

STANDARD CONSTRUCTION
FRAME:

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

DGF UNIT HAS REMOVABLE BACK FRAME FOR USE IN AREAS WHERE AESTHETICS ARE REQUIRED ON EITHER SIDE OF THE DOOR OR PARTITION.

DGS: SINGLE FLANGE
DGF: DOUBLE FLANGE

BLADES:

ROLL FORMED ALUMINUM.
EACH BLADE IS PERMANENTLY FIXED AT A 70° CROSS SECTION (35° AT FACE) IN THE FRAME.
BLADES POSITIONED TO PROVIDE SIGHT PROOF FACE.

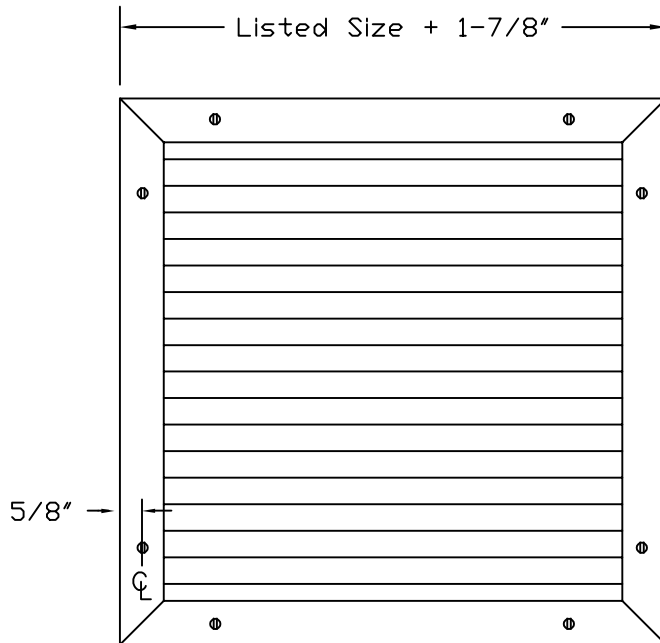
FINISH:

SKY-WHITE (STANDARD)
MILL FINISH (OPTIONAL)

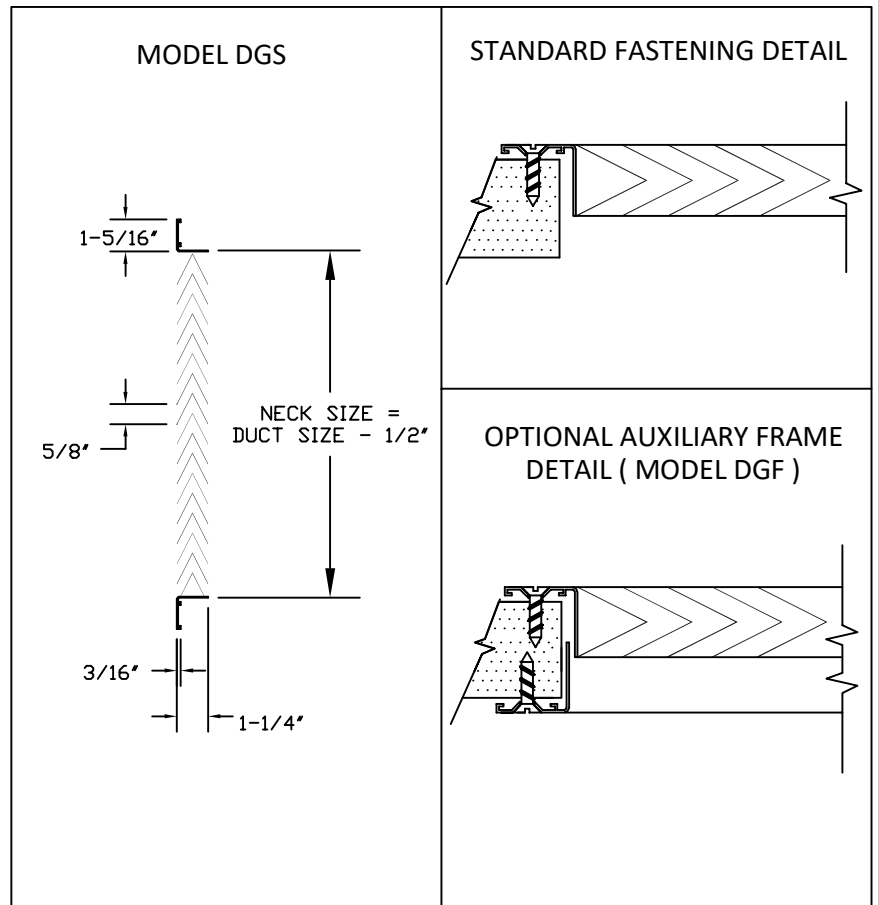
AXALTA SKY-WHITE 100% POLYESTER POWDER COATING GIVES AN ATTRACTIVE BRIGHT WHITE FINISH AND PROVIDES ADDITIONAL PROTECTION FROM AGING AND WEAR.

SIZES:

4" x 6" MIN
24" x 24" MAX



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


DGS AND DGF
ALUMINUM NON-VISION DOOR RETURN

DRAWN BY:	MR	DATE:	6/10/17	SCALE:	NOT TO SCALE
CHECKED BY:	IG	DATE:	6/30/17	REVISION:	6/10/17

DRAWING NO.
DGS/DGF



DGS, DGF Non-Vision Door Grilles (Aluminum)

SIZE	*Face Vel.	100 FPM	200 FPM	300 FPM	400 FPM	500 FPM
	Ps Drop	.010	.037	.083	.150	.220
	Effective Area (Square Ft.)	CFM	CFM	CFM	CFM	CFM
12 x 6"	0.30	30	60	90	120	150
12 x 8"	0.40	40	80	120	160	200
12 x 10"	0.52	50	105	155	210	260
12 x 12"	0.62	60	125	185	250	310
18 x 12"	0.97	95	195	290	390	485
24 x 12"	1.31	130	260	395	525	655
24 x 16"	1.76	175	350	530	705	880
36 x 12"	2.00	200	400	600	800	1000
30 x 16	2.25	225	450	675	900	1125
36 x 16"	2.75	275	550	825	1100	1375
30 x 24"	3.50	350	700	1050	1400	1750
36 x 24"	4.23	425	845	1270	1690	2115
48 x 24"	5.80	580	1160	1740	2320	2900
36 x 36"	6.60	660	1320	1980	2640	3300

Notes:

* Face Velocity and Effective Area based on 4" Rotating Vane Anemometer.

Determine CFM using these steps:

1. Find the effective area of the grille.
2. Using a 4" Rotating Vane Anemometer measure the velocity on the intake side of the grille.
3. Determine CFM using the following equation: $CFM = \text{Effective Area} \times \text{Measured Face Velocity}$.