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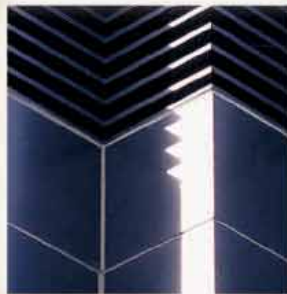
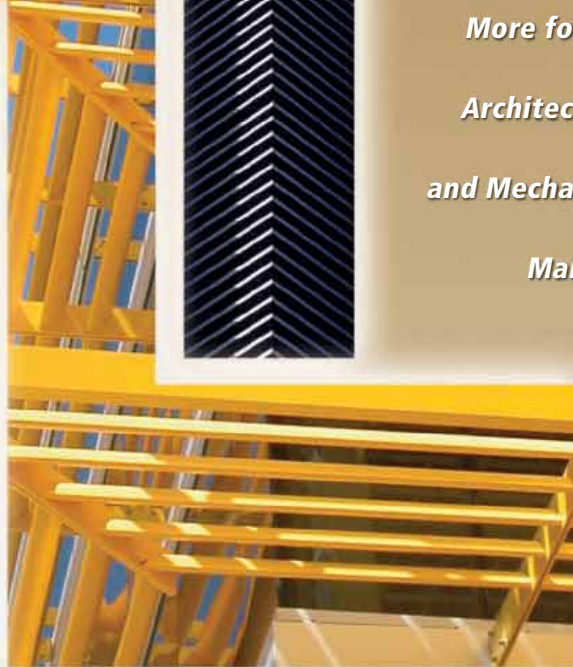
BuyLine 3014

2010



**INDUSTRIAL
LOUVERS Inc.**

*Specializing in
the fabrication
of Louvers and
a Whole Lot
More for the
Architectural
and Mechanical
Markets*



Architectural

Louvers • Sunshades • Equipment Screens • Grilles

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IndustrialLouvers.com



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See us on our website
www.industriallouvers.com

Industrial Louvers Inc. is in the business of custom fabricating architectural metal products primarily for commercial construction. We are committed to providing top quality products, including unique designs, and an exceptional level of service to our customers.

ILI Louvers

Performance

The main function of a louver is to allow the flow of air into a building while inhibiting the ingress of the elements such as rain and noise. ILI louvers are designed and fabricated with this in mind - to achieve maximum weather protection while allowing maximum air flow.

ILI is an active member of **AMCA International**, the leading authority on louver design and performance testing. Insist on **AMCA certified** louvers to ensure you are getting reliable and accurate testing methods and data on the louvers you are purchasing.

Design Requirements and Flexibility

ILI will help design and furnish a fully engineered louver system and provide signed and sealed calculations by a licensed engineer (when required) to ensure structural integrity. ILI has the flexibility to fabricate louvers all welded or mechanically fastened, with a priority of providing you with the highest quality, exacting louver design you envision.

Aesthetics

Not only do louvers provide a function, they can also create appealing accent bands or a unique appearance to a building facade. ILI can provide you with most of our louver models in virtually any shape, color and size imaginable. Louvers can be provided in a continuous line appearance or with mullions, vertically or horizontally. Louver units can be vertical blade or inverted blade style to provide the look you are after.



*San Jose City Hall
 San Jose, CA*

Storm Performance Louvers

Designed to Prevent the Penetration of Wind-Driven Rain

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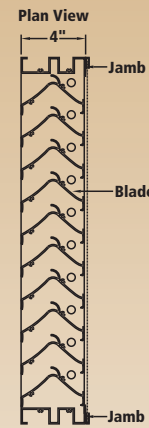
**INDUSTRIAL
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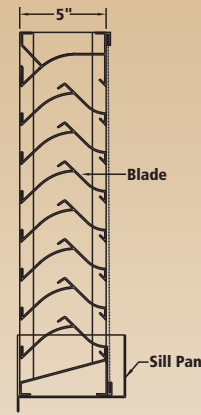
SP-437V



SP-537



SP-437V



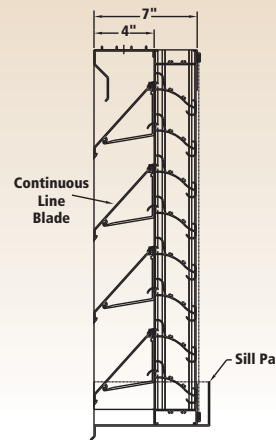
SP-537



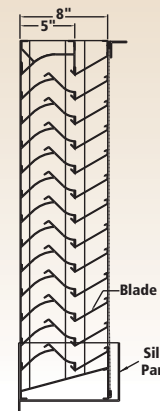
SP-737



SP-837



SP-737



SP-837

MODEL	BLADE STYLE	FRAME/BLADE THICKNESS	DEPTH	FREE AREA (4' X 4' LOUVER)	EFFECTIVENESS RATINGS @ VARIOUS FREE AREA VELOCITIES*									
					Intake Free Area Velocity FPM (m/MIN)									
					0	150	300	450	600	750	900	1050	1200	
					0	(45)	(91)	(137)	(182)	(228)	(274)	(300)	(365)	
SP-437V	Vertical	.081	4"	45%	Class A (478 FPM)					Class B (579 FPM)				
SP-537	Double Slope Drainable	Frame: .081 Blade: .063	5"	50%	Class A (854 FPM)							Class B (1039 FPM)		
SP-737	Continuous Line	Frame: .081 Blade: .063 & .081	7"	48.5%	Class A (575 FPM)					Class B (729 FPM)				
SP-837	Triple Slope Drainable	.081	8"	50%	Class A (1184 FPM)									

*Louvers have been tested under the following simulated conditions:
Wind velocity - 29.1 mph;
Rainfall rate - 3 inches/hr



AMCA Effectiveness Ratings:
A = 100 - 99%
B = 98.9 - 95%
C = 94.9 - 80%
D = 79.9 - 0%

Industrial Louvers, Inc., certifies that the Models SP-437V, SP-537, SP-737 and SP837 shown hereon are 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 test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and wind driven rain performance ratings.

Storm Performance Louvers

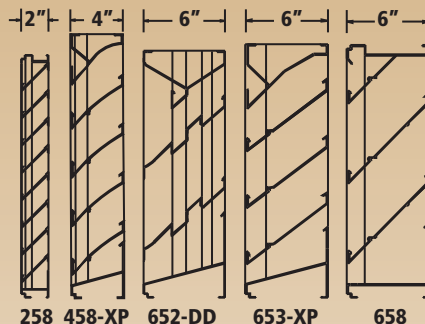
Extruded Aluminum Louvers



Drainable Blades (XP)

Drainable blade louvers allow very low water penetration with extremely high free area. Each frame design includes a jamb gutter, a recessed drip lip at the head and an extended water stop on the back of the sill. These features and the unique blade design make these louvers some of the top performers in the industry.

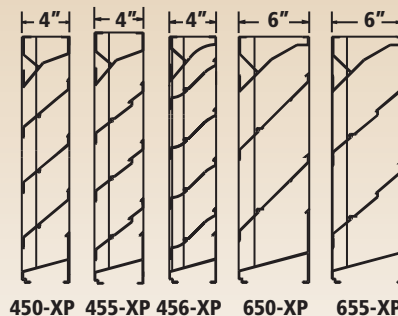
While visible mullions are standard, invisible mullions (continuous blades) can also be provided in these designs. These models are available in round, triangular and other custom shapes.



Non-Drainable Blades (XP)

The Extra Performance (XP) series is designed to provide high free area and excellent weather protection. These louvers have a uniquely designed frame header and blade that channels water to the jamb gutters and effectively drains to the exterior.

The XP series can be furnished with visible mullions or a continuous blade design. They are also available in custom shapes.

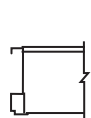


Industrial Louvers, Inc., certifies that the Models 258, 458-XP, 652-DD, 653-XP, 658, 450-XP, 455-XP, 456-XP, 650-XP and 655-XP shown hereon are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.

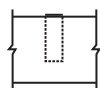
MODEL	FRAME & BLADE THICKNESS	BLADE ANGLE	STYLE	FREE AREA 4'X4' LOUVER	WATER PENETRATION @.01 OZ.	STATIC PRESSURE DROP W.G."
DRAINABLE BLADES						
258	.063"	45°	Thin Line Drainable Blade	9.04 sq.ft. (56%)	622 FPM	.15" @ 970 FPM
458-XP*	.081"	40/45°	Extra Performance Drainable Blade	8.91 sq.ft. (55%)	1,046 FPM	.15" @ 914 FPM
652-DD	.081"	42/45°	Dual Drainable Blade	8.31 sq.ft. (52%)	856 FPM	.15" @ 1080 FPM
653-XP*	.081"	37.5°	Extra Performance Drainable Blade	8.77 sq. ft. (55%)	above 1,250 FPM	.15" @ 1000 FPM
658*	.081"	45°	Drainable Blade	8.26 sq. ft. (52%)	1,134 FPM	.15" @ 955 FPM
EXTRA PERFORMANCE						
450-XP*	.081"	40°	Extra Performance Weather-Resistant	8.15 sq.ft. (51%)	818 FPM	.15" @ 880 FPM
455-XP*	.081"	37.5°	Extra Performance Storm-Resistant	8.12 sq.ft. (51%)	678 FPM	.15" @ 910 FPM
456-XP*	.081"	30/45°	Extra Performance Storm/Weather-Resistant	8.73 sq. ft. (55%)	Pending	Pending
650-XP*	.081"	45°	Extra Performance Weather-Resistant	8.15 sq.ft. (51%)	1,076 FPM	.15" @ 890 FPM
655-XP*	.081"	40°	Extra Performance Storm-Resistant	8.07 sq.ft. (50%)	1,082 FPM	.15" @ 885 FPM

*Also available in heavy duty .125" frame and blade.

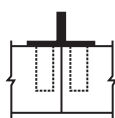
Accessories For Extruded Aluminum Louvers



Typical Jamb



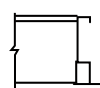
Blade Stiffener



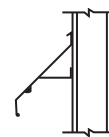
Invisible Vertical Mullion



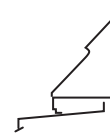
Visible Vertical Mullion



Alternate Flange Frame



Support Brace



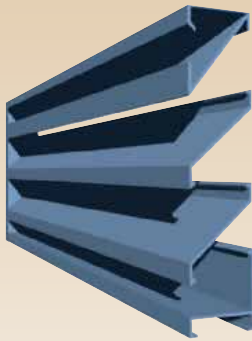
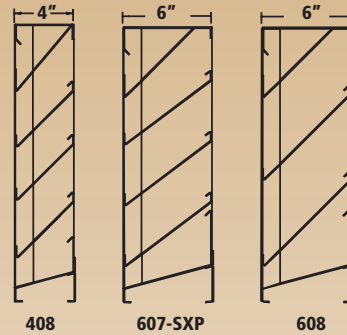
Loose Sill

Formed Metal Louvers



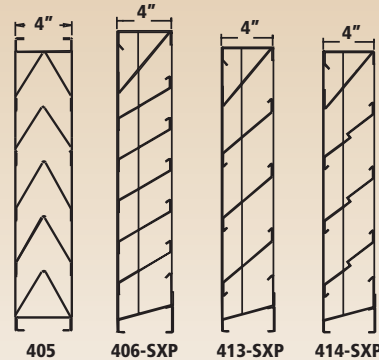
Drainable Blades

ILI offers galvanized steel louvers with low water penetration and high free area in these models. Standard fabrication is in galvanized steel. Frames and blades can be 16-gauge, 18-gauge or 20-gauge material.



Non-Drainable Blades

Weather-resistant and storm-resistant formed metal louvers are available in various metals, gauges and depths. Metals available include galvanized steel and stainless steel. Although different gauges can be specified, we recommend that frames and blades be 16-gauge, 18-gauge or 20-gauge material. Most of the designs are available in depths of 2" to 12" .



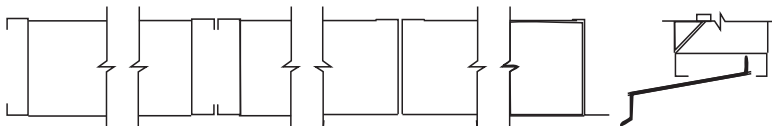
Industrial Louvers, Inc., certifies that the Models 408, and 414-SXP shown hereon are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.

MODEL	FRAME & BLADE THICKNESS	ANGLE	STYLE	FREE AREA 4'X4' LOUVER	WATER PENETRATION @.01 OZ.	STATIC PRESSURE DROP W.G."
NON-DRAINABLE BLADES						
405	16 ga.	60°	Sightproof	4.85 sq. ft. (30%)	N/A	N/A
406-SXP	16 ga.	30°	Extra Performance Weather-Resistant	7.60 sq. ft. (49%)	N/A	N/A
413-SXP*	18 ga.	40°	Extra Performance Weather-Resistant	8.45 sq. ft. (53%)	798 FPM	.15" @ 850 FPM
414-SXP*	18 ga.	37°	Extra Performance Storm-Resistant	7.89 sq. ft. (49%)	802 FPM	.15" @ 900 FPM
DRAINABLE BLADES						
408*	20 ga. Blade 16 ga. Frame	45°	Drainable Blade	8.37 sq. ft. (52%)	909 FPM	.15" @ 968 FPM
607-SXP*	20 ga. Blade 18 ga. Frame	37°	Extra Performance Drainable Blade	8.77 sq. ft. (55%)	N/A	N/A
608*	20 ga. Blade 16 ga. Frame	45°	Drainable Blade	8.41 sq. ft. (53%)	931 FPM	.15" @ 1000 FPM

*Also available in 16-gauge galvanized steel.

Victoria Fire Station,
Victoria, MN

Accessories For Formed Metal Louvers



Typical Jamb

Visible Vertical Mullion

Invisible Vertical Mullion

Alternate Flange Frame

Loose Sill

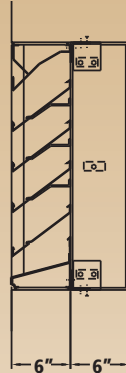


Formed Metal Louvers

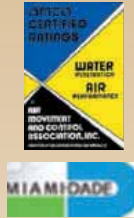
Hurricane Louvers



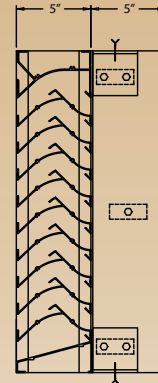
653-XPDC



NOA #06-0531.03



SP-537-DC



NOA # 08-0513.08

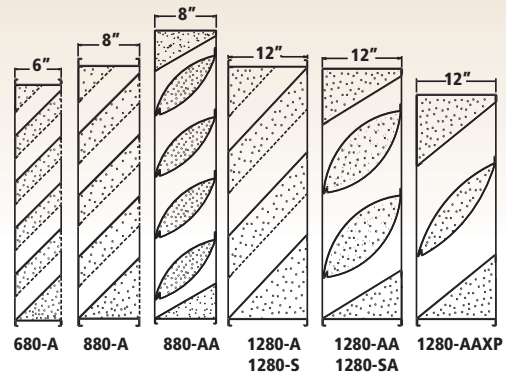


MODEL	OVERALL DEPTH	BLADE STYLE	MAXIMUM WITHSTAND	DADE COUNTY PROTOCOL	FREE AREA
653-XPDC	12"	Drainable	150psf	PA-201, PA-202, PA-203	55%
SP-537-DC	10"	Sightproof	120psf	PA-201, PA-202, PA-203	50%

Acoustical Louvers



- Acoustical louvers are multi-purpose louvers that can be used to permit the flow of air while providing excellent sound attenuation and protect the environment from noise pollution.
- Acoustical louvers are available with standard blades and attractive airfoil designs in 6-inch, 8-inch or 12-inch depths.



Industrial Louvers, Inc., certifies that Model 1280A shown hereon 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 test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.

MODEL	FREQUENCY (HZ)												BLADE THICKNESS	FRAME THICKNESS	LOUVER DEPTH	FREE AREA 4"X4" LOUVER		
	125		250		500		1000		2000		4000						5000	
	TL	FNR	TL	FNR	TL	FNR	TL	FNR	TL	FNR	TL	FNR	TL	FNR				
680A	6	12	4	10	7	13	13	19	16	22	14	20	13	19	Blade .080" & Perf .032"	.080"	6"	4.7 sq. ft. (29%)
880A*	6	12	5	11	9	15	13	19	17	23	12	18	11	17	Blade .080" & Perf .032"	.080"	8"	4.52 sq. ft. (28%)
880AA	4	10	4	10	6	12	12	18	11	17	10	16	10	16	Blade .080" & Perf .032"	.080"	8"	5.28 sq. ft. (33%)
1280A*	9	15	8	14	11	17	17	23	16	22	14	20	13	19	Blade .080" & Perf .032"	.080"	12"	4.00 sq. ft. (25%)
1280AA*	8	14	7	13	12	18	15	21	13	19	12	18	12	18	Blade .060" & Perf .032"	.080"	12"	4.61 sq. ft. (29%)
1280AAXP	6	12	6	12	8	14	11	17	9	15	8	14	8	14	Blade .060" & Perf .032"	.080"	12"	6.18 sq. ft. (39%)



TL=Transmission Loss

FNR=Field Noise Reduction

*Also available in steel.

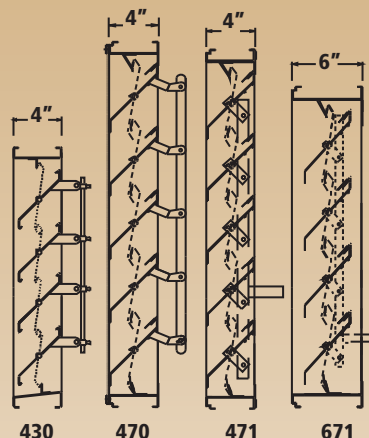
Adjustable Blade Louvers



Adjustable Blades

These adjustable designs were developed for applications which require the control of air flow. The louvers can be operated manually, electrically or pneumatically. Jamb gaskets and blade edge seals are available on most models by request.

Manual operation can be accomplished with a hand crank, a pull chain with spring and wall clip, or a push rod attached to the operator unit. A fusible link option is available. Electrical operation utilizes motors which can be adapted to individual requirements. Pneumatic operators are also available.



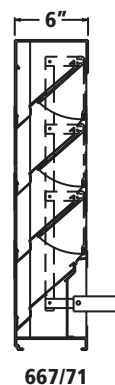
MODEL	FRAME & BLADE MATERIAL	STYLE	FREE AREA	JAMB; BLADE SEAL	BEARING TYPE	ROD DIAMETER	OPERATION TYPE
430	16 ga. Galvanized Steel	Adjustable	6.62 sq.ft. (41%)	Optional; Optional	Ball	1/2" Steel	Various Options Available
470	.081" Extruded Alum.	Adjustable Drainable Blade	6.80 sq.ft. (43%)	Optional; Yes	Ball	3/8" Alum.	Various Options Available
471	.081" Extruded Alum.	Adjustable Concealed Linkage	6.80 sq.ft. (43%)	Optional; Yes	Ball	3/8" Alum.	Various Options Available
671	.081" Extruded Alum.	Adjustable Concealed Linkage	9.81 sq.ft. (61%)	Optional; Yes	Ball	3/8" Alum.	Various Options Available
667/71	Frame .125" Adj. Blade .125" Fixed Blade .081" Extruded Alum.	Combination Drainable Adjustable Blade	7.27 sq.ft. (45%)	Yes; Yes	Nylon	1/2" Steel	Various Options Available
			<i>Water penetration @ .01 oz. is 1120 FPM. Static pressure drop W.G. is .15" @ 980 FPM.</i>				



Dual Combination Blade (Drainable)

The Model 667/71 louver combines fixed and adjustable blades in a single frame. Air flow control is provided while the exterior appearance remains similar to most fixed louver installations. It provides excellent weather protection, very low water penetration, high free area and low air leakage. Blade edge and jamb seals are standard. The louvers can be controlled manually, electrically or pneumatically.

The cost of purchasing and installing Model 667/71 louvers can be significantly less than the cost of adding an adjustable louver to the back of a fixed wall louver.



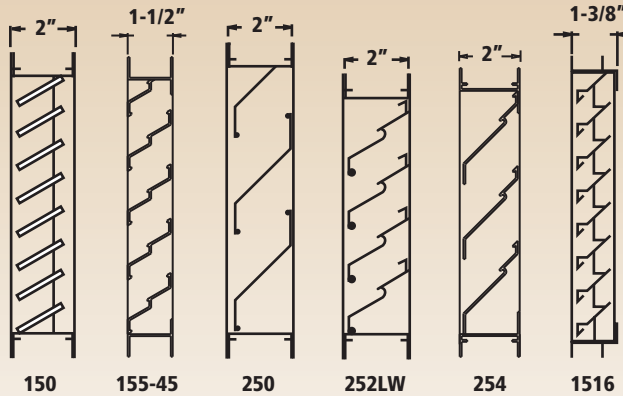
Industrial Louvers, Inc., certifies that the Model 667/71 shown hereon is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.

Thinline Louvers



Thinline Louvers

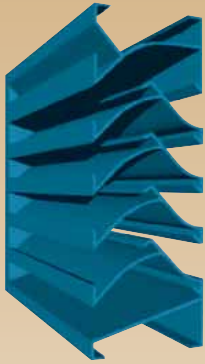
These louvers are used for thin wall and curtain wall requirements where louvers of standard depth cannot be used. Thin line louvers also are often used as exterior grilles for air conditioning equipment. Removable, rewirable screens can be provided on the interior or the exterior.



MODEL	STYLE	BLADE THICKNESS	FRAME THICKNESS	LOUVER DEPTH	FREE AREA 4'x4' LOUVER
THIN LINE					
150	Grilles	.125"	.063"	2"	11.14 sq.ft. (70%)
155-45	Storm Resistant	.063"	.063"	1-1/2"	7.29 sq.ft. (46%)
250	Weather-Resistant	.063"	.063"	2"	6.28 sq.ft. (39%)
252-LW	Storm Resistant	.063"	.063"	2"	6.30 sq.ft. (39%)
254	Storm Resistant	.063"	.063"	2"	7.03 sq.ft. (44%)
1516	Grilles	.063"	.063"	1-3/8"	9.67 sq.ft. (60%)

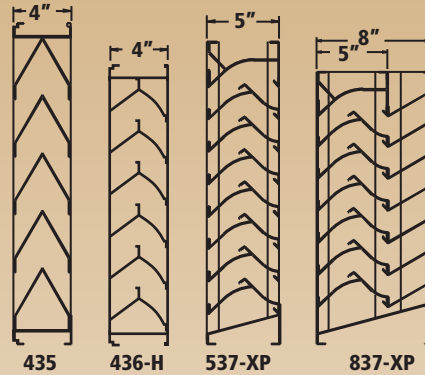
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University of Minnesota
Minneapolis, MN*

Sightproof Louvers



Sightproof Blades

Sightproof models can be provided with either visible or invisible mullions. Both channel and alternate flange frames are available. Blades and frames are extruded aluminum. Sightproof blades can be used in both horizontal and vertical applications. They are very effective where security is a primary concern.



MODEL	STYLE	BLADE THICKNESS	FRAME THICKNESS	LOUVER DEPTH	FREE AREA 4' x 4' LOUVER
SIGHTPROOF BLADES					
435	Sightproof	.081"	.081"	4"	4.79 sq. ft. (30%)
436-H	Sightproof	.081"	.081"	4"	6.70 sq. ft. (42%)
537-XP	Extra Performance Sightproof	.063"	.081"	5"	9.20 sq. ft. (58%)
Water penetration @ .01 oz. is 974 FPM. Static pressure drop W.G." is .15" @ 680 FPM.					
837-XP	Extra Performance Sightproof	.081"	.081"	8"	8.30 sq. ft. (52%)



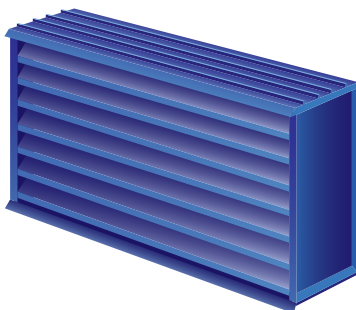
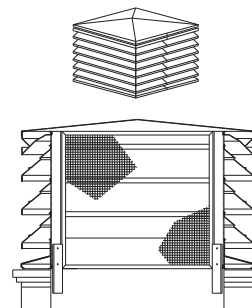
Industrial Louvers, Inc., certifies that the Model 537-XP shown hereon is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The test size is 48" x 48" and the duration of the test is 15 minutes. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings.

Louvered Penthouses & Brick/Block Vents



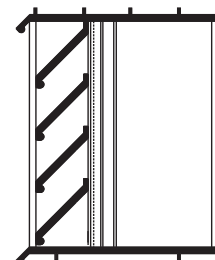
Louvered Penthouses

Louvered penthouses are ruggedly constructed units that allow for the most efficient movement of air over rooftop openings. An extra performance louver blade design is standard, but any of the drainable, stationary or adjustable louvers in this catalog can be used for a rooftop opening. Standard construction consists of continuous louver blades on all four sides, with mitered and welded corners. Mullions and box corners are also available. The roof is mechanically attached for easy access to the interior. Roof insulation and sound-absorbing material can be incorporated into the design.



Extruded Aluminum Brick or Block Vents

Our highly economical brick or block vents are available in many sizes. The vents are used in a variety of foundation, boiler and incinerator room, crawl space and air conditioning intake applications. Vents can be provided with or without dampers or connecting ducts.



**INDUSTRIAL
LOUVERS Inc.**

Sightproof Louvers — Penthouses & Brick/Block Vents

Louver Accessories



Pepsi Center, Denver, CO

Insect and Bird Screens

ILI offers a complete line of screens for all extruded aluminum and formed metal louvers. Please consult your ILI representative or the factory for availability of various screen types and gauges.

Hinged Door Units

ILI can hinge virtually any of our standard louver models and provide the necessary hardware to incorporate hinged door units into any louver application.

Blank-Offs

ILI offers many choices of blank-off, depending upon the requirements. The most common is the .032" aluminum sheet finished on one side in either baked enamel or Kynar. Other aluminum sheets are available in the following thicknesses: .040", .050", .080" and .125".

When an insulated blank-off is required, we suggest a 1" material in a core that meets insulation and/or code requirements. The core should be faced on one or both sides with a .032" aluminum sheet that is finished as noted above. If a perimeter cap is needed, it should be .063" extruded aluminum.

Design Features

Custom Shapes

All stationary louvers can be furnished in circular, semi-circular, triangular, among other geometric shapes. For more information on custom requirements, contact our office for design support.

Mechanically Assembled Construction

For years, ILI has provided a fully welded constructed louver assembly. The strength of a weld, which penetrates and fuses the base metals with the fillet weld, has a proven track record of providing the durability and strength to resist vibration and other related stresses caused by dynamic loading.

Mechanically fastened assembly has also been a long accepted standard louver assembly practice. With the proper tooling and assembly techniques, a threaded fastener attachment has proven to withstand the long-term effects of positive and negative loads. ILI has broadened our design capabilities to include louver models that are now available with mechanical fastening assembly.

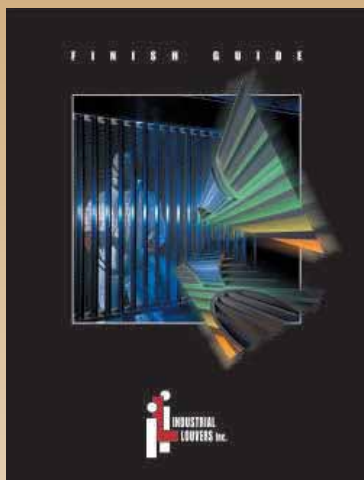


FOR COMPLETE INFORMATION VISIT OUR WEBSITE

IndustrialLouvers.com



INDUSTRIAL
LOUVERS Inc.



About Finishing at Industrial Louvers...

Our in-house painting facility, Industrial Finishing, Inc., is solely dedicated to serving Industrial Louvers finishing needs. This arrangement allows for less material handling, thus minimizing the chance for damaging product during the finishing process. ILL offers a wide variety of standard, exotic and custom mixed colors for you to choose from. **For further information on ILL's finishing capabilities, call (763) 972-2981 and ask for the "Finish Guide."**

Finishes

Kynar® 500 and Hylar® 5000 Coatings

The most frequently specified coatings at Industrial Louvers, durable Kynar-based coatings are the perfect choice for creating a high-quality image in the finished structure. Kynar coatings are highly resistant to chalking, abrasion and ultraviolet deterioration. Flexible, color-fast, Kynar coatings retain that "just-completed" look for years.

If conditions or color choices require even more durable coatings, Kynar XL or a barrier coat can be used.

ILL offers Kynar in all three resin types. 70% PVDF meets or exceeds AAMA 2605 performance requirements. For use on architectural applications when the highest performance finish is desired. 70% typically carries a 20 year finish warranty. 50% PVDF meets or exceeds AAMA 2604 performance requirements. This is an appropriate product for today's type of construction. Its additional durability and hardness makes it well suited for high traffic areas such as schools, hospitals. 50% carries a five year finish warranty 30% PVDF meets AAMA 2603 and carries a one

year warranty. Through a unique combination of acrylic and fluoropolymer resins, this product provides excellent flexibility and mar resistance in a solvent borne baked enamel system.

Industrial Louvers, Inc., is an approved applicator of Kynar® 500 and Hylar® 5000 coatings.

Anodic Finishes

204: When maximum protection is not required, No. 204 provides an excellent, clear, anodized finish. The anodizing time is 30 minutes, and the minimum coating is 0.4 mil.

215: This clear, anodized finish is recommended for use where maximum protection from corrosive and abrasive atmospheric conditions is required. Anodizing time is 60 minutes, and the minimum coating is 0.7 mil.

Color: When maximum protection is required and a large color selection is not, this hard-coat finish is the best of the anodic finishes. The color selection includes several shades of gold, bronze and black. The minimum coating is 0.7 mil.



Look to ILI for Column Covers, Beam Wraps, Decorative Grilles, Equipment Screens, and Sun Control Devices.



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Louvers, Sun Screens, Decorative Grilles, Column Covers/ Beam Wraps and Finishes information is available on our website at: www.industriallouvers.com, as well as:



The Blue Book



Technical Manual



Sweets Directory



511 South 7th Street • Delano, MN 55328
(763) 972-2981 • Fax (763) 972-2911

800-328-3421

www.industriallouvers.com

E-mail: ilinfo@industriallouvers.com

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Other Products From Industrial Louvers