

Arrow United

DC-400

Data Center Penthouses And Louvers



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

DC-400 Data Center Penthouse

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



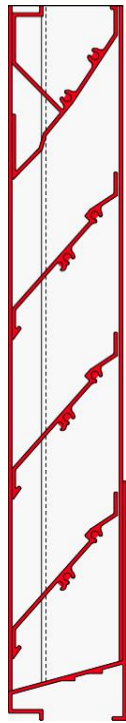
The DC-400 Penthouse can be hoisted as one complete assembly and set directly onto the roof curb, reducing labor cost and installation time



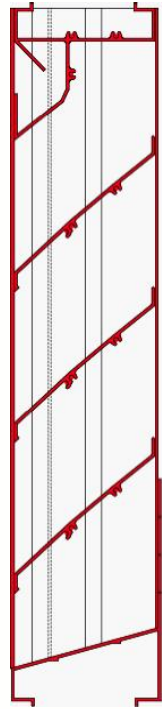
Arrow United has also supplied custom intake (fixed blade) louvers designed for a number of Data Center projects. Designed for functionally and architecturally so they blend in with the design of the building envelope.



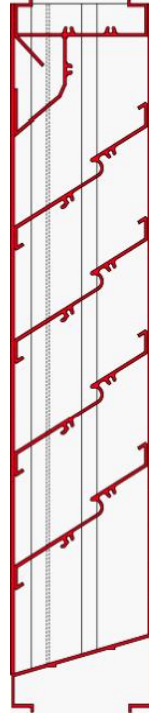
Extruded aluminum exhaust Louvers are custom designed for many Data Center projects



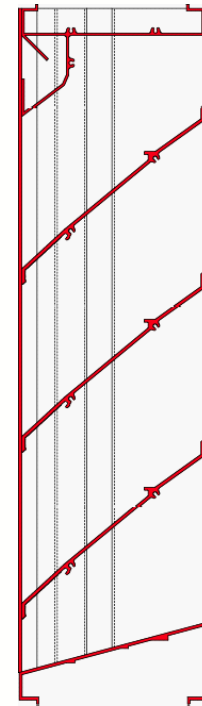
EA-200 (2'')



EA-410



EA-430 (4'')

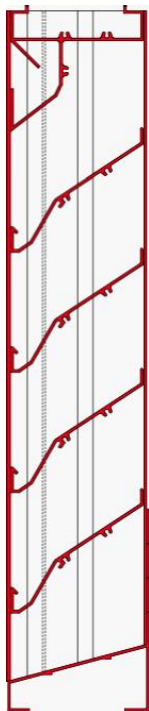


EA-605(6'')

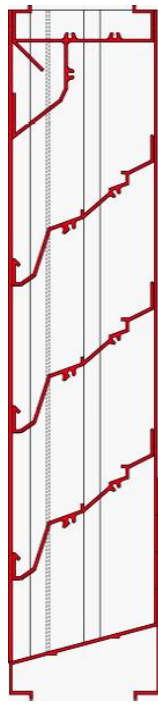
The above Non-Drain Blade profiles are available in 2'', 4'' and 6'' depth for stand alone Intake/Exhaust louvers or in an assembly for Data Center Penthouses



EA-331 (3'')
Vertical Chevron
Storm Blade



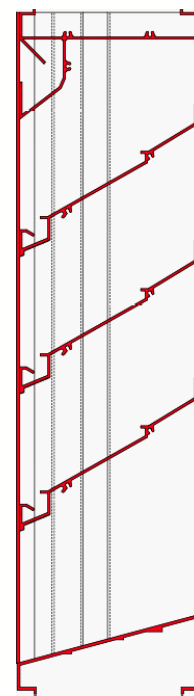
EA-415-D
(4'') Single
Drain



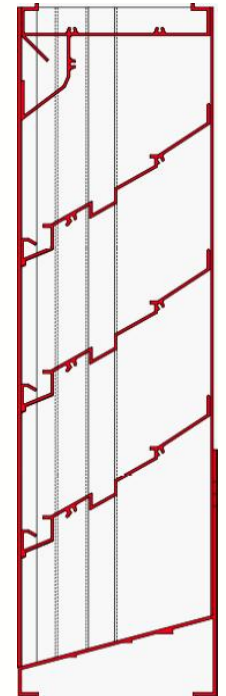
EA-425-DD
(4'') Double
Drain



EA-64 (6'')
Single Drain
Storm Louver



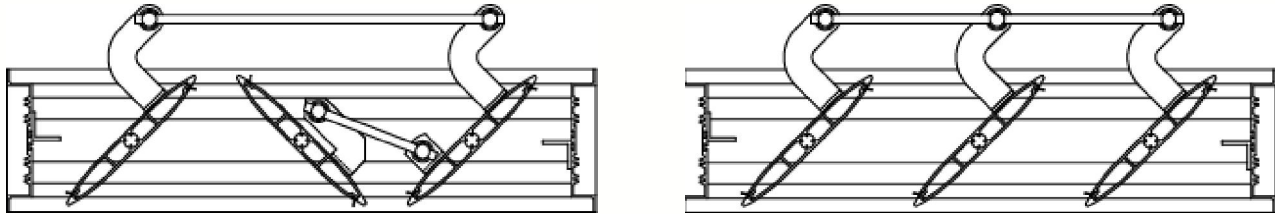
EA-615 (6'')
Single Drain



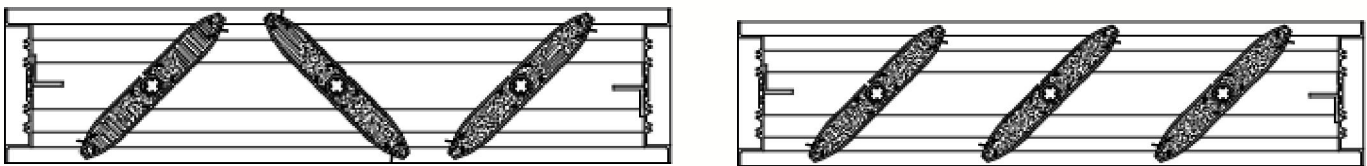
EA-625-DD
(6'') Double
Drain

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

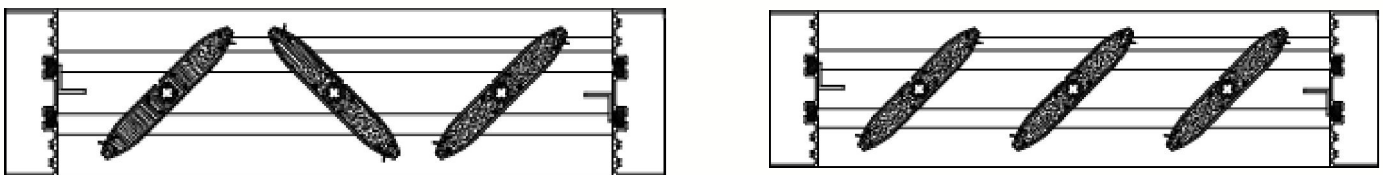
Optional Air Foil Dampers that can be factory installed in the throat of the DC-400 Penthouse or as a standard Air Control Damper. It is available in parallel or opposed blade action and can be mounted both in the vertical or horizontal position.



Arrow's AFD-20 Ultra Low Leak Non-Insulated Air Foil Damper with silicone rubber blade seals and stainless steel jamb seals.



Arrow's AFDTI-25 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 AFDTI-25LT not only offers the thermally broken insulated blade of the AFDTI-25, but also has the damper head, jambs and sill thermally broken in two locations preventing the migration of cold through the damper frame.

Arrow United has designed and manufactured both supply and exhaust equipment on data centers for many of today's networking moguls.



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