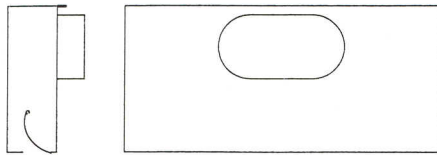
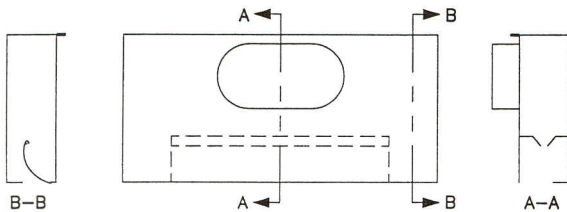


AIR DISTRIBUTION SUBMITTAL

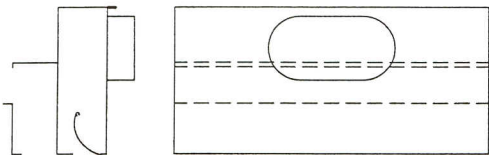
SUPPLY DIFFUSER MODEL SOST



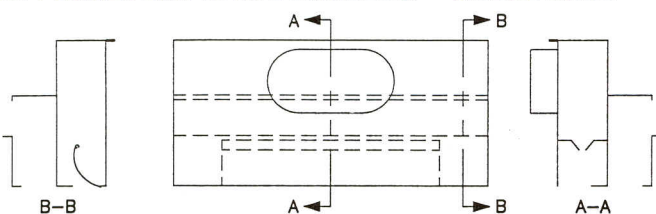
SUPPLY WITH DOWNBLOW MODEL SOD



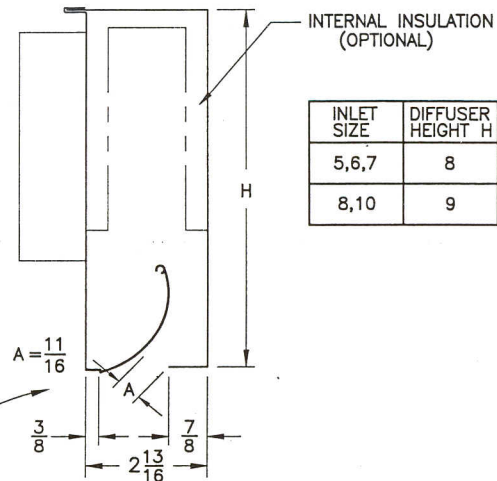
SUPPLY/RETURN MODEL SRCST



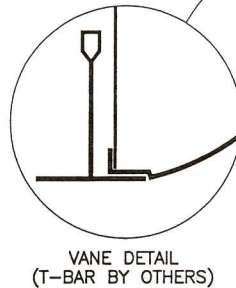
SUPPLY/RETURN WITH DOWNBLOW MODEL SRCD



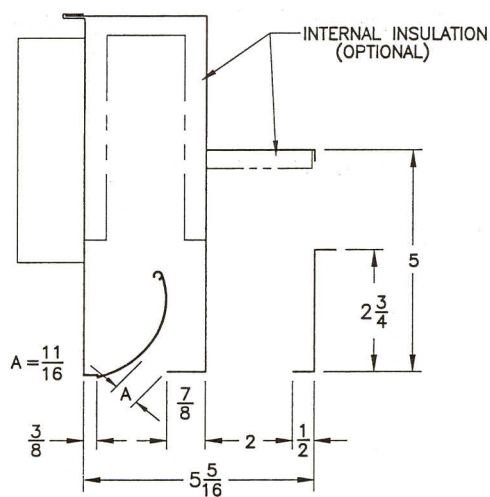
SUPPLY DIFFUSER



INLET SIZE	DIFFUSER HEIGHT H
5,6,7	8
8,10	9



SUPPLY/RETURN DIFFUSER



FEATURES

- HIGH INDUCTION HORIZONTAL AIR FLOW
- CENTER DOWNBLOW OPTION PROVIDES A VERTICAL AIR PATTERN FOR EXTERIOR WALLS OR GLASS. ADJUSTABLE HINGE BLADES FOR VOLUME AND DIRECTION CONTROL. 12 INCH LENGTH STANDARD.
- SUPPLY/RETURN COMBINATION DIFFUSERS ALLOW ROOM AIR TO BE RETURNED TO CEILING PLENUM.
- NOMINAL LENGTHS FROM 24 TO 60 INCH. ACTUAL LENGTH IS NOMINAL MINUS 1/4 INCH.
- MATERIAL IS 24 GAUGE GALVANNEALED STEEL WITH EXPOSED SURFACES PAINTED FLAT BLACK.

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

OPTIONS (SPECIFY)

- ☐ SUPPLY DIFFUSER (SOST)
- ☐ SUPPLY DIFFUSER W/DOWNBLOW (SOD)
- ☐ SUPPLY/RETURN COMBINATION (SRCST)
- ☐ SUPPLY/RETURN W/DOWNBLOW (SRCD)
- ☐ NON-INSULATED
- ☐ INTERNAL INSULATION
- ☐ EXTERNAL INSULATION
- NOMINAL LENGTH
- INLET SIZE
- ☐ ICE-TONG TYPE DOWNBLOW DEFLECTORS IN PLACE OF STANDARD HINGE TYPE (CONTACT FACTORY)

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

SRC SERIES DIFFUSERS MODELS SOST, SOD, SRCST, SRCD

DRAWN BY
RBJ

DATE
4-23-01

DWG. NO.
SRC-B

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



RAYMON
 DONCO AIR DISTRIBUTION EQUIPMENT

SRC PERFORMANCE DATA

SUPPLY SLOT PERFORMANCE

24" LENGTH	CFM	60	80	100	120	140	160	180	200
	Ps	.02	.03	.06	.08	.11	.14	.19	.23
	Throw	13	16	19	22	24	25	26	29
	NC	(20)	(20)	(20)	(20)	(20)	22	26	29
36" LENGTH	CFM	90	120	150	180	210	240	270	300
	Ps	.03	.04	.07	.10	.14	.18	.23	.29
	Throw	13	16	20	22	24	26	27	29
	NC	(20)	(20)	(20)	22	25	29	32	35
48" LENGTH	CFM	120	160	200	240	280	320	360	400
	Ps	.03	.05	.09	.12	.17	.22	.29	.36
	Throw	11	14	17	19	21	23	24	25
	NC	(20)	(20)	21	26	29	33	37	40
60" LENGTH	CFM	150	200	250	300	350	400	450	500
	Ps	.03	.05	.10	.13	.18	.24	.31	.39
	Throw	9	11	14	15	17	18	19	20
	NC	(20)	21	25	29	33	37	41	44

SUPPLY SLOT PERFORMANCE WITH DOWN BLOW

36" LENGTH	CFM	90	120	150	180	210	240	270	300
	Ps	.03	.06	.09	.13	.18	.23	.29	.35
	Throw H	11	16	19	22	24	26	27	29
	Throw V	4	5	5	6	6	7	7	8
	NC	20	25	31	35	40	43	45	48
48" LENGTH	CFM	120	160	200	240	280	320	360	400
	Ps	.03	.06	.09	.13	.18	.23	.29	.36
	Throw H	11	16	19	22	25	26	27	29
	Throw V	4	5	5	6	6	7	7	8
	NC	(20)	24	30	33	39	42	45	48
60" LENGTH	CFM	150	200	250	300	350	400	450	500
	Ps	.03	.06	.09	.14	.19	.24	.30	.38
	Throw H	11	16	19	21	24	25	26	27
	Throw V	4	5	5	6	6	7	7	8
	NC	(20)	24	30	33	38	42	44	47

RETURN SLOT PERFORMANCE

CFM PER FOOT	30	40	50	60	70	80	90	100
NEGATIVE Ps	.01	.02	.03	.04	.06	.07	.09	.11

Ps — Static Pressure in inches of water.

Throw — Distances in feet to terminal velocity of 50 fpm.

Vertical throw values are based on standard 12" long down blow slot and 3/8" width setting.

NC — Noise Criteria based on 10db room absorption.

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