

Louvers and Vision Barriers
CS MIDDLE EAST LOCAL MANUFACTURING



CONSTRUCTION SPECIALTIES

About Us

Established in 1948, Construction Specialties is a family-owned business with 23 offices worldwide and has key manufacturing locations or sales offices across the globe.

Wherever you are, CS can provide customers with fast local support from trained and experienced professionals.

As a manufacturer and supplier of specialized architectural products, CS has become a global leader in the majority of our product categories, which have been successfully installed in some of the world's most prestigious buildings around the world.



GLOBAL PRESENCE

One of the first products CS developed was its extruded aluminum louver in 1955. Since then, we have been involved with thousands of successful projects around the world.



INNOVATION

Moving from strength to strength, CS is one of a handful of manufacturers that has its own in-house wind-driven rain test chamber, which was developed in 1996 and gives CS the unique ability to develop innovative louvers and conduct extensive performance testing.



KNOW HOW

From early project design and product selection to installation, CS provides customers with sound technical advice and support to ensure successful project delivery.



For more information
please visit our website
www.c-sgroup.com



Construction Specialties®

Airflow function.
Design freedom.

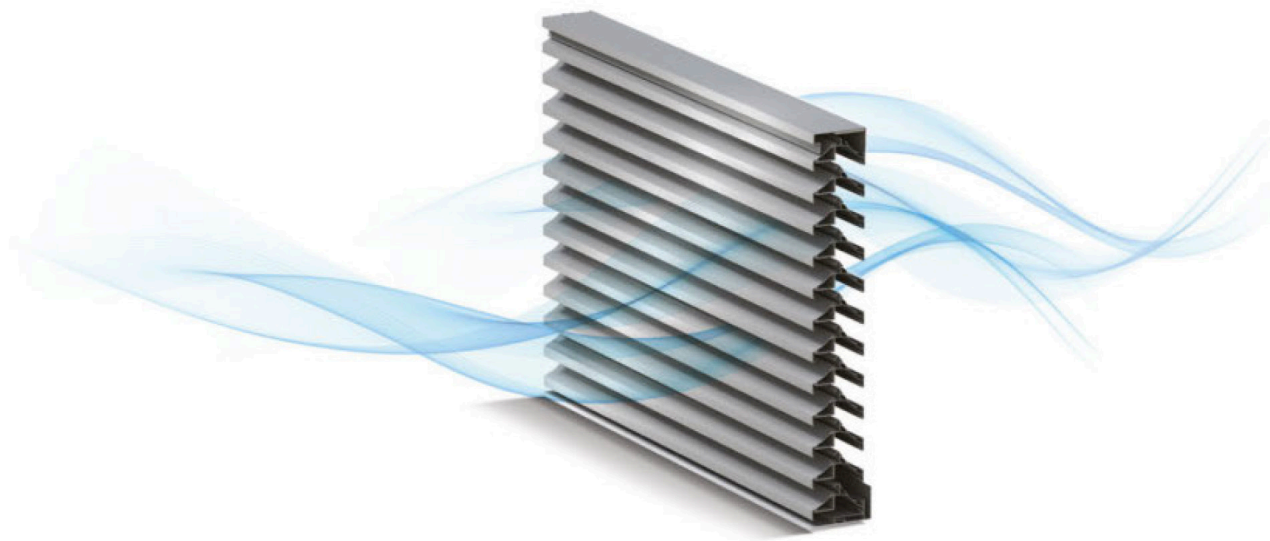
Ventilation isn't a restriction. It's an opportunity.

Louvers by Construction Specialties let architects do what they've always wanted: defy traditional airflow design conventions to achieve their true vision — without sacrificing performance.

So go ahead. Give your HVAC system protection from the elements. Conceal it while still allowing air to flow. Hide

mechanical elements in the aesthetic form of the building's own skin. Indulge your imagination and specify a louver that we don't even manufacture — yet. CS will work with you to design a custom louver solution and test it in our exclusive in-house test chamber. Do all of that — with a full palette of textures, colors and finishes at your disposal.

CS Louvers let buildings breathe easy — so architects can, too.



| Acoustical Louvers

Acting as a vision barrier, Acoustical Louvers also provide water penetration protection and contain noise attenuation properties. They are ideal in any application where ventilation and sound minimization is needed.

Features

- Mullion blade configuration
- Fire retardant fiberglass insulation
- Available accessories include bird or insect screen, sill pan, insulated or non insulated blank off panels.

Benefits

- Reduces sound levels that escape from exterior or interior mounted equipment
- Aesthetical visual barrier while maintaining airflow

Applications

- Generator rooms
- Equipment penthouses
- Noise attenuating barriers



Acoustical Louvers

Finish Options



Product Details

Model	Louver Depth	Blade Spacing	Rain Defense	Free Area		PD @ 900 fpm
				4' x 4'	8' x 8'	
A-6370	6" (152mm)	10" (254mm)	☹☹	21.6%	24.3%	0.09
A-8370	8" (203mm)	8½" (216mm)	☹☹	23.0%	28.7%	0.07
A-8890	8" (203mm)	6" (152mm)	☹☹	28.5%	33.1%	0.06
A-12350	12" (305mm)	11¾" (298mm)	☹☹	23.3%	31.1%	0.17
A-12360	12" (305mm)	15" (381mm)	☹☹	24.3%	30.4%	0.09
A-12370	12" (305mm)	12" (305mm)	☹☹	22.0%	25.5%	0.07

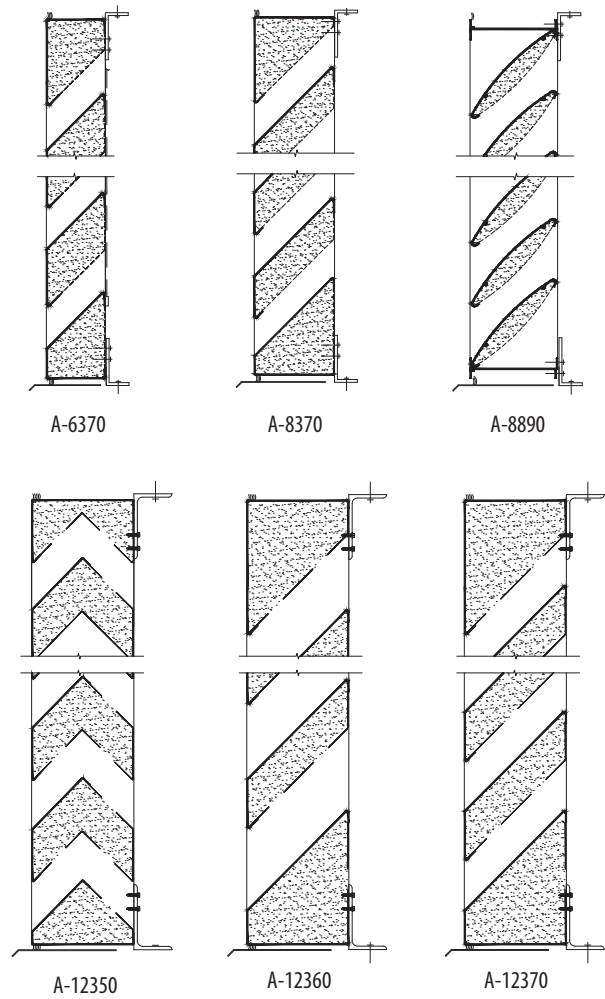
Certifications/Testing

- Tested in accordance with ASTM-E90

Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

Models



LOUVERS

| Non-Drainable Louvers

Non-Drainable louvers are specified where high free area is important, economy is a consideration, and water migration is not a concern.

Features

- Wide variety of blade and frame styles and options
- Standard or high-performance Z Blade with flat blade profile
- All non-drainable louvers have a continuous, non-mullioned version
- Available accessories include bird or insect screen, sill pan, insulated or non insulated blank off panels.

Benefits

- Economical
- High free area
- Low pressure drop

Applications

- Intake and exhaust applications
- For use in Package terminal air conditioner (PTAC) areas and chiller rooms.
- For parking garage enclosures.



LOUVERS

Non-Drainable Louvers

Finish Options



Product Details

Model	Louver Depth	Blade Spacing	Rain Defense	Free Area		PD @ 900 fpm
				4' x 4'	8' x 8'	
A4080*	4" (102mm)	4" (102mm)	☹☹	54.0%	58.5%	0.15
A4085*	4" (102mm)	4" (102mm)	☹☹	54.0%	58.5%	0.15
A4100**	4" (102mm)	6" (152mm)	☹☹	46.0%	50.8%	0.16
A4105**	4" (102mm)	6" (152mm)	☹☹	46.0%	50.8%	0.16
A6080*	6" (152mm)	6" (152mm)	☹☹	51.5%	56.9%	0.13
A6085*	6" (152mm)	6" (152mm)	☹☹	51.5%	56.9%	0.13
A6125	6" (152mm)	6 7/8" (175mm)	☹☹	48.0%	52.0%	0.15
RS1605	4" (102mm)	2 3/8" (60mm)	☹	49.0%	51.0%	0.105
RS3105†	6" (152mm)	3" (76mm)	☹	58.0%	59.0%	0.128

*AMCA certified

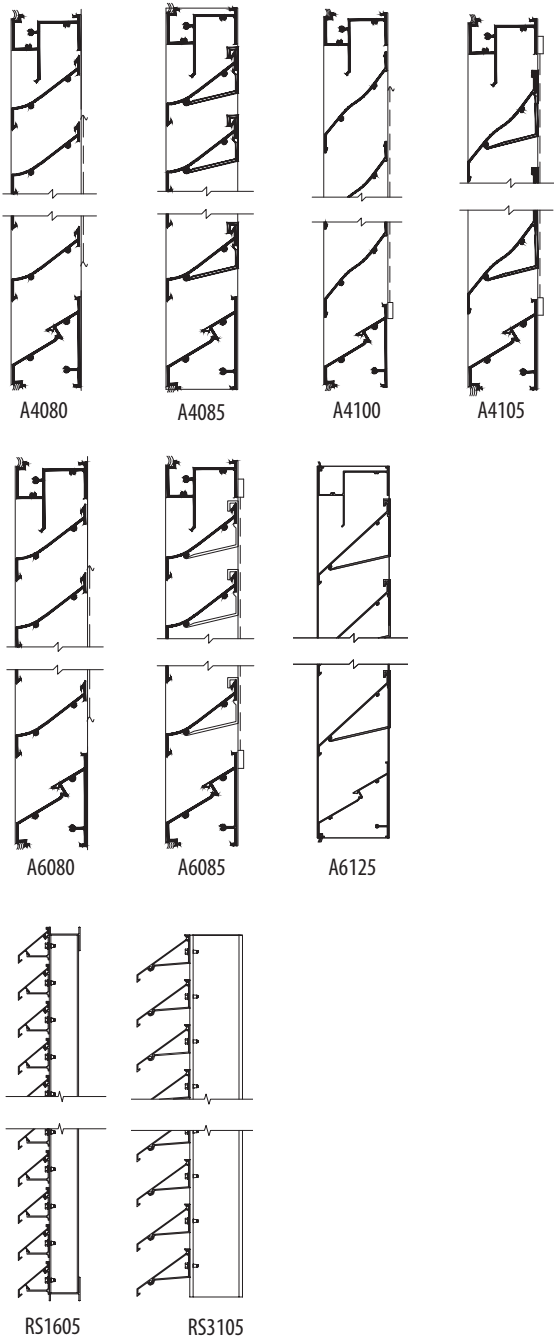
**AMCA tested

†BSRIA tested

Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

Models



| Drainable Louvers

Drainable Louvers provide drainage for rain coming in contact with the face/blade of the louver. Drainable Louvers offer high free area and high air flow with a low pressure drop where minimal water migration is acceptable. They are economical and available in a variety of blade and frame styles.

Features

- Moderate rain defense and water mitigation
- Flat blade profile
- Standard single gutter, chevron sight proof, and double gutter blade styles available
- Mullion or continuous line (no exposed mullion)
- Available accessories include bird or insect screen, sill pan, insulated or non insulated blank off panels.
- Custom shapes and configurations available

Benefits

- Drains cascading water across louver face
- Aesthetic flexibility with wide variety of blade and frame styles and options
- High free area
- Low pressure drop
- High performance while keeping the unwanted elements out.

Applications

- Buildings requiring higher air performance and minimal water ingress.
- Rain defense
- Aesthetic building envelope customization



Drainable Louvers

Finish Options



Kynar &
Powder Coat



Wood Grain
Patterns



Anodized
Finish



Custom
Color

Product details

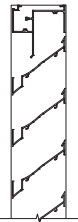
Model	Louver Depth	Blade Spacing	Rain Defense	Free Area		PD @ 900 fpm
				4' x 4'	8' x 8'	
A-4097*	4" (102mm)	4" (102mm)	☹☹	50.4%	55.8%	0.15
A-6097*	6" (152mm)	6" (152mm)	☹☹	52.1%	58.1%	0.13
A-4177*	4" (102mm)	3¼" (83mm)	☹☹	55.0%	58.2%	0.13

*AMCA certified

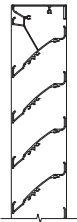
Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

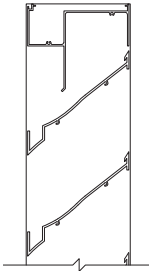
Models



A-4097



A-4177



A-6097

| Storm Resistant Louvers – Horizontal, Vertical, and Combination Series

Engineered to provide protection from rain penetration, while offering good airflow, CS Storm Resistant Louvers are available in vertical and horizontal blade configurations to integrate with your building.

They are ideal when you:

- Can't use a large plenum due to cost or space considerations
- Plan to house sensitive equipment adjacent to the louver system

Features

- AMCA tested and certified to be up to 99% effective against wind driven rain
- Chevron style blades allow for long spanning and larger sections with minimal splice joints
- Available accessories include bird or insect screen, sill pan, insulated or non-insulated blank off panels.
- Hidden mullion options available (model specific) for sleek continuous line appearance
- Modular capabilities (model specific) with faux blade for inactive areas using blank off

Benefits

- Tight blade spacing provides monolithic appearance
- Exceptional rain defense, allows for smaller plenum area behind louver
- Moderate to high free area, depending on the model selection.
- Cost effective when using faux blade in inactive areas while maintaining uniform exterior facade.

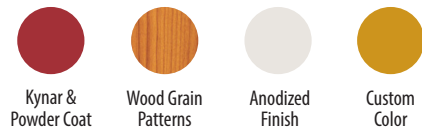
Applications

- Intake HVAC conditions
- Buildings housing critical or sensitive equipment near louver systems
- Geographical areas where wind-driven rain is common



Storm Resistant Louvers – Horizontal, Vertical, and Combination Series

Finish Options



Product Details

Model	Louver Depth	Blade Spacing		Rain Defense	Free Area		PD @ 900 fpm
					4' x 4'	8' x 8'	
RS-2605	4" (102mm)	2 3/8" (60mm)		●●●●	47.0%	48.0%	0.35
RS-3605	4" (102mm)	2 3/8" (60mm)		●●●●●●	36.0%	37.0%	0.37
RS-4300 [†]	4" (102mm)	2 1/2" (54mm) rear	N/A	●●●●●●	47.0%	50.0%	0.30
RS-5300*	5" (127mm)	2 3/4" (70mm)		●●●●●●	47.3%	51.5%	0.33
RSH-5700*	5" (127mm)	2" (51mm)		●●●●●●	45.8%	49.0%	0.13
LSM-6615 [†]	6" (152mm)	2" (51mm) rear	3" (76mm) front	●●●●●●	32.0%	34.0%	0.25
RS-7305A [†]	7" (178mm)	3" (76mm)		●●●●●●	49.0%	51.0%	0.18
RS-7315*	7" (178mm)	3 7/8" (98mm)		●●●●●●	50.5%	52.8%	0.33
RS-7705**	7" (178mm)	3 7/8" (79mm)		●●●●●●	50.0%	53.9%	0.23
RS-9615*	9" (229mm)	4" (102mm)		●●●●●●●●	59.1%	62.9%	0.28
RS-4605**	4" (102mm)	2" (51mm)		●●●●●●	53.3%	56.6%	0.25
RS-5605*	5" (152mm)	1" (25mm)		●●●●●●●●	59.1%	62.9%	0.08
RSV-5700*	5" (152mm)	2" (51mm)		●●●●●●●●	45.8%	49.0%	0.13

*AMCA certified

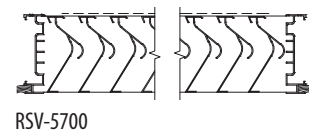
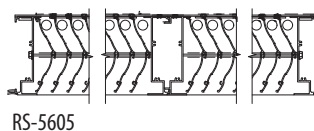
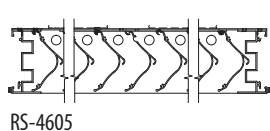
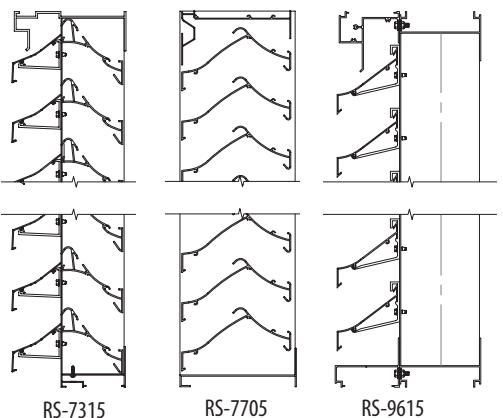
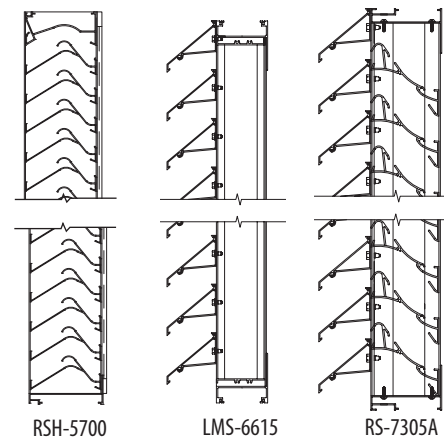
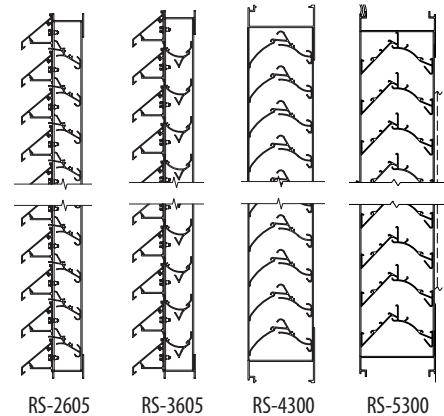
**AMCA tested

[†]BSRIA tested

Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

Models



LOUVERS

| Thinline Louvers

Use Thinline Louvers where louvers greater than 7.62cm (3") louver depth is not practical. These shallow blade louvers, which provide high free area, are ideal for thin wall and curtain wall applications where minimal depth is required and water mitigation is not a concern.

Features

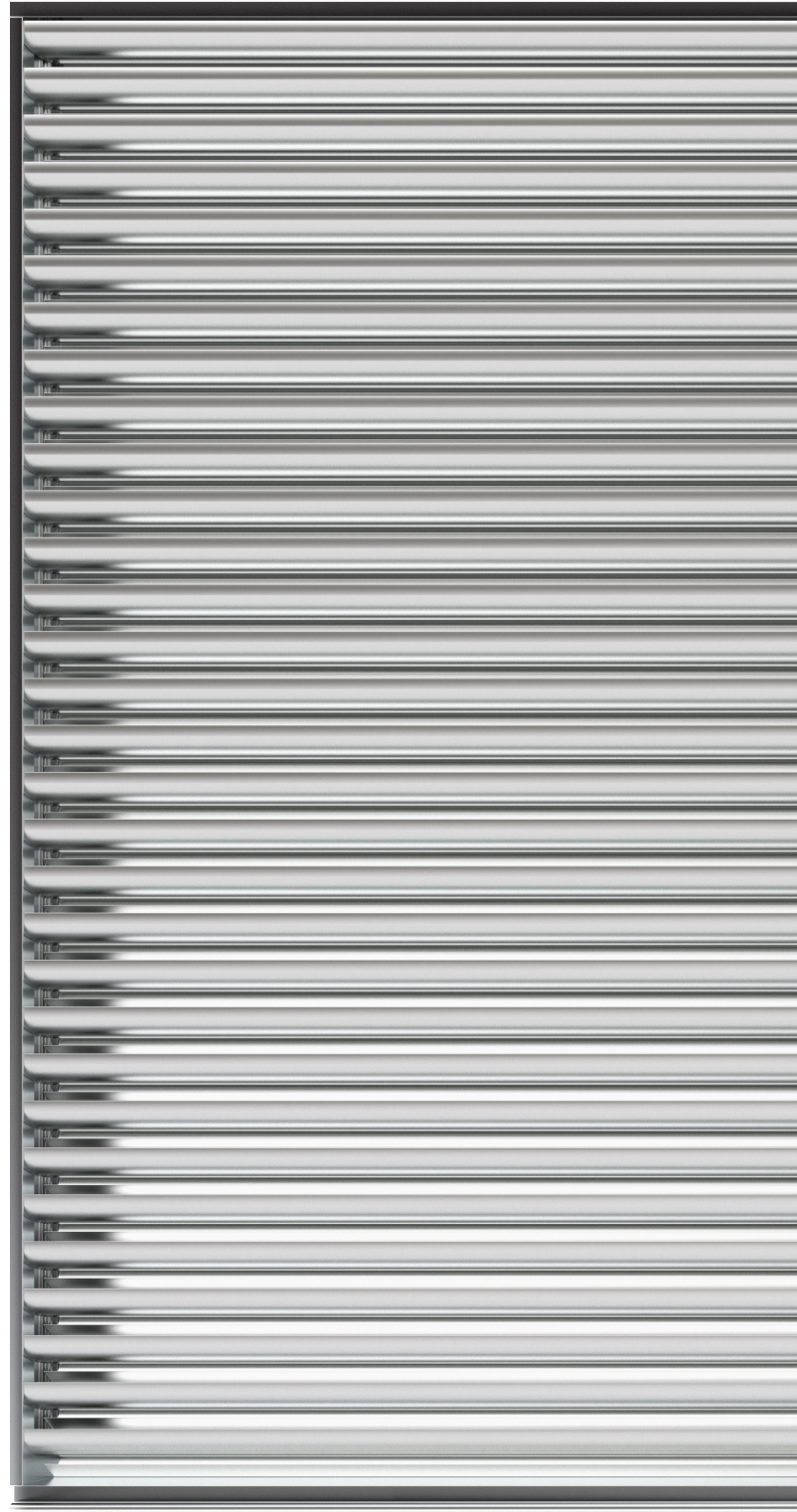
- Tight blade spacing
- Available accessories include bird or insect screen, sill pan, insulated or non insulated blank off panels.
- Narrow profile allows for easy installation into curtainwall or in any situation where depth is restricted
- Hidden mullion

Benefits

- Seamless integration into curtainwall and storefront.
- Easy installation with multiple frame options
- High airflow
- Very low pressure drop
- Very high free area


Applications

- Where aesthetic integration into curtainwall is a priority.
- Unique HVAC environments (Package terminal AC or Chiller rooms) where louver depth must be minimal.




Thinline Louvers


Finish Options



Kynar &
Powder Coat



Wood Grain
Patterns



Anodized
Finish



Custom
Color

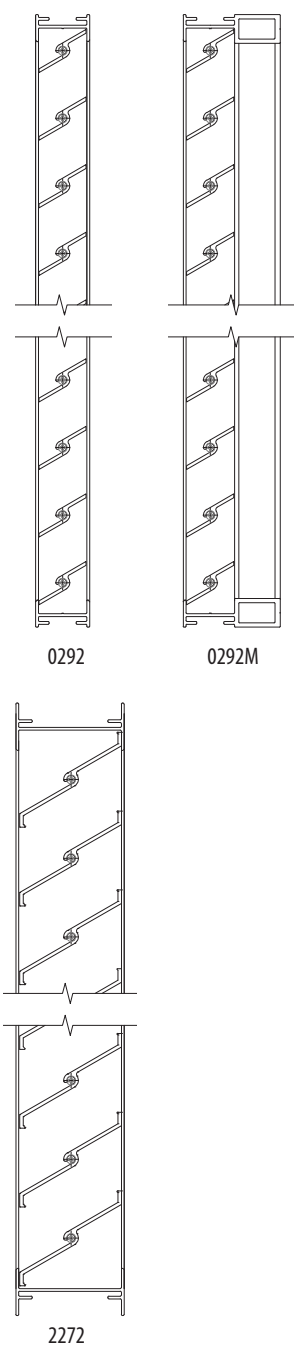
Product details

Model	Louver Depth	Blade Spacing	Rain Defense	Free Area		PD @ 900 fpm
				4' x 4'	8' x 8'	
0292	1" (25mm)	1¼" (32mm)		64%	64%	0.095
0292M	1⅜" (46mm)	1¼" (32mm)		64%	64%	0.095
2272	2" (51mm)	1⅞" (37mm)		55%	55%	0.095

Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

Models



LOUVERS

| Sand Trap Louvers

Sand Trap Louvers are specially designed to protect air intake from wind-driven sand. Our unique design combines rows of vertical blades to separate sand from the air stream. The sand is then safely channeled away on the sloping sill of the louver.

Features

- Can be done with horizontal louvers or vertical louvers
- Multiple aesthetic options from the base unit
- Ability to configure with different face units

Benefits

- Increases filter life and efficiency of equipment by reducing intake of sand particles.
- Sand rejections in interior spaces and protection of expensive equipment
- Blade design eliminates need for removing sand manually
- Can be combined with louver front or back

Applications

- Rooftop equipment enclosures
- Generator Rooms
- HVAC, AHU rooms
- Geographical regions where sandstorms or dust storm are prevalent



LOUVERS

Sand Trap Louvers

Finish Options



Kynar &
Powder Coat



Wood Grain
Patterns



Anodized
Finish

Product details

Model	Louver Depth	Blade Spacing		Sand Rejection	Free Area		PD @ 900 fpm
					4' x 4'	8' x 8'	
S-4770*	4" (102mm)	6" (152mm)			29%	31%	0.23
S-4770MF*	4" (102mm)	7½" (183mm)			38%	42%	0.30
S-8770**	8" (203mm)	2" (51mm)			51%	52%	0.85
S-8770E	8" (203mm)	4" (102mm) rear	2" (51mm) front		51%	52%	0.85
S-4770RS	7" (178mm)	2" (51mm) rear	3" (76mm) front		29%	31%	0.23
S-4770A	8" (203mm)	2" (51mm) rear	4" (102mm) front		29%	31%	0.23
S-4770VAC	8" (203mm)	2" (51mm) rear	6¾" (171mm) front		29%	31%	0.23
S-12150	12" (305mm)	3¾" (95mm)			20%	23%	0.47

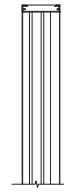
*AMCA certified

**AMCA tested

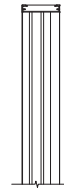
Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

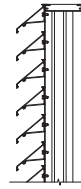
Models



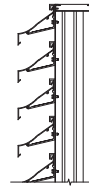
S-4770



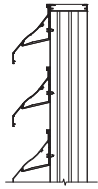
S-4770 MF



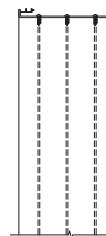
S-4770RS



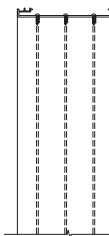
S-4770A



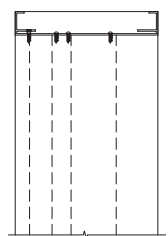
S-4770VAC



S-8770



S-8770E



S-12150

Vision Barriers

Both functional and decorative Vision Barriers can change the entire personality of a building. Let the colors, shapes and textures inspire your next design by adding depth and dimension to any architectural façade.

Features

- Sight screening
- Linear louvered aluminum screens
- No exposed framework; all supports and frames are hidden
- Blade orientation and spacing can be customized for optimal sight cutoff
- Variety of extruded aluminum blade profiles
- Materials shipped knocked down for easy field assembly
- Blades ship in long lengths to minimize joints

Benefits

- Provides up to 100% sight cutoff
- Easy to install
- Fully engineered
- Varying height, width and blade spacing provide unlimited design freedom
- Continuous blade appearance

Applications

- Parking garages
- Mechanical screening at ground level
- Horizontal or vertical accent walls
- Rooftop equipment enclosures



Vision Barrier Screens

Finish Options



Kynar &
Powder Coat



Anodized
Finish



Wood Grain
Patterns



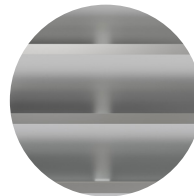
Custom
Color

Warranty

- One-Year Material Warranty
- For Finish Warranty please refer to our Finishing Options page.

Models

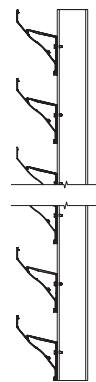
Each category below has multiple models



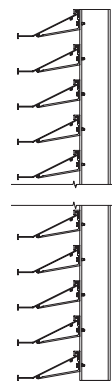
Vert-A-Cade

Vert-A-Cade Models:

301, 304, 315, 500,
500M and 8000



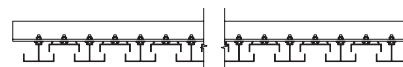
VAC-301



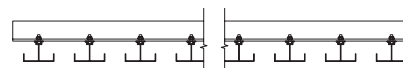
VAC-304*



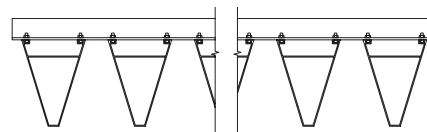
VAC-315



VAC-500



VAC-500M



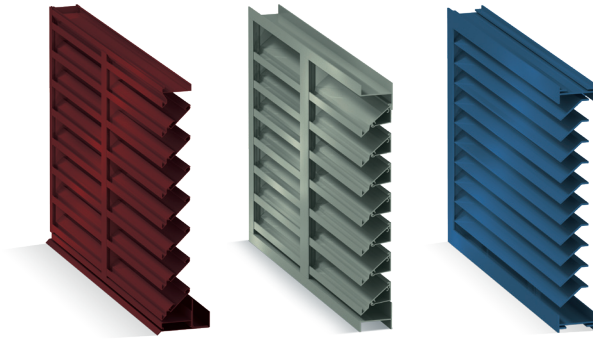
VAC-8000

...or create your own custom model

*AMCA certified

Construction Specialties Powder Coatings. Responsible. Durable. Beautiful.

With Construction Specialties Louvers, you'll get the look you want, without compromising the environment or durability.



Finishing Options

Finish type	Description	Colors	Standard Warranty
PVF2, PVDF (Polyvinylidene Fluoride) Kynar 500®	Ultimate – Available in two, three or four coat system. This resin-based coating system contains carbon-fluorine bonds which render them chemically and photo-chemically inert. Therefore, virtually immune to degradation from sunlight, moisture, acids, pollutants, and chemicals.	Standard RAL Colors	20 years
Hyper Durable (Polymer technology Powder coating) PVF3	Hyper – Exceptional Weathering performance formulated with Fluoropolymers. Qualicoat Class III. Adhering to AAMA 2605 for high performance exterior specifications. These finishes are resistant to moisture, weathering, ozone & UV radiation.	120 colors available in Matt Finish	30 years
Super Durable (Polyester Powder coating) PE SDF	Super – Formulated with modified polyester resin, it provides good color and gloss retention, adhering to AAMA 2604 specifications. Qualicoat Class II.	170 Colors available with 4 finishes	25 years
Wood Finish (Polyester Powder coating)	Wooden finish through sublimation process after powder coating. Available in Qualicoat class I and II.	As per Sample	5 years
Clear Anodized	Electrochemical process that forms a protective coating.	Clear/Silver finish	N/A

Certain models are available in Stainless steel and Galvanised steel.



Solutions that
benefit buildings,
occupants,
and communities.

CS products are essential components for the safety and performance of buildings that our communities rely on. From durable and easy-to-clean interior protection systems to performance-optimizing architectural products, CS has the right answer to any building challenge.

Discover the innovative solutions CS offers to help protect your building and its inhabitants.



**Acrovyn® Wall
Protection**



**Acrovyn Wall
Covering + Panels**



**Acrovyn
Doors**



**Cubicle Curtains
+ Track**



**Entrance Mats
+ Grids**



**Expansion
Joint Covers**



**Architectural
Louvers**



**Architectural Grilles +
Vision Barriers**



**Sun
Controls**



**Explosion + Pressure
Relief Vents**



**Stairs, Awnings
+ Balconies**



CS creates products that solve complex building challenges around the world:

Acrovyn by Design®	Architectural Grilles + Vision Barriers	Expansion Joint Covers
Acrovyn® Doors	Architectural Louvers	Explosion + Pressure Relief Vents
Acrovyn® Wall Covering + Panels	Cubicle Curtains + Tracks	Sun Controls
Acrovyn® Wall Protection	Entrance Mats + Grids	

Building 10, Office 305 & 306
Bay Square
Business Bay, Burj Khalifa District
PO Box 9260, Dubai, U.A.E.
Tel: +971 (0) 4 575 7015

Email: sales-csme@c-sgroup.com

Khurais Building, 1st Floor, Office #6
Khurais Road
Opposite King Fahd Medical City
PO Box 250089, Riyadh 11391, KSA
Tel: (+966 11) 279 0024, 279 1003, 462 8382

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