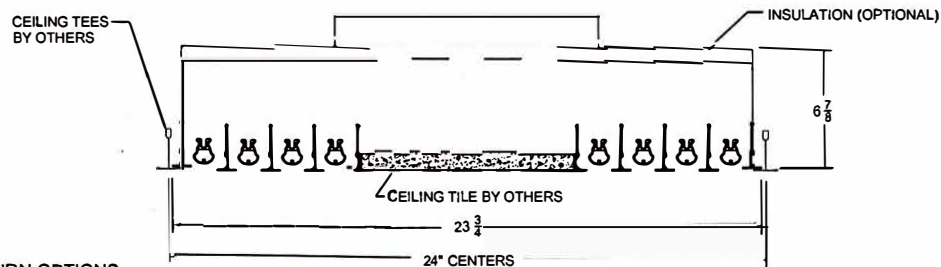




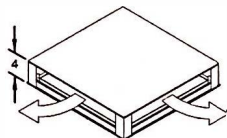
TF4W CEILING DIFFUSER SUBMITTAL SHEET

AIR DISTRIBUTION SUBMITTAL



RETURN OPTIONS

DIFFUSER FACE ONLY
DIFFUSER FACE WITH LIGHT SHIELD (SHOWN)



PERFORMANCE DATA 3/4" SLOT WIDTH

	CFM	100	125	150	200	250	300	350
1 SLOT 8" INLET	Pt	.042	.091	.139	.205	.302	.408	.332
	THROW	10	13	16	21	27	32	36
	NC	<20	21	25	32	38	42	46
2 SLOT 10" INLET	CFM	100	125	150	200	250	300	350
	Pt	.015	.021	.031	.052	.112	.193	.310
	THROW	9	11	13	16	24	31	38
3 SLOT 10" INLET	NC	<20	<20	<20	22	32	38	43
	CFM	150	200	250	300	400	500	600
	Pt	.021	.035	.052	.073	.130	.196	.273
4 SLOT 10" INLET	THROW	10	14	18	21	28	35	41
	NC	<20	20	25	29	36	41	45
	CFM	150	200	250	300	400	500	600
5 SLOT 10" INLET	Pt	.016	.026	.040	.056	.095	.156	.223
	THROW	9	12	15	18	24	30	35
	NC	<20	<20	23	28	35	39	43

PERFORMANCE DATA 1" SLOT WIDTH

	CFM	100	150	200	250	300	400	500
1 SLOT 10" INLET	Pt	.014	.041	.071	.108	.158	.285	.442
	THROW	8	13	18	23	28	35	40
	NC	<20	<20	22	29	34	41	48
2 SLOT 10" INLET	CFM	100	150	200	250	300	400	500
	Pt	.011	.021	.037	.083	.149	.232	.335
	THROW	7	11	14	21	28	35	42
3 SLOT 10" INLET	NC	<20	<20	<20	27	35	41	45
	CFM	150	200	250	300	400	500	600
	Pt	.016	.027	.040	.061	.110	.172	.247
4 SLOT 10" INLET	THROW	10	14	18	21	27	34	40
	NC	<20	<20	<20	24	33	38	42
	CFM	150	200	250	300	400	500	600
5 SLOT 10" INLET	Pt	.012	.023	.032	.053	.095	.147	.211
	THROW	9	12	15	17	23	29	34
	NC	<20	<20	<20	22	31	37	41

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 #J20029864-001 is available upon request.

SLOT CONFIGURATIONS

1-SLOT



SLOT WIDTH

3/4"

RECOMMENDED
TILE SIZE

19 3/4" SQ.

2-SLOT



1

19 1/4" SQ.

3-SLOT



3/4"

16 3/4" SQ.

4-SLOT



1

15 3/4" SQ.

3/4"

13 3/4" SQ.

3/4"

12 1/4" SQ.

1

10 3/4" SQ.

3/4"

8 3/4" SQ.

FEATURES

- EXTRUDED ALUMINUM FRAMES WITH REMOVABLE STEEL PLENUM
- PATTERN CONTROLLERS PROVIDE 180 DEGREE THROW ADJUSTMENT ALONG WITH VOLUME CONTROL.
- SUPPLY DIFFUSERS CAN DELIVER 1-WAY, 2-WAY, 3-WAY, OR 4-WAY HORIZONTAL THROW PLUS VERTICAL THROW.
- AVAILABLE IN 3/4" OR 1" SLOT WIDTHS
- AVAILABLE IN 1, 2, 3, OR 4 SLOTS
- STANDARD FINISH: WHITE FRAMES WITH BLACK PLENUM INTERIOR
- ROUND INLET SIZES 6 THRU 12 INCH
- OPTIONAL 1/2" THICK INTERNAL INSULATION

OPTIONS (SPECIFY)

- NUMBER OF SLOTS
- SLOT WIDTH
- INLET SIZE
- ☐ SUPPLY DIFFUSER WITH PLENUM
- ☐ RETURN DIFFUSER FACE ONLY
- ☐ RETURN DIFFUSER WITH LIGHT SHIELD
- ☐ NON-INSULATED
- ☐ TOP INTERNAL INSULATION
- ☐ BUTTERFLY DAMPER (INSTALLED)

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

JOB NAME: _____
LOCATION: _____
ARCHITECT: _____
ENGINEER: _____
CONTRACTOR: _____

MODEL TF4W
24 X 24 CEILING DIFFUSER

DRAWN BY
JLH

DATE
1-29-2001

DWG. NO.
TF4W

P.O. BOX 250
ALBION, IOWA 50005
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