

# Extruded Aluminum DE635

## SHOP DRAWING REVIEW

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR CORRECTNESS OF DIMENSIONS OR DETAILS.

	NO COMMENT
<input checked="" type="checkbox"/>	SEE COMMENTS
	AMEND & RESUBMIT
	REJECTED

Submission No. 1  
Project No. 078107  
By JCY  
Date 7-5-10

**PRICE®**

E.H. Price Limited certifies that the DE635 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Seal applies to air performance ratings and water penetration ratings.



## Product Information

**DILLON CONSULTING LIMITED**

### Models

#### Blade Louvers 35° Blade

**DE635**

**Price DE635** stationary drainable louvers feature alloy 6063-T5 extruded 6" aluminum blades positioned at a 35° angle. The drainable louvers achieve optimum air performance and water penetration ratings with vertical and horizontal gutter systems that capture droplets before they cascade from blade to blade and are entrained in the airstream. This louver is available with visible mullions that are joined with an extruded aluminum "I" connection, or continuous horizontal blades that utilize concealed blade braces and hidden vertical supports in place of jamb frames to present uninterrupted horizontal blade appearance.

Performances of louvers manufactured by Price are based on tests and procedures in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Rating Program.

### Features

- Drainable Blade.
- .081" Extruded Aluminum Blades and Frames.
- Nominal **55.9%** free area (based on 48" x 48").
- Integral perimeter caulking stop.
- 1/2" x 1/2" (12 x 12) 16 gauge Expanded Aluminum Bird Screen without frame
- Mill finish.

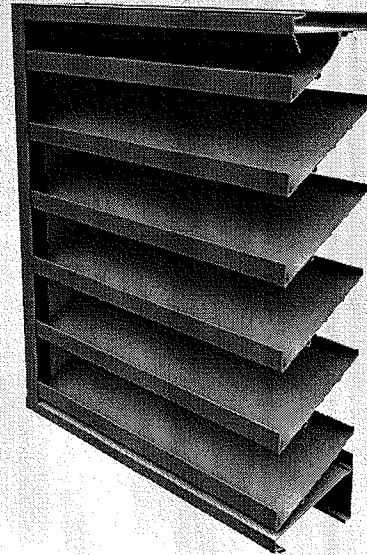
### Options

- Welded Construction.
- Extended Sill (loose) 14 GA. Aluminum.
- Continuous Blade Sections (invisible mullions).
- Blank-offs are available in Aluminum with or without Insulation. Insulation is available in 1", 1.5", 2", or 3" thickness.
- Variety of Mounting options.
- Exterior or Interior Frame Mounting.
- Variety of Bird Screens, Insect Screens and Frames available.
- Wide variety of Finishes: Baked Enamel, Prime Coat, Custom Finishes, Clear Anodized and Colour Anodized.
- Select from PRICE Colour Chart or provide colour sample to match.
- Note: Colour variations can be expected within the same order and even on the same louver due to the anodizing process.

### Blade Louvers

6" (152 mm) Deep

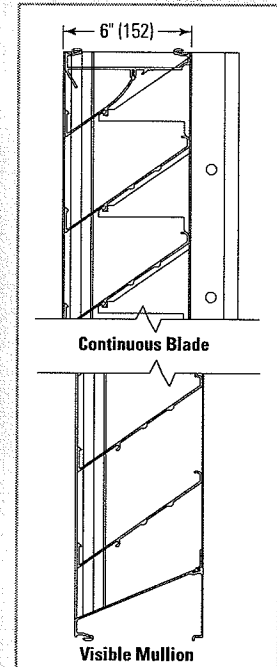
**DE635**



48" x 24"  
EL-1  
IL-1  
12" x 12"  
IL-2

Louver Type	Visible Mullion or Continuous Blade
Material	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	.081" (2 mm)
Frame	.081" (2 mm)
Louver Depth	6" (152 mm)
Blade Angle	35°
Performance Rating Standard	AMCA Standard 500
Wind Load	25 psf (100 mph)
Free Area – 4' x 4' Unit	8.95 sq.ft. (0.831 sq.m.)
Percent Free Area	55.9%
Free Area Velocity at Beginning Point of Water Penetration (1)	1,233 FPM (375 m/min)
Air Volume Delivered at Beginning Point of Water Penetration (1)	11,041 CFM (313 m³/min)
Pressure Drop at Beginning Point of Water Penetration (1)	0.23" H <sub>2</sub> O (57 Pa)

Ratings do not include the effect of a bird screen.



(1) Beginning point of water penetration is defined by AMCA standard 511 as the free area velocity at which 0.01 ounces of water per square foot of free area is measured to pass through a 4' x 4' louver during a 15 minute test.

### Product Information Index

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## Louvers

- Louvers shall receive a Class 2 (clear) anodize finish complying with AAMA 611-98. Finish is applied to chemically etched and pretreated aluminum to a minimum thickness of 0.4 - 0.7 mil.
- Louvers shall receive a Class 1 (colour) anodize finish complying with AAMA 611-98. Finish is applied to chemically etched and pretreated aluminum to a minimum thickness of 0.7 - 1.0 mil. Colour shall be Price (specify colour name).

### Options

Each louver shall be fitted with {select required mesh size: 1/2" (12.7mm), 3/4" (19.1mm) or 1" (25.4mm)} mesh x 0.063" (1.60mm) diameter aluminum bird screen in non-rewirable U-shaped frames for permanently securing screen mesh. Bird screen shall be expanded aluminum construction and suitable for {specify: interior or exterior} mounting.

Each louver shall be fitted with 18 x 16 (1.4 x 1.6mm) mesh, 0.012" (0.03mm) diameter aluminum insect screen in non-rewirable U-shaped frames for permanently securing screen mesh. Insect screen shall be suitable for {specify: interior or exterior} mounting.

Louvers shall be welded construction.

Louvers shall be supplied with a flanged frame.

Louvers shall be supplied with continuous blade section to give the appearance of invisible mullions.

Each louver shall be fitted with an (insulated or non-insulated) aluminum blank-off panel.

### DE439

#### Drainable Louver

Furnish and install PRICE Model DE439 Drainable Louver of size and shape indicated on the plans and/or as described in schedules. Louvers shall be constructed entirely of extruded aluminum, alloy 6063-T5. Blades and frames shall be minimum 0.081" (2.06mm) wall thickness. Louver assemblies shall be 4" (101.6mm) deep with 39-degree stationary drainable blades.

Louver performance shall be based on tests and procedures in accordance with AMCA publication 511 and comply with the requirements of the AMCA Certified Rating Program.

Louvers shall be designed to withstand a 25 psf (100 mph wind equivalent) wind load.

Each louver shall be fitted with 1/2" (12.7mm) mesh x 0.063" (1.60mm) diameter aluminum bird screen. Bird screen shall be expanded aluminum construction and suitable for

{specify: interior or exterior} mounting.

Louvers shall be supplied with a standard mill finish.

If an optional finish is required, please select one of the following:

- Louvers shall be factory primed and finished-after-assembly with a baked enamel resin coating in a colour selected from the colour chart. Primer and resin coating shall be oven baked at 450°F in accordance with the coating manufacturers instructions.
- Louvers shall receive a Class 2 (clear) anodize finish complying with AAMA 611-98. Finish is applied to chemically etched and pretreated aluminum to a minimum thickness of 0.4 - 0.7 mil.
- Louvers shall receive a Class 1 (colour) anodize finish complying with AAMA 611-98. Finish is applied to chemically etched and pretreated aluminum to a minimum thickness of 0.7 - 1.0 mil. Colour shall be Price (specify colour name).

### Options

Each louver shall be fitted with 18 x 16 (1.4 x 1.6mm) mesh, 0.012" (0.03mm) diameter aluminum insect screen in non-rewirable U-shaped frames for permanently securing screen mesh. Insect screen shall be suitable for {specify: interior or exterior} mounting.

Louvers shall be welded construction.

Louvers shall be supplied with a flanged frame.

Louvers shall be supplied with continuous blade section to give the appearance of invisible mullions.

Each louver shall be fitted with an (insulated or non-insulated) aluminum blank-off panel.

### DE635

#### Drainable Louver

Furnish and install PRICE Model DE635 Drainable Louver of size and shape indicated on the plans and/or as described in schedules. Louvers shall be constructed entirely of extruded aluminum, alloy 6063-T5. Blades and frames shall be minimum 0.081" (2.06mm) wall thickness. Louver assemblies shall be 6" (152.4mm) deep with 35-degree stationary drainable blades.

Louver performance shall be based on tests and procedures in accordance with AMCA publication 511 and comply with the requirements of the AMCA Certified Rating Program.

Louvers shall be designed to withstand a 25 psf (100 mph wind equivalent) wind load.

Each louver shall be fitted with 1/2" (12.7mm) mesh x 0.063" (1.60mm) diameter aluminum bird screen. Bird screen shall be expanded aluminum construction and suitable for {specify: interior or exterior} mounting.

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