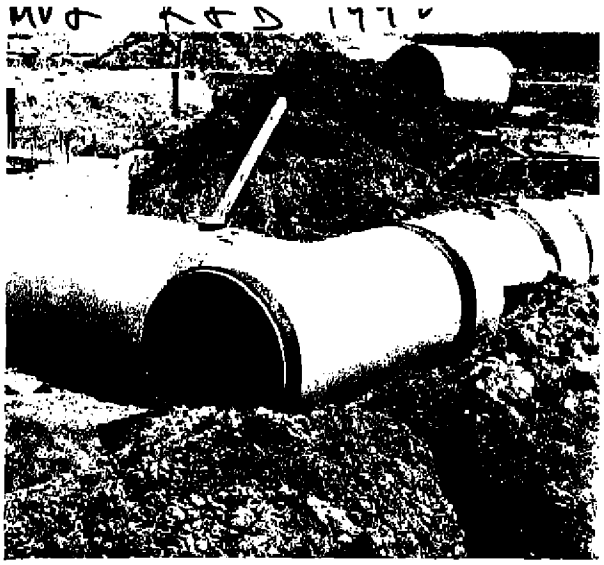
Johns-Manville

AIR HANDLING SYSTEMS



TYPE: RIGID DUCT.
TEMP. LIMIT: 550°F ON STRAIGHT RUNS
200°F WHERE FITTINGS ARE USED

Transite® Air / Vent Duct and Fittings

For Venting Laboratory And Industrial Fumes, Gases, Dusts, Smokes.

DESCRIPTION

Transite air/vent duct , a blend of three stone-like ingredients, asbestos fibre, portland cement and silica, is formed under high pressure on a turning mandrel into a homogeneous material. Duct is then autoclave cured for maximum chemical stability. Asbestos-cement stock is used for fabricating couplings and fittings, with fitting segments joined with epoxy cement.

AVAILABILITY

Sizes (nom. I.D.): 6", 7", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36".

Lengths: 6"-8" sizes—10 feet; 10"-36" sizes—13 feet.

Couplings and Fittings: Sleeve and Ribbed Couplings, Tees, Wyes, Elbows, Closures, Reducers.

ADVANTAGES

Durable— Non-metallic and non-organic so it cannot rust or rot. Won't deteriorate. Stone-like structure maintains its strength.

Smooth Bore— Long lengths are free of internal flanges that impede flow and collect solid particles. Saves on stack cleanings.

Corrosion Resistant— Demonstrated by long experience in venting many corrosive fumes. Not subject to galvanic corrosion. No need for lining or coating. Weatherproof. No need to paint.

Simple Installation- Transite air/vent duct available with complete line of couplings and fittings for complete system installations. Ducts easily cut on the job. Joints may be completed quickly. Hanging and support accomplished utilizing standard procedures. .

No Maintenance in Most Cases— No worn or corroded parts to replace. No lining, coating or painting to renew. Where needed at all, stack cleaning reduced to less frequent intervals.

Low Total Costs-With Transite air/vent duct material costs, installation costs and maintenance costs add up to an economical system that can be depended on for trouble-free operation year after year.

ACCEPTANCE

ASTM E 84-70 Burning Characteristics of Building Materials—"0" Flame Spread, "0" Fuel Contributed, "0" Smoke Developed.*

* Numerical flame spread rating is not intended to reflect hazards presented by this or any other materials under actual fire conditions

FD-4154 6/76

CRMC-VentPipe-000030

SC-JMM-1710

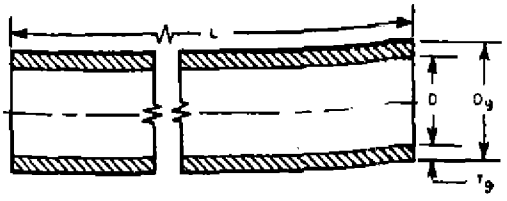
Johns-Manville

AIR HANDLING SYSTEMS

Transite® Air / Vent Duct and Fittings

Dimensions of Transite Vent Duct and Fittings (Rounded to nearest pound)

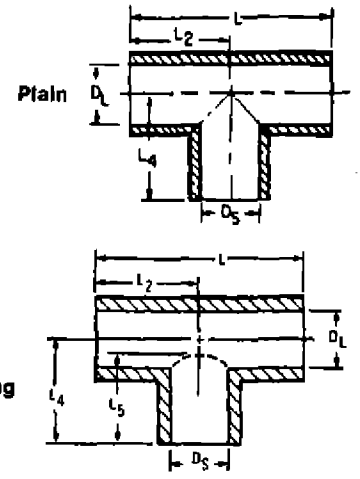
Pipe



DIMENSIONS
All dimensions in inches. For O.D. and wall thickness see vent duct dimensions. Tolerances: L ±1.0"

D	D_y	T_y	L	WT LBS/FT
6	6.60	.30	10' 0	6
7	7.70	.35	10' 0	8
8	8.70	.35	10' 0	9
10	10.89	.44	13' 0	16
12	12.89	.44	13' 0	18
14	14.90	.45	13' 0	20
16	17.00	.50	13' 0	24
18	19.00	.50	13' 0	27
20	21.10	.55	13' 0	33
24	25.20	.60	13' 0	43
30	31.34	.67	13' 0	59
36	37.50	.75	13' 0	*78

TEES



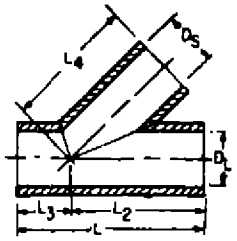
All dimensions in inches. For O.D. and wall thickness see vent dimensions. Length Tolerances 6"-12" ±0.25; 14"-36" ±0.50.

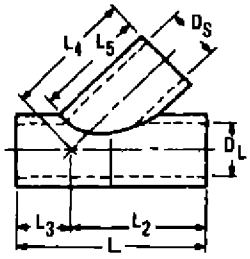
D_L x D_S	L	L_2	L_4	L_5	WT LBS
6 x 6	24.0	12.0	8.0	–	14
7 x 6	24.0	12.0	10.0	8.0	18
7 x 7	24.0	12.0	9.0	–	19
8 x 6	24.0	12.0	9.4	6.5	20
8 x 7	24.0	12.0	9.5	7.5	21
8 x 8	24.0	12.0	9.5	–	22
10 x 6	26.0	13.0	10.9	6.5	36
10 x 7	26.0	13.0	11.4	7.5	36
10 x 8	26.0	13.0	10.8	7.5	36
10 x 10	26.0	13.0	10.5	–	40
12 x 6	26.0	13.0	12.1	6.5	42
12 x 7	26.0	13.0	12.7	7.5	43
12 x 8	26.0	13.0	12.3	7.5	43
12 x 10	26.0	13.0	11.0	7.5	45
12 x 12	26.0	13.0	13.0	–	50
14 x 8	39.0	19.5	13.5	7.5	66
14 x 10	39.0	19.5	12.5	7.5	68
14 x 12	39.0	19.5	13.6	10.0	71
14 x 14	39.0	19.5	14.0	–	73
16 x 10	39.0	19.5	14.0	7.5	84
16 x 12	39.0	19.5	15.4	10.0	87
16 x 14	39.0	19.5	15.1	11.0	86
16 x 16	39.0	19.5	15.0	–	92
18 x 12	39.0	19.5	16.9	10.0	97
18 x 14	39.0	19.5	16.9	11.0	97
18 x 16	39.0	19.5	16.2	12.0	99
18 x 18	39.0	19.5	16.0	–	103
20 x 14	52.0	26.0	18.5	11.0	151
20 x 16	52.0	26.0	18.3	12.0	153
20 x 18	52.0	26.0	17.1	12.5	152
20 x 20	52.0	26.0	18.0	–	163
24 x 16	52.0	26.0	19.3	10.0	192
24 x 18	52.0	26.0	20.8	12.5	196
24 x 20	52.0	26.0	19.9	13.0	197
24 x 24	52.0	26.0	20.0	–	211
30 x 18	52.0	26.0	22.4	10.0	261
30 x 20	52.0	26.0	24.6	13.0	269
30 x 24	52.0	26.0	23.3	14.0	269
30 x 30	52.0	26.0	25.0	–	300
36 x 20	52.0	26.0	26.5	11.0	347
36 x 24	52.0	26.0	27.9	14.0	354
36 x 30	52.0	26.0	28.3	18.0	363
36 x 36	78.0	39.0	28.0	–	568

CRMC-VentPipe-000031

Y Pipe (Lateral)

All dimensions in inches. For O.D. and wall thickness see vent duct dimensions. Length to Toferances: 6"-12" ±0.25; 14"-36" ±0.50.



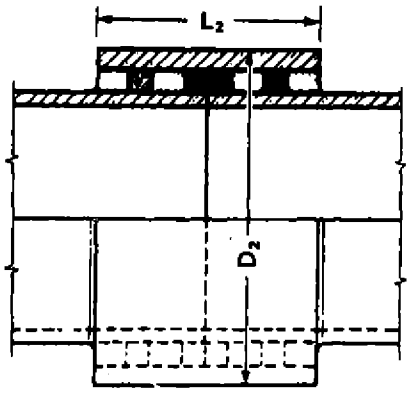


D_L x D_S	L	L_2	L_3	L_4	L_5	WT LBS
6 x 6	24.0	16.0	8.0	14.0	–	16
7 x 6	24.0	16.0	8.0	16.2	14.0	20
7 x 7	24.0	16.0	8.0	15.0	15.0	22
8 x 6	24.0	17.0	7.0	16.9	14.0	22
8 x 7	24.0	17.0	7.0	17.3	15.0	24
8 x 8	24.0	17.0	7.0	17.0	17.0	26
10 x 6	26.0	19.0	7.0	16.5	14.0	37
10 x 7	26.0	19.0	7.0	16.9	15.0	39
10 x 8	26.0	19.0	7.0	18.4	15.0	39
10 x 10	26.0	19.0	7.0	20.0	–	49
12 x 6	26.0	20.0	6.0	19.9	14.0	44
12 x 7	26.0	20.0	6.0	20.3	15.0	45
12 x 8	26.0	20.0	6.0	19.8	15.0	45
12 x 10	39.0	26.0	13.0	21.7	18.0	72
12 x 12	39.0	26.0	13.0	23.5	–	82
14 x 8	39.0	27.0	12.0	21.1	15.0	68
14 x 10	39.0	27.0	12.0	23.0	18.0	75
14 x 12	39.0	27.0	12.0	25.0	21.0	79
14 x 14	39.0	27.0	12.0	25.5	–	87
16 x 10	39.0	28.0	11.0	24.8	18.0	91
16 x 12	39.0	28.0	11.0	26.8	21.0	95
16 x 14	39.0	28.0	11.0	27.3	22.5	94
16 x 16	39.0	28.0	11.0	28.0	–	111
18 x 12	39.0	29.0	10.0	27.9	21.0	104
18 x 14	39.0	29.0	10.0	28.5	22.5	104
18 x 16	39.0	29.0	10.0	29.5	24.5	109
18 x 18	39.0	29.0	10.0	30.5	–	127
20 x 14	52.0	37.0	15.0	30.0	22.5	157
20 x 16	52.0	37.0	15.0	30.9	24.5	162
20 x 18	52.0	37.0	15.0	31.9	26.5	164
20 x 20	52.0	37.0	15.0	35.0	–	197
24 x 16	52.0	39.0	13.0	33.8	24.5	204
24 x 18	52.0	39.0	13.0	34.8	26.5	206
24 x 20	52.0	39.0	13.0	38.3	31.0	219
24 x 24	52.0	39.0	13.0	40.0	–	263
30 x 18	52.0	42.0	10.0	39.2	26.5	275
30 x 20	52.0	42.0	10.0	42.6	31.0	288
30 x 24	78.0	55.0	23.0	44.6	35.0	300
30 x 30	78.0	55.0	23.0	49.0	–	386
36 x 20	52.0	45.0	7.0	47.0	31.0	370
36 x 24	78.0	58.0	20.0	48.9	35.0	551
36 x 30	78.0	58.0	20.0	52.8	42.0	575
36 x 36	78.0	58.0	20.0	57.0	–	706

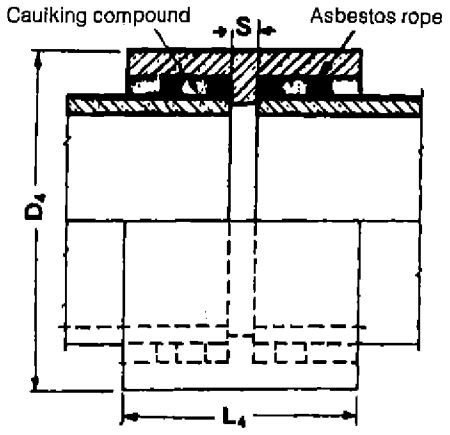
Size In	D_2 In	L_2 in	D_4 In	L_4 in	S in	Wt in lbs Sleeve	Wt in lbs Ribbed
6	9.0	6.0	8.50	6.50	.50	5.6	6.7
7	9.94	6.0	9.60	6.50	.50	6.6	7.7
8	11.00	6.0	10.60	6.50	.50	7.7	8.6
10	13.00	6.0	12.80	6.50	.50	9.2	11.6
12	15.20	8.0	15.12	8.50	.50	16.9	20.3
14	17.2	8.0	17.4	8.8	.75	19.0	29.0
16	19.4	8.0	19.6	8.8	.75	25.0	34.0
18	21.4	8.0	21.7	8.8	.75	28.0	41.0
20	23.4	10.0	24.0	10.8	.75	38.0	54.0
24	27.8	10.0	28.3	10.8	.75	45.0	70.0
30	34.5	12.0	34.6	12.8	.75	76.0	115.0
36	41.2	12.0	41.0	12.8	.75	103.0	145.0

SIZES 6"-36"

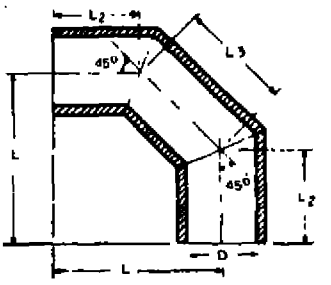
SLEEVE COUPLING
for joining plain-end duct lengths



RIBBED COUPLING
for vertical runs of duct and stacks



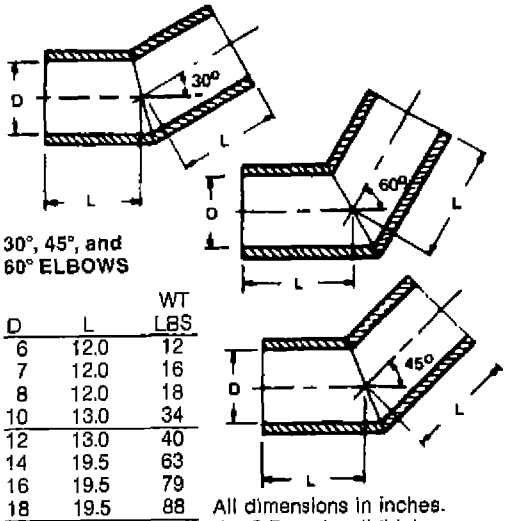
CRMC-VentPipe-000032



All dimensions in inches. For O.D. and wall thickness see vent duct dimensions.
Tolerances: L_2 & L_3 ±0.5; L ±1.0.

90° ELBOW

D	L	L_2	L_3	WT LBS
6	13.0	8.0	7.3	11
7	13.0	8.0	7.3	15
8	13.0	8.0	7.3	18
10	14.0	9.0	7.3	33
12	14.0	9.0	7.3	39
14	21.7	13.0	12.3	62
16	21.7	13.0	12.3	77
18	21.7	13.0	12.3	87
20	29.6	16.0	19.3	140
24	29.6	16.0	19.3	182
30	29.6	16.0	19.3	252
36	29.6	16.0	19.3	335



30°, 45°, and 60° ELBOWS

D	L	WT LBS
6	12.0	12
7	12.0	16
8	12.0	18
10	13.0	34
12	13.0	40
14	19.5	63
16	19.5	79
18	19.5	88
20	26.0	142
24	26.0	185
30	26.0	255
36	26.0	339

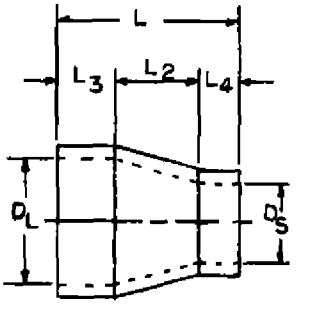
All dimensions in inches.
For O.D. and wall thickness see vent duct dimensions.
"L" tolerance ±0.5
Angle tolerance ±5°

JOINT CAULKING COMPOUND AND ROPE

I. V. CAULKING COMPOUND is a non-slump sealing compound of putty-like consistency. It can be worked by hand into strands of sufficient length and thickness for insertion into joint spaces. Thermo-Pac™500 ASBESTOS ROPE is used with I. V. Caulking Compound. The above two items are used in making joints with sleeve and ribbed couplings as shown in drawings at bottom of page 3.

CONCENTRIC REDUCER

All dimensions in inches. For O.D. and wall thickness see vent duct dimensions.



D_L x D_S	L	L_3	L_2	L_4	WT LBS
7 x 6	12.0	5.0	2.5	4.5	6.5
8 x 6	14.5	5.0	5.0	4.5	8.3
8 x 7	12.5	5.0	2.5	5.0	8.5
10 x 6	19.5	5.0	10.0	4.5	14.7
10 x 7	17.5	5.0	7.5	5.0	14.4
10 x 8	15.0	5.0	5.0	5.0	13.4
12 x 6	25.5	6.0	15.0	4.5	24.1
12 x 7	23.5	6.0	12.5	5.0	23.8
12 x 8	21.0	6.0	10.0	5.0	22.6
12 x 10	16.0	6.0	5.0	5.0	19.5
14 x 6	30.5	6.0	20.0	4.5	32.4
14 x 8	26.0	6.0	15.0	5.0	31.0
14 x 10	21.0	6.0	10.0	5.0	28.1
14 x 12	17.0	6.0	5.0	6.0	25.4
16 x 6	35.5	6.0	25.0	4.5	45.1
16 x 8	31.0	6.0	20.0	5.0	43.4
16 x 10	26.0	6.0	15.0	5.0	40.2
16 x 12	22.0	6.0	10.0	6.0	37.4
16 x 14	17.0	6.0	5.0	6.0	30.7
18 x 6	40.5	6.0	30.0	4.5	56.5
18 x 8	36.0	6.0	25.0	5.0	54.9
18 x 10	31.0	6.0	20.0	5.0	51.9
18 x 12	27.0	6.0	15.0	6.0	49.2
18 x 14	22.0	6.0	10.0	6.0	42.5
18 x 16	17.0	6.0	5.0	6.0	36.4

D_L x D_S	L	L_3	L_2	L_4	WT LBS
20 x 8	42.5	7.5	30.0	5.0	76.4
20 x 10	37.5	7.5	25.0	5.0	72.9
20 x 12	33.5	7.5	20.0	6.0	70.0
20 x 14	28.5	7.5	15.0	6.0	62.6
20 x 16	23.5	7.5	10.0	6.0	56.4
20 x 18	18.5	7.5	5.0	6.0	46.6
24 x 10	47.5	7.5	35.0	5.0	112.0
24 x 12	43.5	7.5	30.0	6.0	109.0
24 x 14	38.5	7.5	25.0	6.0	101.0
24 x 16	33.5	7.5	20.0	6.0	94.3
24 x 18	28.5	7.5	15.0	6.0	84.0
24 x 20	25.0	7.5	10.0	7.5	78.6
30 x 12	60.0	9.0	45.0	6.0	193.0
30 x 14	55.0	9.0	40.0	6.0	183.0
30 x 16	50.0	9.0	35.0	6.0	177.0
30 x 18	45.0	9.0	30.0	6.0	165.0
30 x 20	41.5	9.0	25.0	7.5	160.0
30 x 24	31.5	9.0	15.0	7.5	134.0
36 x 16	65.0	9.0	50.0	6.0	284.0
36 x 18	60.0	9.0	45.0	6.0	269.0
36 x 20	56.5	9.0	40.0	7.5	254.0
36 x 24	46.5	9.0	30.0	7.5	236.0
36 x 30	33.0	9.0	15.0	9.0	188.0

CRMC-VentPipe-000033

APPROXIMATE QUANTITIES OF I.V. CAULKING COMPOUND
AND ASBESTOS ROPE REQUIRED FOR EACH JOINT

I.V. Caulking Compound available in 60-lb cartons of 1-lb. and 5-lb. pigs. Asbestos Rope available in 10, 25, and 50-lb. coils, and ½", ⅝", ¾", and ⅞" diameter.

TRANSITE Vent Duct	Ribbed Coupling				Sleeve Coupling			
I.D.	Asbestos rope, ft. or lbs.			I.V. Caulking Compound lbs.	Asbestos rope, ft. or lbs.			I.V. Caulking Compound lbs.
	*D	feet	pounds		*D	feet	pounds	
6	⅜	9	.90	1.5	⅝	9	1.80	2.3
7	⅜	10	1.00	1.7	⅝	15	2.10	2.3
8	½	12	1.20	1.9	⅝	17	2.38	2.4
10	½	14	1.96	2.3	⅝	21	2.94	3.1
12	—	17	2.38	5.5	½	25	3.50	5.0
14	⅝	19	3.80	8.0	½	29	4.06	5.4
16	⅝	20	4.00	9.0	½	31	4.34	5.7
18	⅝	29	5.75	10.0	½	34	4.76	5.9
20	¾	38	9.50	12.7	⅜	51	5.10	8.7
24	¾	42	10.50	21.0	½	58	8.12	11.2
30	¾	54	13.50	26.6	⅝	90	18.00	28.0
36	¾	60	15.00	30.8	⅝	108	21.75	35.0

*D = Diameter in inches—NOTE: Quantities include allowance for lap and waste.

MATERIAL SPECIFICATION FOR VENT DUCT

Material: All duct and fittings used in natural or forced draft applications shall be Johns-Manville Transite Air/Vent Duct joined with Transite sleeve or ribbed couplings.

Installation: All pipe and fittings shall be installed as per drawings or manufacturer's latest installation guide.

The physical (or chemical) properties of Johns-Manville TRANSITE Air/Vent Duct represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The indicated minimum values are as shown. This information is supplied as a technical service and is subject to change without notice. Check the Johns-Manville Customer Service Center or Local Representative to assure current information.

CRMC-VentPipe-000034

For Information on other J-M Thermal Insulations and Systems, Write the Johns-Manville Insulation Center, Drawer 17L, Denver, Colorado 80217 or Call (303) 770-1000 Ext. 3111.



Johns-Manville

P.O. Box 5108 • Denver, Colorado 80217

CUSTOMER SERVICE CENTERS FOR TRANSITE PRODUCTS
FLORIDA – P.O. BOX 185, GREEN COVE SPRINGS, 32043, (904) 284-3091
CALIFORNIA – P.O. BOX 9067, LONG BEACH, 90810, (213) 634-6471
CALIFORNIA – P.O. BOX 1587, STOCKTON, 95201, (209) 982-1500
ILLINOIS – P.O. BOX 46, WAUKEGAN, 60085, (312) 623-2900
NEW JERSEY – MAIN ST., MANVILLE, 08835, (201) 725-5000
TEXAS – DENISON, 75020, (214) 465-6390

FG-415A 6-76

LITHO IN USA

AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF ADAMS)

I, Margaret J. Baumgardner, being of full age and first duly sworn do hereby state:

1. I am not a party to this action. I have personal knowledge of the facts set forth in this affidavit, and if called as a witness, I could and would competently testify as to the truth of the matters set forth herein.

2. I am the Research Coordinator for the Claims Resolution Management Corporation ("CRMC"), a wholly owned subsidiary of the Manville Personal Injury Settlement Trust ("Trust"). The CRMC was created in December 1998 and is staffed by former Trust employees. On January 1, 1999, CRMC began providing claims resolution facility services to the Trust.

3. In this position, I manage the Asbestos Claims Research Facility ("Facility"), a document and records repository located at 3390 Peoria Street, Suite 304, Aurora, Colorado. The Facility contains the business records including but not limited to correspondence, memoranda, reports, records and data compilations ("record") of Manville Corporation or related entities ("Manville"), generally, as well as Manville records relevant to litigation of asbestos liability. The Trust has managed and operated the Facility from November 28, 1988, the date on which the Manville bankruptcy plan was consummated.

4. My experience and familiarity with the documents at the Facility began in 1983 while working for Manville. In my work as a paralegal for Manville, I assisted in locating, indexing and packing many of the records which became the foundation documents for the Facility. I continued to work for Manville until September 1987. From March 1988 to September 1988, I was hired to supervise and assist in the indexing of the first 20,000 boxes which were turned over to the Trust in November 1988. From September 1988 to January 1989, I assisted in the privilege review of documents to be given to the Trust. From November 1988 to April 1994, I worked for Freeborn & Peters and was put in charge of the Facility, managing all productions and "new" acquisitions. In September 1995, I was hired by the Trust to manage the Facility. In December 1998, I was hired by

the CRMC to manage the Facility for the Trust. Accordingly, I am personally familiar with many of the records stored at the Facility, as well as how the records have been gathered.

5. To the best of my knowledge, information and belief, I certify that these records were made at or near the time by, or from information transmitted by, a person with knowledge, were kept in the course of the regularly conducted business activity of Manville, and it was the regular practice and the business activity of Manville to make the records.

6. Attached are documents found among the product file collections at the Facility. These documents, bates labeled CRMC-VentPipe-000001 through CRMC-VentPipe-000035, are true and correct copies of documents found at the Facility.

Margaret J. Baumgardner

Subscribed and sworn to before
me this 18th day of September, 2013.

AMY W BENHAM
NOTARY PUBLIC
STATE OF COLORADO
MY COMMISSION EXPIRES 05-23-2016

Notary Public