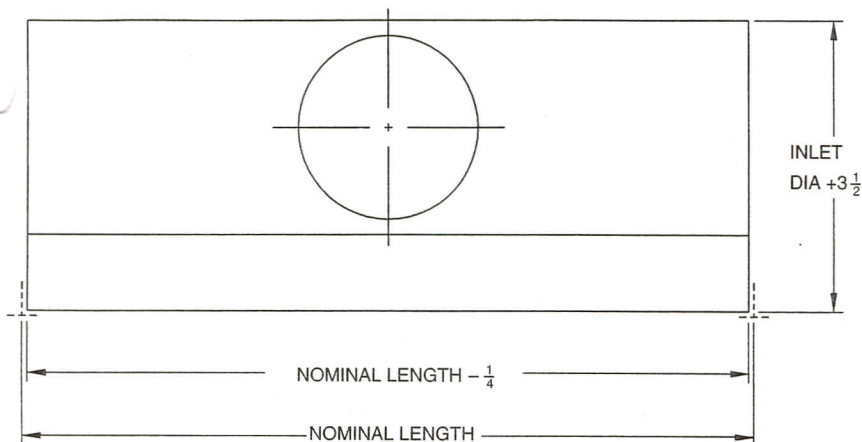


AIR DISTRIBUTION SUBMITTAL



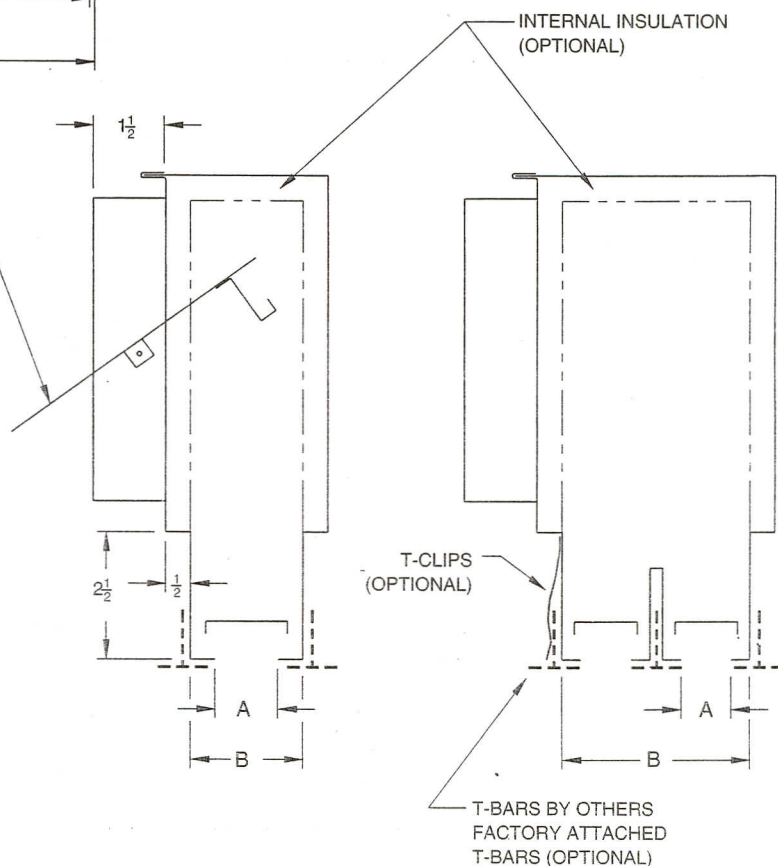
FEATURES

- SLIDING AIR BAR PROVIDES LEFT, RIGHT OR VERTICAL THROW.
- DIFFUSERS OVER 36" LENGTH HAVE TWO AIR BARS PER SLOT TO ALLOW SPLIT AIR PATTERNS.
- LENGTH: 47-3/4 STANDARD. AVAILABLE IN NOMINAL LENGTHS FROM 24 TO 60 INCHES. NORMAL TEE BAR APPLICATION IS NOMINAL LENGTH LESS 1/4".
- ROUND INLET SIZES ARE 5 THRU 12 INCH. OVALS ARE OPTIONAL.
- MATERIAL: 24 GAUGE GALVANNEALED STEEL. ALL EXPOSED SURFACES PAINTED BLACK.

OPTIONS (SPECIFY)

- ☐ STEEL UNINSULATED
- ☐ STEEL WITH INTERNAL INSULATION
- ☐ STEEL WITH EXTERNAL INSULATION
- ☐ INLET DAMPER
- ☐ TEE BAR CLIPS
- ___ NOMINAL LENGTH
- ___ NUMBER OF SLOTS
- ___ SLOT WIDTH
- ___ INLET SIZE
- ___ INSTALLED TEE BARS (QUANTITY & LOCATION)

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



	ONE SLOT							TWO SLOT				
SLOT WIDTH A	3/4	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3/4	1	1 1/4	1 1/2	
OVERALL WIDTH B	1 1/2	1 3/4	2 1/4	2 3/4	3 3/8	3 3/4	4 1/4	3 1/4	3 3/4	4 3/4	5 3/4	

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

2000 SERIES DIFFUSERS

DRAWN BY
MTV

DATE
1-6-97

DWG. NO.
2000

P.O. BOX 250
ALBION, IOWA 50005
PH. (641) 488-2211 FAX (641) 488-2796
www.raymon-hvac.com



RAYMON
DONCO AIR DISTRIBUTION EQUIPMENT

2000 SERIES PERFORMANCE DATA

SLOT WIDTH	INLET SIZE	ONE SLOT 48" NOMINAL LENGTH					
$\frac{3}{4}$	6	CFM	50	75	100	125	150
		Ps	.02	.05	.10	.15	.23
		Throw	4-7	9-12	13-17	15-21	17-25
		NC	(20)	23	31	37	43
1	8	CFM	75	100	125	150	175
		Ps	.04	.08	.12	.18	.23
		Throw	8-11	12-17	13-18	16-23	18-26
		NC	22	29	34	40	45
$1\frac{1}{4}$	8	CFM	75	100	150	200	250
		Ps	.02	.05	.10	.17	.26
		Throw	7-11	10-14	13-18	16-23	20-31
		NC	(20)	21	32	40	47
$1\frac{1}{2}$	8	CFM	75	100	150	200	250
		Ps	.02	.04	.08	.13	.21
		Throw	5-9	9-13	12-17	15-21	19-28
		NC	(20)	(20)	29	38	46
2	8	CFM	100	150	200	250	300
		Ps	.04	.07	.12	.18	.27
		Throw	8-12	10-14	12-17	15-21	18-26
		NC	(20)	26	36	43	48
$2\frac{1}{4}$	8	CFM	100	150	200	250	300
		Ps	.03	.06	.09	.14	.20
		Throw	6-9	9-12	11-15	14-19	17-25
		NC	(20)	25	34	40	45
$2\frac{1}{2}$	8	CFM	150	200	250	300	350
		Ps	.05	.09	.13	.18	.25
		Throw	7-11	10-14	13-18	15-21	18-26
		NC	24	33	40	44	49

SLOT WIDTH	INLET SIZE	TWO SLOT 48" NOMINAL LENGTH					
$\frac{3}{4}$	8	CFM	100	150	200	250	300
		Ps	.02	.05	.10	.16	.24
		Throw	4-7	9-12	13-17	15-21	17-24
		NC	21	25	34	40	46
1	8	CFM	150	200	250	300	350
		Ps	.04	.08	.12	.18	.23
		Throw	8-11	12-17	13-18	16-23	18-26
		NC	23	32	37	43	49
$1\frac{1}{4}$	10	CFM	150	200	250	300	400
		Ps	.02	.05	.07	.10	.18
		Throw	7-11	10-14	11-16	13-18	16-23
		NC	(20)	23	28	35	43
$1\frac{1}{2}$	10	CFM	150	200	300	400	500
		Ps	.02	.04	.09	.14	.22
		Throw	5-9	9-13	12-17	15-21	19-28
		NC	(20)	21	32	41	49

Ps - Static pressure in inches of water.

Throw - Horizontal distances in feet to terminal velocities of 150 and 100 FPM.

NC - Noise Criteria based on 10 db room absorption.

Performance data is based on tests performed at Donco Air Products and ETL Laboratories in accordance with ADC 1062 GRD-84 Test Code.

UNIT LENGTH FACTORS

MULTIPLY 48" DATA ABOVE BY FOLLOWING FACTORS			
NOMINAL LENGTH	Ps	Throw	NC
24"	× 3.0	× 2.0	× 1.4
36"	× 1.4	× 1.5	× 1.1
60"	× 0.8	× 0.9	× 1.0