ESM-4LS-H

WIND DRIVEN RAIN & IMPACT LOUVER (PENDING)
HIGH PERFORMANCE LOUVER
STATIONARY LOUVER

Louvers & Screens

APPLICATION

ESM-4LS-H is an extruded aluminum sightproof stationary louver system designed to protect air intake and exhaust openings in building exterior walls. The louver system will be AMCA 540 and AMCA 500-L rated. Louver system shall only be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/waterproof equipment, components or supplies.

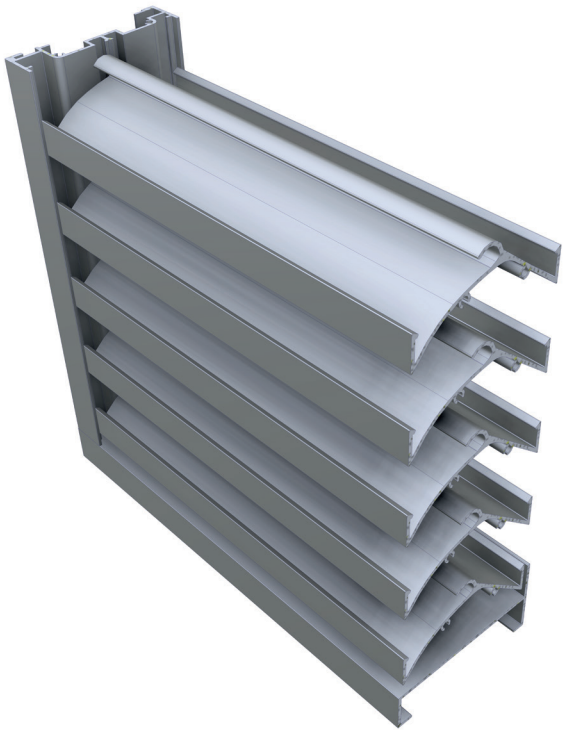
System is pending to be tested and qualified per Florida test protocols: TAS 201 (LargeMissile Impact), TAS 202 (Loads) and TAS 203 (Cyclic Wind Loading).Designed and tested to comply with the requirements of the 8th Edition Florida Building Code (2023) including High Velocity Hurricane Zone (HVHZ).

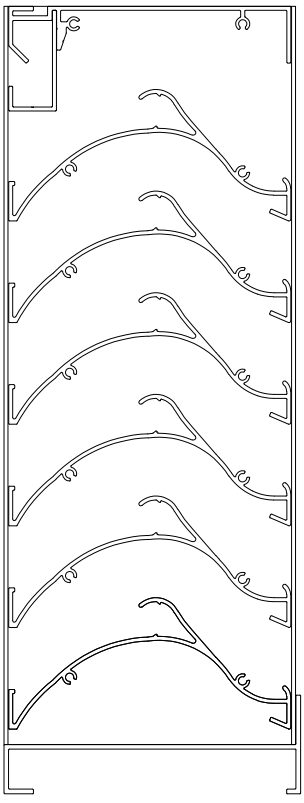
STANDARD CONSTRUCTION

MATERIAL	6063-T6 extruded aluminum
FRAME	The frame is 4" deep 0.081" nominal wall thickness
BLADES	0.081" nominal wall thickness. The distance between centers is 2" Double drainable
MAXIMUM LOUVER SIZE	Dimensions: 1. 120"w x 60"h 2. 60"w x 120"h Single section Area: 50sqft Louvers exceeding maximum single section will be built in multiple sections
MINIMUM LOUVER SIZE	Dimensions: 12"w x 12" h
APPROX. WEIGHT	5,08 lb/ft^2

FEATURES

- High performance
- High Free Area: 51%
- AMCA 540/500L (Pending)
- TAS 201, TAS 202 and TAS 203 (Pending)
- Florida Building Code Approval (Pending)
- Hurricane Resistant (Pending)
- Stainless Steel Hardware
- 150 psf max design pressure
- Corrosion resistant
- Durability and low maintenance



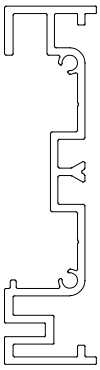


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FRAME



JAMB

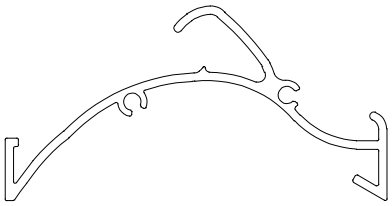


SILL



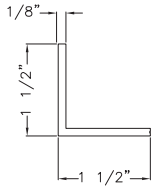
HEAD

BLADE

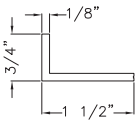


BLADE

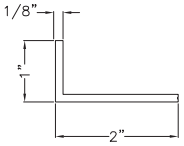
INSTALLATION ANGLES



ALU-A-019



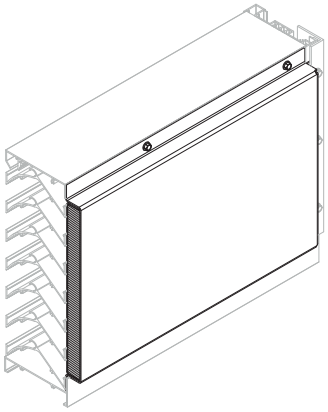
ESM-081



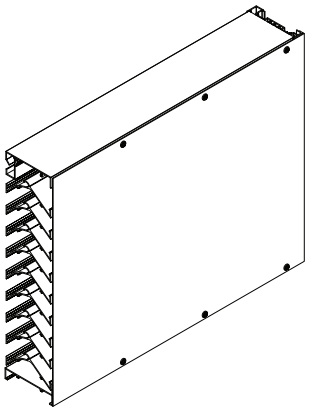
ALU-A-002

OPTIONAL ACCESSORIES

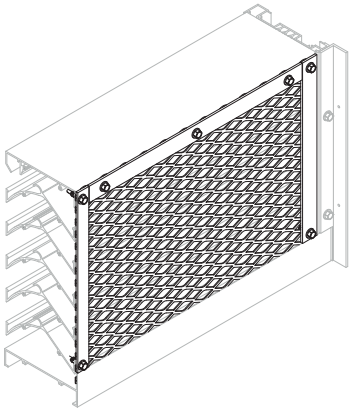
Options available at additional cost include:



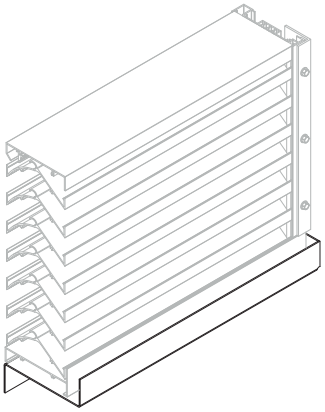
INSULATED BLANK OFF
(INTERNAL VIEW)



BACK PAN
(INTERNAL VIEW)



BIRD/INSECT SCREEN
(INTERNAL VIEW)



SILL PAN LOUVER
(INTERNAL VIEW)

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FREE AREA CHART (Free area chart shows free area in %)

ESM-4LS-H LOUVER SYSTEM OPEN AREA %

UNIT HEIGHT \ UNIT WIDTH	12''	24''	36''	48''	60''	72''	84''	96''	108''	120''
12''	37 %	41 %	42 %	43 %	43 %	43 %	43 %	43 %	43 %	43 %
24''	43 %	48 %	49 %	50 %	50 %	50 %	50 %	50 %	50 %	51 %
36''	45 %	50 %	51 %	52 %	53 %	52 %	52 %	53 %	53 %	53 %
48''	46 %	51 %	53 %	53 %	54 %	53 %	53 %	54 %	54 %	54 %
60''	47 %	52 %	53 %	54 %	55 %	54 %	54 %	54 %	55 %	55 %
72''	47 %	52 %	54 %	55 %	55 %	54 %	55 %	55 %	55 %	55 %
84''	48 %	53 %	54 %	55 %	55 %	55 %	55 %	55 %	55 %	56 %
96''	48 %	53 %	54 %	55 %	56 %	55 %	55 %	55 %	56 %	56 %
108''	48 %	53 %	55 %	55 %	56 %	55 %	55 %	56 %	56 %	56 %
120''	48 %	53 %	55 %	56 %	56 %	55 %	56 %	56 %	56 %	56 %

ESM-4LS-H LOUVER SYSTEM FREE AREA SQFT

UNIT HEIGHT \ UNIT WIDTH	12''	24''	36''	48''	60''	72''	84''	96''	108''	120''
12''	0,37	0,82	1,27	1,72	2,16	2,56	3,00	3,45	3,90	4,35
24''	0,87	1,91	2,95	3,99	5,03	5,95	6,99	8,03	9,07	10,11
36''	1,36	3,00	4,63	6,27	7,90	9,33	10,97	12,61	14,24	15,88
48''	1,86	4,09	6,32	8,54	10,77	12,72	14,95	17,18	19,41	21,64
60''	2,35	5,18	8,00	10,82	13,64	16,11	18,94	21,76	24,58	27,40
72''	2,85	6,26	9,68	13,10	16,51	19,50	22,92	26,34	29,75	33,17
84''	3,34	7,35	11,36	15,37	19,38	22,89	26,90	30,91	34,92	38,93
96''	3,84	8,44	13,04	17,65	22,25	26,28	30,88	35,49	40,09	44,70
108''	4,33	9,53	14,73	19,92	25,12	29,67	34,87	40,06	45,26	50,46
120''	4,83	10,62	16,41	22,20	27,99	33,06	38,85	44,64	50,43	56,22

FINISHES

ES METALS standard colors are the following: Two coats: Primer and color coat:

E|S METALS

	Bone White	Black	Arcadia Silver	Silverstorm	Bermuda Bronze
AAMA2605	UC43350	UC40577	UC70123F	UC106685F	UC105262
AAMA2604	UC141202	UC130902	UC143459	UC139554	UC143010

Note: Contact us for more custom colors.

+1 (305) 213 2985 contact@es-metals.com www.es-metals.com