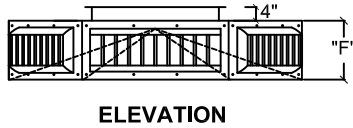
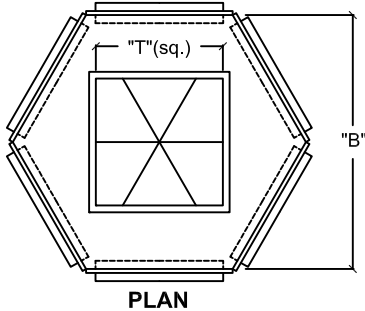




(ENGINEERS)

**SUBMITTAL DATA**

**Drop Diffuser/Plenums**



**STANDARD FEATURES:**

- \*Drum Louvers
- 1" Ultra Lite Duct Liner
- "S" & "Drive Duct Connection ("T" sq. under 24")
- TDC Duct Connection ("T" sq. 24" and over)
- Galvanized Steel Construction
  - 24 gauge DPD6-5 thru 12.5
  - 20 gauge DPD6-15 thru 25
  - 18 gauge DPD6-30 thru 50
- Hexagonal pyramid air diverter for maximum performance

**OPTIONS:**

- Custom Built up to 100,000 cfm
- Powder Coated
- 3/8" Nut Insert at each corner for mounting
- "Premium Performance"- 360° rotating drop diffuser (1.5 RPM- Electric motor driven)
 

(Note: duct connection changes to round-equivalent square)
- Omit pyramid center air diverter
- Omit insulation

QTY.	MODEL #	"T" (sq.)	"B"	"F"	GRILLE SIZE	NOMINAL CFM	TONS	*THROW	N.C.	VELOCITY PRESSURE in w.g.	TOTAL PRESSURE in w.g. @ zero deflection
	DPD6-5	14"	28"	9"	9" x 6"	2,000	5	29-35-50	38	.050	.384
	DPD6-7.5	18"	31"	9"	12" x 6"	3,000	7.5	35-43-61	43	.062	.433
	DPD6-10	22"	42"	9"	18" x 6"	4,000	10	41-50-71	40	.050	.301
	DPD6-12.5	24"	52"	9"	24" x 6"	5,000	12.5	45-56-78	38	.041	.223
	DPD6-15	28"	45"	13"	20" x 10"	6,000	15	48-59-82	36	.037	.180
	DPD6-20	30"	45"	13"	20" x 10"	8,000	20	55-68-96	46	.070	.340
	DPD6-25	36"	54"	13"	25" x 10"	10,000	25	62-76-108	44	.060	.277
	DPD6-30	38"	60"	15"	20" x 12"	12,000	30	67-81-115	47	.090	.400
	DPD6-40	40"	67"	15"	30" x 12"	16,000	40	79-98-139	49	.070	.260
	DPD6-50	44"	70"	15"	35" x 12"	20,000	50	88-110-155	49	.080	.300

\*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	15°	30°
NC	+4	+9
Throw	x .85	x .73
Total Pressure	x 1.5	x 1.9

Job Name:	<input type="checkbox"/> <b>MODEL DPD-6 (6-WAY THROW)</b>		
Location:			
Architect:	DRAWN BY: CLJ	DATE: 9-1-99	REV. DATE: 12-7-12
Engineer:	REV. NO. 15	APPROVED BY: CLJ	DWG. NO.: <b>H-4</b>
Contractor:			