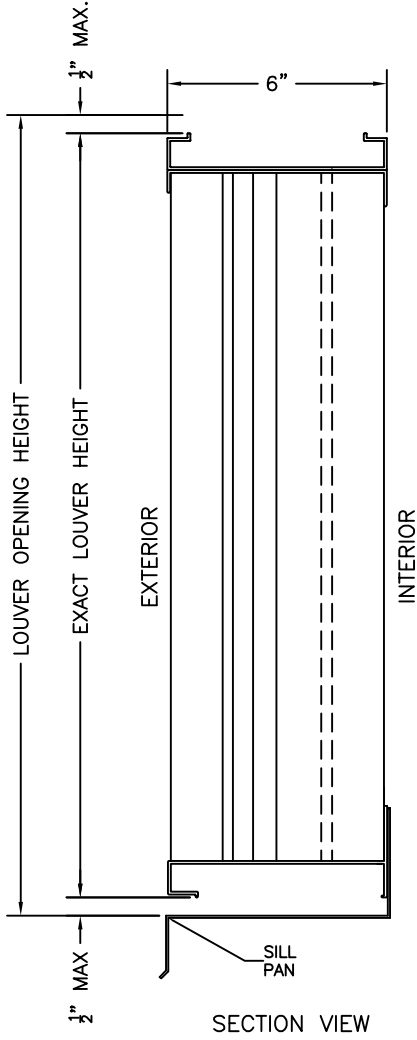


EXTRUDED ALUMINUM, 6" DEEP, VERTICAL SIGHTPROOF BLADES,
DADE COUNTY APPROVED TO DESIGN PRESSURES UP TO +/- 150 PSF

MODEL LE-68
STANDARD SPECIFICATION



FRAME: 6" DEEP EXTRUDED ALUMINUM ALLOY; HEAD AND SILL .125 6063-T6; JAMBS .080 6063-T5.

BLADES: .081" THICK 6063-T6 EXTRUDED ALUMINUM ALLOY.

SILL PAN: .060 THICK FORMED ALUMINUM.

FINISH: MILL.

SCREEN: 1/2" REMOVABLE ALUMINUM BIRD SCREEN, LOCATED ON INTERIOR.

MIN. PANEL SIZE: 18" WIDE X 18" HIGH.

MAX. PANEL SIZE: PANEL WIDTH NOT TO EXCEED 96", PANEL HEIGHT NOT TO EXCEED 96", PANEL SQUARE FOOTAGE NOT TO EXCEED 32 SQ.FT. UNLIMITED ASSEMBLY WIDTH UTILIZING STD. VISIBLE OR OPTIONAL CONCEALED MULLIONS, ASSEMBLY HEIGHT LIMITED TO A SINGLE PANEL. CONSULT FACTORY FOR OPENINGS GREATER THEN 96" HIGH.

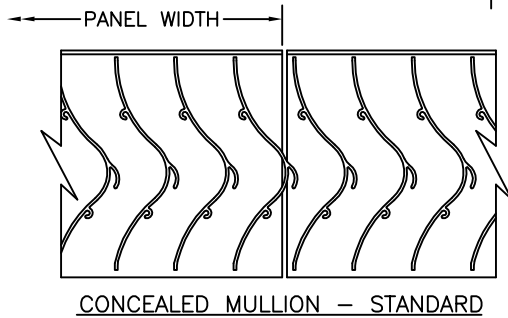
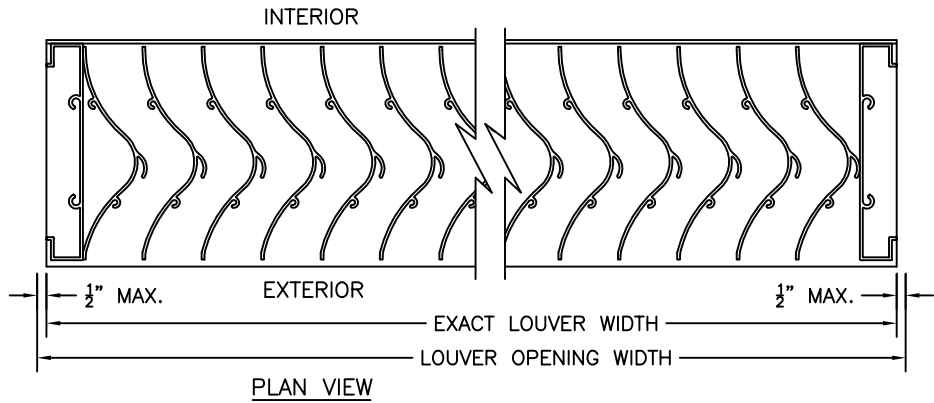
DIMENSIONS: "A" (WIDTH) AND "B" (HEIGHT) ARE OPENING SIZES; LOUVERS ARE MADE 1" UNDERSIZED.

TESTING: IN ACCORDANCE WITH DADE COUNTY TEST PROTOCOLS TAS-201, TAS-202, AND TAS-203 FOR STRUCTURAL INTEGRITY.
IN ACCORDANCE WITH (TAS)-100(A)-95 FOR HIGH-VELOCITY HURRICANE ZONES

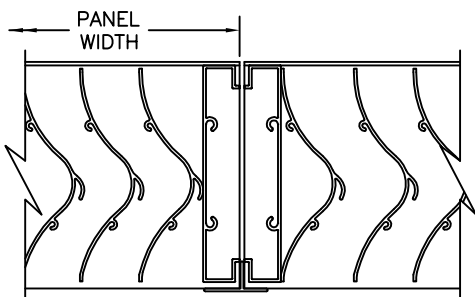
SUBSTRATES: QUALIFIED SUBSTRATES ARE STEEL, 3,000-PSI CONCRETE, OR SOUTHERN PINE

RATINGS: LOUVERS ARE QUALIFIED FOR "ENHANCED PROTECTION" FOR ESSENTIAL FACILITIES APPLICATIONS VIA THE SUCCESSFUL TESTING OF THE LARGE MISSILE IMPACT TEST (AT 80 F/S) AND CYCLIC LOAD TESTS AS SPECIFIED BY ASTM 1886/1996.

DADE COUNTY NOA NO: 14-0423.23



CONCEALED MULLION - STANDARD



VISIBLE MULLION - OPTIONAL



American Warming and Ventilating certifies that the model LE-68 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 Ratings Program. The AMCA Certified Ratings Seal applies to air performance and wind driven rain ratings.

awv american warming and ventilating

A MESTEK COMPANY

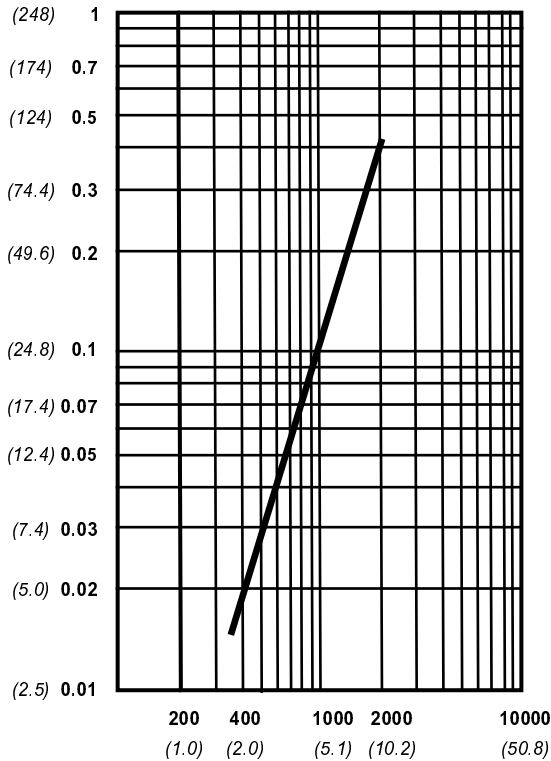
7301 INTERNATIONAL DRIVE HOLLAND, OHIO
Phone (419) 865-5000 Fax (419) 865-1375

LE-68 STATIONARY LOUVER

DRN. BY	ESS	DWG. NO.	LE-68	REV.
DATE	7/11/14			

Pressure Drop : 0.164 in wg (40.6 Pa.) at 1250 fpm (6.35 m/s) and 9813 scfm (4.63 scm/s)
Free Area : 7.30 sq ft (0.678 sq m) = 46.1% for 48" x 48" (1.22m x 1.22m) test size
Missile Impact : "Enhanced Protection" Rated at 55 mph (80 m/s) per ASTM 1886/1996

INTAKE PRESSURE DROP



VELOCITY THROUGH FREE AREA fpm (m/s)
 standard air - .075 lbs per cu ft

Ratings do not include the effect of a wire bird screen
 Test based on a 48" x 48" test size per AMCA Standard 511

FREE AREA IN SQUARE FEET (sq meters)

HEIGHT	WIDTH								
	in. mm	18	24	36	48	60	72	84	96
18	457	0.69	0.96	1.53	2.07	2.66	3.22	3.77	4.36
24	610	0.064	0.089	0.142	0.192	0.247	0.299	0.350	0.405
36	914	1.04	1.44	2.30	3.12	4.00	4.85	5.68	6.56
48	1219	0.097	0.134	0.214	0.290	0.372	0.451	0.527	0.609
60	1524	1.74	2.41	3.85	5.21	6.68	8.11	9.49	10.96
72	1829	0.162	0.224	0.357	0.484	0.621	0.753	0.881	1.018
84	2134	2.44	3.37	5.39	7.30	9.37	11.37	13.30	15.37
96	2438	0.227	0.313	0.501	0.678	0.870	1.056	1.235	1.427
		3.14	4.34	6.94	9.40	12.05	14.62	17.11	19.77
		0.292	0.403	0.644	0.873	1.120	1.358	1.589	1.836
		3.84	5.31	8.48	11.49	14.74	17.88	20.92	24.17
		0.357	0.493	0.788	1.067	1.369	1.661	1.944	2.246
		4.54	6.27	10.03	13.58	17.42	21.14	24.73	28.58
		0.422	0.583	0.931	1.262	1.619	1.963	2.298	2.655
		5.24	7.24	11.57	15.67	20.11	24.39	28.54	32.98
		0.487	0.672	1.075	1.456	1.868	2.266	2.652	3.064

Wind-Driven Rain Penetration Classes:		Discharge Loss Coefficient Classes:	
Class	Effectiveness	Class	Coefficient
A	100% to 99%	1	0.4 & above
B	98.9% to 95%	2	0.3 to 0.399
C	94.9% to 80%	3	0.2 to 0.299
D	Below 80%	4	0.199 & below

Wind Driven Rain Performance 29 mph (46.7 kph) with 3 in/h (76 mm/h)

Water Penetration Class	Effectiveness Ratio Percentage	Coefficient of Discharge Class	Core Velocity fpm (m/s)	Ventilation Airflow cfm (m3/min)	Free Area Velocity fpm (m/s)
Class A	100.0%	Class I	980 (5)	10546 (299)	2170 (11)

Wind Driven Rain Performance 50 mph (80.5 kph) with 8 in/h (203 mm/h)

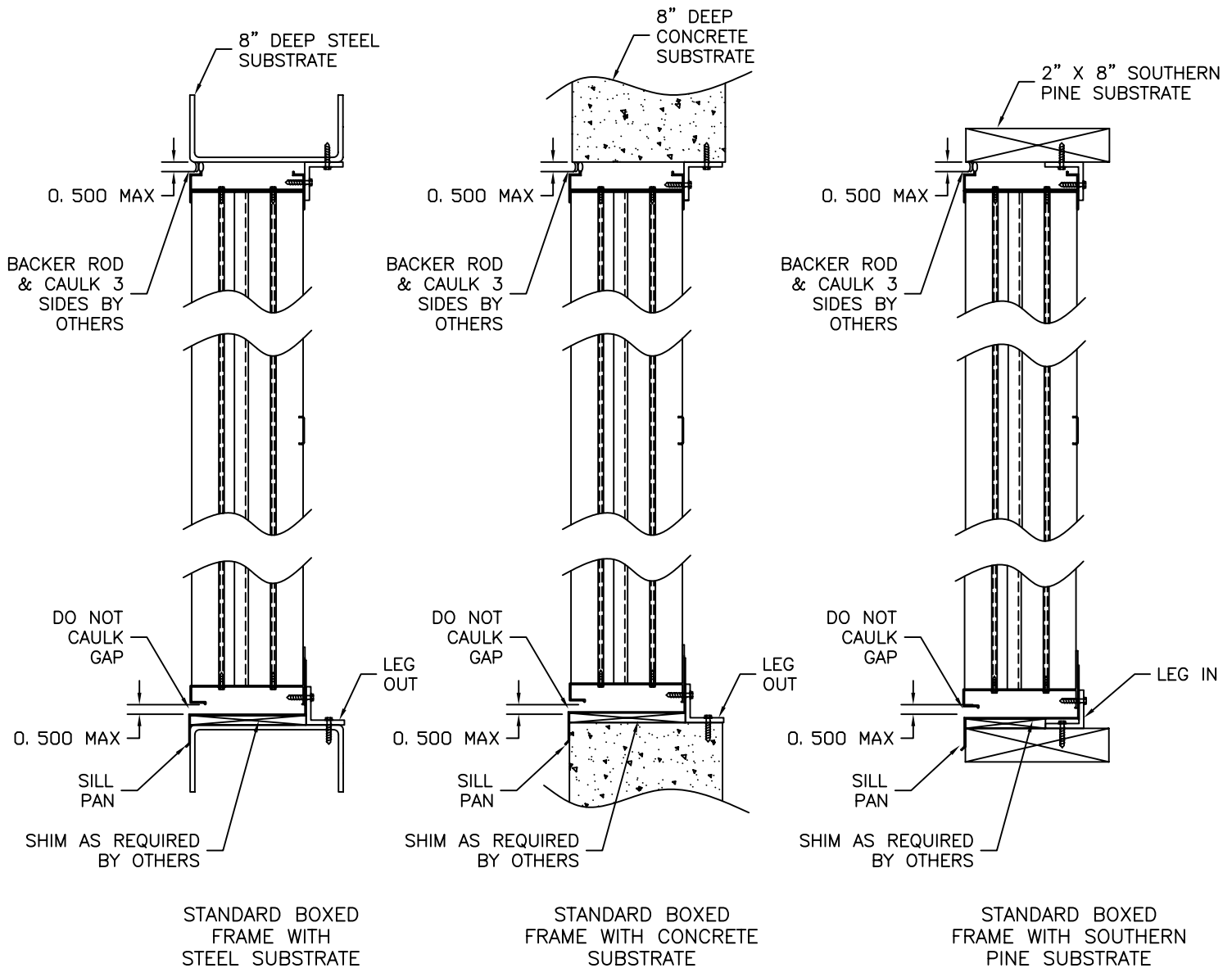
Water Penetration Class	Effectiveness Ratio Percentage	Coefficient of Discharge Class	Core Velocity fpm (m/s)	Ventilation Airflow cfm (m3/min)	Free Area Velocity fpm (m/s)
Class A	99.2%	Class I	784 (4)	8440 (239)	1736 (8.8)
Class A	99.1%	Class I	877 (4.5)	9445 (267)	1943 (9.9)
Class A	99.1%	Class I	982 (5)	10578 (300)	2176 (11)



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LE-68

Wind Driven Rain Performance Tests based on 1m x 1m Core Area (39.37" x 39.37") Louver with 5.88 ft² (0.546 m²) Free Area

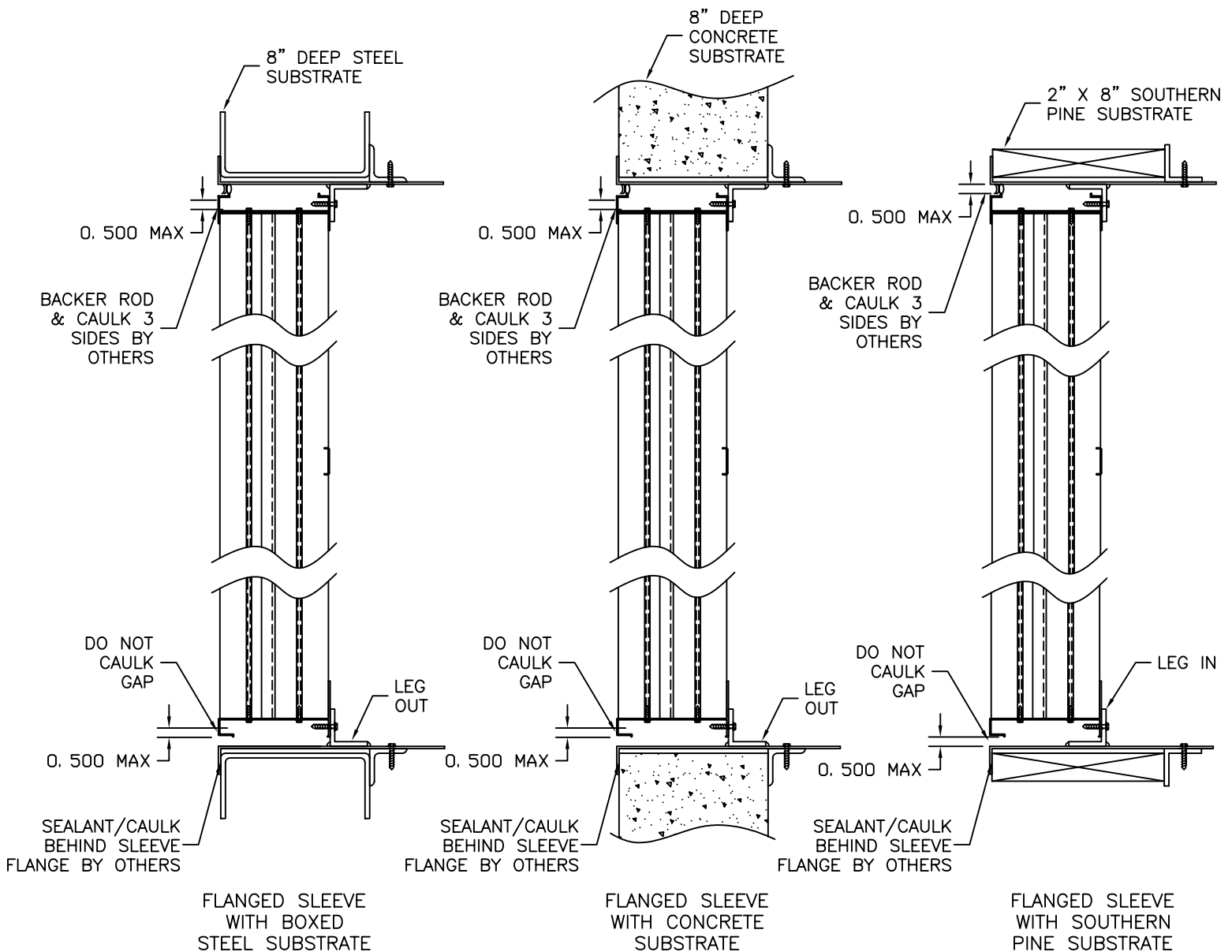
BOXED FRAME LE-68 INSTALLATION INSTRUCTIONS



NOTES:

- 1) MOUNTING ANGLES CAN BE INSTALLED WITH "LEGS IN" OR "LEGS OUT" FOR ANY APPROVED SUBSTRATE.
- 2) "LEGS OUT" IS THE STANDARD CONSTRUCTION, "LEGS IN" IS OPTIONAL.
- 3) THE FLANGED SLEEVE OPTION CAN BE USED WITH ANY APPROVED SUBSTRATE.
- 4) USE SHIMS TO OBTAIN UNIFORM CLEARANCE BETWEEN THE LOUVER AND THE LOUVER OPENING ON ALL SIDES, SHIMS ARE BY OTHERS.
- 5) SHIMS UNDER SILL PANS MUST ALLOW ENOUGH SPACE TO INSERT "LEG IN" OPTION INTO THE OPENING.
- 6) TWO MOUNTING ANGLES RUN THE FULL WIDTH OF LOUVER.
- 7) SEE DADE COUNTY NOA 08-0904.02 FOR INSTALLATION DETAILS.

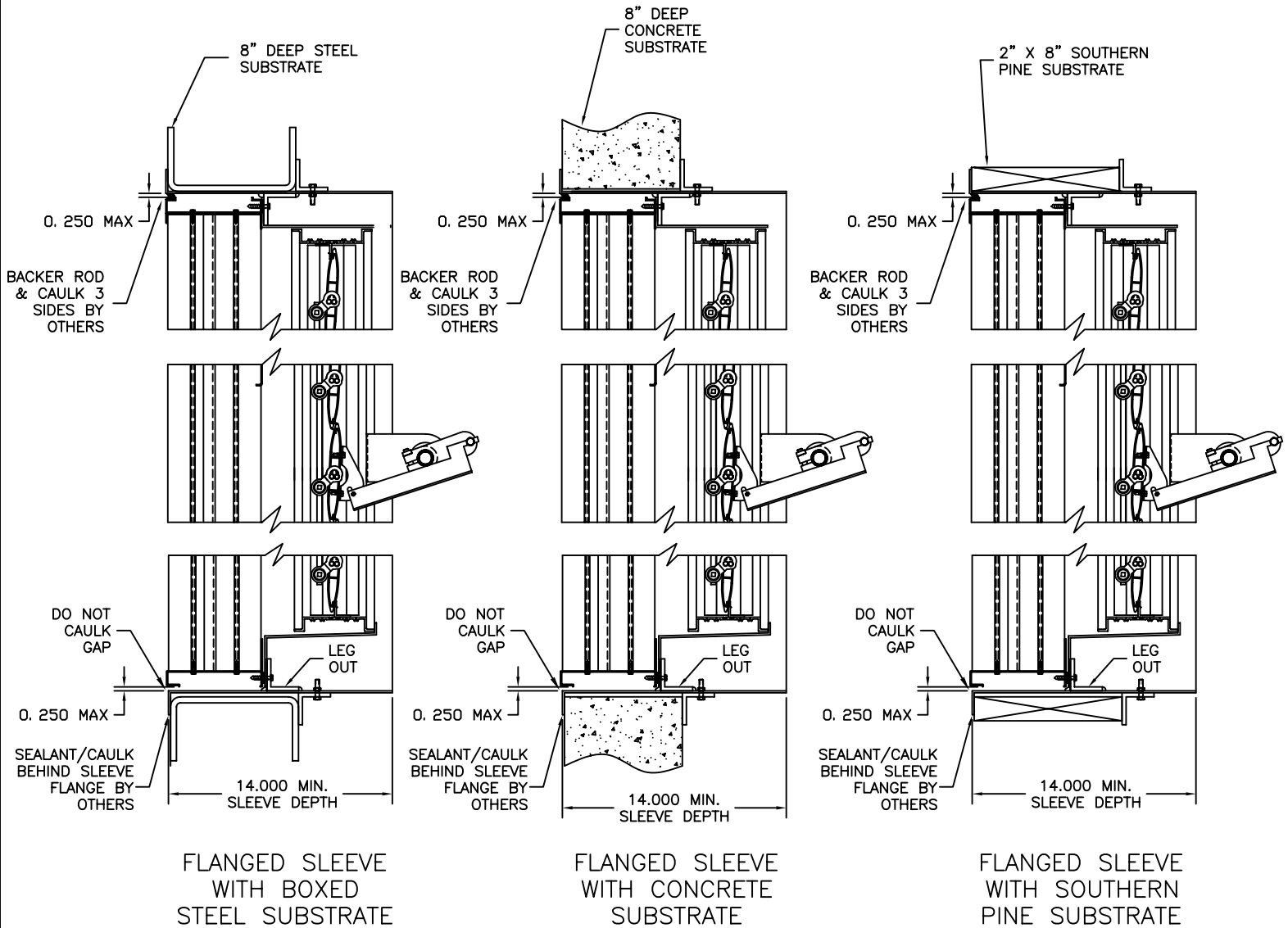
FLANGED SLEEVE LE-68 INSTALLATION INSTRUCTIONS



NOTES:

- 1) MOUNTING ANGLES CAN BE INSTALLED WITH "LEGS IN" OR "LEGS OUT" FOR ANY APPROVED SUBSTRATE.
- 2) "LEGS OUT" IS THE STANDARD CONSTRUCTION, "LEGS IN" IS OPTIONAL.
- 3) THE FLANGED SLEEVE OPTION CAN BE USED WITH ANY APPROVED SUBSTRATE.
- 4) USE SHIMS TO OBTAIN UNIFORM CLEARANCE BETWEEN THE LOUVER AND THE LOUVER OPENING ON ALL SIDES, SHIMS ARE BY OTHERS.
- 5) SEALANT BETWEEN FLANGED ANGLE SLEEVE AND THE SUBSTRATE BY INSTALLER.
- 6) TWO MOUNTING ANGLES RUN THE FULL WIDTH OF LOUVER.
- 7) SEE DADE COUNTY NOA 08-0904.02 FOR INSTALLATION DETAILS.

FLANGED SLEEVE INSTALLATION INSTRUCTIONS FOR TAS-100 APPROVED LE-68 LOUVER / DAMPER



NOTES:

- 1) THE FLANGED SLEEVE OPTION CAN BE USED WITH ANY APPROVED SUBSTRATE.
- 2) USE SHIMS TO OBTAIN UNIFORM CLEARANCE BETWEEN THE LOUVER AND THE LOUVER OPENING ON ALL SIDES, SHIMS ARE BY OTHERS.
- 3) SEALANT BETWEEN FLANGED ANGLE SLEEVE AND THE SUBSTRATE BY INSTALLER.
- 4) TWO MOUNTING ANGLES RUN THE FULL WIDTH OF LOUVER.
- 5) SEE DADE COUNTY NOA 08-0904.02 FOR INSTALLATION DETAILS.