

CONSTRUCTION NOTES
FRAME:

ROLL FORMED ALUMINUM FRAME IS ASSEMBLED USING CORNER CLIPS TO ASSURE HAIRLINE MITERED CORNERS.

BLADES:

TEARDROP SHAPE ROLL FORMED ALUMINUM. EACH BLADE IS INDIVIDUALLY ADJUSTABLE (WITHOUT USE OF SPECIAL TOOLS). BLADES ARE SPACED 3/4" ON CENTERS AND ARE MOUNTED ON PRESSURE FITTED POLYPROPYLENE RETAINERS TO ASSURE A QUIET AND RIGID ASSEMBLY.
 MODEL HV: HORIZONTAL BLADES IN FRONT OF VERTICAL BLADES
 MODEL VH: VERTICAL BLADES IN FRONT OF HORIZONTAL BLADES

FINISH:

SKY-WHITE (STANDARD)
 MILL FINISH (OPTIONAL)

AXALTA SKY-WHITE 100% POLYESTER POWDER COATING GIVES AN ATTRACTIVE BRIGHT WHITE FINISH AND PROVIDES ADDITIONAL PROTECTION FROM AGING AND WEAR.

SIZES:

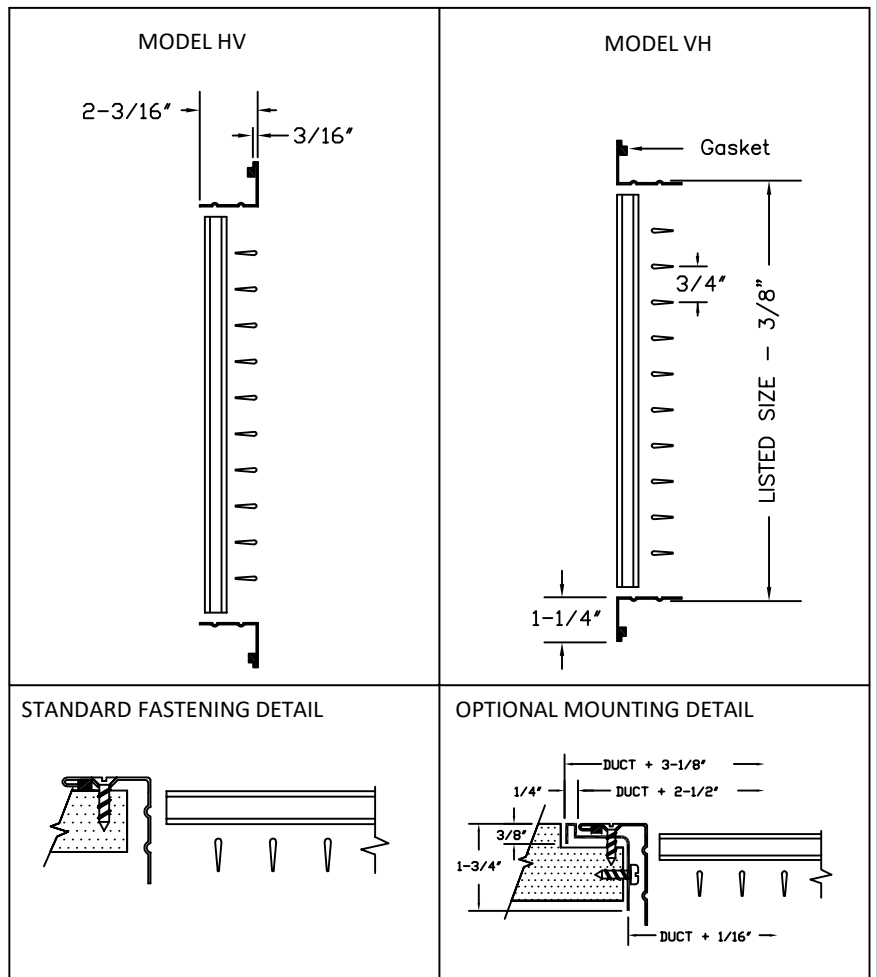
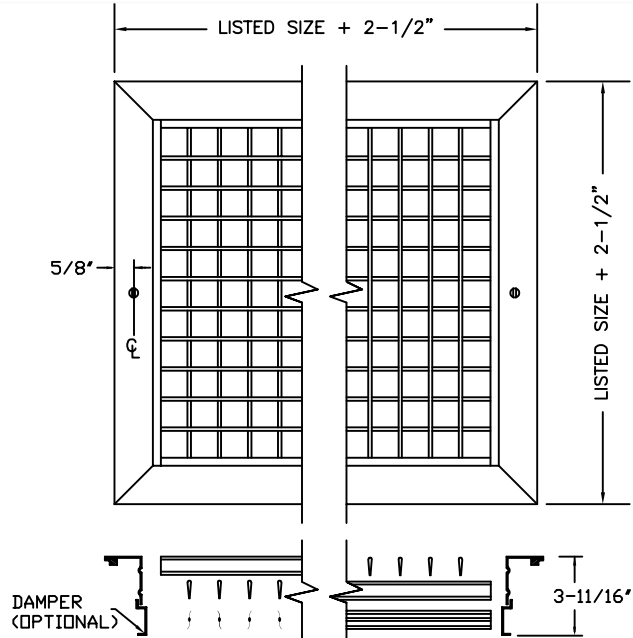
4" x 6" MIN
 14" x 36" MAX

GASKET:

RUBBER GASKET IN COMPLIANCE WITH FLORIDA STATE BUILDING CODE.

OPTIONAL ACCESSORIES:

DAMPER: GALVANIZED STEEL OPPOSED BLADE DAMPER IS EASILY ADJUSTED THROUGH FACE.
 * FOR MORE DETAILS SEE SUBMITTAL "OBD"
 INSECT SCREEN: (NOT RECOMMENDED WITH DAMPER OPTION)



JOB NAME:
LOCATION:
ARCHITECT:
ENGINEER:
CONTRACTOR:
CONTACT GRILLE TECH INC. FOR ADDITIONAL INFORMATION OR WITH SPECIAL REQUIREMENTS. 5101 NW 36TH AVE MIAMI, FL 33142 PHONE: 305-537-0053 FAX: 305-537-0064 WEB: WWW.GRILLETECHINC.COM EMAIL: SALES@GRILLETECHINC.COM

MODEL HV/VH

ALUMINUM DOUBLE DEFLECTION SUPPLY

NOTE: ALL DRAWINGS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

DRAWN BY: MR	DATE: 7/03/17	SCALE: NOT TO SCALE	DRAWING NO.
CHECKED BY: IG	DATE: 7/31/17	REVISION: 7/03/17	HV/VH

Neck Velocity	FPM	300	400	500	600	700	800	1000	1200	1400	1600	1800
NECK SIZE	Pv	.006	.010	.016	.022	.031	.040	.062	.090	.122	.159	.202
	Pt	.017	.029	.047	.065	.088	.117	.181	.265	.358	.467	.593
6 x 4"	CFM	35	50	60	70	85	95	120	140	165	190	210
	Throw	4-12	5-14	7-16	8-17	9-19	11-20	13-22	14-24	15-26	16-28	17-30
	Drop	3	3.5	4	4	4.5	4.5	5	5	6	6	6
	NC	<20	<20	<20	<20	<20	22	28	34	39	43	46
6 x 6" 8 x 4"	CFM	55	70	90	110	125	145	180	215	250	290	323
	Throw	4-13	6-15	7-17	9-19	10-20	11-22	14-24	15-26	17-29	18-31	19-33
	Drop	3.5	4	4.5	5	5.5	5.5	6	7.5	8	9	9.5
	NC	<20	<20	<20	<20	20	24	30	36	41	45	48
10 x 4"	CFM	65	90	110	130	155	175	220	265	310	350	395
	Throw	4-14	7-17	8-19	9-21	11-23	13-24	16-27	17-29	19-32	20-34	21-36
	Drop	3.5	4	4.5	5	5.5	6	6.5	7.5	8.5	10	10.5
	NC	<20	<20	<20	<20	20	24	30	36	41	45	48
12 x 4" 8 x 6"	CFM	80	105	130	155	180	210	260	310	365	415	470
	Throw	5-16	7-19	9-21	10-23	17-24	14-26	17-29	19-32	20-35	22-37	23-40
	Drop	4.5	5.5	6	6.5	7	7.5	8.5	8.5	9	10	11
	NC	<20	<20	<20	<20	21	25	31	37	42	46	49
16 x 4" 10 x 6"	CFM	100	135	170	205	240	270	340	410	475	545	610
	Throw	5-18	8-21	10-24	12-26	14-28	16-30	20-33	22-37	23-40	25-42	26-45
	Drop	5.5	6	6.5	7	7.5	8.5	9	10	11.5	12	12.5
	NC	<20	<20	<20	<20	21	25	31	37	42	46	49
18 x 4" 12 x 6" 8 x 8"	CFM	115	155	195	235	275	310	390	470	545	625	700
	Throw	6-19	9-23	11-25	13-28	15-30	17-32	21-36	23-40	25-42	27-45	28-48
	Drop	5.5	6.5	7	7.5	8.5	8.5	10	11	12	13	14
	NC	<20	<20	<20	<20	22	26	32	38	43	47	50
20 x 4" 14 x 6" 10 x 8"	CFM	140	185	230	275	320	370	460	550	645	735	830
	Throw	7-22	9-25	12-27	14-30	16-32	19-35	23-39	25-43	27-46	29-49	31-52
	Drop	9	10	12	12.5	13	14	15	16	17	18	19
	NC	<20	<20	<20	<20	23	27	35	39	41	48	51
24 x 4" 16 x 6"	CFM	155	210	260	310	365	415	520	625	730	830	935
	Throw	7-23	10-26	13-29	15-32	18-35	20-37	24-41	27-45	29-49	31-52	32-55
	Drop	10	10.5	11	12	12.5	13	13.5	14	14.5	17	18
	NC	<20	<20	<20	<20	24	28	36	40	42	49	52
28 x 4" 12 x 8" 10 x 10"	CFM	180	240	300	360	420	480	600	720	840	960	1080
	Throw	7-24	11-28	14-31	16-34	19-37	22-40	26-45	29-48	31-52	23-56	35-39
	Drop	9	10	10.5	11	11.5	12	12.5	14.5	16.5	18.5	19.5
	NC	<20	<20	<20	20	25	29	37	41	43	50	53
30 x 4" 20 x 6" 14 x 8"	CFM	205	275	345	415	485	550	690	830	965	1100	1240
	Throw	8-26	12-30	15-34	18-37	21-40	24-43	28-47	30-52	33-56	35-60	37-63
	Drop	8	8.5	9	10	10.5	11.5	13	16	17.5	19	19.5
	NC	<20	<20	<20	20	25	29	37	41	43	50	53
34 x 6" 24 x 8" 16 x 12"	CFM	355	470	590	710	825	945	1180	1420	1650	1890	2120
	Throw	10-34	15-40	19-44	23-48	27-52	31-56	36-62	40-67	43-73	45-78	48-83
	Drop	11.5	12	13.5	15	17.5	18.5	18.5	21.5	22	22.5	23
	NC	<20	<20	<20	22	27	31	39	43	45	52	55



Supply: V, H, VH, HV, - EV, EH, EVH, EHV (pg. 2 of 2)

Neck Velocity	FPM	300	400	500	600	700	800	1000	1200	1400	1600	1800
NECK SIZE	Pv	.006	.010	.016	.022	.031	.040	.062	.090	.122	.159	.202
	Pt	.017	.029	.047	.065	.088	.117	.181	.265	.358	.467	.593
36 x 6"	CFM	400	535	670	805	940	1070	1340	1610	1880	2140	2410
18 x 12"	Throw	11-36	16-42	20-47	24-51	28-56	32-59	39-65	42-72	45-78	48-83	51-89
16 x 14"	Drop	12	12.5	14	15	17.5	18.5	19	22	22.5	23	24
	NC	<20	<20	<20	23	28	33	38	44	49	53	56
40 x 8"	CFM	625	830	1040	1250	1460	1660	2080	2500	2910	3330	3740
36 x 10"	Throw	14-45	20-52	26-58	30-63	35-68	40-73	48-82	52-90	56-97	60-104	64-110
30 x 12"	Drop	14	18	19.5	20.5	22.5	23	24	24.5	25	25.5	26
	NC	<20	<20	<20	24	29	34	39	45	50	54	57
48 x 8"	CFM	735	980	1220	1470	1720	1960	2450	2940	3430	3920	4410
24 x 16"	Throw	15-49	22-57	27-62	32-68	38-74	43-80	52-89	57-97	61-106	65-113	70-120
20 x 20"	Drop	15	19.5	21	22.5	23.5	25	25.5	26	27	28	29
	NC	<20	<20	20	25	30	35	40	46	51	55	58
48 x 10"	CFM	935	1240	1560	1870	2180	2490	3110	3730	4350	4980	5600
36 x 14"	Throw	17-55	24-63	34-71	41-78	47-84	48-90	59-100	64-110	69-118	74-128	79-135
30 x 16"	Drop	20	21.5	23	24.5	25.5	26	27	28	29	29.5	30
	NC	<20	<20	21	26	31	35	41	47	52	56	59
48 x 14"	CFM	1290	1720	2140	2570	3000	3430	4290	5150	6010	6860	7720
36 x 18"	Throw	19-64	28-74	35-83	42-91	49-98	56-106	69-118	76-130	82-140	88-149	92-158
28 x 14"	Drop	22	24.5	26	27.5	29	30.5	32	33.5	35	36.5	38
	NC	<20	<20	23	28	33	37	43	49	54	58	61

Notes:

1. Throws are for velocities of 150 and 50 FPM. Throws are for units with dampers. Without dampers multiply by .98. Throws stated are for 0° deflection. For 22 1/2° and 45° deflection, multiply by .67.
2. NC shown is for 0° deflection. For 22 1/2° add 1 NC. For 45° add 7 NC.
3. Drops stated are for 0° deflection. For 22 1/2° deflection, multiply drops by .85. For 45°, multiply drop by .66.