		
Architect / Engineer				KEES INCORPORATED 400 S. Industrial Dr. • P.O. Box L Elkhart Lake, WI 53020 Phone: (920) 876-3391 Fax: (920) 876-3065 Website: www.kees.com
Contractor		Dwg. No.		
Representative		Date		