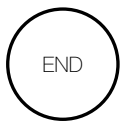
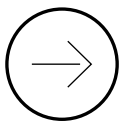
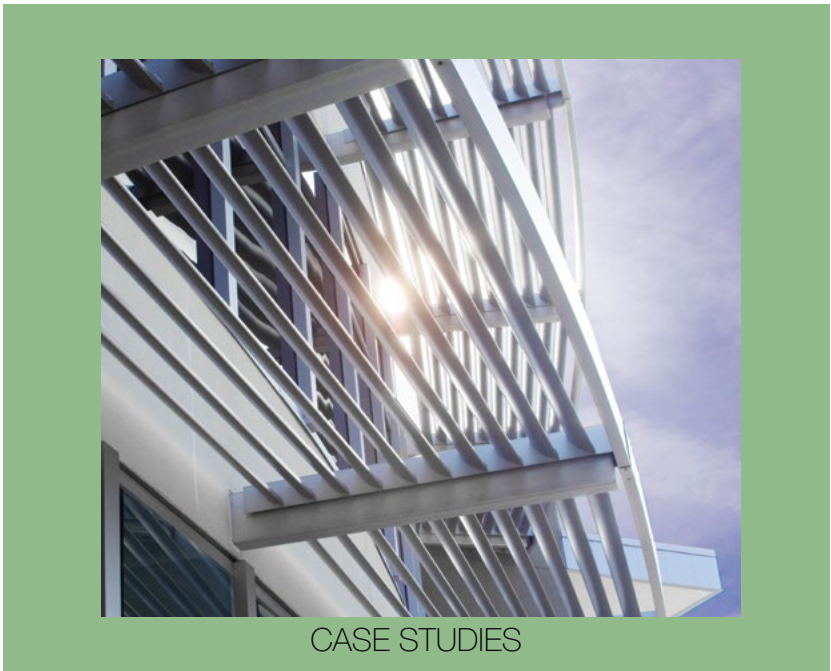
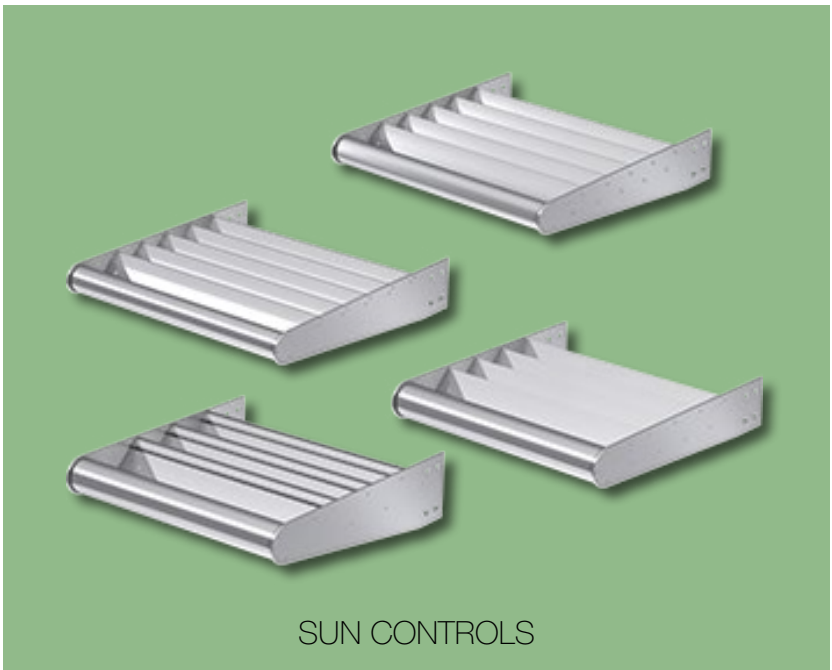
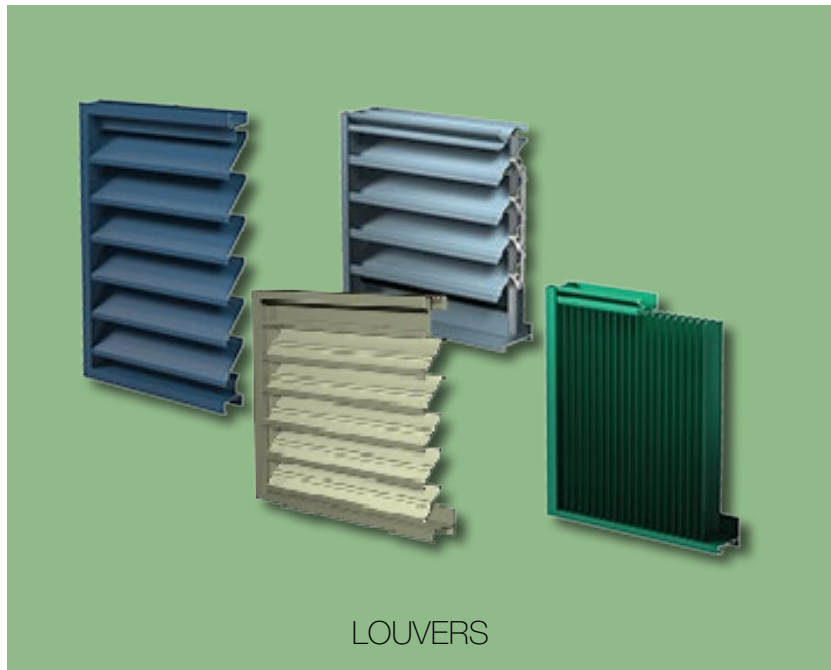


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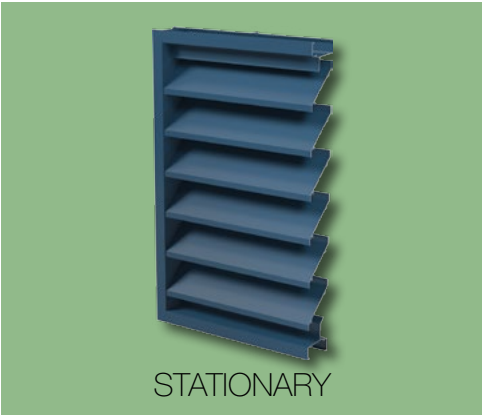
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# LOUVERS

## ALUMINUM



STATIONARY



DRAINABLE



STORM CLASS



NARROW PROFILE



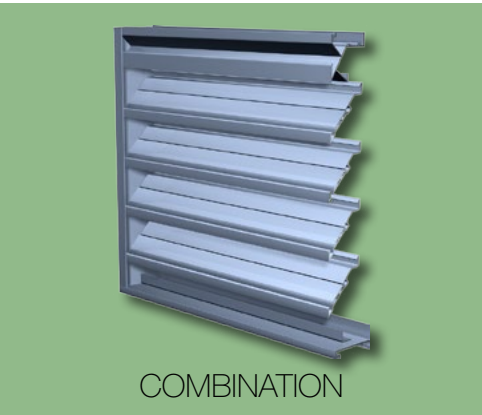
SIGHTPROOF



MIAMI-DADE & FLORIDA



ADJUSTABLE



COMBINATION

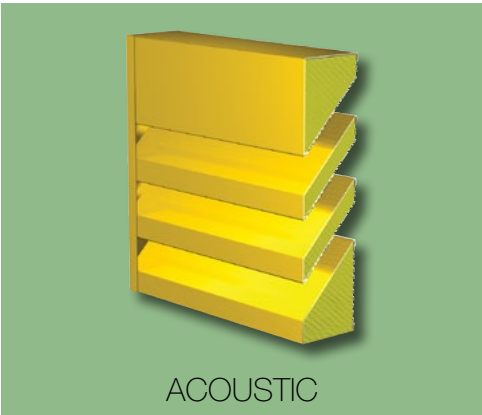


BRICK VENTS



PENTHOUSES

## FABRICATED



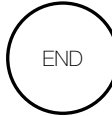
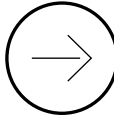
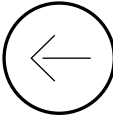
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# STATIONARY LOUVERS

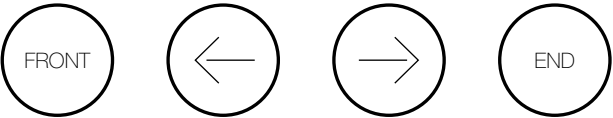
## ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K609	4"	5"	AP, WP	☐	7.91 ft²	49%	562 fpm	4,446 cfm	0.10 in H <sub>2</sub> O					
K6096	6"	6"	AP, WP	☐	8.35 ft²	52%	817 fpm	6,396 cfm	0.10 in H <sub>2</sub> O					
K638	4"	5"	AP, WP	☐	7.86 ft²	49%	548 fpm	4,307 cfm	0.09 in H <sub>2</sub> O					
K6386	6"	6"	AP, WP	☐	8.02 ft²	50%	753 fpm	6,039 cfm	0.08 in H <sub>2</sub> O					
K666	4"	4"	NR	☐	8.52 ft²	53%	760 fpm	6,475 cfm	0.09 in H <sub>2</sub> O					

## FABRICATED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
609	4"	4"	AP, WP	☐	7.55 ft²	47%	839 fpm	6,334 cfm	0.10 in H <sub>2</sub> O					
6096	6"	5.5"	AP, WP	☐	7.57 ft²	47%	896 fpm	6,783 cfm	0.11 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, NR = Not Rated



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# DRAINABLE LOUVERS

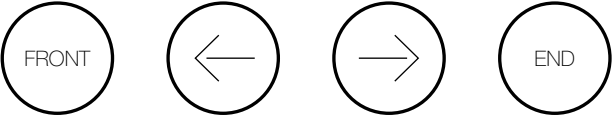
## ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K609HP	4"	4.125"	AP, WP	● ●	8.32 ft²	52%	963 fpm	8,012 cfm	0.08 in H <sub>2</sub> O					
K6096HP	6"	6.5"	AP, WP	● ●	8.69 ft²	54%	998 fpm	8,673 cfm	0.08 in H <sub>2</sub> O					
K638HP	4"	4.125"	AP, WP	● ●	8.49 ft²	53%	934 fpm	7,930 cfm	0.08 in H <sub>2</sub> O					
K6386HP	6"	5.75"	AP, WP	● ●	8.35 ft²	52%	1,097 fpm	9,160 cfm	0.08 in H <sub>2</sub> O					
K6744	4"	3.25"	AP, WP	● ● ●	8.92 ft²	56%	989 fpm	8,822 cfm	0.07 in H <sub>2</sub> O					
K6746	6"	4"	AP, WP	● ● ●	9.41 ft²	59%	1,077 fpm	10,135 cfm	0.06 in H <sub>2</sub> O					
K6774	4"	4"	AP, WP	● ● ●	8.35 ft²	52%	961 fpm	8,024 cfm	0.08 in H <sub>2</sub> O					
K6776	6"	4.5"	AP, WP	● ● ●	8.56 ft²	54%	1,250 fpm	10,700 cfm	0.06 in H <sub>2</sub> O					
K6844	4"	4.125"	AP, WP	● ● ●	8.22 ft²	51%	992 fpm	9,140 cfm	0.08 in H <sub>2</sub> O					
K6846	6"	5.75"	AP, WP	● ● ●	8.58 ft²	54%	1,201 fpm	10,305 cfm	0.09 in H <sub>2</sub> O					
K6856	6"	6.5"	AP, WP	● ● ●	7.91 ft²	49%	1,065 fpm	8,424 cfm	0.08 in H <sub>2</sub> O					

## FABRICATED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
6774	4"	4"	AP, WP	● ●	7.03 ft²	44%	1,056 fpm	8,788 cfm	0.08 in H <sub>2</sub> O					
6776	6"	5.5"	AP, WP	● ●	8.15 ft²	51%	948 fpm	7,726 cfm	0.06 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration



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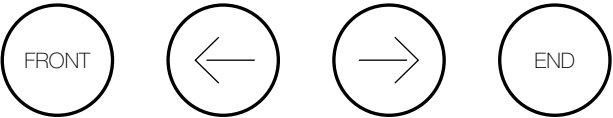
# STORM CLASS LOUVERS

ALUMINUM, SINGLE MODULE

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal PDF	Drawing		Specification PDF
					4' x 4' Unit	%						DWG		
SCH201 <small>HORIZONTAL</small>	2"	0.9375"	AP, WP, WDR	● ● ● ●	6.22 ft²	39%	1,250 fpm	7,775 cfm	0.22 in H <sub>2</sub> O					
SCH401 <small>HORIZONTAL</small>	4"	1.875"	AP, WP, WDR	● ● ● ●	6.72 ft²	42%	1,250 fpm	8,450 cfm	0.14 in H <sub>2</sub> O					
SCH501 <small>HORIZONTAL</small>	5"	2"	AP, WP, WDR	● ● ● ●	6.80 ft²	43%	1,250 fpm	8,500 cfm	0.11 in H <sub>2</sub> O					
SCH601 <small>HORIZONTAL</small>	6"	2.125"	AP, WP, WDR	● ● ● ●	7.58 ft²	47%	1,250 fpm	9,475 cfm	0.13 in H <sub>2</sub> O					
SCH701 <small>HORIZONTAL</small>	7"	2.25"	AP, WP, WDR	● ● ● ●	7.17 ft²	45%	1,250 fpm	8,736 cfm	0.19 in H <sub>2</sub> O					
SCV201 <small>VERTICAL</small>	2"	0.9375"	AP, WP, WDR	● ● ● ●	5.71 ft²	36%	1,250 fpm	7,137 cfm	0.26 in H <sub>2</sub> O					
SCV301 <small>VERTICAL</small>	3"	0.75"	AP, WP, WDR	● ● ● ●	8.40 ft²	53%	1,250 fpm	10,500 cfm	0.07 in H <sub>2</sub> O					
SCV401 <small>VERTICAL</small>	4"	1.615"	AP, WP, WDR	● ● ● ●	6.38 ft²	40%	1,250 fpm	7,975 cfm	0.21 in H <sub>2</sub> O					
SCV501 <small>VERTICAL</small>	5"	1.5"	AP, WP, WDR	● ● ● ●	8.71 ft²	54%	1,250 fpm	10,888 cfm	0.08 in H <sub>2</sub> O					
SCV6 <small>VERTICAL</small>	5.375"	1"	AP, WP, WDR	● ● ● ●	8.62 ft²	54%	1,250 fpm	10,775 cfm	0.06 in H <sub>2</sub> O					
SCV602 <small>VERTICAL</small>	6"	1.875"	AP, WP, WDR	● ● ● ●	5.88 ft²	37%	1,250 fpm	7,525 cfm	0.11 in H <sub>2</sub> O					
SCV801 <small>VERTICAL</small>	8"	1.5"	AP, WP, WDR	● ● ● ●	5.19 ft²	35%	1,250 fpm	6,488 cfm	0.10 in H <sub>2</sub> O					

Go to DUAL MODULE STORM CLASS LOUVERS >>

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain



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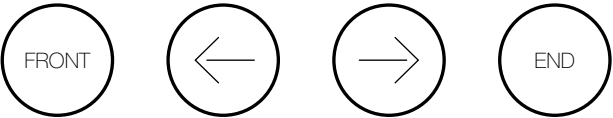



# STORM CLASS LOUVERS

ALUMINUM, DUAL MODULE

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
SCC725	7.25"	2.5"	NR	● ● ● ●	5.82 ft²	36%	1,250 fpm	7,275 cfm	0.36 in H <sub>2</sub> O					
SCC735	7.375"	2"	NR	● ● ● ●	8.96 ft²	56%	1,250 fpm	11,200 cfm	0.09 in H <sub>2</sub> O					
SCC875	8.75"	4"	NR	● ● ● ●	8.96 ft²	56%	1,250 fpm	11,200 cfm	0.07 in H <sub>2</sub> O					
SCC901	9.25"	4.5"	AP, WP, WDR	● ● ● ●	8.66 ft²	54%	974 fpm	8,435 cfm	0.16 in H <sub>2</sub> O					
SCH7	7"	4.5"	AP, WP, WDR	● ● ● ●	8.44 ft²	53%	948 fpm	8,001 cfm	0.18 in H <sub>2</sub> O					
SCH8	8"	2"	AP, WP, WDR	● ● ● ●	7.58 ft²	47%	1,250 fpm	9,479 cfm	0.19 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, NR = Not Rated



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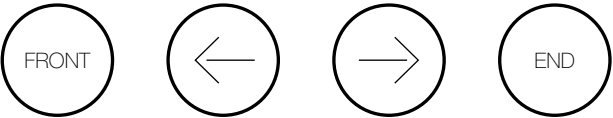



# NARROW PROFILE LOUVERS

ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
AC153	1.5"	0.75"	NR	●	11.01 ft²	69%	NR	NR	NR					
AC153S	1.25"	0.75"	NR	●	11.67 ft²	73%	NR	NR	NR					
AC154	1.5"	0.75"	NR	●	8.34 ft²	52%	NR	NR	NR					
AC154S	1.25"	0.75"	NR	●	8.80 ft²	55%	NR	NR	NR					
AC155	1.5"	1.875"	NR	●	7.35 ft²	46%	NR	NR	NR					
K6772	2"	2"	AP, WP	● ●	8.67 ft²	54%	973 fpm	8,443 cfm	0.01 in H <sub>2</sub> O					
T6482	2"	3"	AP, WP	●	6.01 ft²	38%	668 fpm	4,014 cfm	0.14 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, NR = Not Rated



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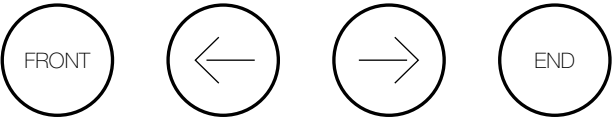



# SIGHTPROOF LOUVERS

ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K601	4"	4.25"	AP, WP	●	5.16 ft²	32%	765 fpm	3,827 cfm	0.67 in H <sub>2</sub> O					
K601D	4"	4.25"	AP, WP	● ●	5.16 ft²	32%	747 fpm	3,855 cfm	0.67 in H <sub>2</sub> O					
K605	5"	2"	AP, WP	●	8.19 ft²	51%	1,036 fpm	8,485 cfm	0.11 in H <sub>2</sub> O					
K605D	5"	2"	AP, WP	● ●	9.11 ft²	57%	1,134 fpm	10,331 cfm	0.15 in H <sub>2</sub> O					
KV601	4"	4.25"	NR	●	5.33 ft²	33%	NR	NR	NR					
T5832	2"	2.75"	AP, WP	●	3.75 ft²	23%	516 fpm	1,935 cfm	1.20 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, NR = Not Rated



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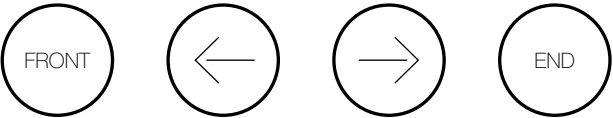

# MIAMI-DADE QUALIFIED & FLORIDA APPROVED LOUVERS

ALUMINUM, MIAMI-DADE QUALIFIED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K605MD	5"	2"	AP, WP, 540	●●●●●	8.19 ft²	51%	1,036 fpm	8,657 cfm	0.11 in H <sub>2</sub> O					
K6746MD <sup>1</sup>	6"	4"	AP, WP, 540	●●●●●	9.41 ft²	59%	1,250 fpm	11,763 cfm	0.06 in H <sub>2</sub> O					
K6746MDE <sup>1</sup>	6"	4"	AP, WP, 540	●●●●●	9.41 ft²	59%	1,250 fpm	11,763 cfm	0.06 in H <sub>2</sub> O					
K8206AMD	6"	4.75"	AP, WP, 540, 550	●●●●●	7.27 ft²	45%	1,125 fpm	8,179 cfm	0.08 in H <sub>2</sub> O					
SCH601MD <sup>1,2</sup>	6"	2"	AP, WP, WDR, 540	●●●●●	7.18 ft²	47%	1,250 fpm	8,975 cfm	0.16 in H <sub>2</sub> O					
SCH601MDE <sup>1</sup>	6"	2"	AP, WP, WDR, 540	●●●●●	7.18 ft²	47%	1,250 fpm	8,975 cfm	0.16 in H <sub>2</sub> O					
SCC901MD	9"	4.5"	AP, WP, WDR, 540, 550	●●●●●	8.66 ft²	54%	974 fpm	8,435 cfm	0.16 in H <sub>2</sub> O					
SCV501MD	5"	1.5"	AP, WP, WDR, 540, 550	●●●●●	8.77 ft²	55%	1,250 fpm	10,963 cfm	0.08 in H <sub>2</sub> O					
SCV660MD <sup>1,2</sup>	6"	0.75"	AP, WP, WDR, 540, 550	●●●●●	7.29 ft²	46%	1,250 fpm	9,112 cfm	0.12 in H <sub>2</sub> O					
T9106MD	6"	5"	AP, WP, WDR, 540	●●●●●	4.88 ft²	31%	827 fpm	4,037 cfm	0.21 in H <sub>2</sub> O					

Go to FLORIDA PRODUCT APPROVED LOUVERS>>

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, S = Sound, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed  
<sup>1</sup> Available with optional VCD-40 damper mounted on the interior of the louver. <sup>2</sup> Complies with TAS-100(A) when damper is applied. <sup>3</sup> Complies with TAS-100(A).



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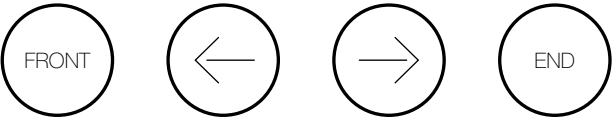



# MIAMI-DADE QUALIFIED & FLORIDA APPROVED LOUVERS

ALUMINUM, FLORIDA APPROVED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K6744X	4"	3.25"	AP, WP, 540	●●●●●	8.98 ft²	56%	1,151 fpm	8,822 cfm	0.07 in H <sub>2</sub> O					
K6746X	4"	1.875"	AP, WP, 540	●●●●●	9.41 ft²	59%	1,077 fpm	10,135 cfm	0.06 in H <sub>2</sub> O					
SCH501X	5"	2"	AP, WP, WDR, 540	●●●●●	6.80 ft²	43%	1,250 fpm	9,337 cfm	0.11 in H <sub>2</sub> O					
SCV602X	6"	1.875"	AP, WP, WDR, 540, 550	●●●●●	5.88 ft²	37%	1,250 fpm	7,350 cfm	0.11 in H <sub>2</sub> O					
T9106X	6"	5"	AP, WP, S, 540	●●●●●	4.89 ft²	31%	799 fpm	3,907 cfm	0.15 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, WDR = Wind Driven Rain, S = Sound, 540 = AMCA 540 Listed, 550 = AMCA 550 Listed



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# ADJUSTABLE LOUVERS

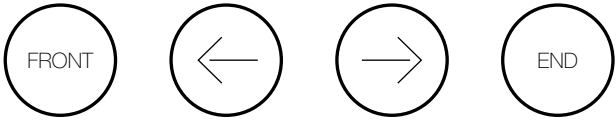
## ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
T645	4"	4.5"	AP, WP	● ●	6.48 ft²	41%	1,023 fpm	6,629 cfm	0.10 in H <sub>2</sub> O					
T6636	6"	4.5"	AP	● ●	6.32 ft²	40%	1,069 fpm	6,756 cfm	0.03 in H <sub>2</sub> O					
T6784	4"	4.5"	AP, WP	● ●	6.54 ft²	41%	920 fpm	6,016 cfm	0.18 in H <sub>2</sub> O					
T6784E	4"	4.5"	NR	● ●	5.23 ft²	33%	920 fpm	5,372 cfm	0.28 in H <sub>2</sub> O					
T6786	6"	6.5"	AP, WP	● ●	7.34 ft²	46%	1,007 fpm	7,391 cfm	0.09 in H <sub>2</sub> O					
T6786E	6"	6.5"	NR	● ●	6.44 ft²	40%	1,007 fpm	6,485 cfm	0.12 in H <sub>2</sub> O					
T6796	6"	4.5"	AP, WP	● ●	8.73 ft²	55%	1,107 fpm	9,664 cfm	0.05 in H <sub>2</sub> O					

## FABRICATED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
645	4"	4.5"	AP, WP	● ●	5.93 ft²	37%	691 fpm	4,098 cfm	0.11 in H <sub>2</sub> O					
6456	6"	6.5"	AP, WP	● ●	6.23 ft²	39%	717 fpm	4,467 cfm	0.10 in H <sub>2</sub> O					
6784	4"	4.125"	AP, WP	● ●	5.98 ft²	37%	1,086 fpm	6,494 cfm	0.18 in H <sub>2</sub> O					
6785	6"	5.75"	AP, WP	● ●	7.11 ft²	44%	980 fpm	6,968 cfm	0.10 in H <sub>2</sub> O					
6786	6"	4"	AP, WP	● ●	8.77 ft²	54%	959 fpm	8,410 cfm	0.09 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, NR = Not Rated




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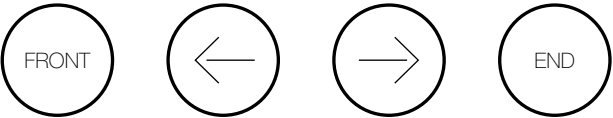
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# COMBINATION LOUVERS

ALUMINUM

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
K8204	4"	4.5"	AP, WP	● ●	6.34 ft²	40%	1,192 fpm	7,557 cfm	0.11 in H <sub>2</sub> O					
K8204E	4"	4.5"	NR	● ●	5.41 ft²	34%	1,192 fpm	6,663 cfm	0.14 in H <sub>2</sub> O					
K8206	6"	6.5"	AP, WP	● ●	7.41 ft²	46%	1,020 fpm	7,558 cfm	0.08 in H <sub>2</sub> O					
K8206A	6"	4.75"	AP, WP	● ●	7.68 ft²	48%	1,221 fpm	9,377 cfm	0.07 in H <sub>2</sub> O					
K8206E	6"	6.5"	NR	● ●	6.20 ft²	39%	1,020 fpm	6,324 cfm	0.12 in H <sub>2</sub> O					
K8306	6"	6.5"	AP, WP	● ●	7.18 ft²	46%	1,193 fpm	7,385 cfm	0.10 in H <sub>2</sub> O					
K8504	4"	4.5"	AP, WP	● ●	7.60 ft²	46%	1,018 fpm	6,118 cfm	0.11 in H <sub>2</sub> O					
K8506	6"	6.5"	AP, WP	● ●	7.32 ft²	46%	1,035 fpm	7,576 cfm	0.09 in H <sub>2</sub> O					
KN827	4"	4.5"	NR	● ●	6.39 ft²	40%	NR	NR	NR					
KX827	4"	4.5"	NR	● ●	6.39 ft²	40%	NR	NR	NR					

AP = Air Performance, WP = Water Penetration, NR = Not Rated



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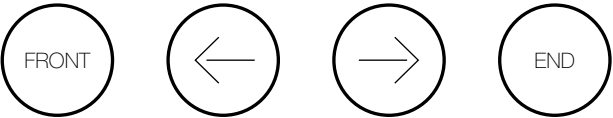
# BRICK VENTS

## ALUMINUM

Louver Type	Depth	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal PDF	Drawing		Specification PDF
				4' x 4' Unit	%								
BVE	4"	NR		NR	NR	NR	NR	NR					
	AVAILABLE SIZES:												
		8.125 x 2.375"	12 x 11.75"	16.5 x 15.75"									
		8.125 x 4.75"	15.625 x 7.75"	24 x 2.375"									
		8.125 x 7.75"	15.625 x 15.75"	24 x 4.75"									
		12 x 2.375"	16.5 x 2.375"	24 x 7.75"									
		12 x 4.75"	16.5 x 4.75"	32 x 7.75"									
		12 x 7.75"	16.5 x 7.75"	48 x 7.75"									
BVF	4.25"	NR		NR	NR	NR	NR	NR					
	AVAILABLE SIZES*:												
		8.125 x 2.375"	12 x 11.75"	16.5 x 15.75"									
		8.125 x 4.75"	15.625 x 7.75"	24 x 2.375"									
		8.125 x 7.75"	15.625 x 15.75"	24 x 4.75"									
		12 x 2.375"	16.5 x 2.375"	24 x 7.75"									
		12 x 4.75"	16.5 x 4.75"	32 x 7.75"									
		12 x 7.75"	16.5 x 7.75"	48 x 7.75"									

\*BFV Brick Vents add 1" face flange on all four (4) sides to order size.

NR = Not Rated



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# PENTHOUSES

ALUMINUM, MIAMI-DADE QUALIFIED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Specification
					4' x 4' Unit	%					PDF	PDF
K6746PD	6"	4"	NR	●●●●●	9.41 ft²	59%	1,250 fpm	11,763 cfm	0.06 in H <sub>2</sub> O			
SCH601PD	6"	2"	NR	●●●●●	7.18 ft²	47%	1,250 fpm	8,975 cfm	0.16 in H <sub>2</sub> O			

NR = Not Rated  
\*Performance data above is based on Louver Types K6746 and SCH601.

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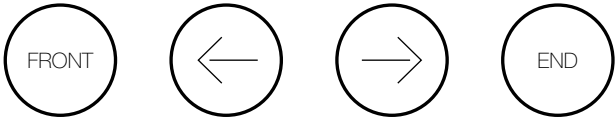

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# ACOUSTIC LOUVERS

FABRICATED

Louver Type	Depth	Blade Spacing	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal	Drawing		Specification
					4' x 4' Unit	%					PDF	PDF	DWG	PDF
T9106/9106 <small>ALUMINUM/STEEL</small>	6"	5"	AP, WP, S	● ●	4.89 ft²	31%	799 fpm	3,907 cfm	0.15 in H <sub>2</sub> O					
T9108/9108 <small>ALUMINUM/STEEL</small>	8"	5"	AP, WP, S	● ●	4.28 ft²	27%	887 fpm	3,798 cfm	0.20 in H <sub>2</sub> O					
T9112/9112 <small>ALUMINUM/STEEL</small>	12"	5"	AP, WP, S	● ●	3.39 ft²	21%	1,108 fpm	3,757 cfm	0.31 in H <sub>2</sub> O					
T9206/9206 <small>ALUMINUM/STEEL</small>	6	6"	NR	● ●	4.06 ft²	25%	943 fpm	3,828 cfm	0.16 in H <sub>2</sub> O					
T9208/9208 <small>ALUMINUM/STEEL</small>	8"	6"	AP, WP, S	● ●	5.21 ft²	33%	879 fpm	4,520 cfm	0.08 in H <sub>2</sub> O					
T9212/9212 <small>ALUMINUM/STEEL</small>	12"	12"	NR	● ●	4.29 ft²	27%	753 fpm	3,229 cfm	0.11 in H <sub>2</sub> O					
T9612/9612 <small>ALUMINUM/STEEL</small>	12"	5"	AP, WP, S	● ●	4.27 ft²	27%	830 fpm	3,544 cfm	0.33 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, S = Sound, NR = Not Rated



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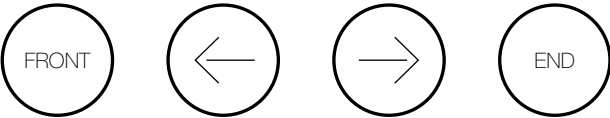

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# SUN CONTROLS

## ALUMINUM

Sun Control Model	Width	Blade	Outrigger		Fascia	Website	Submittal	Drawing		Specification
		Type	Material	Thickness			PDF	PDF	DWG	PDF
ASC4	4"	Airfoil	Aluminum Plate	< 0.250"	3" Round Tube					
ASC6	6"	Airfoil	Aluminum Plate	< 0.250"	4" Round Tube					
ASC8	4"	Airfoil	Aluminum Plate	< 0.250"	8" Rectangular Tube					
FSC4	6"	Fan	Aluminum Plate	< 0.250"	3" Round Tube					
FSC6	4"	Fan	Aluminum Plate	< 0.250"	4" Round Tube					
TSC4	6"	Rectangular Tube	Aluminum Plate	< 0.250"	4" Round Tube					
TSC6	4"	Rectangular Tube	Aluminum Plate	< 0.250"	6" Rectangular Tube					
TSC8	6"	Rectangular Tube	Aluminum Plate	< 0.250"	8" Rectangular Tube					
ZSC4	4"	Louver	Aluminum Plate	< 0.250"	4" Round Tube					



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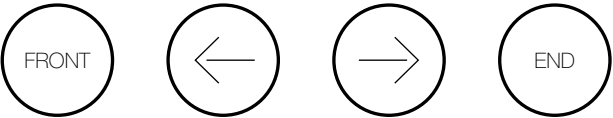

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# LOUVER SCREENS

## ALUMINUM

Louver Screen Model	Depth	Material Thickness	Free Area		Horizontal Support	Website	Submittal	Drawing		Specification
			4' x 4' Unit	%			PDF	PDF	DWG	PDF
ENCB609	4"	0.081"	8.23 ft²	51%	Aluminum Z Support					
ENCB6096	6"	0.081"	8.39 ft²	52%	Aluminum Z Support					
SCB601	4"	0.081"	5.65 ft²	35%	Aluminum Z Support					
CV605	5"	0.081"	8.82 ft²	55%	2 x 2 x 0.25" Angle					
SV961	3.75"	0.081"	3.84 ft²	24%	2 x 2 x 0.25" Angle					
SV962	1.75"	0.063"	4.16 ft²	26%	2 x 2 x 0.25" Angle					



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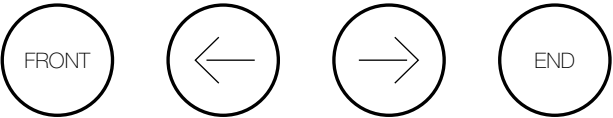

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# GRILLES

ALUMINUM

Grille Model	Grille Type	Depth	Material Thick-ness	Blade Angle	Horizontal Spac-ing	Vertical Spacing	Website	Submittal	Technical Submittal		Drawing		Specification
								PDF	PDF	DWG	PDF	DWG	PDF
AFG100	Airfoil Blade	3.5 - 6"	0.081"	0 - 60°	2 - 12"	n/a							
ABG100	Angular Bar	2 - 6"	0.081 - 0.250"	0 - 60°	2 - 12"	2 - 12"							
CBG100	Continue-Line	2 - 6"	0.081 - 0.250"	0 - 45°	2 - 12"	2-12"							
LBG100	Linear Bar	2 - 6"	0.081 - 0.250"	n/a	2 - 12"	2 - 12"							
GIG100	Gemini	3 - 6"	0.081 - 0.250"	48°	5.5 - 11"	9 - 48"							
SLG100	Solar-Line	2 - 6"	0.081 - 0.250"	0 - 45°	2 - 12"	2 - 12"							
CGG100	Circular	2 - 6"	0.100"	0 - 60°	6" on center	6" on center							
MG100	Matrix	2 - 6"	0.081 - 0.250"	n/a	2 - 12"	2 - 12"							
PDG100	Prism	2 - 4"	0.081 - 0.125"	n/a	4 - 12"	4 - 12"							
GSG100	Sansome	2 - 6"	0.250 - 0.500"	n/a	n/a	n/a							
TG100	Tetra	2 - 4"	0.081 - 0.125"	0 - 45°	4 - 12"	4 - 12"							



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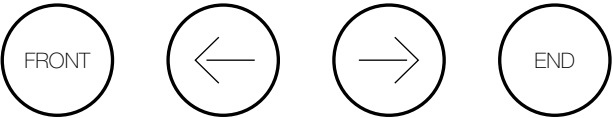

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# SPECIAL APPLICATION

Louver Type	Depth	AMCA Licensed Ratings	Rain Defense	Free Area		Beginning Point of Water Penetration	Air Volume Flow Rate	Pressure Drop @ 6,000 CFM Intake Velocity	Website	Submittal PDF	Drawing		Specification PDF
				4' x 4' Unit	%						DWG		
AFG501	5"	AP, WP	● ● ● ●	7.55 ft²	47%	2,002 fpm	15,115 cfm	0.16 in H <sub>2</sub> O					
AFG801	8"	NR	● ● ● ●	8.05 ft²	50%	NR	NR	0.13 in H <sub>2</sub> O					
ASL401	4"	AP	● ● ● ●	4.28 ft²	27%	NR	NR	0.13 in H <sub>2</sub> O					

AP = Air Performance, WP = Water Penetration, NR = Not Rated



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# CASE STUDIES



LIVING LEARNING COMMUNITY



YBH AUDI DEVON DEALERSHIP



GUILDFORD TOWN CENTRE EXPANSION



GENERAL FUNDING OFFICE BUILDING



MAMMOET USA SOUTH, INC.



AVL TECHNOLOGY CORPORATE OFFICE



MIAMI BEACH CITY HALL PARKING GARAGE



UMASS AMHERST STUDIO ARTS BUILDING



UMASS AMHERST RECREATION CENTER



FIRST FEDERAL FINANCIAL CENTER



THE JOHNS HOPKINS MEDICAL CAMPUS



KOLL AIRPORT PROFESSIONAL CENTER



THE ASHTON



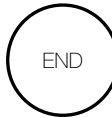
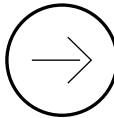
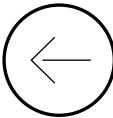
CHANDLER-GILBERT COMMUNITY COLLEGE



UNIVERSITY OF COLORADO HOSPITAL



SPECK STREET PARKING GARAGE



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# LIVING LEARNING COMMUNITY



## The Vision

The University of Nevada, Reno completed construction of a new five-story, 124,000-square-foot Living Learning Community building in June 2012 to accommodate up to 320 students. Living learning communities are designed to integrate student learning with on-campus residential living, helping students make connections and develop friendships with those who have similar academic interests. Students are assigned to the same floor in the residence hall, take one or more core courses in the building and actively participate in their floor communities. The University of Nevada, Reno, currently offers nine distinctive Living Learning Communities within the building focused on journalism, business, Women in Science and Engineering, education, pre-nursing, engineering, art and honors. The accommodations in the building are suite-style with three different configurations housing four, five, or six students per suite.

## The Airolite Look...

The new Nevada Living Learning Community is the first of its kind on the campus of the University of Nevada, Reno. This innovative structure and striking design were intended to serve as a recruiting tool and make a dramatic statement about the University's commitment to sustainable and contemporary architectural design. The environmentally sensitive design included many features that helped the building earn LEED Silver Certification.

The architect and building owner wanted to maximize outdoor views and daylight in the common areas where students gather to enhance the living experience while reducing solar heat gain.

Eighty-two sections of Airolite vertical rectangular tube sun controls and horizontal airfoil sun controls were installed on the front façade/atrium area with a southern exposure to provide a unique and aesthetically pleasing solution to daylighting and energy control objectives. Another section of sun controls was installed on the building's West-facing elevation overlooking an outdoor courtyard area. All the sun controls as well as nine sections of Airolite Drainable Louvers (Model K6774) were finished with a custom, color match two-coat gold Kynar 500® resin coating selected by the architect to match window and curtainwall systems while complementing the red and gold tones in the exterior brick work.

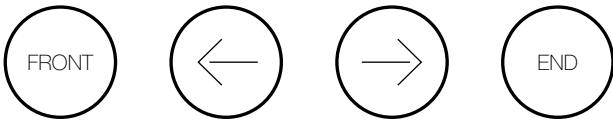
## That Works

Custom sun controls were strategically placed horizontally on several elevations to allow abundant views from the interior. The vertical sun controls were installed between the curtainwall systems' deep decorative caps. All product was finished with a custom, color match two-coat gold Kynar 500® resin coating.

The Airolite louvers, Model K6774, can achieve high volume air flow while providing superior resistance to water penetration. Drainable louvers are fabricated with gutters at the front edge of each blade to prevent water droplets from dropping onto lower blades and entering the intake air flow.

Architect Peter Grove of Collaborative Design Studio was very pleased with the look and functionality of the Airolite louvers and sun controls. He stated, "The nice clean lines, style and depth of shades provide the look and daylight desired while also reducing solar heat gain."

Airolite Rep	Building Location	Architect	Website	Case Study PDF
Rowe Fenestration Sacramento, CA	University of Nevada Reno, NV	Collaborative Design Studio Reno, NV		



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# YBH AUDI DEVON DEALERSHIP



## The Vision

This new, two-story, 50,000-square foot Audi dealership, opened in Devon, PA in December, 2014. It's the first flagship terminal for Audi of America in the Philadelphia market.

The owner, YBH Auto Group, wanted to make a bold, eye-catching statement since the dealership is located on a street with several luxury dealerships such as Mercedes Benz and Maserati. YBH Audi includes a showroom with reception and office space, a service and repair shop and a car wash. Minimizing sound emitted from the business was also a priority because a residential area is directly behind the dealership.

## The Airolite Look...

The main part of the building façade consists of a window wall and a silver, perforated wire-mesh wall (Dri-design® panel system) which gives the building a sleek, contemporary, upscale appearance.



Two 55-inch high Airolite inverted blade louver screens, Model ENCB609, were installed on both roof levels to continue this look and conceal unsightly HVAC and other mechanical equipment from view. The lower roof L shaped screen is 52' 10-21/32" x 30' 10-13/32". The upper roof U shaped screen is 64' 10-29/32" x 89' 5-5/16" x 64' 10-29/32".

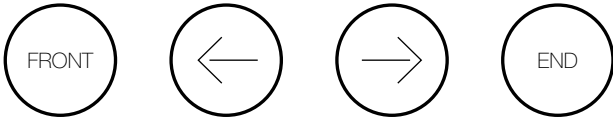
The horizontal lines in the Airolite screens complement the modern sleek horizontal lines in the wall panel system. The four-inch deep inverted blades ensure that no one can see through the screens from ground level. Mitered corners and concealed mullions further enhance the look of these louver screens. A clear anodize finish applied to the aluminum louver extrusions matches the silver tones on the main part of the building for aesthetic continuity.

## That Works

The Airolite louver screen ENCB609 is a versatile, horizontal and inverted blade louver screen that functions extremely well as a sight and security barrier. The inverted blades also help deflect sound upward and away from the surrounding neighborhood.

"The 13 sections of louver screens were shipped on time and easily elevated to the roof for quick installation," stated John McKinley, general manager for Audi Devon. "We are extremely happy with the product and they are performing as specified."

Airolite Rep	Building Location	Architect	General Contractor	Subcontractor	Website	Case Study PDF
The Lenehan Group Devon, PA	222 W Lancaster Ave Devon, PA	Penney Design Group Bethesda, MD	Warfel Construction East Petersburg, PA	EDA Contractors Bensalem, PA		



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# GUILDFORD TOWN CENTRE



## The Vision

Owned and managed by Ivanhoé Cambridge, Guildford Town Centre in Surrey, British Columbia was built in 1966 and has undergone multiple expansions and renovations since then. The second phase of a five year expansion, one of the largest shopping center redevelopment projects in Canada, was completed in August, 2013 and added a dramatic new entrance, a complete refurbishment of the interior and 213,000 more square feet of retail space for 70 additional retailers and a new Food Court.

Today, Guildford Town Centre offers over 1,200,000 square feet of leasable area with over 250 stores and restaurants. Airolite architectural louvers are featured prominently on top of the rotunda over the new entrance to the mall.

## The Airolite Look...

The original design for the front entrance called for the installation of curved architectural louvers to create a contemporary and majestic statement for the popular shopping center. However, curved louvers proved to be too costly. Airolite engineers were able to create the spectacular curved appearance with 88 sections of straight segmented Airolite K609 Louvers installed on the building's curved exterior surface. A clear anodized finish was selected to emphasize the natural silver beauty of the aluminum. As light changes during the day and night, it reflects off the aluminum façade and greets passersby with a compelling invitation to step inside and enjoy a delightful shopping experience in this charming community.

## That Works

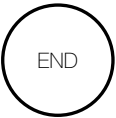
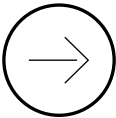
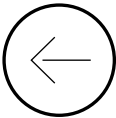
Installing a flat louver on a curved surface required an innovative mounting system and extraordinary attention to detail. Airolite engineers designed a unique wide bracket with a straight steel pin that could be installed in advance on the curved wall to receive the louver sections. Four standard louver brackets for each section were hung on the four custom-designed brackets providing flexibility to move the louver section forward or back and create the circular effect. Installation was easy and quick thanks to this engineered solution. The thickness of the vertical framework was also reduced to help achieve the circular effect.

Although these louvers were installed only for aesthetic purposes, the Airolite Louver Type 609 is designed for applications that require intake and exhaust ventilation with moderate protection against water penetration.

The louvers for this job were designed, produced, and shipped in two separate phases to accommodate the building schedule. Phase I included 2,420 square feet of louvers in 63 sections with an average size of 7'0" wide x 5'6" high. Phase II included 550 square feet of louvers in 25 sections.

Celso Stifelmann, MCMP's architect on the project, was pleased with the final look. "The use of Airolite louvers on top of the rotunda over the main entrance was crucial to obtain the results we are now seeing. The intent on this portion of the building was to give the public a majestic experience, complementing the beautiful plaza," he stated. "Airolite's ability to manufacture and install an almost frameless decorative louver with the proportions we envisioned was key for this success. The final product exceeded our expectations, and this project is quickly becoming a City of Surrey landmark."

Airolite Rep	Building Location	Architect	Website	Case Study PDF
Rieger Architectural Products Winnipeg, Manitoba	10355 152 Street Surrey, British Columbia	Musson Cattell Mackey Partnership Vancouver, British Columbia		



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# GENERAL FUNDING OFFICE BUILDING



### The Vision

A stunning, new 13-story, 90,500-square-foot corporate headquarters building for the International Finance Bank (IFB) was completed in 2012 in Miami, Florida. IFB offers a full range of residential and commercial mortgages and is owned by Grupo IF, a privately held family enterprise that's been doing business in North and South America for more than 50 years. The building achieved LEED Silver Certification by incorporating many sustainable building features such as (but not limited to) preferred parking spaces for low-emitting vehicles, computerized lighting controls, a white roof to minimize heat gain and three rainwater-irrigated terraces.

### The Aiolite Look...

To complement the building's sleek, modern exterior sightlines and to ensure a favorable first impression of the new corporate headquarters, a 302-space parking garage located on the first four floors was enclosed on three sides by nonlinear Aiolite louver screen wall.

The initial design intent was to utilize a perforated aluminum sight screen to encapsulate the multiple level parking levels only on the North side of the structure. However, that material was determined to be unsatisfactory. Instead, Aiolite louvers type ENCB609 were selected due to their more reliable manufacturing tolerances and a more desirable aesthetic contribution.

The nonlinear louver screen walls add depth, definition and relief to the parking structure's façade and minimize visibility of vehicles parked inside the structure. The louvers were coated with pearlescent warm silver two-coat Kynar paint coating for durability and to ensure compatibility with adjacent materials and finishes.



### That Works

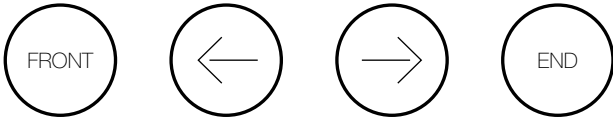
Aiolite Louver Screen Type ENCB609 is a versatile, inverted, horizontal blade, 4-inch (101.6 mm) deep architectural louver screen designed for applications that require economical sight barriers. The inverted louver screen blade profile provides an effective visual screen when viewed from grade or any lower elevation.

In total, 10,000 square feet of Aiolite louvers type ENCB609 were designed, fabricated and installed to screen the parking lot structure and support the building's aesthetic objectives. In addition, the louvers allow natural ventilation of the enclosed parking space and prevent water penetration into the parking area. The 160 ft. x 100 ft. x 120 ft. screen walls are made up of approximately 210 sections that are ten feet wide x five feet tall.

The louver sections feature concealed vertical mullions and horizontal stack joints and produce continuous, uninterrupted horizontal sight and shadow lines around three sides of the parking structure.

Multiple combinations of acute and obtuse mitered corners yield a multifaceted, nonlinear facade; and strategically placed cut-outs provide convenient view openings. All-welded construction was specified for durability and to maintain joint alignment and control of angularity.

Building Location	Architect	General Contractor	Website	Case Study PDF
777 SW 37th Avenue Miami, FL	Nichols Brosch Wurst, Wolfe & Associates, Inc. Coral Gables, FL	Coastal Construction Group Miami, FL		



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# MAMMOET USA SOUTH, INC.



## The Vision

A global company headquartered in Schiedam, the Netherlands, Mammoet serves petrochemical, mining, power generation, natural resource development, civil and marine industries worldwide with tailor-made heavy lifting and transportation solutions for onshore or offshore. Structural elements are exposed and finished in Mammoet's brilliant corporate red signature color to match the company's logo; metal wall panels demonstrate bold, continuous, horizontal, ribbed profiles that are finished in a reflective metallic gray color; and, each window frame is painted white to enhance recognition and visibility. The design team chose a canted wall design to reflect Mammoet's commitment to innovation. Like each of the structural elements in the envelope, Airolite's load-bearing outrigger elements incorporated in the cantilevered Airolite sun controls are painted Mammoet red to emphasize their structural contribution and complement the color of the corporate logo. The metallic gray bar blades, configured in a progression from 10-1/2-inches to 4-5/8-inch wide members, and round fascia elements in the sun controls pose yet more linear horizontal sightlines and complement the color and profile of the metal panels.

## The Airolite Look...

Structural elements are exposed and finished in Mammoet's brilliant corporate red signature color to match the company's logo; metal wall panels demonstrate bold, continuous, horizontal, ribbed profiles that are finished in a reflective metallic gray color; and, each window frame is painted white to



The design team chose a canted wall design to reflect Mammoet's commitment to innovation. Like each of the structural elements in the envelope, Airolite's load-bearing outrigger elements incorporated in the cantilevered Airolite sun controls are painted Mammoet red to emphasize their structural contribution and complement the color of the corporate logo. The metallic gray bar blades, configured in a progression from 10-1/2-inches to 4-5/8-inch wide members, and round fascia elements in the sun controls pose yet more linear horizontal sightlines and complement the color and profile of the metal panels.

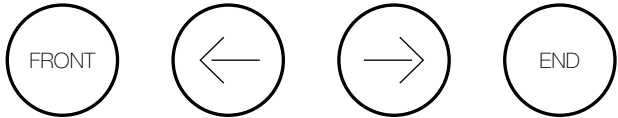
## That Works

The canted window orientation and custom-engineered exterior Airolite sun controls yield solar shading and manage glare imposed by the intense Texas sun. The sleek sun control profiles further serve to break up the stark metal and glass walls to lend scale and detail to the facade. The building was designed to LEED standards, but certification was not pursued.

Due to operational, environmental and safety concerns, the facility was designed to be constructed and relocated about ¼ mile to its permanent location. As the world's leader in heavy-lifting and multimodal transportation, Mammoet didn't foresee any special challenges in building the facility first and then relocating it to its new address. Visit YouTube to view a video clip of the move.



Building Location	Architect	General Contractor	Subcontractor	Website	Case Study PDF
20525 FM 521 Road Rosharon, TX	Philo Wilke Partnership Houston, TX	Mammoet USA South, Inc. Rosharon, TX	NOW Specialties, Inc. Carrollton, TX		



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# AVL TECHNOLOGIES CORPORATE OFFICE



## The Vision

A single-story strip mall built on an 8-acre site in 1985 in Asheville, NC, had deteriorated to the point where a developer was ready to tear it down and rebuild. Instead the 60,000 square-foot structure—anchored by a supermarket — was transformed in 2012 into a very attractive corporate office and manufacturing center for AVL Technologies. AVL manufactures mobile satellite communications antennae systems and positioners. Its new corporate office and manufacturing center is now part of an urban village development including contemporary shops, restaurants and residential condominiums. Small shops in the existing building became light-filled offices, and the large grocery and drug store spaces are now dedicated to manufacturing functions. The brick facade, walls, slabs, steel and bar joist structure are all original construction.

## The Airolite Look...

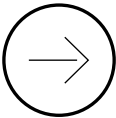
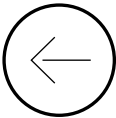
The building appears new and designed specifically for its current use, but in reality very little is new. Several design elements featuring custom-engineered Airolite products helped create the new corporate identity desired. Vertical louvers or a brise soleil and perforated aluminum sun controls provide a contemporary and striking visual first impression—adding texture, scaling and detail to the building. A new main public entrance is identified by a sculpture and structural elements that also provide a compositional balance to the louvered façade.

The vertical brise soleil was produced with 12- inch deep extruded aluminum airfoil blades and is supported by adjacent vertical columns. This prominent structure poses bold sight and shadow lines making a dramatic statement with the new façade that reflects the state-of-the-art satellite communications technologies produced within the facility. As a complement to the monumental vertical brise soleil, a horizontal band of sun controls incorporating 0.125" thick aluminum sheet with ½" diameter round holes spaced 11/16" on center in a staggered pattern are canted from tube steel supports to provide contrast, texture, scaling and further detail.

## That Works

The monumental vertical brise soleil shades and protects the entry to the manufacturing space. The perforated sun controls also yield thermal shading and manage glare imposed on the west-facing windows to advance the energy efficiency goals for the renovation. Tube steel structures frame each window opening and provide support for wind and snow-load forces that cannot be accommodated by the original wall construction. The louvers and sun controls were customized to accommodate the architect's unique design intent.

Airolite Rep	Building Location	Architect	General Contractor	Website	Case Study PDF
Kuester Sales Company Charlotte, NC	15 N Merrimon Avenue Asheville, NC	Fisher Architects, PA Asheville, NC	KCB Construction Asheville, NC		



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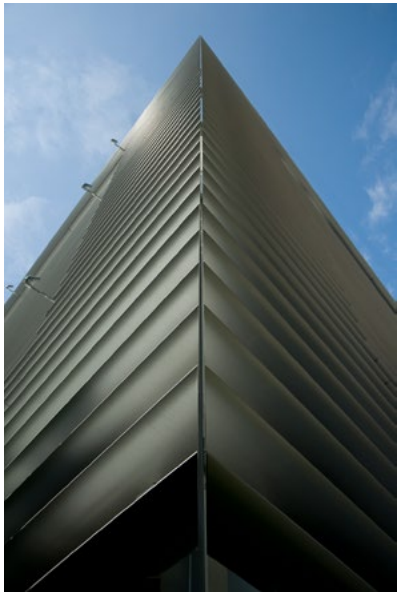
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# MIAMI BEACH CITY HALL PARKING GARAGE



## The Vision

This seven-story City Hall Parking Garage in Miami Beach, Florida was completed in 2009 as the final addition to the city's Civic Center Campus. It poses a stunning architectural statement while serving as a gateway to the city's historic Art Deco district. The 300,000 square foot facility includes 38,550 square feet of office space and connects to the city hall administration building via a pedestrian bridge. The garage also provides event parking for the nearby Miami Beach Convention Center and Lincoln Road Mall commercial center.

## The Airolite Look...



To enhance the appearance of what could have been a mundane concrete parking structure, the architect envisioned and designed a dynamic cladding system. A striking airfoil blade louver screen wall, engineered and manufactured by Airolite, serves as a visual barrier and encapsulates the poured concrete wall surfaces. The louver screen presents continuity and relief to the expansive north, east and south facades and complements the iconic images of the nearby Art Deco district. Selected screen segments are aligned and spaced to yield continuity whereas others are juxtaposed and misaligned to offer relief and interest. The aluminum airfoil screen wall is supported by a structural steel framework that tapers across three elevations to yield depth and further relief to the expansive walls. All aluminum elements are finished with a three-coat PPG Duranar Arcadia Silver UC70123FXL finish to resist corrosion in the salt-laden coastal setting.

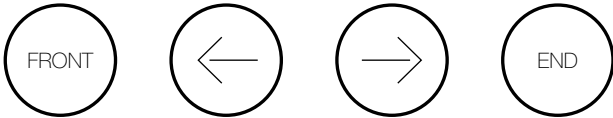
## That Works

The custom louver screen is comprised of a combination of 6- and 8-inch deep aluminum airfoil blades with both acute, obtuse, and 90° mitered corners to accommodate the tapered configuration of each elevation. Fully assembled, the screen is nearly 45-feet high and spans approximately 173-feet at the north elevation, 239-feet at the east elevation, and 178-feet at the south elevation. Blades and aluminum support members were produced in gross lengths to permit fitting to field conditions. The screen is designed to withstand wind forces up to 150-mph and an 82-psf in accordance with the Miami-Dade Building Code.

In addition, a custom 6-inch x 2-inch extruded aluminum tube trellis 216-feet long adorns the west side of the structure and provides a shaded walkway for pedestrians passing along Meridian Avenue. On the north side of the structure, two large linear bar grilles with a 4-inch x 4-inch x 2-inch grid provide ventilation and a decorative screen for a large utility closet. Three grille sections are fitted with hinges and door hardware to provide access to the enclosed space. Lastly, Airolite Louver Type K6746MD, a Miami-Dade Approved product, provides ventilation for two electrical vaults located at grade.

Jorge Gomez, assistant city manager for the City of Miami Beach, Florida, salutes the signature statement posed by the structure. "Most people appreciate the character and architectural interest we added to what would otherwise have been a plain parking structure," he says. "The Airolite louver screen wall helps to integrate the parking garage with the office space that fronts the street so that the whole structure looks like an office building."

Building Location	Architect	General Contractor	Website	Case Study PDF
1700 Convention Center Dr Miami Beach, FL	Perkins + Will Coral Gables, FL	Tower OHL Group Miami, FL		




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# UMASS AMHERST STUDIO ARTS BUILDING



### The Vision

The University of Massachusetts' beautiful \$26.5 million Studio Arts Building in Amherst, Massachusetts opened in September, 2008 creating plenty of inspiring instructional space for painting, printmaking, sculpture and ceramics. The new building also provides unique areas for individual and group studies, and for displaying student art projects.

The three-story, 47,000 square foot building is located at the entrance to the University's campus and was designed to make a dramatic visual statement about the institution's commitment to the creative arts. It also is one of the greenest buildings on campus with numerous sustainable features including operable windows for natural ventilation and well-managed natural lighting.

### The Airolite Look...

A massive and striking window wall projects approximately three feet from the front of the red brick facade and rises above the slanted roof line to create a massive atrium that serves as the principal architectural feature of the building. Large spans of Airolite vertical sun controls (approximately 5' wide by 10'-11' high) are employed inside each of the South, East and West facing window walls to pose muted horizontal sight lines and a depth of field behind the window system. Placing the sun controls inside the building also added an interesting depth perspective to the window wall. The sun controls were carefully produced in many different section sizes to fit in openings within the structural steel frame that supports the window system and stretch all the way to the sloped roof line. The sun controls were finished with a Kynar® 500 resin coating in a Bone White color to contribute further contrast and definition for the horizontal members.

The window wall allows abundant amounts of natural light to flood the atrium which is used for art exhibits and other public gatherings. From inside the atrium, the Airolite sun controls permit a clear view of the scenic campus and reduce glare for comfortable viewing of the art displays. The sun controls also contribute another impressive visual interior element to this distinctive space.

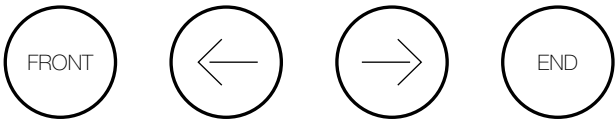
### That Works

Airolite's extruded aluminum airfoil blade sun controls were designed and manufactured in many factory-assembled section sizes and configurations to accommodate complex geometric transitions from roof to window wall at the East and West facades. Each section was produced to precise dimensional tolerances to fit within structural steel frames that support the curtain wall.

The Airolite sun controls also significantly reduce glare creating a diffused natural lighting that's ideal for viewing students' art projects. One of the most innovative and unique features designed into the Airolite sun controls was a hinge system which allows maintenance personnel to raise the sun control sections when window cleaning is required. At the building's dedication, University of Massachusetts Amherst Chancellor Robert C. Holub said, "The Studio Arts Building's handsome design makes for an outstanding landmark at the entrance to our campus, and it provides a setting that cultivates the creative spirit, talent and pursuit of excellence that is so evident among our faculty and students."



Building Location	Architect	Subcontractor	Website	Case Study PDF
110 Thatcher Road Amherst, MA	Gund Partnership Cambridge, MA	Daniel O'Connell's Sons, Inc. Holyoke, MA		



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# UMASS AMHERST RECREATION CENTER



## The Vision

The new, three-story, 120,000 square-foot Recreation Center at the University of Massachusetts Amherst opened in the fall of 2010. The beautiful, well-equipped structure includes weight and fitness training centers that span two levels; locker and shower facilities; an elevated jogging track; a dividable three-court gymnasium; three multipurpose rooms; a juice bar and lounge; and administrative offices.

The new recreation center is located along Commonwealth Avenue, one of the university's main thoroughfares, in a very prominent location. University officials wanted to make a statement with this building that recreation and wellness are a very important part of the campus and its mission.

## The Aiolite Look...



The exterior façade is composed primarily of red brick, wide expanses of glass and horizontal and vertical aluminum accents. The red brick provides a visual connection to the nearby Mullions Center and many other older buildings on campus. The extensive use of glass, fenestration, and metal panels throughout the façade signals the progressive intent of the building as a state-of-the-art fitness facility and the university's commitment to recreation and wellness as part of its mission.

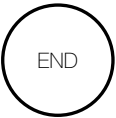
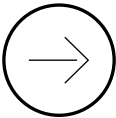
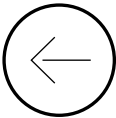
Aiolite extruded stationary Louver Type K666 was selected to crown each of the North, West and South facades at the clerestory level. The symmetry and narrow sight and shadow lines contributed by Louver Type K666 were deemed to be complementary to the adjacent metal panels and glazing. This single, uninterrupted, 430-foot long louver incorporates concealed vertical mullions to accommodate for thermal expansion throughout the long spans and poses no vertical sightlines to interrupt the viewer's observation. The louver incorporates welded 90-degree and 120-degree inside and outside mitered corners to match the profile of the building plan. Integral aluminum channel supports were incorporated in the louver assemblies to address wind design requirements and eliminate stack-joints from the 8-foot tall application. In addition, Louver Type K666 is utilized in two large louver areas that serve mechanical spaces at grade and at a louver screen wall that encloses mechanical equipment located on the roof. These installations demonstrate continuity with the same blade spacing, sight and shadowlines, and mitered corner configurations as the large louver that crowns the structure. All of the louvers were finished with a Class I clear finish for durability and to match adjacent fenestration and metal panels.

## That Works

The design team specified Aiolite's extruded stationary Louver Type K666 to be supplied in sections assembled entirely by welding for maximum durability and integrity. Field labor costs, mitigated by installation of factory-assembled louver sections, were further reduced by incorporating structural aluminum channels integral to each louver assembly which eliminated the installation of secondary steel or aluminum supports. Wind design and thermal expansion design analyses demonstrate the efficacy of the design, including perimeter attachments and fasteners.

To support energy efficiency, two-inch deep insulated blank-off panels are used extensively throughout each louver in areas that are not dedicated to intake or exhaust ventilation. Insulated panels were factory-assembled to the louver sections to minimize field labor costs and were sealed to produce an air, light and moisture barrier at the interface between louver and blank-off panel. The exterior surface of each insulated panel is finished with a black two-coat Kynar® 500 resin coating to prevent differentiation of active and inactive louver areas by the casual observer.

Building Location	Architect	General Contractor	Website	Case Study PDF
161 Commonwealth Avenue Amherst, MA	Sasaki Associates, Inc. Watertown, MA	Fontaine Brothers, Inc. Springfield, MA		



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# FIRST FEDERAL FINANCIAL CENTER



## The Vision

First Federal Financial Center, headquartered in Charleston, SC since 1934, opened a new regional financial center in Myrtle Beach, SC, on May 7, 2007. First Federal is one of South Carolina's three largest financial institutions. Its new Myrtle Beach office combines banking, insurance, investment and trust services in one beautiful new building.

The striking 23,000 square-foot building was designed to improve customer convenience, to enhance productivity by centralizing operations in one comfortable building, and to project a high quality image for one of South Carolina's leading financial companies.

## The Aiolite Look...

The signature feature noted as one approaches the contemporary three-story First Federal building is the prominent span of nonlinear Aiolite sun controls that project more than five feet from each of two upper floor levels. Adjacent walls feature sleek, linear Aiolite sun control configurations with mitered corners that yield continuous, uninterrupted sight and shadow lines.

Matching aluminum fascia elements were incorporated in both linear and non-linear sun controls to lend uniformity, continuity, and a trim, finished look. All of the aluminum sun controls were finished with an Akzo-Nobel® Trinar 70% Fluoropolymer (PVDF) coating formulated in a custom Classic Silver color to match the curtain wall and window systems.

## That Works

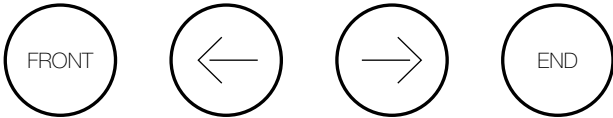
While the attractive Aiolite sun controls contribute substantially to the building's sleek contemporary appearance, they also serve several other critically important functions. The Myrtle Beach climate is dominated by intense sun, high temperatures and severe humidity from March through September. The sun controls, installed above the curtain wall and windows on the South-facing façade, provide critical shading from the sun's intensity. This helps mitigate energy transfer as well as manage glare in interior work spaces.

Thermal energy transmitted through glass and glazing systems can contribute to higher energy costs for the operation of air conditioning and ventilation systems. In addition, too-high concentrations of light, or glare, can create occupant discomfort and interfere with employee productivity, especially at computer work stations. Sun controls effectively contribute to the efficiency of the envelope design by balancing natural light and user requirements. Interior lighting controls can be used to dim or extinguish ambient lighting to further reduce energy use.

Aiolite's segmented sun control sections incorporating eight-inch extruded aluminum airfoil blades proved to be the perfect solution. The sun control sections are assembled entirely by welding and are supported by steel outriggers which provide the strength to withstand hurricanes and strong coastal winds. Coordination of the precise measurements required to produce 41 independent sun control sections (the largest section was approximately 10.5 feet wide) posed a formidable challenge. Aiolite ensured that each section matched its unique outrigger configurations, encapsulated exterior columns as required, and collectively achieved the dramatic radius appearance.

Each Aiolite sun control section arrived at the job site on time, sized to fit, and ready to install. Three years later, First Federal is proud of its attractive new regional financial center and pleased with the energy savings achieved through the effective use of Aiolite sun controls.

Aiolite Rep	Building Location	Architect	General Contractor	Website	Case Study PDF
Kuester Sales Company Charlotte, NC	4331 Robert Grissom Pkwy Myrtle Beach, SC	ESD Architecture Charlotte, NC	Hill Construction Charleston, SC		



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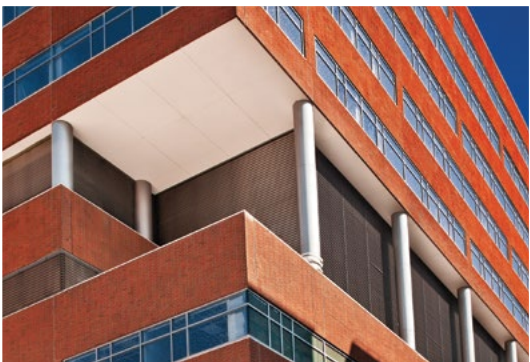
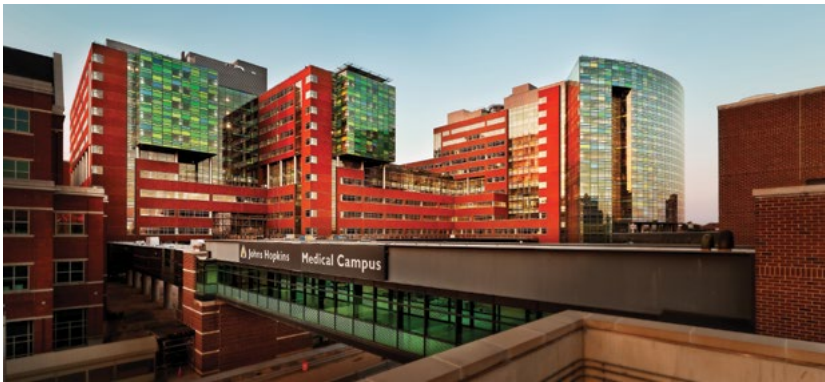

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# THE JOHNS HOPKINS MEDICAL CAMPUS



## The Vision

Johns Hopkins has been recognized for more than a century as a leader in patient care, medical research and teaching. Today, the expansive Johns Hopkins Medical Campus in Baltimore, MD includes the highly respected The Johns Hopkins Hospital, numerous research and educational buildings, and several outpatient and medical specialty clinics. The beautiful new 1.6 million-square-foot building, The Johns Hopkins Hospital features two connected 12-story towers, the Sheikh Zayed Tower for cardiovascular and critical care and the Charlotte R. Bloomberg Children's Center which houses a children's hospital. Due for complete occupancy by 2012, the building was designed to complement the look of existing medical campus buildings while making a strong statement about the long tradition and promising future of medicine that is practiced, taught and explored at this prestigious institution.

## The Airolite Look...

The new clinical building consists of two towers, each 12 stories high, that join together at the eighth floor. Although no louvers are visible from the south-facing front entrance of the building, the sides and rear of the facility contain over 21,000 square feet of louvers. In total, over \$1.5 million dollars worth of louvers were installed. Most of the louvers form a continuous sweeping span around the sixth floor. The sixth floor louver wall periodically rises up into the seventh floor and gently draws one's attention skyward toward the eighth floor where the twin towers come together. Airolite storm class louvers (Type SCH7), extruded aluminum stationary louvers (Type CB609) and (Type K 609) and extruded aluminum drainable louvers (CB638HP) were painted with a custom color-match Kynar® pearlescent pewter coating to match other aluminum materials in the building. The sleek, clean lines of the louver walls with concealed vertical mullions complement the building's impressive modern look. Six to seven inch louver blade depths add further interest to the building's exterior design.

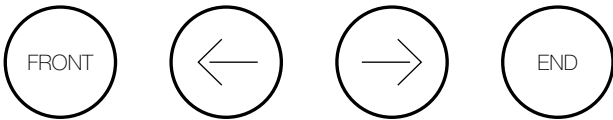
## That Works

In addition to looking great, the Airolite louvers designed for this building provide much needed intake air and exhaust ventilation while minimizing or preventing water penetration. The building's location on the East Coast makes it vulnerable to occasional hurricanes and high winds blowing in from the Atlantic Ocean. Water penetration was minimized at reasonable cost by using a combination of Airolite storm class, stationary and drainable louvers.

Airolite's Type SCH7 is a storm class combination louver designed and rated to provide high volume intake and exhaust ventilation and the greatest level of protection against water penetration. It was used on parts of the building with the greatest exposure to severe wind and rain off the coast. Airolite's extruded aluminum stationary louvers (Type K609/CB609) are designed for applications that require intake and exhaust ventilation with moderate protection against water penetration and were used in less vulnerable locations. Extruded aluminum drainable louvers (CB638HP) are drainable louvers designed to provide high volume air flow and resistance to water penetration. The louver incorporates a drainable head-frame to prevent water from cascading from shear-walls onto the louver assembly and becoming entrained in the intake air flow. In addition to the louver walls, Airolite provided penthouses with louvers to protect equipment on top of the building.

Dan Higdon, ISEC, Inc. supervised installation of the Airolite louvers and was very pleased with the staged delivery that took place over one year. "They pretty much came on schedule," he said. "At one point, they were coming faster than we could install them."

Building Location	Architect	General Contractor	Website	Case Study PDF
600 N. Wolfe Street Baltimore, MD	Perkins + Will Chicago, IL	ISEC, Inc. Mid Atlantic Region Columbia, MD		



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# KOLL AIRPORT PROFESSIONAL CENTER



## The Vision

The recently renovated Koll Airport Professional Center in Irvine, CA received a LEED Silver Certificate in 2009 from the U.S. Green Building Council for Core and Shell. In fact, the building is considered one of the nation's very first LEED-certified office condominiums. The remarkable transformation of a run-down, two-story, 63,225 square-foot office and warehouse into an eye-catching, single story, energy-efficient, 40,000 square foot office building is the subject of much admiration in Southern California. After removing the second story from the original building, the architects split the lower level into two almost completely separated buildings, added more windows for better daylighting and created two new inviting entryways that provide access to a wide variety of office spaces.

## The Airolite Look...

To unify the two new first floor buildings, and to maximize natural lighting, a dramatic canopy of 48 Airolite aluminum sun controls was designed and suspended over an employee plaza between the two wings. Each sun control is ten inches wide and over nine feet long. The sun controls were finished in clear anodize to reflect light into the offices while creating interesting patterns of sunlight and shade for employees and visitors who enjoy the outdoor plaza area during the day. The controls are especially dramatic in the evening when they emit a soft orange glow from exterior security lighting and the renowned California sunset. Four decorative exterior screens of Airolite louvers finished in Silversmith pearlescent Kynar® coating also were installed. The screens hide rooftop equipment and project nearly five feet above the first floor adding further interest and eye appeal to the office center.

## That Works

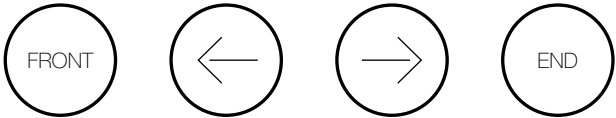
The striking Airolite sun shade canopy clearly communicates to visitors the primary entrances into all offices within the building. The sunshades help reduce energy costs by cutting the sun's penetrating heat while still supplementing the natural light the architect and developer wanted to achieve within the building. Airolite sunshades and louvers helped contribute to the accumulation of LEED credits by:

- improving energy efficiency,
- using extruded aluminum components generally consisting of 50% preconsumer material by weight, and
- being coated at a factory that emits zero volatile organic compounds (VOCs).

Installing the equipment screens on top of the building was made easier by fabricating them as single-unit, pre-assembled louver panels at the factory.

The owner of the building is very pleased with both the energy efficiency and increased business value they achieved on this project. "The Koll Airport Professional Center is an example of how we can creatively develop a sustainable, high performance building that, as a result of the green building features incorporated into the design, will operate at a lower cost to tenants," said Scott Meserve, development manager for The Koll Company. "While environmentally responsible development has more up-front costs, it is simply the right thing to do for our tenants and the environment."

Airolite Rep	Building Location	Architect	Website	Case Study PDF
Specialty Building Components Pico Rivera, CA	17862 Fitch Irvine, CA	LPA, Inc. Irvine, CA	Provance Roofing Services Murrietta, CA	 



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# THE ASHTON



## The Vision

The spectacular new Ashton luxury apartment tower is a \$96 million, 36-story multifamily development in the heart of downtown Austin, Texas. Ashton offers 259 luxury living units, including a seventh-floor pool deck and two-story penthouse level, as well as five levels of below-grade parking for an adjacent office tower and six levels of above-grade parking for residents. Overlooking Lady Bird Lake on one side and downtown on the other, Ashton is located in Austin's popular 2nd Street District with retail, dining and entertainment venues. At 36 stories, Ashton is now one of the tallest buildings in the city and makes a bold addition to the "New Austin" skyline. The project was initiated in August of 2006 and will be completed in October, 2009.

## The Airolite Look...

Constructing a secure, above-ground parking area potentially could have drawn attention away from the sleek, attractive lines of this contemporary high rise.



To create both a durable security barrier and an attractive sight screen that complemented the architectural vision for the entire building, Airolite Linear Bar grilles and Tetra grilles were selected. The Airolite grilles served as effective visual screens and yielded desired sight line cut-off largely as a function of the depth of the horizontal and vertical grille elements as well as the 45-degree rotation of the Tetra grille members.

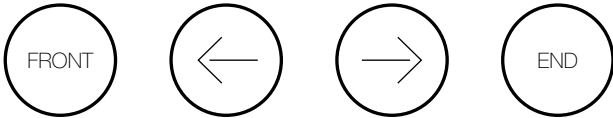
In addition, more than two thousand square feet of architectural and Storm Class™ louvers with architectural features such as mitered corners and blind-mounting attachments were furnished to complement the grilles and complete the façade. All of the architectural louvers and grilles were supplied with a Kynar 500® resin coating formulated in a custom metallic color to achieve maximum color uniformity and durability.

## That Works

Airolite's six-inch deep Linear Bar grilles and four-inch deep Tetra grilles were judged to yield optimum strength and durability for installations at or near grade and exposed to street level access. In addition, the welded construction of the grille assemblies was recognized to be an important contributor to the long-term durability and low-cost maintenance of the grille assemblies.

More than 16,000 square feet of Linear Bar grilles and Tetra grilles were utilized in this application, including structural members integral to the grille assemblies and required to support the large grilles. The custom color finish was supplied with an extended 20-year limited warranty to ensure maximum cost effectiveness to the owner.

Building Location	Architect	Website	Case Study PDF
101 Colorado Austin, TX	HKS, Inc. Dallas, TX		



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# CHANDLER-GILBERT COMMUNITY COLLEGE



## The Vision

Chandler-Gilbert Community College, Mesa, Arizona, serves more than 16,000 students at three different locations in the Southeast Valley of the Phoenix metropolitan area. The 753-acre Williams Campus was originally created from a portion of the former Williams Air Force Base and is in close proximity to Phoenix-Mesa Gateway Airport. In December, 2008, the college completed construction of Engel Hall, a spectacular new 20,778 square-foot nursing classroom and faculty office building and 6,000 square-foot covered outdoor plaza on the Williams Campus. The first floor of the facility houses student classrooms, laboratory spaces and lounge areas; the second floor houses faculty offices.

Engel Hall was developed as part of the Williams Education Research and Training Master Plan and with an administration directive to provide the college with a new standard of design and architectural materials for future expansion projects across the campus. Achieving maximum energy efficiency and indoor air comfort by minimizing the impact of the hot Arizona sun and a minimum LEED Gold Certification were key requirements of this project. Materials and products employed in the facility were selected based on their insulative value, their durability under extreme regional weather conditions, their visual and textural intrigue, their recycled content and their regional availability.

## The Airolite Look...

Architects positioned Engel Hall's building footprint and created exterior facades to establish a revitalized street presence to the adjacent avenue. The building's low-profile and sleek lines are visually integrated with the expansive horizon that surrounds the campus. Engel Hall's engaging but understated exterior immediately projects a progressive, contemporary image for the college and helps support the Master Plan's recommendation to create new space that "represents the place of this institution in its community."

A sweeping veil of Airolite sun controls spans the entire length and height of Engel Hall's second floor providing a very distinctive, visual intrigue to the building during daylight hours and a stunning presence when backlit from the interior at night. The stylish second floor wall of Airolite sun controls also provides a dramatic framed view of the Superstition Mountains for visitors standing in the outdoor plaza where graduation ceremonies, concerts, trade fairs and other campus events will be held. The sun controls' Kynar 500® Pearlescent Warm Silver finish matches the adjacent storefront and ceiling systems.

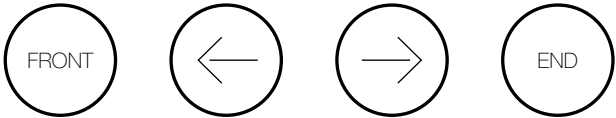
## That Works

Vital shading provided by the sun controls contribute to energy-efficient cooling and desired thermal comfort for faculty offices without obstructing interior views of the surrounding campus.

Six-inch Airolite airfoil blades form the continuous length and height of the second floor. Blades are arrayed horizontally at 6 inches on center with a solar orientation of 30 degrees and were delivered to the site in approximately 10 feet wide x 6 feet high factory-assembled sections. Each sun control section is secured to steel trusses which also support the overhanging second floor. In addition, the flexibility of the Airolite sun controls relative to solar orientation helped with the user's thermal comfort, and their recycled material content helped in achieving LEED Gold Certification.

Airolite's sun controls provided shade for the faculty offices, which in turn created a more pleasing visual environment and a more comfortable thermal environment for the users. The sun controls helped contribute to reduced solar heat gain which resulted in reduced cooling and energy consumption. "Airolite's architectural louvers provided a design element that subtly and successfully addressed the functional needs of the users, energy efficiency requirements of the building, and our own aesthetic goals as a design firm," stated Paul Goldammer, project manager for Gabor Lorant Architects, Inc.

Building Location	Architect	Website	Case Study PDF
2626 East Pecos Road Chandler, AZ	Gabor Lorant Architects, Inc. Phoenix, AZ		



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# UNIVERSITY OF COLORADO HOSPITAL



## The Vision

On February 2, 2004, the University of Colorado Hospital opened the beautiful new Anschutz Cancer Pavilion on the new Fitzsimons Campus located in Aurora, Colorado. Physicians, employees and patients participated in the design of the state-of-the-art \$148.8 million hospital, helping the architects achieve a functional, efficient building with spectacular views of the nearby Rocky Mountains. An important sustainability goal was to maximize the use of natural daylight, while using energy efficient controls to turn-off light fixtures in corridors and exterior areas during bright daylight hours. The reliance on natural daylight resulted in the design team's need to control glare and heat transmitted through glazing and window systems.

## The Airolite Look...

A massive curvilinear window system frames the western view of the mountains from the ambulatory care center. This ten-foot high wall of glass paints a constantly evolving image of the changing seasons evidenced in the roof garden and the majestic Rocky Mountain backdrop. At the same time, this large expanse of glass poses monumental challenges for maintaining energy efficiency. The height of the glass wall dictated a monumental horizontal sun control projection of more than eight and one-half feet to shade the windows to inhibit thermal heat transmittance and glare during peak daylight hours.

A complimentary sun control design with a comparatively modest maximum 4'-0" projection is utilized over windows in patient rooms located in the south-facing wall to support operation of the patient-operated environmental controls. A special fascia element maintains continuity of the horizontal linear configuration across the red masonry façade.

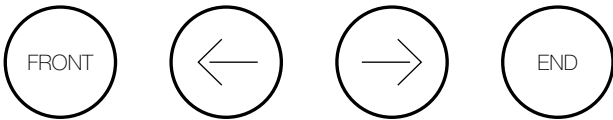
## That Works

Notwithstanding the use of extruded aluminum elements to reduce the weight of the eight and one-half foot sun control assemblies, the extended projection resulted in significant moment forces transferred to the structure by the sun controls. This problem was addressed by departing from the window supplier's standard frame, which was not designed to accommodate the substantial moment forces transferred by the sun control outrigger. Instead, a horizontal steel member was incorporated in the exterior wall design to address the loads transferred by the sun controls. The sun control outriggers are secured to the steel member with brackets which project through painted aluminum cladding. In addition, the maximum wind design forces required the use of diagonal stainless steel support rods to mitigate the moment forces transferred to the steel member located in the exterior wall design.

The designer elected to utilize vertical extruded aluminum tubes spaced six-inches on center to achieve crisp, uniform, and sharply defined sight lines for the sun control infill. The close center spacing of the vertical tube blades yield a sun cut-off angle that prevents sunlight from passing between the blades except at its maximum height. The hollow shape dissipates heat easily and is a rigid member that can accommodate the 5'-0" maximum span without difficulty. To alleviate the costly and cumbersome task of fabricating each tube blade to the constantly changing radius, the factory-assembled sun control sections were designed to be segmented about the curvilinear window configuration.

Surprisingly, only the fascia element is radiused to lend the perception that the entire sun control system is comprised of a series of non-linear segments. Lastly, selection of a white fluoropolymer coating enhances the sun control's capacity to deflect sunlight, head and glare from the windows below and through windows located above the sun control to enable diffused daylight to be projected across interior spaces.

Building Location	Architect	Website	Case Study PDF
12605 E 16th Avenue Aurora, CO	Perkins + Will Chicago, IL		



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# SPECK STREET PARKING GARAGE



## The Vision

Texas State University-San Marcos, founded in 1903, currently serves more than 28,000 students in 110 undergraduate and 96 graduate programs. Distinguished alumni include the 36th President of the United States, Lyndon B. Johnson. The main campus in San Marcos, Texas is situated on the edge of the beautiful Texas Hill Country. Construction of the university's Speck Street Parking Garage with 735 parking spaces was completed in August, 2008 and designed to address the urgent need for more student and special events parking. The facility is located at a principal campus entrance and borders a quiet residential neighborhood. The design team was challenged to develop a highly-attractive façade that concealed parked cars, supported the Spanish Colonial architecture utilized throughout the campus, and met the mechanical ventilation requirements for the enclosed parking structure.

## The Aiolite Look...

An innovative combination of more than 13,000 square feet of Aiolite Matrix Grilles and Sansome Grilles installed in each of the parking structure's facades and towers successfully addressed both the aesthetic and functional goals of the project. Aiolite's Matrix Grilles with fourinch channel frames were configured to replicate the original design concept which called for the use of light bronze anodized aluminum wire mesh grilles arranged in geometric patterns. In addition to breaking up the long brick veneer facades in the parking structure, the Matrix Grilles enhanced the overall building appearance by adding multiple reliefs and depth to yield the desired sightline cut-off, while still yielding the free area required to support static ventilation of the enclosed parking structure. To precisely match the color of the light bronze anodizing, the Matrix Grilles were coated with durable Kynar 500® Lindie Bronze coating.



Aiolite also helped enhance the project by utilizing a custom Sansome Grille configuration to showcase the university's signature logo, the Rising Star of Texas. Aiolite's Sansome Grilles can be manufactured in any geometric configuration, whether simple or complex, and can also be reproduced to exacting detail with multiple reveals.

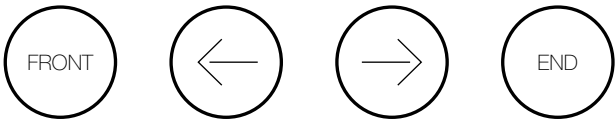
## That Works

Aiolite custom architectural grilles provided a truly unique, resourceful and signature appearance to support the integration of this structure into the campus and residential environments. The combination of Aiolite's Matrix and Sansome Grilles clearly embraced the original design intent, but also added a welcomed dimension of "depth" and "university spirit" to the original design while supporting perimeter security.

Aiolite's architectural grilles exceeded the original "sightproof" requirements by significantly concealing parked and moving vehicles from view. Aiolite's grille design and water-cut spandrel patterns helped to create an overall design for the parking garage that is in character with the Spanish Colonial campus design standards to the delight of nearby residential neighbors.

Case in point - the architect and contractor were walking along the sidewalk next to the parking garage during an inspection when a driver in a passing car pulled over and said, "I just want to tell you that this is one of the nicest looking parking garages I have ever seen! My hat's off to you!"

Building Location	Architect	Website	Case Study PDF
Texas State University San Marcos, TX	Leo A Daly Houston, TX		



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# LITERATURE & SUPPORT MATERIAL

## LITERATURE



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ARCHITECTURAL LOUVERS



SUN CONTROLS



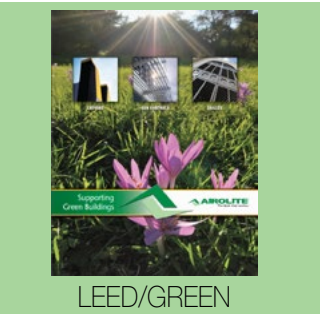
GRILLES & SCREENS



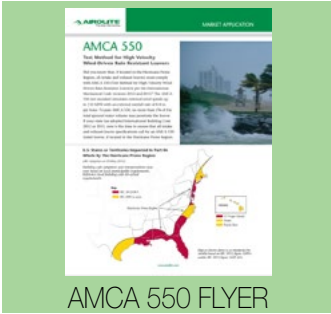
FINISH & COLOR



AIROWOOD FINISH



LEED/GREEN



AMCA 550 FLYER



DATA CENTER FLYER



WAREHOUSE FLYER



AFG501 FEMA FLYER



T6796 LOUVER FLYER

## INSTALLATION GUIDES



STATIONARY LOUVERS

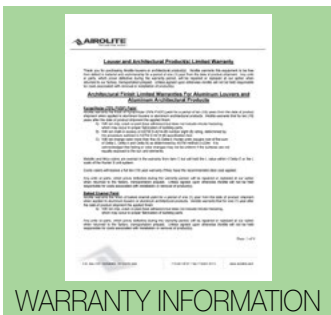


ADJUSTABLE LOUVERS

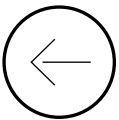


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