EME6625D

Wind-Driven Rain Resistant Stationary Louver

Miami-Dade Approved, Florida Notice of Acceptance Number: 22-0203.04 (Expires 1/28/2027)

RUSKIN
AUTHORITY IN AIR CONTROL

APPLICATION

The EME6625D is a 6" deep extruded aluminum louver with closely spaced vertical blades that prevent the penetration of wind-driven rain. This louver is designed with exceptional protection against wind-driven rain under severe conditions with Miami-Dade Approval.

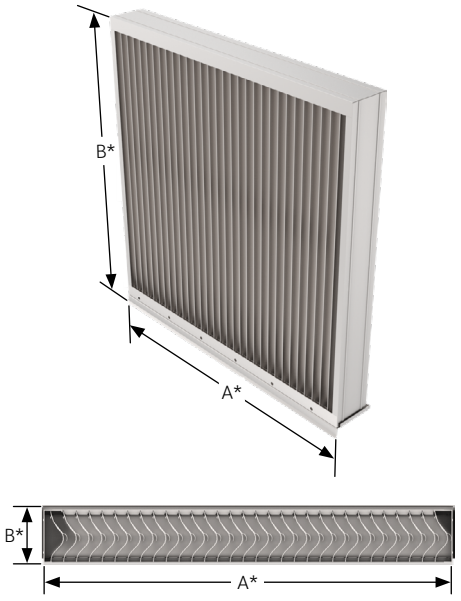
STANDARD CONSTRUCTION

Frame	6"(152) deep, 6063T6 extruded aluminum with .095" (2.4) nominal wall thickness.
Blade	6063T6 extruded aluminum 0.080 (2.0) nominal wall thickness. Blades are mounted vertically.
Bird Screen	1/2" x .063" (13 x 1.6) square mesh aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305).
Approximate Shipping Weight	12 lbs. per sq. ft. (58.6 kg/m^2).
Maximum Shipping Section Size	48"w x 96"h (1219 x 2438).
Maximum Overall Assembly Size	Unlimited width x 96"h (2438) with or without damper. Overall assembly consists of individual sections combined in the field (combination of sections in the field not by Ruskin).
Installation	The EME6625D must be installed per the appropriate Installation Detail. Reference the appropriate separate Installation Instruction Sheets.

Consult Ruskin for additional information.

FEATURES

- 38% Free Area
- AMCA 540 and AMCA 550 Listed for windborne debris and high velocity rain
- Large missile impact resistant per Miami-Dade TAS-201 test protocol
- Maximum windload with and without damper +/- 160 PSF (7.66 KPa)
- Published free area and pressure drop
- Miami Dade NOA #22-0203.04
- Performance ratings based on testing in accordance with AMCA Publication 500-L



Front (Plan View)

amca INTERNATIONAL LISTED
HIGH VELOCITY RAIN RESISTANT WITH BLADES FULLY OPEN AND IMPACT RESISTANT LOUVER
Enhanced Protection Level E
See www.AMCA.org for all certified or listed products
This listed does not signify AMCA's airflow performance certification.

amca WORLDWIDE CERTIFIED RATINGS
AIR PERFORMANCE
WIND DRIVEN RAIN
AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC.

VARIATIONS

- Filter racks
- Shapes
- Varies installation methods based on wall type and thickness
- Blankoff Configurations
- Security Bars
- A variety of bird and insect screens
- Selection of finishes: prime coat, 50% PVDF (modified fluoropolymer), epoxy, Pearledize, 70% PVDF, clear and color anodize. (Some variation in anodize color consistency is possible)

Consult Ruskin for other special requirements.

NOTE:
- Dimensions in inches, parenthesis ( ) indicate millimeters.
- Units can be furnished actual size or with size deducts.

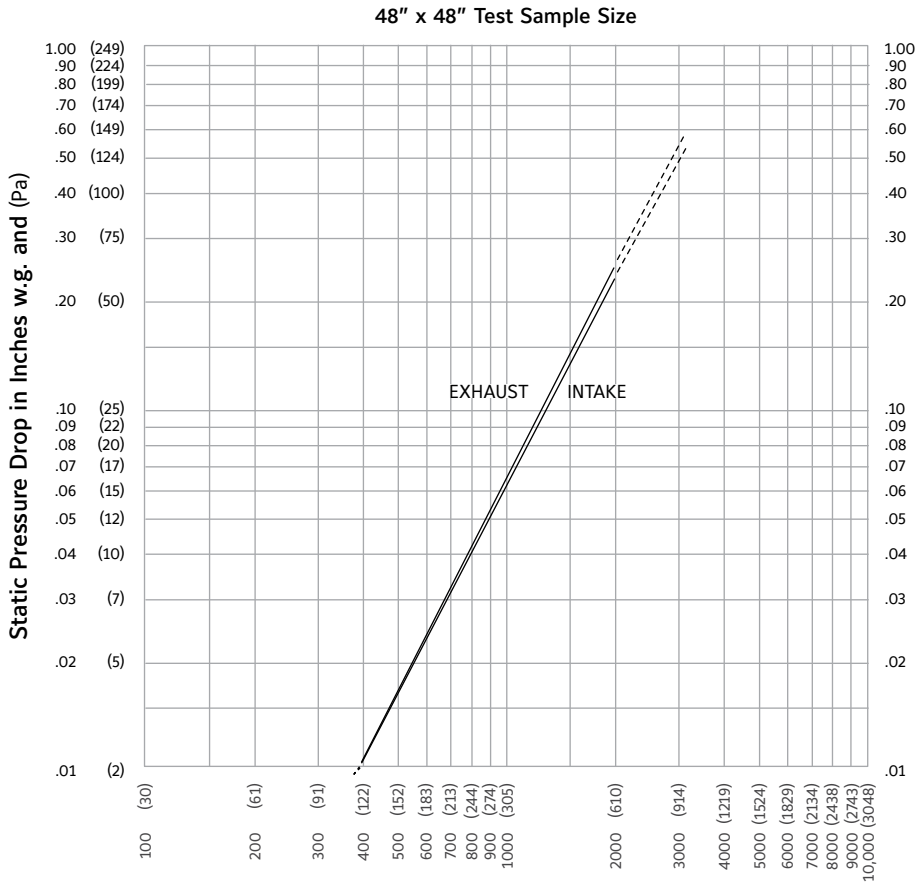
FREE AREA GUIDE

Free Area Guide shows free area in ft^2 and m^2 for various sizes of EME6625D.

Width – Inches and Meters

Height – Inches and Meters	**12** 0.30	**18** 0.45	**24** 0.60	**30** 0.75	**36** 0.90	**42** 1.05	**48** 1.20
12 0.30	**0.08** 0.01	**0.14** 0.01	**0.20** 0.02	**0.26** 0.02	**0.33** 0.03	**0.39** 0.04	**0.45** 0.04
18 0.45	**0.26** 0.02	**0.45** 0.04	**0.63** 0.06	**0.82** 0.08	**1.00** 0.09	**1.19** 0.11	**1.38** 0.13
24 0.60	**0.44** 0.04	**0.75** 0.07	**1.06** 0.10	**1.37** 0.13	**1.68** 0.16	**1.99** 0.19	**2.30** 0.21
30 0.75	**0.61** 0.06	**1.05** 0.09	**1.49** 0.12	**1.92** 0.15	**2.36** 0.18	**2.80** 0.21	**3.23** 0.24
36 0.90	**0.79** 0.07	**1.35** 0.13	**1.91** 0.18	**2.48** 0.23	**3.04** 0.28	**3.60** 0.33	**4.16** 0.39
42 1.05	**0.96** 0.09	**1.65** 0.15	**2.34** 0.22	**3.03** 0.28	**3.72** 0.35	**4.41** 0.41	**5.09** 0.47
48 1.20	**1.14** 0.11	**1.95** 0.18	**2.77** 0.26	**3.58** 0.33	**4.40** 0.41	**5.21** 0.48	**6.02** 0.56
54 1.35	**1.32** 0.12	**2.25** 0.21	**3.19** 0.30	**4.13** 0.38	**5.07** 0.47	**6.01** 0.56	**6.95** 0.65
60 1.50	**1.49** 0.14	**2.56** 0.24	**3.62** 0.34	**4.69** 0.44	**5.75** 0.53	**6.82** 0.63	**7.88** 0.73
66 1.65	**1.67** 0.16	**2.86** 0.27	**4.05** 0.38	**5.24** 0.49	**6.43** 0.60	**7.62** 0.71	**8.81** 0.82
72 1.80	**1.84** 0.17	**3.16** 0.29	**4.48** 0.42	**5.79** 0.54	**7.11** 0.66	**8.43** 0.78	**9.74** 0.91
78 1.95	**2.02** 0.19	**3.46** 0.32	**4.90** 0.46	**6.35** 0.59	**7.79** 0.72	**9.23** 0.86	**10.67** 0.99
84 2.10	**2.19** 0.20	**3.76** 0.35	**5.33** 0.50	**6.90** 0.64	**8.47** 0.79	**10.03** 0.93	**11.60** 1.08
90 2.25	**2.37** 0.22	**4.06** 0.38	**5.76** 0.54	**7.45** 0.69	**9.14** 0.85	**10.84** 1.01	**12.53** 1.17
96 2.40	**2.55** 0.24	**4.37** 0.41	**6.18** 0.58	**8.00** 0.74	**9.82** 0.91	**11.64** 1.08	**13.46** 1.25

PRESSURE DROP



(Data corrected to standard air density and AMCA figure tested to 5.5)

Ratings do not include the effect of a bird screen.

WIND-DRIVEN RAIN PERFORMANCE - AMCA 500-L WIND-DRIVEN RAIN TEST

Test size is 1m x 1m (39" x 39") core area, 1.05m x 1.08m (41 1/4" x 42 5/16") nominal. Free Area of test louver is 4.04 ft² (.38m²).

Wind Velocity mph (kph)	Rainfall Rate In./hr. (mm/hr.)	Core Velocity$_1$ fpm (m/s)	Airflow cfm (m³/min)	Free Area Velocity$_2$ fpm (m/sec.)	Effectiveness Ratio	Class$_{3,4}$
29 (46.4)	3 (76)	992 (5)	10,685 (303)	2645 (13.4)	100%	A
50 (80.5)	8 (203)	962 (5)	10,418 (295)	2579 (13.1)	100%	A

NOTE:

1. Core area is the open area of the louver face (face area less louver frames). Core Velocity is the airflow velocity through the Core Area of the louver (1m x 1m). 5m/s is the maximum core velocity utilized in this test.
2. Free Area of test size is calculated per AMCA standard 500-L.
3. Wind Driven Rain Penetration Classes:

Class	Effectiveness
A	1 to .99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8

4. The EME6625D provides Class A performance at all velocities up to and including 5 m/s core velocity.

Ruskin Com pany certifies that the louver shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Rat ings Program. The AMCA Certified Rat ings Seal applies to air performance ratings, water penetration ratings and wind driven rain ratings only.

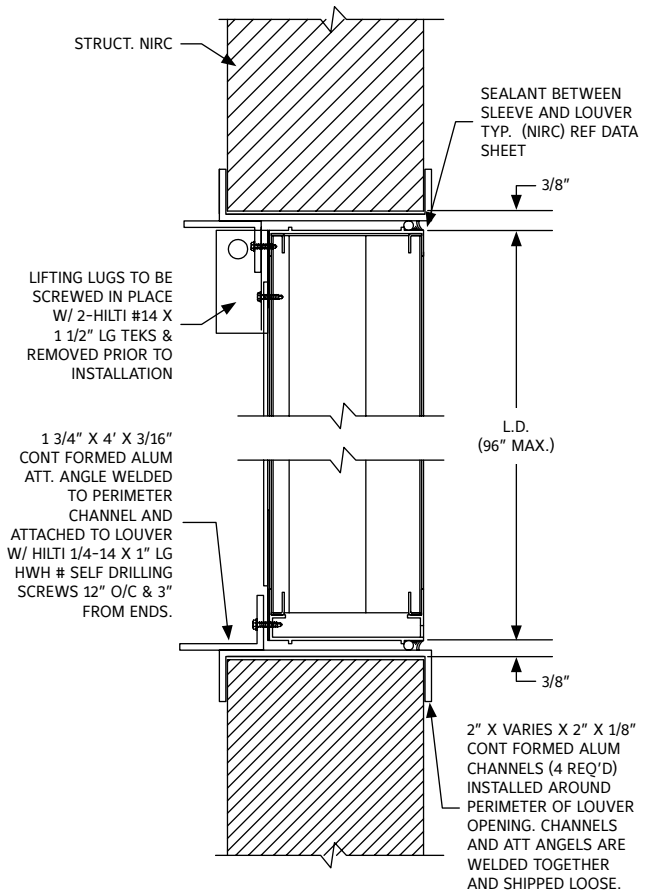
HIGH VELOCITY RAIN RESISTANT WITH BLADES FULLY OPEN AND IMPACT RESISTANT LOUVER *Enhanced Protection Level E*

Ruskin certifies that the EME6625D shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Listing Label Program.

The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers.

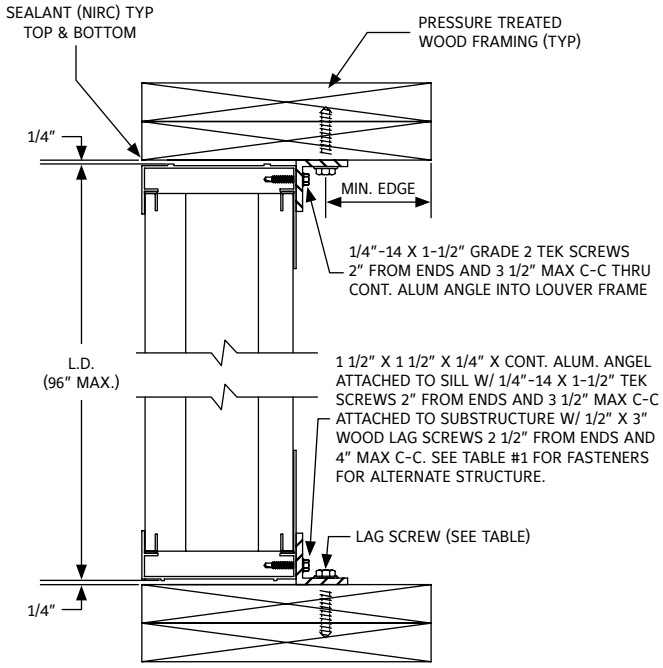
The AMCA Listing Label applies to High Velocity Rain Resistant Louver Louvers.

CONSTRUCTION INFORMATION

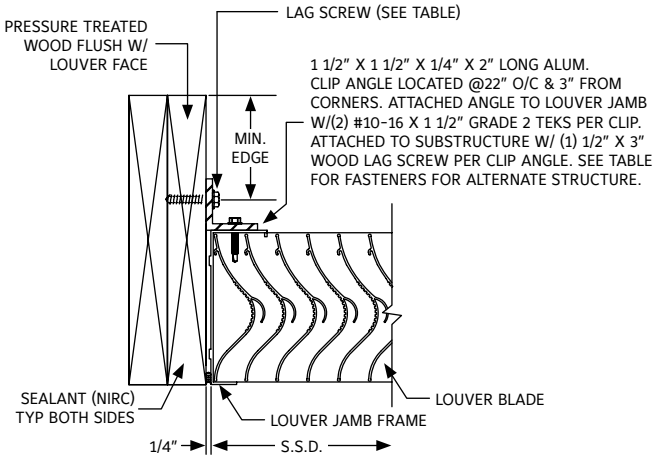


1 / - HEAD AND SILL DETAIL-INSTALLATION CHANNEL (JAMB SIMILAR)
N.T.S

NOTE:
ALL FASTENERS MUST BE INSTALLED PER THE MANUFACTURER'S FLORIDA/DADE COUNTY APPROVED INSTALLATION INSTRUCTIONS.



2 / - HEAD AND SILL DETAIL WOOD & CONCRETE SUBSTRATE
N.T.S

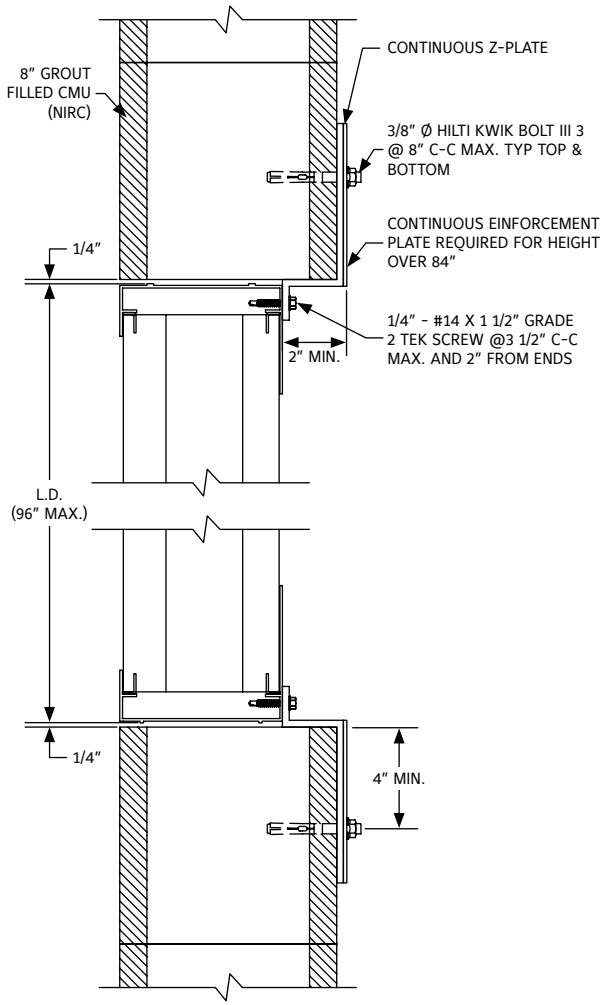


3 / - JAMB DETAIL WOOD AND CONCRETE SUBSTRATE
N.T.S

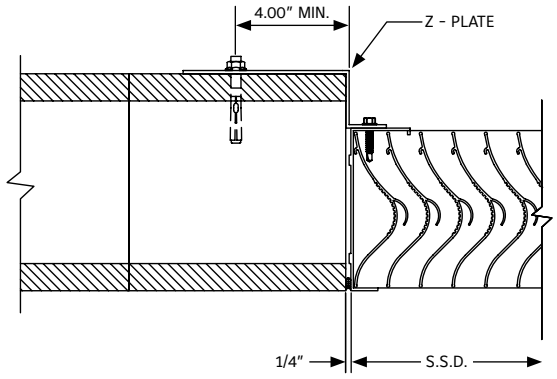
TABLE #1: APPROVED ATTACHMENTS

MIN. SUPPORT MAT'L	TYPE CONNECTION	MAX SPACING	MIN EMBEDMENT	MIN EDGE
(12 GA MIN) STEEL	1/4"-20 BOLT W/NUT A307 GRADE A OR 1/4"-14 SELF DRILLING SCREW	6" C-C MAX	N/A	1/2"
(4" MIN) CONCRETE	3/8" HILTI KWIK	7 1/2" C-C MAX	2 1/2"	2 1/2"
(8" CMU) GROUT FILLED MASONRY	3/8" HILTI KWIK	7 1/2" C-C MAX	1 5/8"	4"
(2 - 2 X 10) WOOD	3/8" x 2 1/2" A307 LAG SCREW	7 1/2" C-C MAX	2 1/4"	1 1/2"

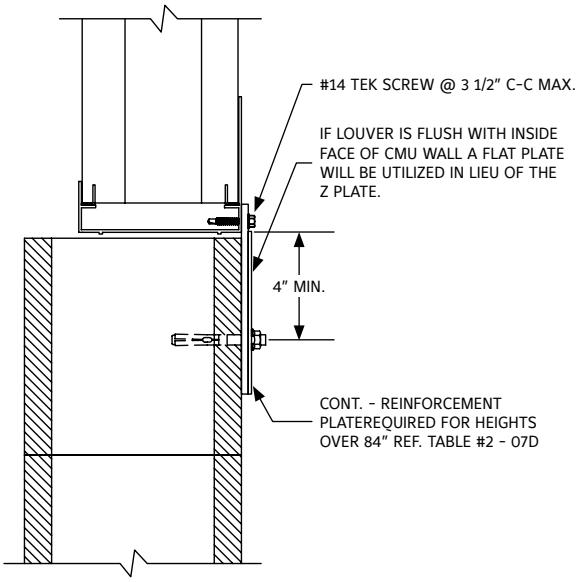
CONSTRUCTION INFORMATION



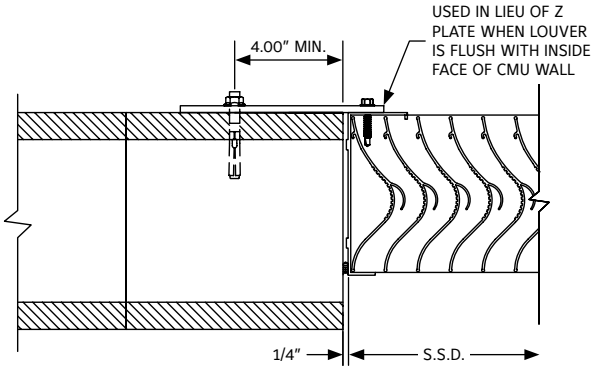
4 – HEAD & SILL DETAIL GROUT FILLED CMU (FRONT FLUSH)
N.T.S



5 – JAMB DETAILS: GROUT FILLED CMU (FRONT FLUSH)
N.T.S

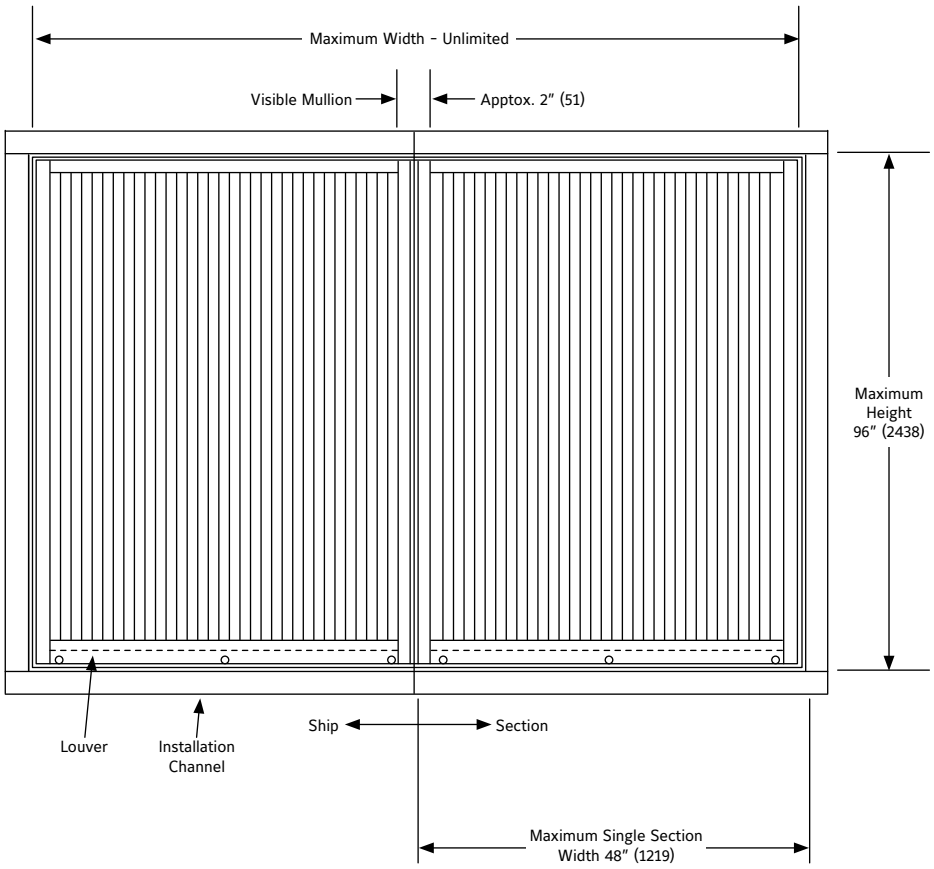


7 – SILL DETAILS GROUT FILLED CMU (REAR FLUSH) (HEAD SIMILAR)
N.T.S



6 – JAMB DETAIL GROUT FILLED CMU (REAR FLUSH)
N.T.S

CONSTRUCTION INFORMATION



General notes:

1. Reference separate Installation Instruction sheets (with and without optional damper) for installation details. The installation methods indicated must be complied with for Miami-Dade Approval. It is the responsibility of the installing contractor to properly install the louvers per the appropriate detail.
2. On special orders, Ruskin may provide submittal and/or shop drawings. Reference these drawings for additional installation information.
3. Louvers wider than the maximum single section width will be shipped in multiple sections and will require field assembly. Field assembly is not by Ruskin.
4. Installation channels are shipped loose.

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall possess stationary vertical blades designed to prevent the penetration of wind driven rain. Louver blades shall be contained within a 6" (152) frame. Extended sill shall be provided to capture and drain water to exterior of building. Louver components (heads, jambs, sill and blades) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate visible mullions on units larger than 48" x 96" (1219 x 2438).

Louvers shall be Ruskin Model EME6625D extruded 6063T6 aluminum alloy construction as follows:

Material

Frame:	0.095" (2.4) wall thickness, caulking surfaces provided.
Blades:	.080" (2.0) nominal wall thickness. Blades are mounted vertically.
Extended Sill:	0.063" (2.1) wall thickness with upturned side panels to prevent water leakage.
Screen:	1/2" X 0.063" (13 X 1.6) Square mesh aluminum bird screen.
Finish:	Select finish specification from Ruskin Finishes Brochure.

Structural Design

Integral structural supports shall be designed and furnished by the louver manufacturer to carry a wind load of not less than +/-160 PSF (7.66 KPa).

LINKS TO IMPORTANT DOCUMENTS

Document Title
Paint Finishes and Color Guide
Limited Warranty Document

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AUTHORITY IN AIR CONTROL

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