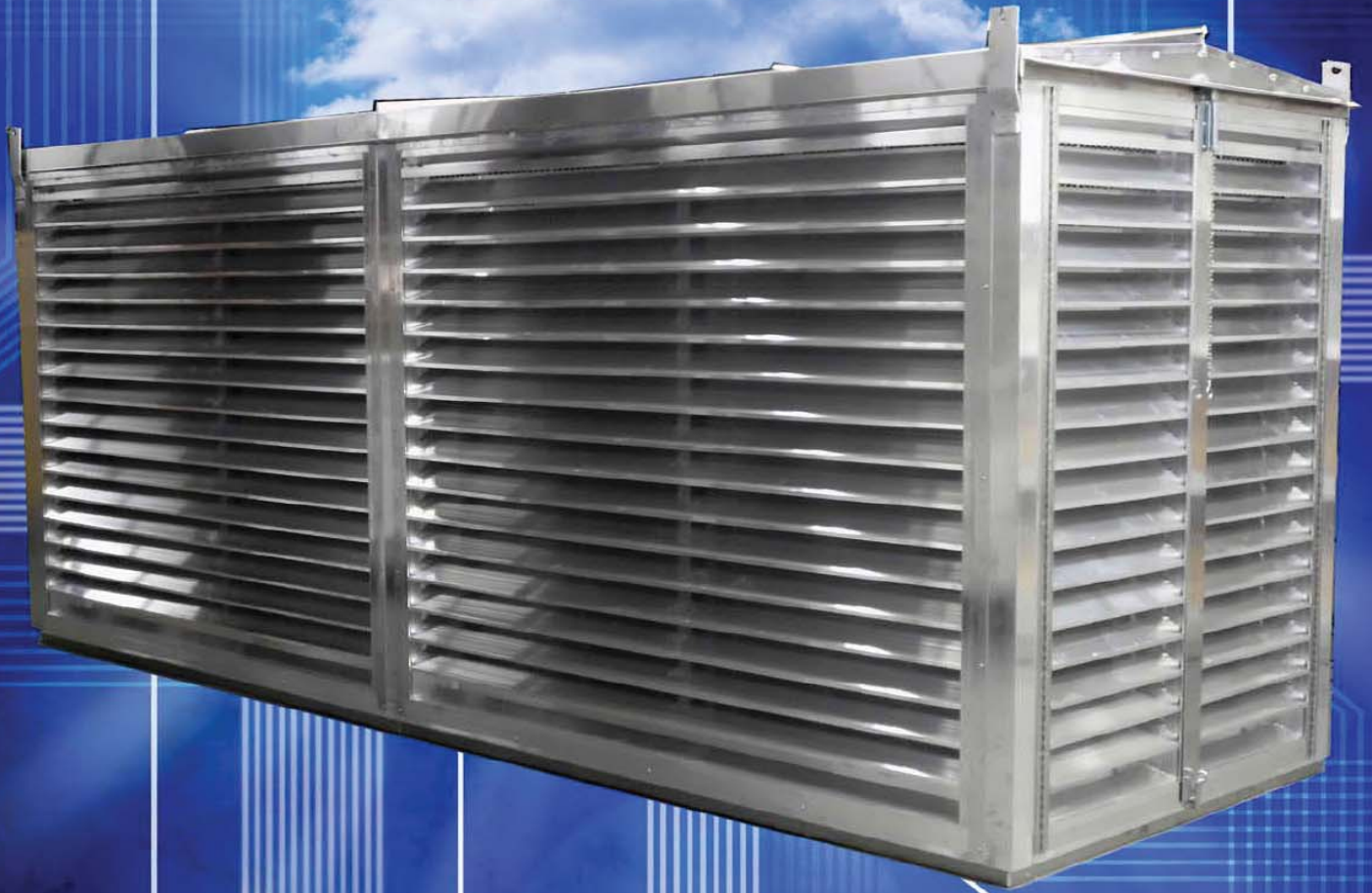


**air balance inc.**

**ADC-400**

***Data Center Penthouses  
And Louvers***



**air balance**

Dampers ▲ Louvers  
UL Life Safety Products

450 Riverside Drive · Wyalusing, PA 18504 · Phone: (570) 746-1888 · Fax: (570) 746-9286

# **ADC-400 Data Center Pent-**

## **All Aluminum Construction**

- ❖ **4" x 4" Aluminum Tubular Corners**
- ❖ **2" x 4" Aluminum Tubular Top & Bottom Framing  
Double Access Doors On Both Ends**
- ❖ **Pitched Roof w/ Formed Rafters 24" O/C**
- ❖ **Corner Lifting Lugs**
- ❖ **AMCA Certified Non-Drain Blade Louvers With  
57% Free Area**  
(AMCA Certified For Air Performance & Water Penetration)

## **Standard Options:**

- ❖ **AMCA Certified Drain Blade Louvers with  
57% Free Area**  
(AMCA Certified For Air Performance & Water Penetration)
- ❖ **Factory Installed AMCA Certified, Ultra Low Leak  
Air Foil Dampers In The Throat Of The Penthouse**  
(AMCA Certified For Air Leakage & Performance)
- ❖ **Factory Installed 1" or 2" Filter Racks**



Lifting Lugs on  
all 4 corners

Sloped Roof w/ Standing Seam

Formed Roof  
Rafter 24" o/c

Optional Factory  
Installed Filter  
Racks 1" or 2"

Optional Factory Installed  
Low Leak Air Foil Dampers

Double Access Doors  
on both ends

Dampers And Actuators,  
accessible from both ends





*Double access doors on both ends for the Penthouse allowing access to the damper actuators and filter for replacements without entering the Penthouse*



*The ADC-400 Penthouse can be hoisted as one complete assembly and set directly onto the roof curb, reducing labor cost and installation time*

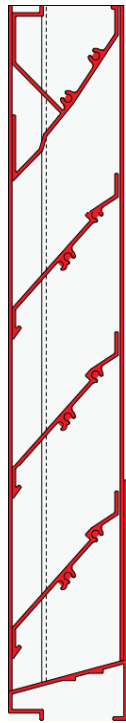




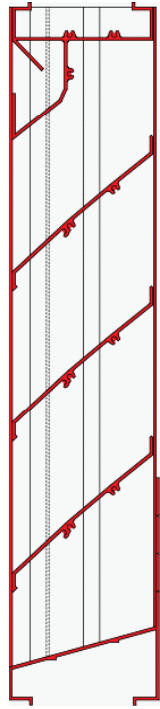
*Air Balance has also supplied custom intake (fixed blade) louvers designed for a number of Data Center projects. Designed for functionally and architecturally so they blend in with the design of the building envelope.*



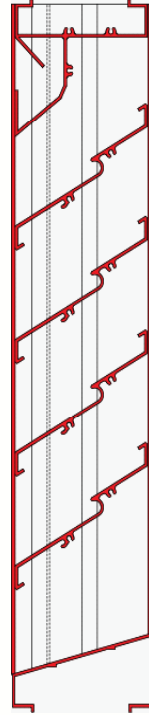
*Extruded aluminum exhaust Louvers are custom designed for many Data Center projects*



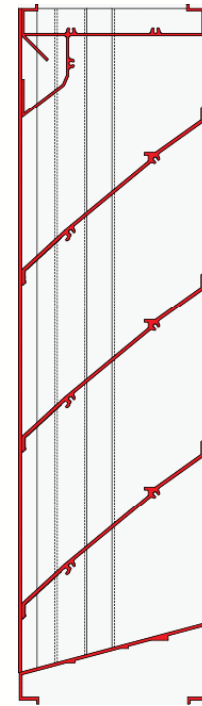
A245 (2")



A445 (4")

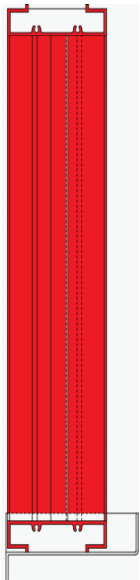
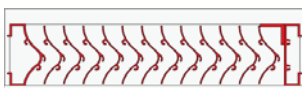


A465 (4")

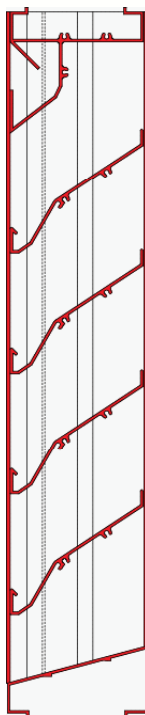


A655 (6")

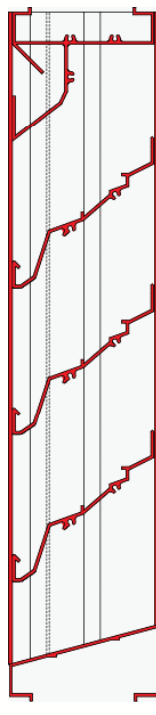
The above Non-Drain Blade profiles are available in 2", 4" and 6" depth for stand alone Intake/Exhaust louvers or in an assembly for Data Center Penthouses



A620 (3")  
Vertical Chevron  
Storm Blade



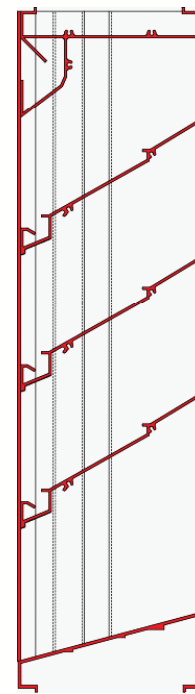
A435 (4")  
Single Drain



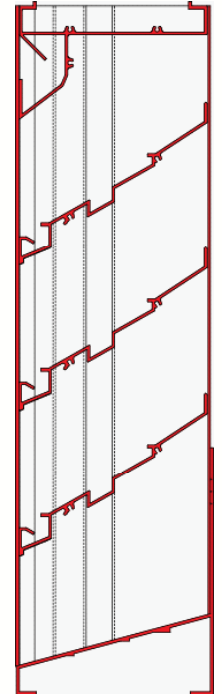
A424 (4")  
Double Drain



A320 (6")  
Single Drain  
Storm Louver



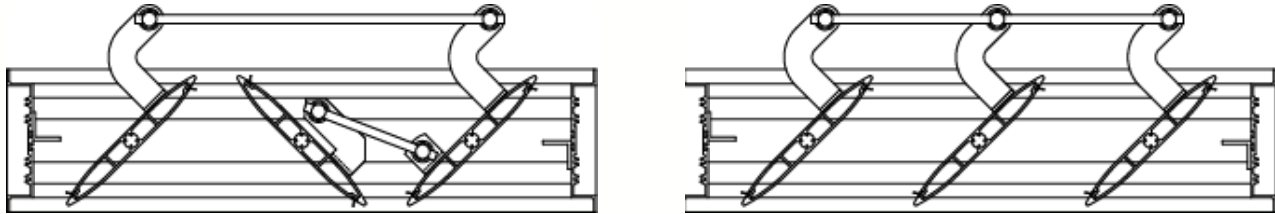
A635 (6")  
Single Drain



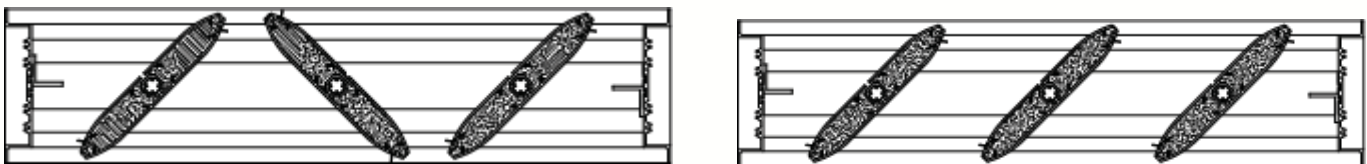
A655 (6")  
Double Drain

The above profile drawings are Drain Louvers and are also available in 3", 4" and 6" deep w/ single or double drain blades. They can be used as stand alone Intake/Exhaust Louvers or as an assembly for the Data Center Penthouses

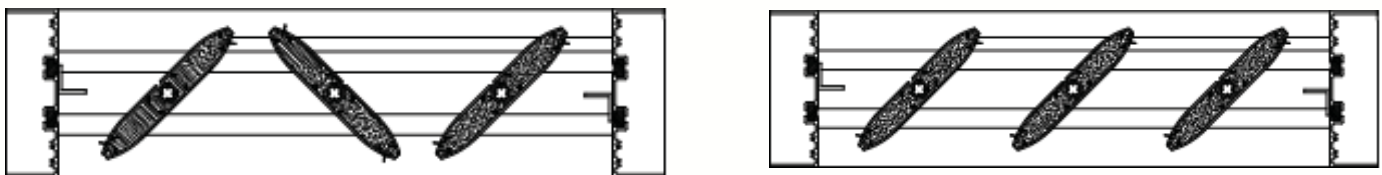
Optional Air Foil Dampers that can be factory installed in the throat of the ADC-400 Penthouse or as a standard Air Control Damper. It is available in parallel or opposed blade action and can be mounted both in the vertical or horizontal position.



ABI #AC-525 Ultra Low Leak Non-Insulated Air Foil Damper with silicone rubber blade seals and stainless steel jamb seals.



ABI #TB-58 Low Leak Air Foil Damper is manufactured with a Thermally Insulated damper blade. Each blade is injected with a two part polyurethane foam. The blade surfaces are thermally broken to help prevent the migration of cold from the outer surface to the inner surface. Blade seals are silicone rubber and the jamb seals are polycarbonate.



The model TB-59 not only offers the thermally broken insulated blade of the TB-58, but also has the damper head, jambs and sill thermally broken in two locations preventing the migration of cold through the damper frame.

Air Balance has designed and manufactured both supply and exhaust equipment on data centers for many of the networking moguls



air balance

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