

STANDARD CONSTRUCTION
BACK PAN:

COLD ROLLED DQSK STEEL
NOMINAL WALL THICKNESS OF 0.026"

FLATP LATE:

COLD ROLLED STEEL
NOMINAL WALL THICKNESS OF 0.046"

FINISH:

SKY-WHITE (STANDARD)

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

OPTIONS:

FACTORY OR FIELD INSTALLED BUTTERFLY DAMPER (BCD)
FACTORY OR FIELD INSTALLED OPPOSED BLADE DAMPER (OBR)
AUXILIARY MOUNTING FRAME, FOR GYPSUM BOARD (SMA)
INSULATED BACK PAN (EPRI)

FEATURES:

HEAVY GAUGE STEEL PROVIDES SUPERIOR DURABILITY.

REMOVABLE FACE PANEL ALLOWS EASY DAMPER ACCESS.

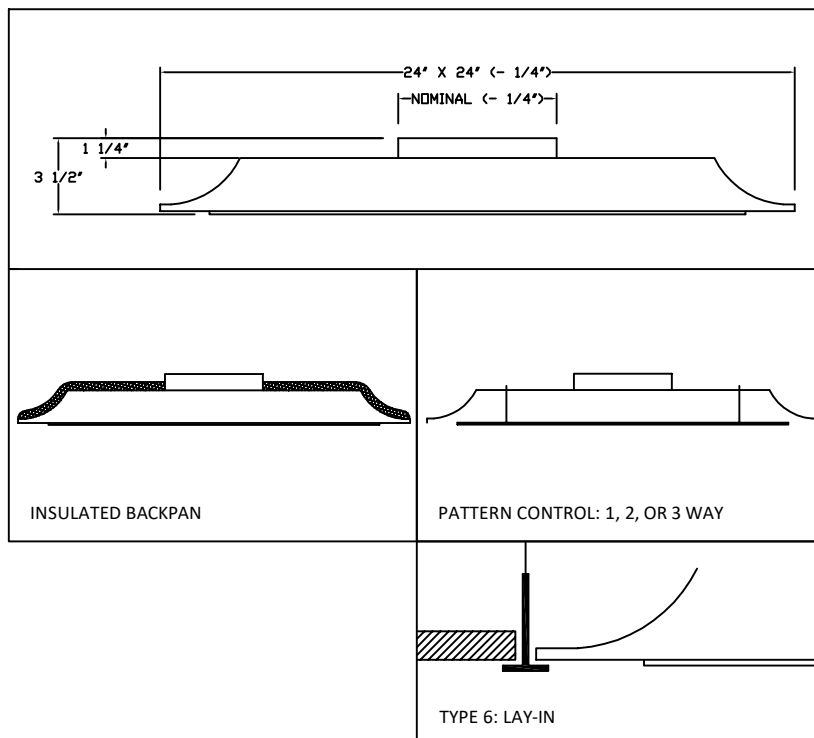
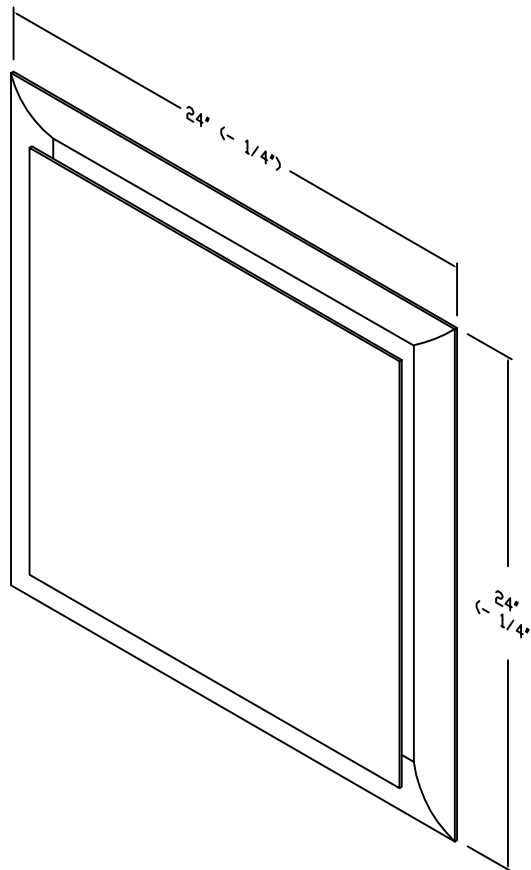
SUPPLIES AIR IN A 360 DEGREE PATTERN.

AVAILABLE LAY-IN FRAME STYLES.

AVAILABLE SIZES:

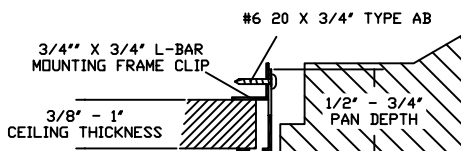
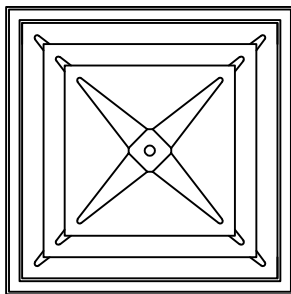
MODEL	DIMENSIONS	NECK DIAMETER
EPR06	24" X 24"	6"
EPR08	24" X 24"	8"
EPR10	24" X 24"	10"
EPR12	24" X 24"	12"
EPR14	24" X 24"	14"

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


EPR

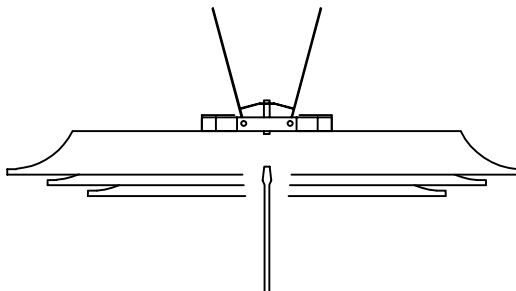
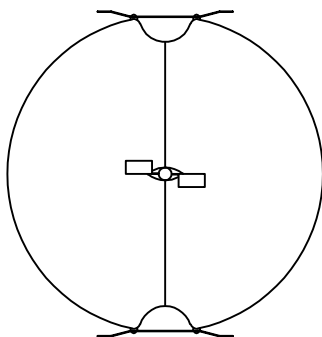
SQUARE PANEL DIFFUSER
PRODUCT SPECIFICATIONS

SMA



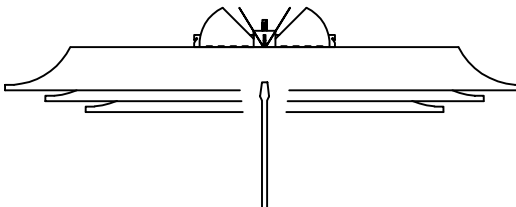
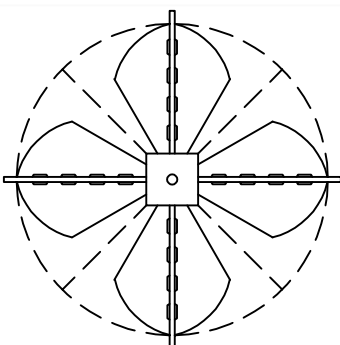
THE SMA IS AN AUXILIARY BRACKET THAT ALLOWS DROP-IN GRILLES TO BE MOUNTED TO PLASTER OR DRYWALL CEILINGS. THE BRACKET CAN ADJUST TO FIT FROM 3/8" UP TO 1" THICK CEILINGS, AND CAN ACCOMODATE PAN DEPTHS BETWEEN 1/2" AND 1 3/4". THIS UNIT HAS A SCREW AND SLOT HOLE ADJUSTING MECHANISM, MEANING THERE IS NO NEED FOR PRE-DRILLING OR SELF-TAPPING SCREWS.

BCD



THE BCD IS A CLIP-ON BUTTERFLY DAMPER THAT IS COMPATIBLE WITH BOTH THE SCF AND EPR DIFFUSERS. THIS DAMPER IS CONSTRUCTED USING 0.028" THICK GALVANIZED STEEL, AND IS AVAILABLE FOR 6", 8", 10", 12" AND 14" DUCT SIZES. INSTALLATION IS DONE BY SLIDING THE DAMPER INTO THE NECK OF THE DIFFUSER. THE BLADES OF THIE BCD ARE EASILY ADJUSTED FROM THE OUTSIDE BOTTOM OF THE DIFFUSER WITH A SCREWDRIVER. STANDARD FINISH IS BROWN.

OBR



THE OBR IS A SNAP-ON RADIAL BUTTERFLY DAMPER THAT IS COMPATIBLE WITH BOTH THE SCF AND EPR DIFFUSERS. THIS DAMPER IS CONSTRUCTED USING 0.028" THICK GALVANIZED STEEL, AND IS AVAILABLE FOR 6", 8", 10", 12" AND 14" DUCT SIZES. INSTALLATION IS DONE BY TAPPING THE DAMPER ONTO THE NECK OF THE DIFFUSER WITH A LIGHT HAMMER. THE BLADES OF THIE OBR ARE EASILY ADJUSTED FROM THE OUTSIDE BOTTOM OF THE DIFFUSER WITH A SCREWDRIVER. STANDARD FINISH IS WHITE.

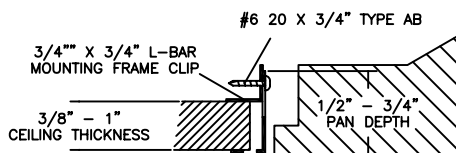
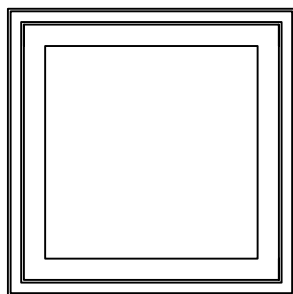
SCF

SQUARE FACE/ROUND NECK CEILING DIFFUSER
PRODUCT SPECIFICATIONS

NOTE: ALL DRAWINGS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

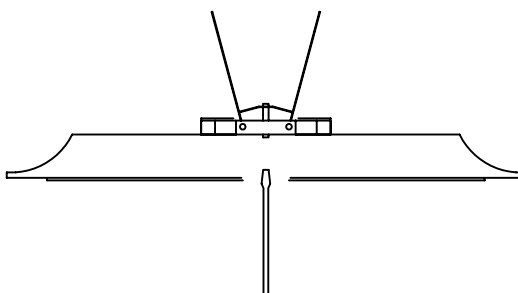
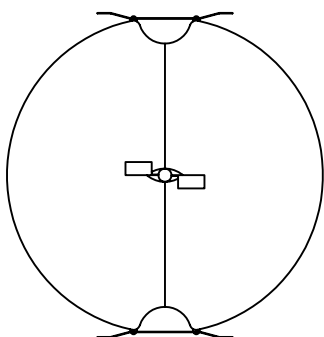


SMA



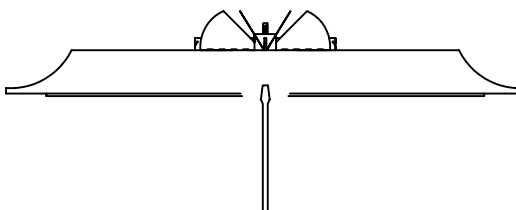
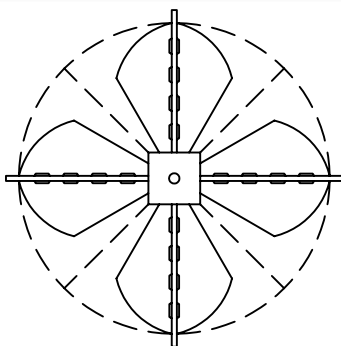
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OBR



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EPR

SQUARE PANEL DIFFUSER
PRODUCT SPECIFICATIONS

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Grille tech inc.

DRAWN BY: AF

DATE: 12/14/07

SCALE: NOT TO SCALE

DRAWING NO.

CHECKED BY: IG

DATE: 12/14/07

REVISION: IG

SD201-D



EPR 24 x 24 Square Ceiling Diffuser

Square Face Plate

NECK DIAMETER	Neck vel.	400	500	600	700	800	900	1000	1200	1400
	Velocity	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.090	0.122
6	CFM	80	100	120	140	160	180	200	235	275
	Pt	0.011	0.017	0.025	0.033	0.043	0.054	0.066	0.095	0.132
	Throw	1-1-4	1-2-4	1-3-5	2-3-6	2-4-7	3-4-8	3-4-9	4-5-11	4-6-12
	NC	<10	<10	<10	<10	10	15	19	26	32
8	CFM	140	175	210	245	280	315	350	420	490
	Pt	.018	.028	.039	.054	.070	.090	.110	.162	.215
	Throw	2-3-6	2-4-7	3-4-9	3-5-10	4-6-12	5-7-13	6-8-14	6-9-15	7-10-16
	NC	<10	<10	<10	11	15	19	23	30	35
10	CFM	220	275	330	385	440	490	545	655	765
	Pt	.027	.042	.060	.082	.107	.136	.168	.241	.329
	Throw	3-4-8	3-5-10	4-6-12	5-7-13	5-8-14	6-9-15	7-10-16	8-12-18	10-13-19
	NC	<10	<10	<10	14	18	23	27	33	39
12	CFM	415	400	475	550	630	710	785	945	1099
	Pt	.038	.056	.082	.110	.150	.185	.233	.335	.358
	Throw	4-5-11	5-7-14	6-9-15	7-10-16	7-11-17	8-12-18	9-14-20	11-15-21	13-17-24
	NC	<10	<10	10	15	21	25	29	36	41
14	CFM	430	535	640	750	855	965	1070	1285	1500
	Pt	.050	.076	.112	.153	.200	.250	.310	.450	.610
	Throw	4-7-13	6-8-16	7-10-17	8-12-19	9-13-20	10-15-21	11-16-24	13-18-26	15-19-28
	NC	<10	<10	12	19	23	27	31	38	43
15	CFM	495	615	740	860	985	1105	1230	1475	1720
	Pt	.052	.085	.120	.174	.229	.285	.320	.500	.702
	Throw	5-7-15	6-9-17	7-12-20	9-13-21	10-15-22	11-16-23	12-17-24	15-19-26	17-20-29
	NC	<10	<10	13	19	23	27	31	38	43

NOTE:

1. Noise based on 10db room absorption.
2. Throws are for 150, 100, 50 FPM.