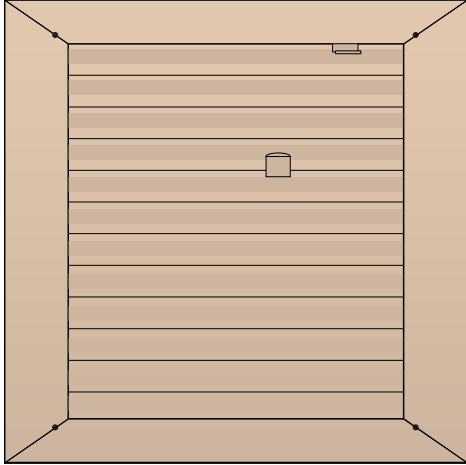


SDL-FP

Installation Instructions

Fire-rated Steel Door Louver
For 1 3/4 in [44.5 mm] doors

Parts List

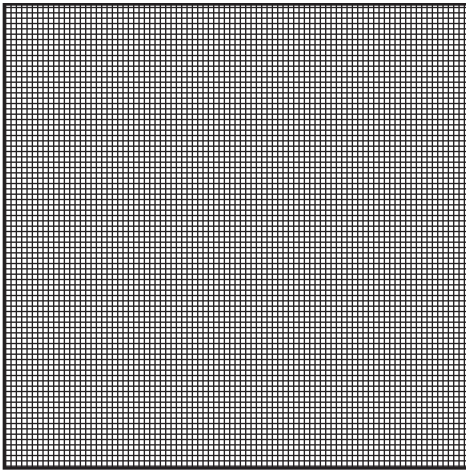


SDL-FP Louver

 **#8 x 3/4" Phillips Flat Head Screws**
(quantity based on louver size)

 **#8 x 1/2" Phillips Flat Head Screws**
(1)

Optional Add-on Products



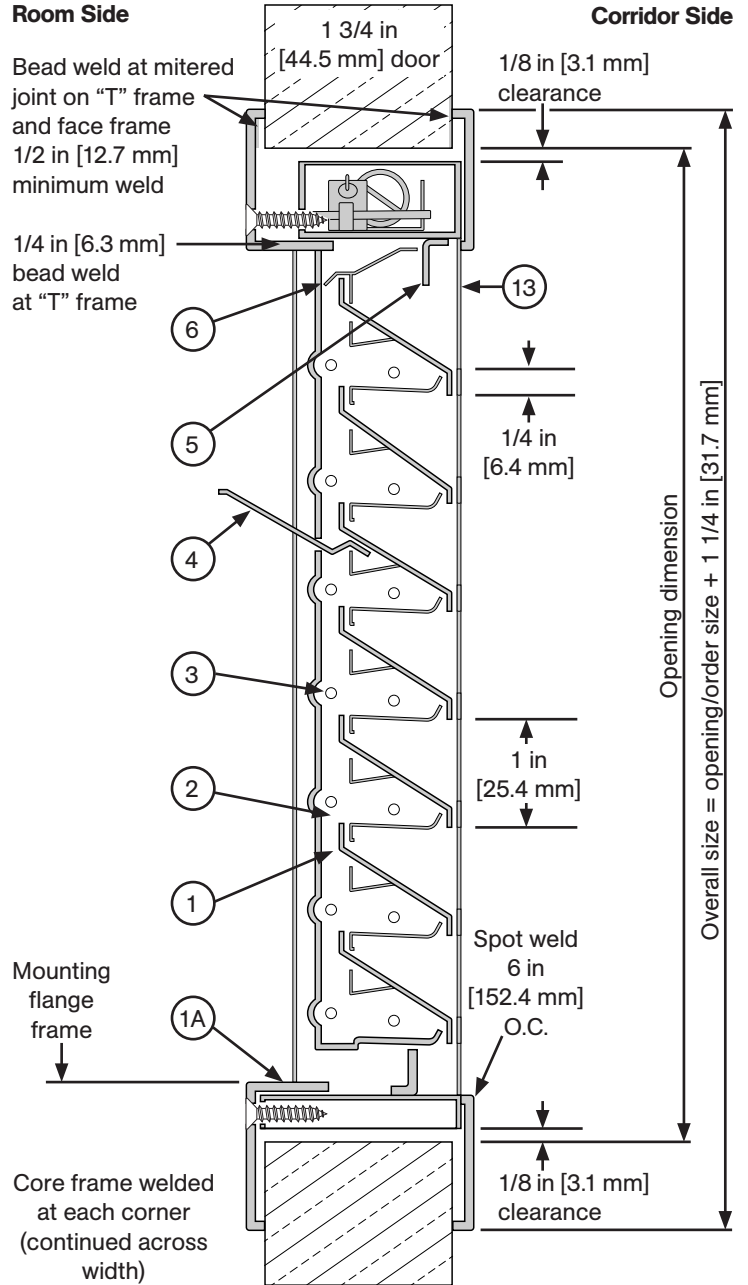
Insect Screen or Bird Screen

Fire Ratings

with UL and ITS classification marks

Tested & Listed for UL10C, and classified in accordance with UBC7-2-94, ASTM E152, CAN/ULC S104, NFPA 252. Install in accordance with NFPA80.

The Model SDL-FP us U.L. and WHI listed for use in fire doors up to 1 1/2 hour rating. Louver size shall not exceed maximum of 576 square inches, 24 in [610 mm] width and 24 in [610 mm] height. The minimum width and height shall not be less than 10 in [254 mm] and 6 in [153 mm], respectively. Louvers may be provided for classified hollow-metal type and composite type fire doors.



Specifications

- ① Louver blades 16 ga. cold rolled steel (CRS)
- ①A Channel frame and flange - frame 18 ga. CRS
- ② Action bar 3/8" x .05" CRS
- ③ Rivets - cadmium plated (Ø.09" x .21")
- ④ Adjusting tab - position approximately 1/2" from bottom of unit (spot welded to blade)
- ⑤ Blade stop 5/8" x 3/8" x 18 ga. (.048") CRS angle (spot welded to core frame)
- ⑥ Flat spring - holds blades in open position (riveted to frame)
- ⑬ Security grille - 12 ga (.10") CRS with 13/16" openings and 3/16" fret bars

Installation Steps

Step #1:

Cut hole in door to cut-out size of louver. Ensure opening is plumb and square.

Step #2:

Insert corridor side of louver into opening. Align room side of louver into cut-out against corridor side of louver.

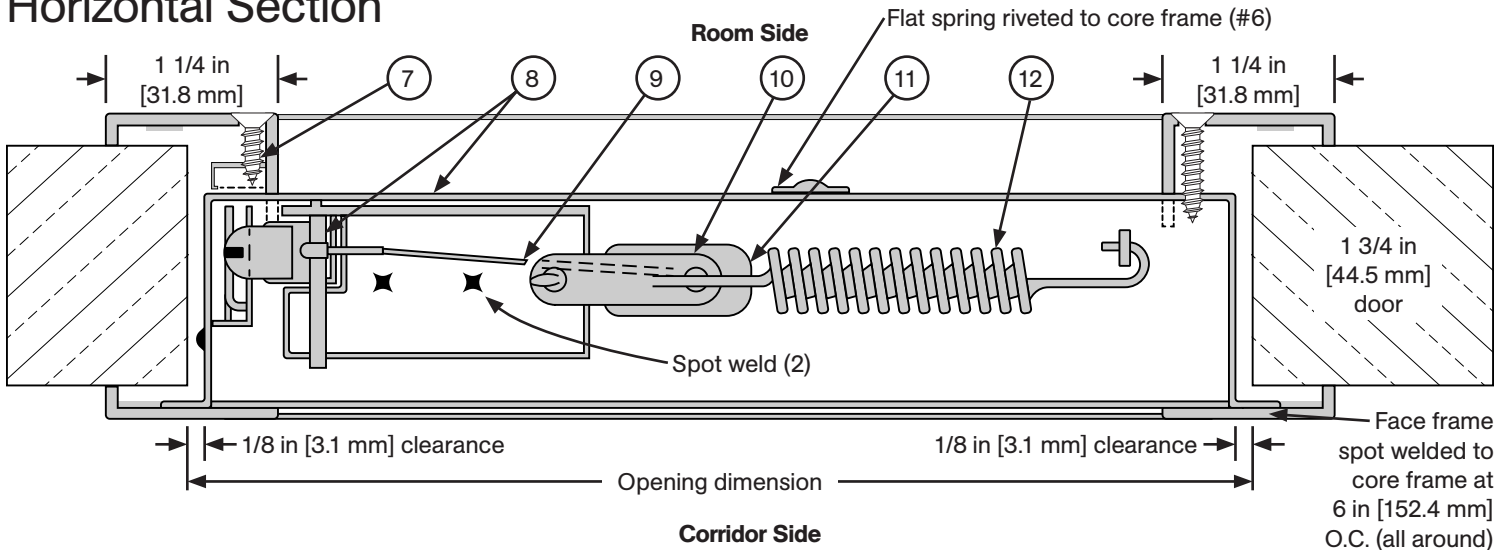
Step #3:

Using pre-punched holes on room side of the frame, fasten with #8 x 3/4" Phillips Flat Head Screws. Use 1/2 in [12.7 mm] screw in hole closest to fusible link. Tighten all screws securely.

Step #4:

Inspect fusible link to ensure it is intact. **Note: Do not install if link is broken. Paint should not be applied to fusible link or any of connecting hardware including flat spring.**

Horizontal Section



Specifications

- ① Louver blades 16 ga. CRS
- ② Action bar 3/8" x .05 CRS
- ③ Rivets - cadmium plated ($\varnothing.09$ " x .21")
- ⑦ Mounting screws
- ⑧ Rocker arm and closing bar and housing
- ⑨ "S" hook - .08" cadmium plated steel
- ⑩ Fusible link - activated at 165°F maximum
- ⑪ Heat opening - 1/2" x 1"
- ⑫ Tension spring - 3" x $\varnothing 1/2$ " x .063" cadmium plated steel

Cleaning and Maintenance

Use a soft cloth and mild soap and water.

Partial Front Elevation (closed position)

Face flange removed for clarity

1/2 in [12.7 mm] bead weld at each mitred joint

