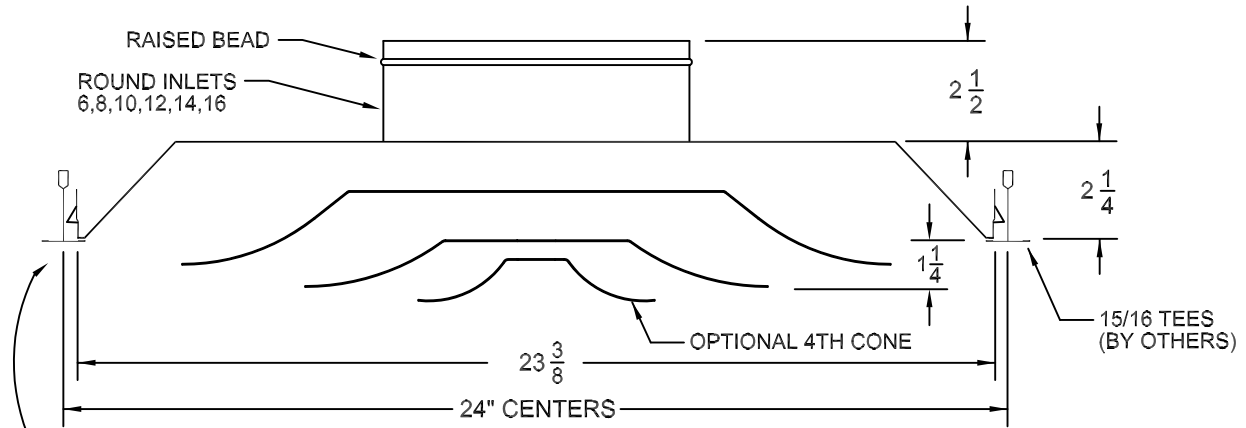


# AIR DISTRIBUTION SUBMITTAL



**UNIVERSAL HOUSING**  
COMPATIBLE WITH CEILING  
GRIDS SHOWN HERE.

STANDARD 15/16 GRID  
FLUSH MOUNT

BOLT SLOT 9/16 GRID  
FLUSH MOUNT

FLAT 9/16 TEE  
DROP DOWN BORDER

## PERFORMANCE DATA

		24 X 24 NOMINAL SIZE							
NECK VELOCITY	CFM	400	500	600	700	800	1000	1200	1400
6" INLET	CFM	79	98	118	137	157	196	236	275
	Pt	0.018	0.027	0.037	0.049	0.066	0.106	0.153	0.210
	THROW	4	5	6	7	8	10	11	13
	NC	(20)	(20)	(20)	(20)	(20)	24	29	33
8" INLET	CFM	140	175	209	244	279	349	419	489
	Pt	0.019	0.028	0.040	0.053	0.071	0.112	0.161	0.223
	THROW	6	7	9	10	12	14	15	17
	NC	(20)	(20)	(20)	(20)	21	27	32	36
10" INLET	CFM	218	273	327	382	436	545	654	764
	Pt	0.021	0.032	0.043	0.056	0.079	0.122	0.173	0.249
	THROW	9	11	13	15	17	19	21	22
	NC	(20)	(20)	(20)	(20)	24	30	35	40
12" INLET	CFM	314	393	471	550	628	785	942	1100
	Pt	0.023	0.035	0.051	0.068	0.094	0.142	0.207	0.292
	THROW	11	14	16	19	21	23	25	27
	NC	(20)	(20)	(20)	23	27	33	38	43
14" INLET	CFM	428	534	641	748	855	1069	1283	1497
	Pt	0.026	0.041	0.060	0.085	0.112	0.165	0.242	0.349
	THROW	13	16	20	23	25	27	29	31
	NC	(20)	(20)	21	25	29	35	41	46
16" INLET	CFM	558	698	838	977	1117	1396	1675	1955
	Pt	0.030	0.055	0.078	0.108	0.138	0.219	0.309	0.412
	THROW	15	19	23	26	29	31	33	34
	NC	(20)	(20)	22	27	31	37	43	48

Pt - Total pressure in inches of water.

Throw - Distances in feet to a terminal velocity of 50 fpm.

NC - Noise criteria based on 10 db. room absorption.

Performance data is based on tests performed at Donco Air Products and Intertek Testing Services in accordance with ASHRAE 70-1991. Copy of Report #3052855-001 is available upon request.

## FEATURES

- HOUSING CONSTRUCTED OF 22 GAUGE STEEL.
- ALL STAMPED PROCESS TO ELIMINATE CORNER SEAMS, ETC.
- INNER CONE ASSEMBLY IS REMOVABLE FROM ROOM SIDE FOR CLEANING.
- ACCESS HOLE ALLOWS FOR ADJUSTMENT OF OPTIONAL DAMPER
- EXTRA DEEP 2 1/2" COLLAR WITH RAISED BEAD FOR SECURE DUCT CONNECTION
- DURABLE POWDER COAT DONCO #26 WHITE FINISH STANDARD
- UNIVERSAL HOUSING IS COMPATIBLE WITH CEILING APPLICATIONS SHOWN.
- ACCESSORY FRAMES ARE AVAILABLE FOR SURFACE MOUNT APPLICATIONS.
- CONTACT FACTORY FOR SPECIAL PAINT FINISHES, ADJUSTABLE PATTERNS, ETC.

## OPTIONS (SPECIFY)

- INLET SIZE (6,8,10,12,14,16)
- BUTTERFLY DAMPER (6,8,10,12,14)
- RADIAL DAMPER (6,8,10,12)
- 4TH CONE (MODEL LFSD-U-4)

STANDARD INDUSTRY TOLERANCES APPLY. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

JOB NAME: \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 ARCHITECT: \_\_\_\_\_  
 ENGINEER: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_

## LFSD-U UNIVERSAL CEILING LOUVER FACE DIFFUSER

DRAWN BY  
RBJ

DATE  
9-25-06

DWG. NO.  
LFSD-U

P.O. BOX 250  
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DONCO AIR DISTRIBUTION EQUIPMENT