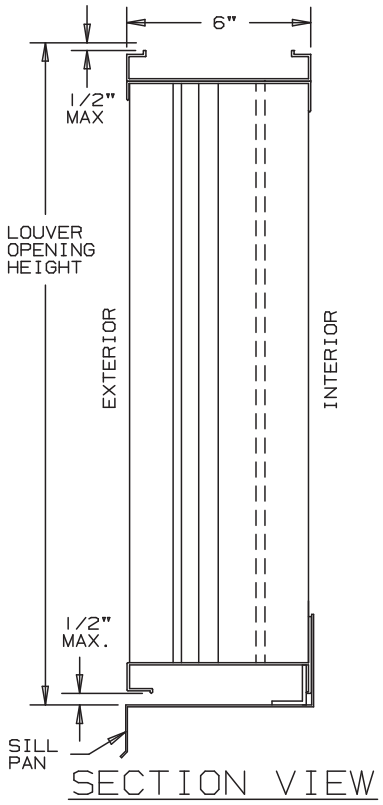
Anemostat®
AIR DISTRIBUTION

MODEL SL66

EXTRUDED ALUMINUM LOUVERS
VERTICAL SIGHTPROOF BLADES
STATIONARY, 6" DEEP

DADE COUNTY APPROVED TO PRESSURES UP TO ±150 PSF



SECTION VIEW

MODEL SL66
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

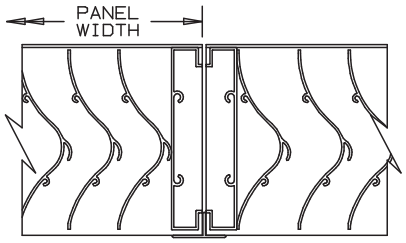
MAX. PANEL SIZE: PANEL WIDTH NOT TO EXCEED 96", PANEL HEIGHT NOT TO EXCEED 96", PANEL SQUARE FOOTAGE NOT TO EXCEED 32 SQ. FT. UNLIMITED ASSEMBLY WIDTH UTILIZING STD. VISIBLE OR OPTIONAL CONCEALED MULLIONS, ASSEMBLY HEIGHT LIMITED TO A SINGLE PANEL. CONSULT FACTORY FOR OPENINGS GREATER THAN 96" HIGH.

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

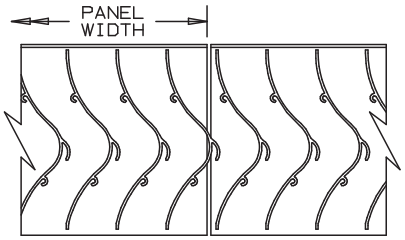
TESTING: IN ACCORDANCE WITH DADE COUNTY TEST PROTOCOLS TAS-201, TAS-202, AND TAS-203 FOR STRUCTURAL INTEGRITY. IN ACCORDANCE WITH (TAS)-100(A)-95 FOR HIGH-VELOCITY HURRICANE ZONES

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

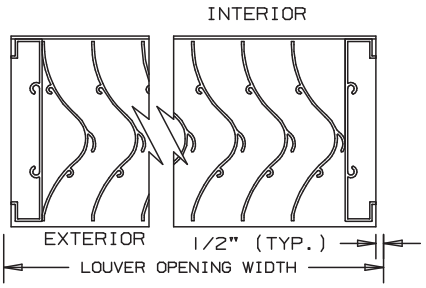
RATINGS: LOUVERS ARE QUALIFIED FOR "ENHANCED PROTECTION" FOR ESSENTIAL FACILITIES APPLICATIONS VIA THE SUCCESSFUL TESTING OF THE LARGE MISSLE IMPACT TEST (AT 80 F/S) AND CYCLIC LOAD TESTS AS SPECIFIED BY ASTM 1886/1996.



VISIBLE MULLION - STANDARD



CONCEALED MULLION - OPTIONAL



PLAN VIEWS

ITEM	QTY.	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	LOUVER SIZE WIDTH	LOUVER SIZE HEIGHT	MULL	SCREENS TYPE	SCREENS LOC

UNION MADE

Anemostat Air Distribution
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www.anemostat-hvac.com

AGENT: _____

ARCH./ENG.:
CONTR.:
PROJECT:
EDR: ECN: JOB:
DATE: DWN.: DWG.:

1065-B-APRIL-2009-1

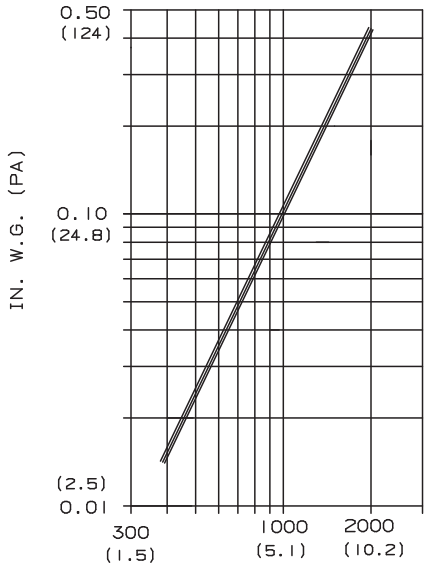
PRESSURE DROP :0.164 IN WG (40.6 PA.) AT 1250 FPM (6.35 M/S)
AND 9813 SCFM (4.63 SCM/S)

FREE AREA :7.85 SQ FT (0.729 SQ M)=49.1% FOR 48"x48" (1.22Mx1.22M) TEST SIZE

MISSLE IMPACT :"ENHANCED PROTECTION" RATED AT 55 MPH (80 M/S) PER ASTM 1886/1996

PERFORMANCE DATA

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"x48" TEST SIZE PER AMCA STANDARD 511

FREE AREA IN SQUARE FEET (SQ METERS)

HEIGHT \ WIDTH IN. mm	18" 457	24" 610	36" 914	48" 1219	60" 1524	72" 1829	84" 2134	96" 2438
18" 457	0.88 0.082	1.22 0.113	1.95 0.181	2.64 0.245	3.38 0.314	4.11 0.381	4.80 0.446	5.55 0.516
24" 610	1.23 0.114	1.59 0.148	2.61 0.242	3.63 0.337	4.55 0.423	5.56 0.517	6.48 0.602	7.50 0.697
36" 914	1.93 0.179	2.52 0.234	4.13 0.384	5.74 0.533	7.19 0.668	8.80 0.818	10.25 0.952	11.86 1.102
48" 1219	2.63 0.244	3.44 0.320	5.65 0.525	7.85 0.729	9.83 0.913	12.04 1.119	14.02 1.303	16.22 1.507
60" 1524	3.33 0.309	4.37 0.406	7.16 0.665	9.96 0.925	12.48 1.159	15.27 1.419	17.79 1.653	20.59 1.913
72" 1829	4.03 0.374	5.30 0.492	8.68 0.806	12.07 1.121	15.12 1.405	18.51 1.720	21.56 2.003	24.95 2.318
84" 2134	4.73 0.439	6.22 0.578	10.20 0.948	14.18 1.317	17.77 1.651	21.75 2.021	25.33 2.353	29.31 2.723
96" 2438	5.43 0.504	7.15 0.664	11.72 1.089	16.29 1.513	20.41 1.896	24.98 2.321	29.11 2.704	33.68 3.129

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)

WIND VELOCITY MPH (KPH)	RAINFALL RATE IN/H (MM/H)	CORE VELOCITY FPM (M/S)	VENTILATION AIRFLOW CFM (CM/MIN)	FREE AREA VELOCITY FPM (M/S)	EFFECTIVENESS RATIO PERCENTAGE	WATER PENETRATION CLASS	COEFFICIENT OF DISCHARGE CLASS
29 (46.4)	3 (76)	980 (5)	10546 (299)	2170 (11)	100.0%	CLASS A	CLASS 1

WIND DRIVEN RAIN PERFORMANCE 50 MPH (80.5 KPH) WITH 8 IN/H (203 MM/H)

WIND VELOCITY MPH (KPH)	RAINFALL RATE IN/H (MM/H)	CORE VELOCITY FPM (M/S)	VENTILATION AIRFLOW CFM (CM/MIN)	FREE AREA VELOCITY FPM (M/S)	EFFECTIVENESS RATIO PERCENTAGE	WATER PENETRATION CLASS	COEFFICIENT OF DISCHARGE CLASS
50 (80.5)	8 (203)	784 (4)	8440 (239)	1736 (8.8)	99.2%	CLASS A	CLASS 1
50 (80.5)	8 (203)	877 (4.5)	9445 (267)	1943 (9.9)	99.1%	CLASS A	CLASS 1
50 (80.5)	8 (203)	982 (5)	10578 (300)	2176 (11)	99.1%	CLASS A	CLASS 1

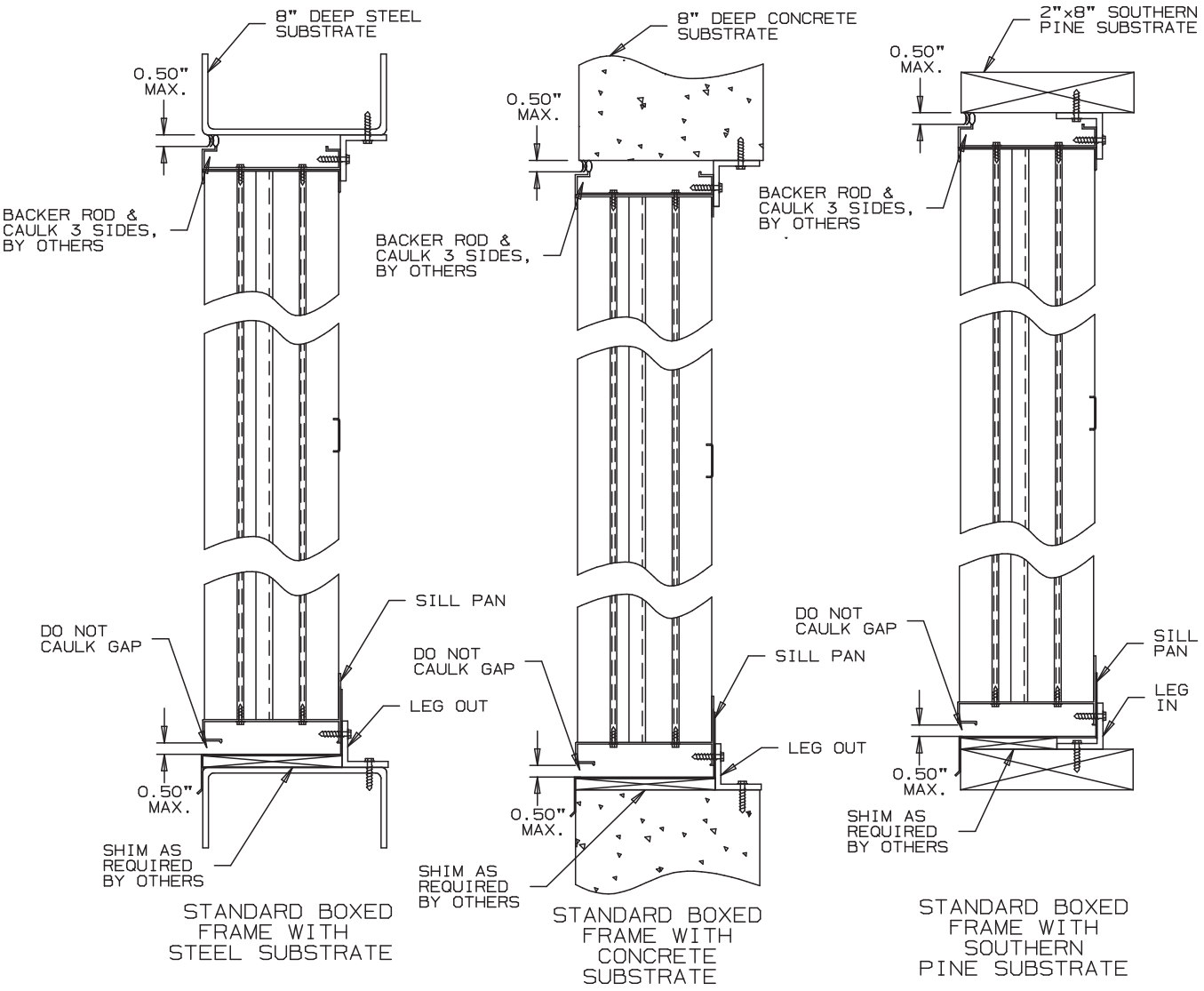
AIR PERFORMANCE

WIND DRIVEN RAIN

WIND DRIVEN RAIN PERFORMANCE TESTS BASED ON 1Mx1M CORE AREA (39.37"x39.37") LOUVER WITH 5.88 FT2 (0.546 M2) FREE AREA

Anemostat certifies that the performance data shown has been determined by test in accordance with applicable AMCA standards.

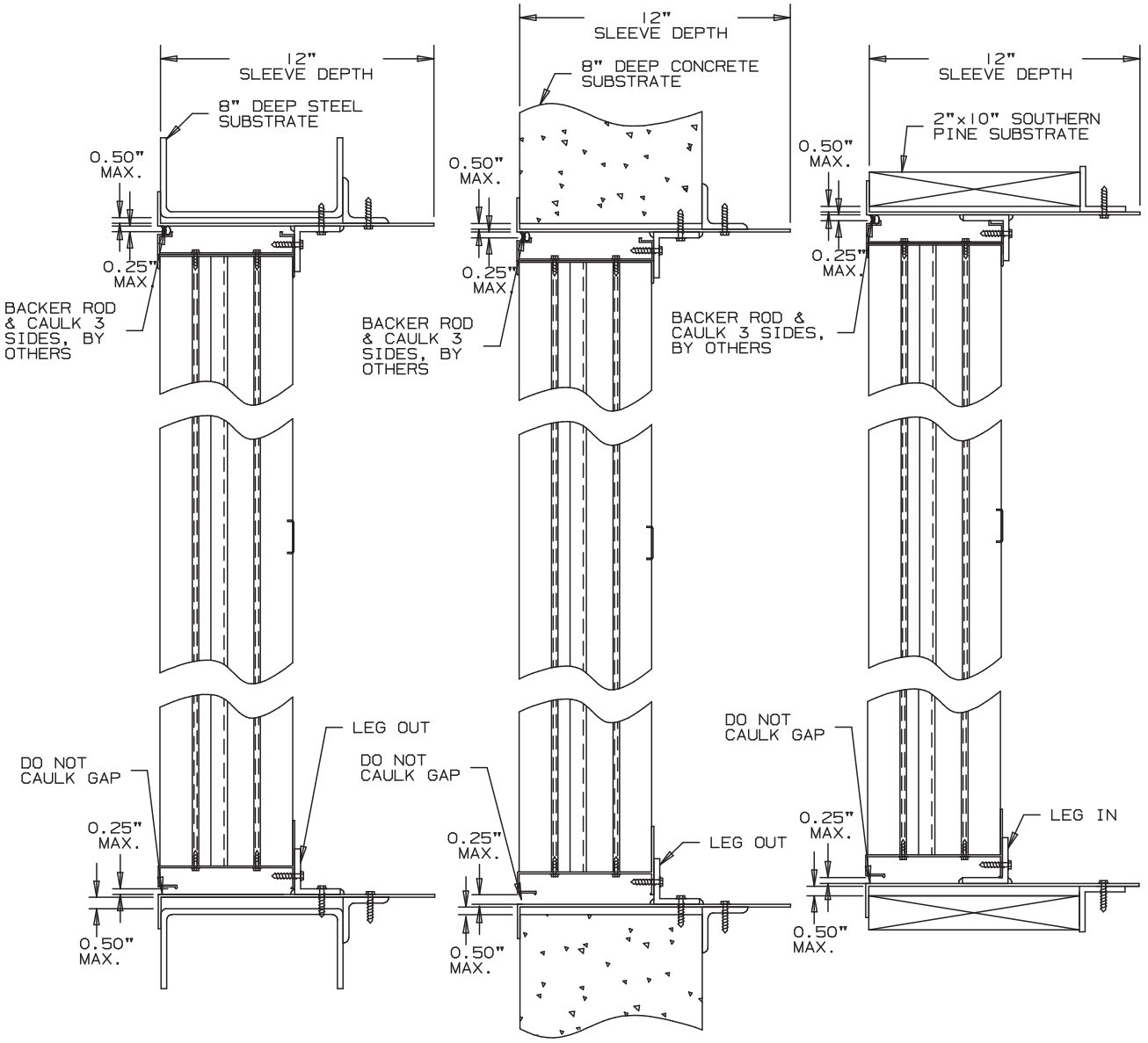
BOXED FRAME INSTALLATION INSTRUCTIONS



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.

FLANGED SLEEVE INSTALLATION INSTRUCTIONS



FLANGED SLEEVE WITH BOXED STEEL SUBSTRATE

FLANGED SLEEVE WITH CONCRETE SUBSTRATE

FLANGED SLEEVE WITH SOUTHERN PINE SUBSTRATE

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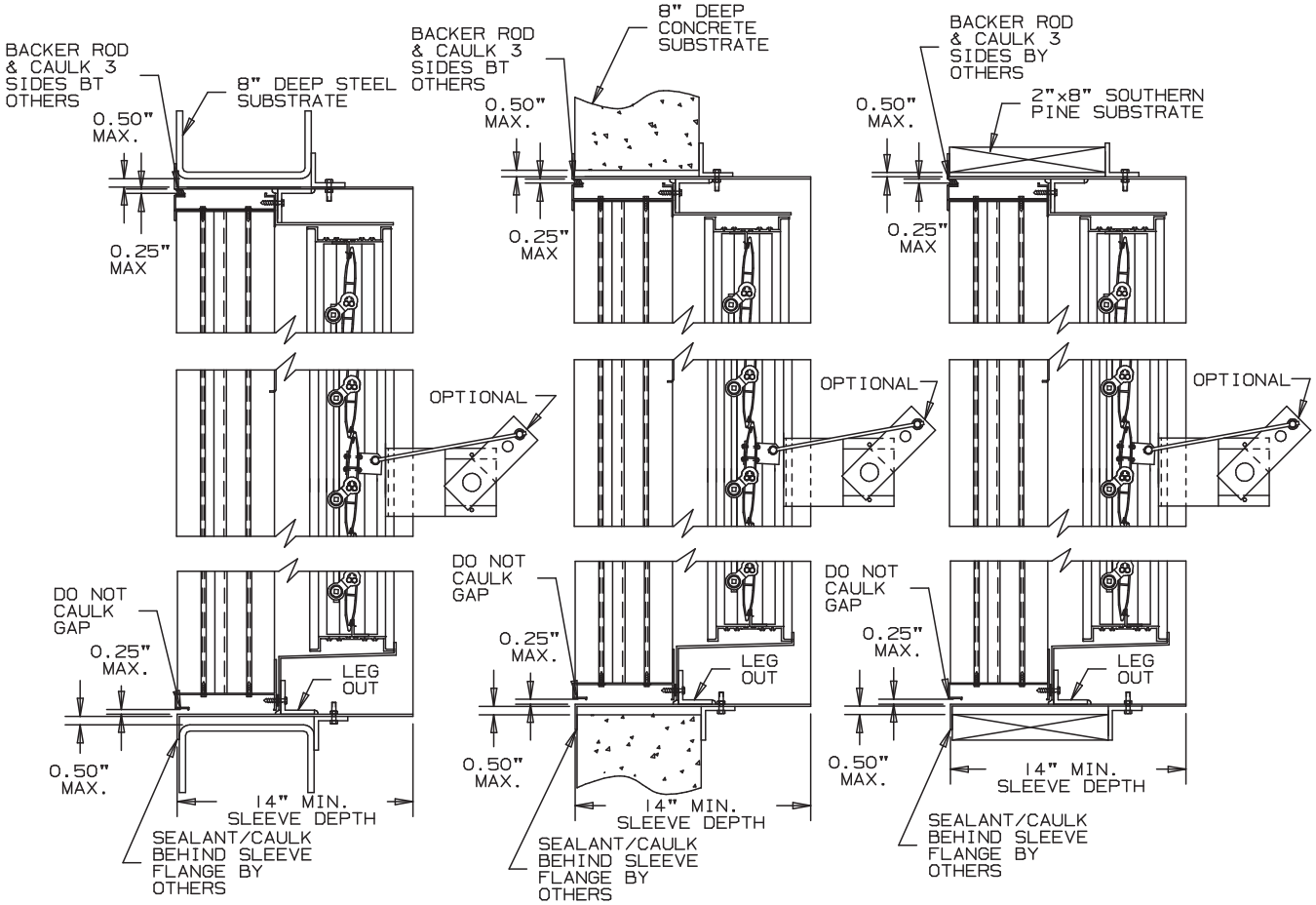
FLANGED SLEEVE INSTALLATION INSTRUCTIONS FOR TAS-100 APPROVED SL66 LOUVER / DAMPER



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