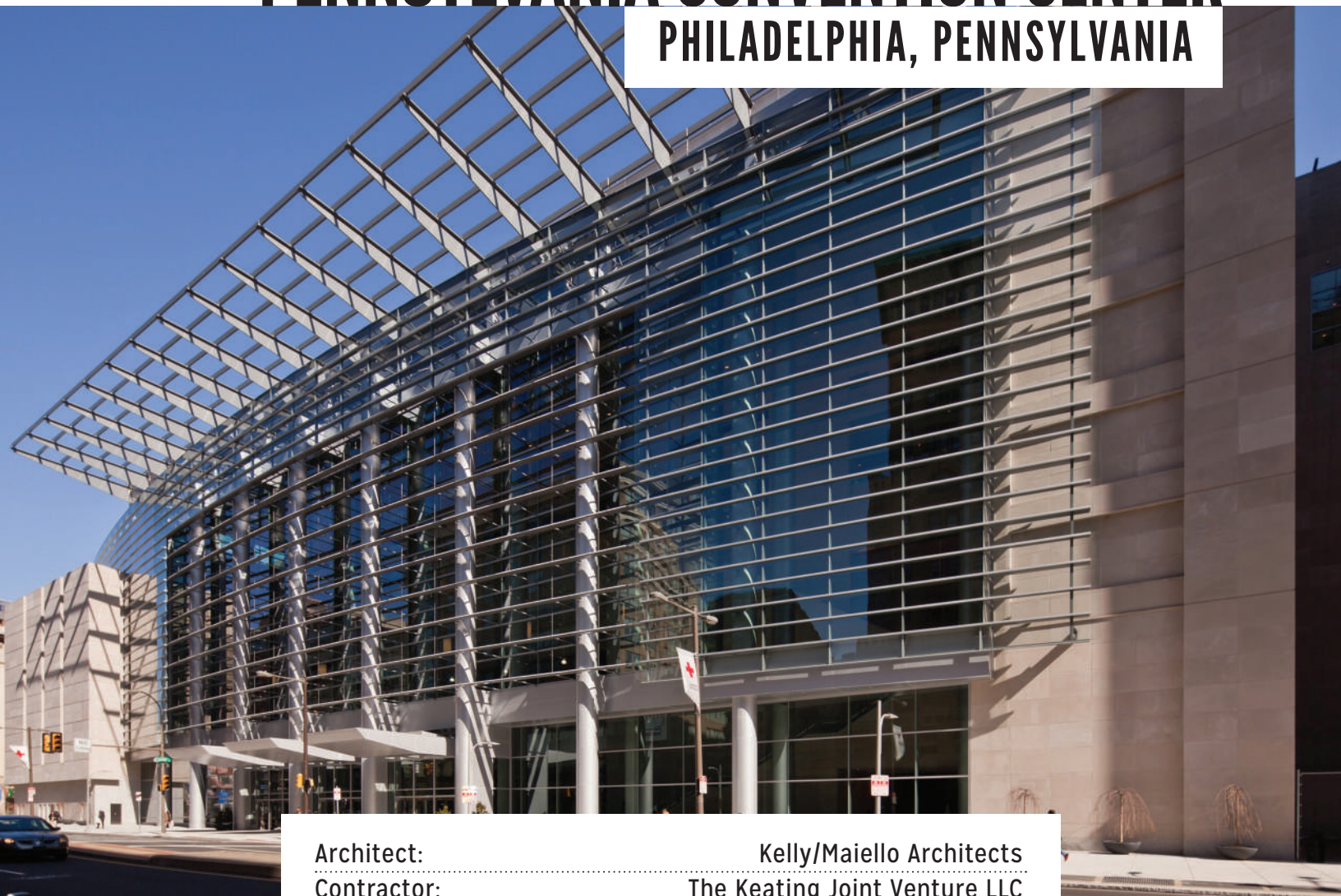


PENNSYLVANIA CONVENTION CENTER

PHILADELPHIA, PENNSYLVANIA



Architect:	Kelly/Maiello Architects
Contractor:	The Keating Joint Venture LLC
Engineer:	Vitetta
Pottorff Representative:	Elite Air Systems, Inc.
Sheet Metal:	Advantage Contracting, Inc.



MEMBER



The Philadelphia Convention Center expansion project which was completed in 2011, lies across 20 acres of central Philadelphia. The project includes a lobby, meeting rooms, exhibit halls, offices, ballroom and new kitchen. It is the largest single public works project in Pennsylvania History. The project is LEED Certified.

Pottorff supplied VFD-10 curtain style fire dampers and FSD-142 fire-smoke dampers for this project.

POTTORFF®

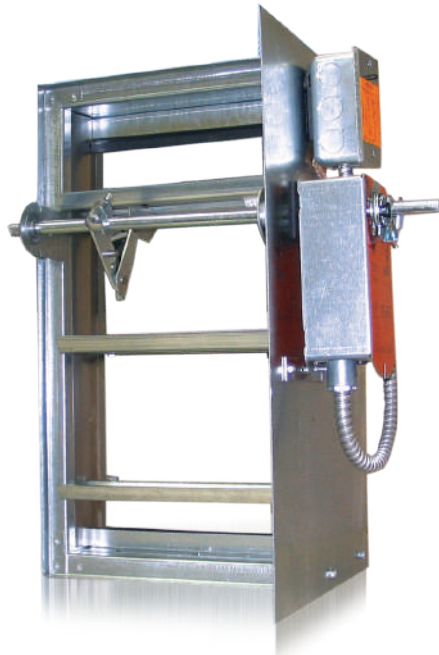
For more info, visit www.pottorff.com.

OUR PRODUCTS

Pottorff has more than 80 years of world-wide HVAC experience and is the leader in the industry with our 5-year warranty on louvers and dampers. Customers can count on AMCA/UL certified performance from our product line. We also feature an on-site, state-of-the-art UL elevated Temperature Airflow Lab and we actively participate in the development of industry codes and standards.



FSD-142
(3V blade fire/
smoke damper)



The **FSD-142** combination fire smoke dampers employ triple-V blades for point-of-origin control of fire and smoke in static and dynamic smoke management systems. The FSD-141 and FSD-142 are qualified to 2,000 ft/min (10.2 m/s) and 4 in.wg. (1.0 kPa) and may be installed in vertical walls or partitions, or horizontally in floors or assemblies with fire resistance ratings up to 2 hours.

STANDARD CONSTRUCTION:

Frame:	5" × 1" (127 × 25) galvanized steel hat channel with interlocking corner gusset. Equivalent to 13 gauge (2.4) channel frame. Low profile head and sill are used on sizes less than 13" (330) high.		
Blades:	6" × 16 gauge (152 × 1.6) galvanized steel — triple-V.		
Sleeve:	16" × 20 gauge (406 × 1.0) galvanized steel.		
Axles:	1/2" (13) diameter plated steel hex.		
Linkage:	Concealed in frame.		
Bearings:	Stainless steel oilite, sleeve-type.		
Seals:	Silicone blade edge seals and flexible metal jamb seals.		
Actuator:	120 VAC, power-open, spring-close, external mount.		
Fire Closure Device:	HS-10 (electric actuators)		
PFV (pneumatic actuators)			
Fire Closure Temperature:	165°F (75°C).		
Minimum Size:		6" × 6" (152 × 152)	
Maximum Size:	Single section:	36" × 48" (914 × 1219)	
Vertical mount:		144" × 96" (3658 × 2438)	
Horizontal mount:		108" × 48" (2743 × 1219)	
Stainless steel	Vertical/Horizontal Mount:	72" × 48" (1829 × 1219)	

VFD-10
(curtain style
fire damper)



The **VFD-10** fire damper employs curtain style blades for point-of-origin control of fire in static HVAC systems. The VFD-10 may be installed in vertical walls or partitions, or horizontally in floors or assemblies with fire resistance ratings up to 2 hours.

STANDARD CONSTRUCTION:

Frame:	22 gauge (0.85) galvanized steel.		
Blades:	24 gauge (0.7) galvanized steel – curtain style.		
Fire Closure Device:	Fusible link.		
Fire Closure Temperature:	165°F (75°C).		
Minimum Size:	Vertical mount: 4" × 4" (102 × 102)		
Horizontal mount:	6" × 6" (152 × 152)		
Maximum Size:	Single section:	Vertical:	48" × 48" (1219 × 1219)
		Horizontal:	40" × 40" (1016 × 1016)
	Multiple Section:	Vertical:	120" × 80" (3048 × 1219) or 80" × 120" (2032 × 3048)
		Horizontal:	80" × 80" (2032 × 2032)
Stainless Steel:	Single section:		40" × 40" (1016 × 1016)
	Vertical/Horizontal mount:		80" × 40" (2032 × 1016) or 40" × 80" (1016 × 2032)

POTTORFF®

For more info, visit www.pottorff.com.