

STANDARD CONSTRUCTION
FRAME:

EXTRUDED 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 EVH: VERTICAL BLADES IN FRONT OF HORIZONTAL BLADES
 MODEL EHV: HORIZONTAL BLADES IN FRONT OF VERTICAL BLADES

GASKET:

RUBBER GASKET IN COMPLIANCE WITH FLORIDA STATE BUILDING CODE

OPTIONAL:

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

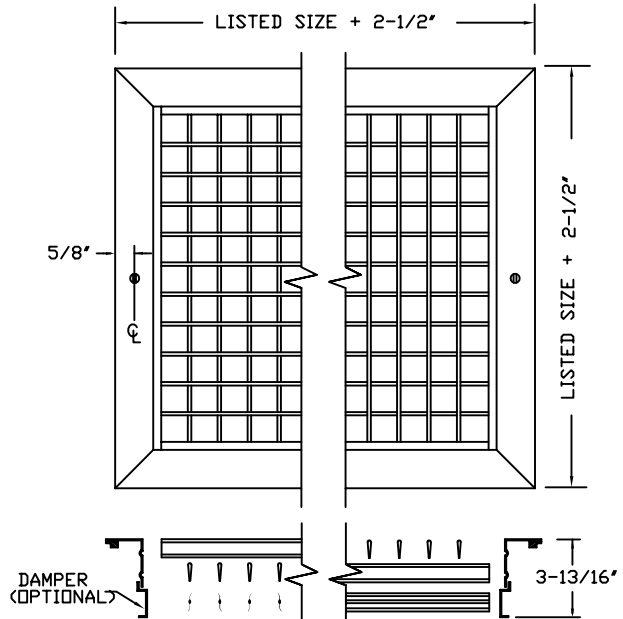
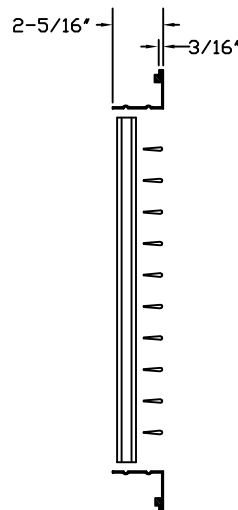
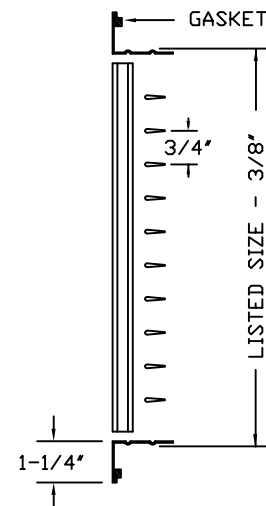
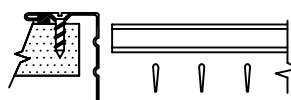
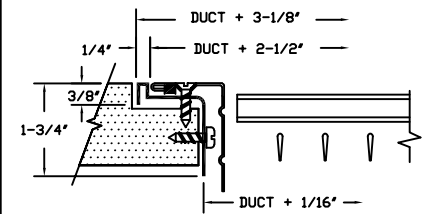
FINISH:

SKY-WHITE (STANDARD)
 MILL FINISH (OPTIONAL)

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

SIZES:

6" X 4" MIN
 48" X 36" MAX


MODEL EHV

MODEL EVH

STANDARD FASTENING DETAIL

OPTIONAL MOUNTING DETAIL


* RECESSED MOUNTED EXAMPLE SHOWN. WALL OR CEILING OPENING SHOULD BE DUCT SIZE + 1/8" TO 1/4"

| |
|---|
| 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 EVH AND EHV
 ALUMINUM DOUBLE DEFLECTION SUPPLY

NOTE: ALL DRAWINGS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

| | | | | | | | |
|-------------|----|-------|---------|-----------|--------------|-------------|---------|
| DRAWN BY: | MR | DATE: | 7/04/17 | SCALE: | NOT TO SCALE | DRAWING NO. | EVH/EHV |
| CHECKED BY: | IG | DATE: | 7/31/17 | REVISION: | 7/04/17 | | |

| 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.