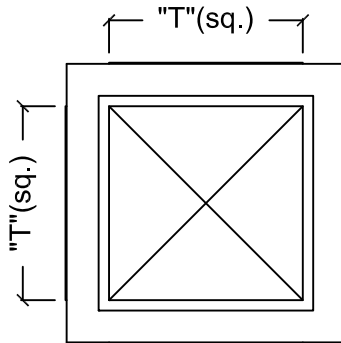
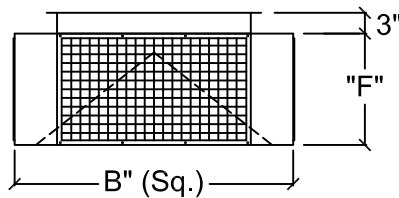


SUBMITTAL DATA

Drop Diffuser/Plenums



PLAN



ELEVATION



STANDARD FEATURES:

- *Double Deflection Grilles
- 1" Ultra Lite Duct Liner
- 3/8" Nut Insert for mounting
- TDC Duct Connection
- G90 Galvanized Steel Construction Per SMACNA Requirements
- Turning Vanes

OPTIONS:

- Custom Built up to 200,000 cfm
- Powder Coated
- "Premium Performance"- 360° rotating drop diffuser (1.5 RPM- Electric motor driven)
- (Note: duct connection changes to round-equivalent square)
- Omit Turning Vanes
- Omit insulation
- Damper behind grilles

QTY	MODEL #	"T" (sq.)	"B" (sq.)	"F"	GRILLE SIZE	NOMINAL CFM	TONS	*THROW	N.C.	VELOCITY PRESSURE in w.g.	TOTAL PRESSURE in w.g. @ zero deflection
	FFPD-2008-5T	20"	40"	10"	20" x 8"	2,000	5	22-30-41	23	.031	.072
	FFPD-2008-6T	20"	40"	10"	20" x 8"	2,400	6	25-33-45	23	.032	.073
	FFPD-2008-7.5T	20"	40"	10"	20" x 8"	3,000	7.5	25-33-45	26	.037	.088
	FFPD-2010-8.5T	20"	40"	12"	20" x 10"	3,400	8.5	28-39-53	25	.031	.073
	FFPD-2410-10T	24"	44"	12"	24" x 10"	4,000	10	30-41-56	27	.039	.090
	FFPD-2410-12.5T	24"	44"	12"	24" x 10"	5,000	12.5	35-46-64	28	.040	.094
	FFPD-2810-15T	28"	48"	12"	28" x 10"	6,000	15	39-51-70	31	.042	.096
	FFPD-3016-20T	30"	50"	18"	30" x 16"	8,000	20	42-56-80	25	.029	.059
	FFPD-3616-25T	36"	56"	18"	36" x 16"	10,000	25	43-64-89	28	.029	.070
	FFPD-3818-30T	38"	58"	20"	38" x 18"	12,000	30	51-74-103	30	.030	.071
	FFPD-3820-40T	38"	58"	22"	38" x 20"	15,000	40	53-79-110	30	.030	.071

*Throws based on 150-100-50 FPM terminal velocities with aid of a ceiling.

ISOTHERMAL CONDITIONS @ ZERO DEFLECTION

3 ft. below ceiling reduces throw 10% isothermal
4 ft. below ceiling reduces throw 20% isothermal
no ceiling reduces throw 30% isothermal

cold supply (20°F ΔT) reduces horizontal throw 30% while increasing vertical throw by 30%
 warm air (20°F ΔT) increases horizontal throw 30% while reducing vertical throw by 30%

CORRECTION FACTOR

Deflection	22.5°	45°
NC	+5	+10
Throw	x .81	x .77
Total Pressure	x 1.3	x 1.81

Job Name:	<input type="checkbox"/> MODEL FFPD <i>Flat Face Plenum Diffuser</i>		
Location:	DRAWN BY: CLJ	DATE: 9-1-99	REV. DATE: 1-30-18
Architect:	REV. NO. 13	APPROVED BY: JAS	DWG. NO.: H-6
Engineer:			
Contractor:			