

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 9914340

Insp Area: 1

Site Address: 3006 K ST SAC

Parcel No: 007-0122-018

Sub-Type: ACOM

Housing (Y/N): N

CONTRACTOR

OWNER

MCDONALDS
3009 DOUGLAS BL #300
RSVL CA 95831

ARCHITECT

Nature of Work: CONVERT - REMODEL EXISTING BURGER KING INTO A MCDONALDS

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B1 License Number 470732 Date 2-23-00 Contractor Signature Bud Nauman

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

_____, I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

_____, I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

_____, I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature _____

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 2-23-00 Applicant/Agent Signature Sade Inc (Bud Nauman)

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

_____, I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier State Fund Policy Number 713-99-000207 Exp Date 10-1-00

_____, (This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 2-23-00 Applicant Signature Bud Nauman (Sade Inc)

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

**CITY OF SACRAMENTO
APPLICATION FOR COMMERCIAL BUILDING PERMIT**

DEVELOPMENT SERVICES DIVISION
PERMIT SERVICES SECTION

1231 I Street, Rm. 200
Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY # **9914340** Insp. Area **1C**

Applicant **MUST** complete ALL Unshaded areas

ADDRESS 3006 K Street Sacramento, CA 95816 Suite _____
PARCEL # _____

<p>CONTACT Name <u>Terry Grayson</u> <u>Jia Baker - Quality Project Mgmt.</u> Address <u>4993 Golden Foothill Pkwy. #3</u> <u>El Dorado Hills, CA 95762</u> Phone <u>933-4425</u> FAX <u>933-9832</u> E-mail <u>JBAKER@QPM LLC.COM</u></p>	<p>LICENSED CONTRACTOR Lic No. # _____ Name _____ Address _____ Phone _____ FAX _____ E-mail _____</p>
<p>ARCHITECT/ENGINEER Name <u>Mel Higginbotham - RMB Architects</u> <u>2277 Watt Ave</u> Address <u>Sacramento, CA 95825</u> Phone <u>488-8500</u> FAX <u>488-8566</u> E-mail <u>drafting@RMB Architects.com</u></p>	<p>OWNER Name <u>McDonald's Corporation</u> Address <u>3009 Douglas Blvd. #300</u> Roseville, CA <u>95661</u> Phone <u>972-4280</u> FAX <u>972-3599</u> E-mail <u>mikehogenboom@mc.com</u></p>

→ Will permittee have any employees on the jobsite? No Yes → INSURANCE CO: _____
→ WORKER'S COMPENSATION POLICY # _____ EXPIRATION DATE: _____

NATURE OF WORK IN DETAIL: Remodel existing Burger King into A. McDonalds.

OCCUPANT/TENANT: _____ VALUATION: \$ 175 K

FLOOD STATUS:				S.C.A.T.					
JOB DESCRIPTION	BLDG	SHELL	APT	TI()	REM()	SW	FIRE	ADD	<input checked="" type="checkbox"/> OTH
INSPECTION DISCIPLINES		<input checked="" type="checkbox"/> BLDG	<input checked="" type="checkbox"/> MECH	<input checked="" type="checkbox"/> PLUMB	<input checked="" type="checkbox"/> ELEC	<input checked="" type="checkbox"/> SITE	<input checked="" type="checkbox"/> FIRE		
# Stories	1st flr Area	Total Area	Use Zone	Occp Group	Const type	Fire Req. <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Fed Code	Vio. File	
		<u>3855</u>		<u>A3</u>	<u>VN</u>	<input checked="" type="checkbox"/> SPR / <input type="checkbox"/> ALARM	<u>18</u>	[H]	[Quad]
<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> L	<input checked="" type="checkbox"/> P	<input checked="" type="checkbox"/> M	<input checked="" type="checkbox"/> FE	<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/> S	D	PW	UTIL
<u>2-8-00 JST</u>	<u>2-9-00 JST</u>	<u>TR 12-22-00</u>	<u>KAW 2-10-00</u>	<u>2-14-00 T.M.</u>	<u>EHG 1-11-00</u>	<u>GRS 1-6-00</u>	<u>7/6</u>		

COMMENTS:
As Per Computer Screen. T.M. 2-14

REGIONAL SANITATION FEES? Yes No HEALTH DEPARTMENT? Yes No
WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS? Provided Faxed

Date of Request: 5-17-99
By: Bill Barber, GPM

CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST

Project Address: Box 6 K Street, Sacramento, CA

Assessor's Parcel Number: 007-0121-016

Previous Use: Beige King Restaurant

Description of Request/Proposed Use: convert to McDonald's Restaurant

Is This a Change of Use? W

Zoning Designation: C-2-SPD

Prior Applications for Project Site(P#, Z#, DRPB#): _____

Comments: OK to submit for plan
check. Regs Staff Design
Review Appl. (Not submitted
to date)

Are There Any Planning Issues?: (circle one) YES NO

- * Staff Site Plan Check Required? (Circle one) YES NO
- * Field Inspection Required? (Circle one) YES NO
- * Design Review/Preservation Required?: (Circle one) YES NO

Planning Review by/Date: W.J. Gour 12/17/99

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

MICROFILM AFTER FINAL

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. 6991
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Dining Area UNIT AC-D1

MOTOR NAMEPLATE DATA
 MFG GE FR -
 HP - V 208 FLA 6.6
 PH 1 SF 1.15 RPM 1725
 SHEAVE DATA:
 DIA Direct SHAFT Drive
 ADJ % - FIXED -
FAN NAMEPLATE DATA
 MFG York
 MODEL DTCG060N
 TYPE Package
 SIZE NAJM006423
 SHEAVE DATA:
 DIA _____ SHAFT _____
 BELTS _____

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	211	211	
AMPS	5.4	5.4	
BHP			
RPM	High	High	
SP -		814	
SP +		.22	
ETSP		.36	
FILTER SP	.08	.08	
CFM TOTAL	2000	2000	
CFM RA	1480	1542	
CFM OA	520	458	

FAN DESIGN DATA CFM 1950 SP _____ RPM _____ BHP _____
 OA- 450

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
	<u>Supply</u>											
	1	CS			1150		1190		1190			
	2	CS	14x14	1.0	400		410		410			
	3	CS	14x14	1.0	400		400		400			
					1950		2000		2000			
	<u>Return</u>											
	R-1	CR	25 1/2 x 25 1/2	4.52	332	1500	327	1480	341	1542		

REMARKS: _____

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. 6991
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Dining Area UNIT AC-02

MOTOR NAMEPLATE DATA

MFG GE FR -
 HP - V 208 FLA 6.6
 PH 1 SF 1.15 RPM 1725

SHEAVE DATA:
 DIA Direct SHAFT Drive
 ADJ % FIXED -

FAN NAMEPLATE DATA

MFG York
 MODEL D76G060N
 TYPE Package
 SIZE NH11M106866

SHEAVE DATA:
 DIA - SHAFT -
 BELTS -

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	211	211	
AMPS	5.2	5.2	
BHP			
RPM	High	High	
SP -		0.12	
SP +		0.24	
TSP		0.36	
FILTER SP	0.08	0.08	
CFM TOTAL	1975	1960	
CFM RA	1952	1493	
CFM OA	23	467	

FAN DESIGN DATA

CFM 1950 SP _____ RPM _____ BHP _____
 OA - 450

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
					<u>Supply</u>							
	-4					1550		1275		1520		
	-5	CS	14x14	1.0		400		700		440		
	-6	CS	14x14	1.0		0		-		-		
						1950		1975		1960		
					<u>Return</u>							
	-R-2	CR	25x25x2	4.52	332	1500	432	1952	330	1493		

REMARKS: 1) Not installed. Add 400cfm to Outlet #14.

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. 6991
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Kitchen UNIT AC-K1

MOTOR NAMEPLATE DATA

MFG GE FR -
 HP 1.50 V 208 FLA 5.2
 PH 3 SF 1.15 RPM 1725

SHEAVE DATA:
 DIA 1VL44 SHAFT 7/8"
 ADJ % MIN FIXED -

FAN NAMEPLATE DATA

MFG York
 MODEL D2C6072N
 TYPE Package
 SIZE NB5M016089

SHEAVE DATA:
 DIA AH56 SHAFT 1"
 BELTS (1) A38

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	212	211	211
AMPS	3.3/3.5/3.1	4.6/4.6/4.4	5.2/5.1/5.2
BHP	.95	1.31	1.49
RPM	1047	1180	1224
SP -			.15
SP +			.50
TSP			.65
FILTER SP	.08	.08	.08
CFM TOTAL	1965	2115	2390
CFM RA	575	820	960
CFM OA	1390	1295	1430

Save AS
C K-2

FAN DESIGN DATA

CFM 2400 E SP .50 RPM _____ BHP _____
 OA: 1415

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3		
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM	
					<u>Supply</u>								
	7	CD	14x14	1.0	450	475	500	445					
	8		14x14		450	390	425	460					
	9		12x12		300	295	325	310					
	10		12x12		300	270	275	295					
	11		8x8		100	95	95	95					
	12		8x8		150	90	110	155					
	13		8x8		150	100	115	160					
	14		8x8		100	50	50	90					
	15		12x12		400	200	220	380					
					2400	1965	2115	2390					
					<u>Return</u>								
	R-3	CR	22x22	1.0	985	575	820	960					

REMARKS: _____

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. 6991
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Kitchen UNIT AC-K2

MOTOR NAMEPLATE DATA

MFG GE FR _____
 HP 1.5 V 208 FLA 5.2
 PH 3 SF 1.15 RPM 1725

SHEAVE DATA:

DIA 1 1/4 SHAFT 7/8
 ADJ _____ % FIXED

FAN NAMEPLATE DATA

MFG D2C6072N g
 MODEL York
 TYPE Package
 SIZE NBYMD 19791

SHEAVE DATA:

DIA AK56 SHAFT 1"
 BELTS 1A38

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	212	212	212
AMPS	2.9/3.2/3.0	5.0/5.2/4.9	5.0/5.2/4.9
BHP	.88	1.45	1.45
RPM	990	1212	1212
SP -	/	/	.20
SP +	/	/	.55
E*SP	/	/	.75
FILTER SP	.08	.08	.08
CFM TOTAL	1710	2190	2180
CFM RA	800	1050	1050
CFM OA			

FAN DESIGN DATA

CFM 2400 SP _____ RPM _____ BHP _____
 OA - 1080

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
<u>Supply</u>												
	16	CS	14x14	1.0	600	600	450	580	550	550	550	550
	17	↓	↓	↓	600	600	560	450	535	535	535	535
	18	↓	↓	↓	600	600	490	630	550	550	550	550
	19	↓	↓	↓	600	600	410	530	545	545	545	545
					2400	2400	1710	2190	2180	2180	2180	2180
<u>Return</u>												
	R-4	CR	22x22	1.0	1080	1080	800	1050	1050	1050	1050	1050

REMARKS: _____



CIRCO SYSTEM BALANCE, INC.

SB JOB NO. _____
SECTION _____ PAGE _____
DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Kitchen Hood UNIT EF-1 (Hood)

Same
as EF-2

MOTOR NAMEPLATE DATA

MFG Marathon FR 56
HP .5 V 115 FLA 5.2
PH 1 SF 1.25 RPM 1725
SHEAVE DATA:
DIA 1 1/2 SHAFT 5/8"
ADJ --- % M.V. FIXED ---

FAN NAMEPLATE DATA

MFG Greenheck
MODEL M^cCube-140-5G
TYPE Curv
SIZE 001303786
SHEAVE DATA:
DIA AH41 SHAFT 3/4"
BELTS (1) 4L250

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	120	120	
AMPS	3.1	6.5	
BHP	.30	.62	
RPM	1152	1563	
SP -			
SP +			
TSP			
FILTER SP			
CFM TOTAL	863	1240	
CFM RA	---	---	
CFM OA	---	---	

FAN DESIGN DATA

CFM 1175 SP _____ RPM _____ BHP _____
M.V. - 1162

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3		
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM	
					<u>Exhaust</u>								
	H1	GT	7 1/4 x 17	.86			239	206	321	276			
	H2	↓	↓	↓			261	217	389	335			
	H3	↓	↓	↓			279	232	388	334			
	H4	↓	↓	↓			251	208	343	295			
							1175	863	1240				

REMARKS: 80" Hood

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. _____
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Kitchen Hood UNIT EF-2 (Hood)

MOTOR NAMEPLATE DATA

MFG Marathon FR 56
 HP .5 V 115 FLA 5.2
 PH 1 SF 1.25 RPM 1725

SHEAVE DATA:

DIA 1 1/2 SHAFT 5/8"
 ADJ % MTR FIXED -

FAN NAMEPLATE DATA

MFG Greenheck
 MODEL McLube-140-5G
 TYPE Curb
 SIZE 00803785

SHEAVE DATA:

DIA 4x4 SHAFT 3/4"
 BELTS (1) 4L250

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	119	119	119
AMPS	2.8	3.9	6.0
BHP	.27	.38	.58
RPM	1121	1347	1601
SP -	/	/	/
SP +	/	/	/
TSP	/	/	/
FILTER SP	/	/	/
CFM TOTAL	348	436	697
CFM RA	-	-	-
CFM OA	-	-	-

FAN DESIGN DATA

CFM 720 SP _____ RPM _____ BHP _____
 m.n. 692

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
					Exhaust							
	H5	GT	7/8x12 1/2	.63			104	66	160	101	263	166
	H6	↓	↓				157	99	187	115	284	179
	H7	↓	↓				167	106	195	123	291	183
	H8	↓	↓				123	77	154	97	269	169
							720	348	436		697	

REMARKS: _____

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. _____
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Kitchen Hood UNIT EF-3 (Hood)

MOTOR NAMEPLATE DATA

MFG Magrath FR 56
 HP .5 V 115 FLA 52
 PH 1 SF 1.25 RPM 1725

SHEAVE DATA:
 DIA 1 1/2 SHAFT 3/8"
 ADJ 0 % FIXED

FAN NAMEPLATE DATA

MFG Greenheck
 MODEL m/cube-140-50
 TYPE Curb
 SIZE 00B02731

SHEAVE DATA:
 DIA 1 1/4" SHAFT 3/4"
 BELTS 1) 4L250

same
EF-2

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	121	121	121
AMPS	2.9	3.5	4.6
BHP	.28	.34	.44
RPM	1126	1309	1474
SP -	/	/	/
SP +	/	/	/
TSP	/	/	/
FILTER SP	/	/	/
CFM TOTAL	338	425	534
CFM RA	-	-	-
CFM OA	-	-	-

FAN DESIGN DATA

CFM 550 SP _____ RPM _____ BHP _____
 min. 411

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3		
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM	
					<u>Exhaust</u>								
	H9	GT	7 1/4 x 12 1/2	.63			188	106	211	133	269	169	
	H10	↓	↓				196	123	241	152	293	185	
	H11	↓	↓				173	109	223	140	285	180	
							550	338	425	534			

REMARKS _____

CIRCO SYSTEM BALANCE, INC.

SB JOB NO. _____
 SECTION _____ PAGE _____
 DATE 3-23-00

FAN & OUTLET TEST SHEET

AREA SERVED Rest rooms UNIT EF-4

MOTOR NAMEPLATE DATA

MFG FASCO FR -
 HP .25 V 115 FLA 4.1
 PH 1 SF - RPM 1725

SHEAVE DATA:
 DIA CV34 SHAFT 1/2
 ADJ % Mid FIXED _____

FAN NAMEPLATE DATA

MFG Greenheck
 MODEL MCOB-80-4X
 TYPE Curb
 SIZE 99K19067

SHEAVE DATA:
 DIA AX34 SHAFT 3/4"
 BELTS 114200

DATA ITEM	TEST 1	TEST 2	TEST 3
VOLTS	119	119	
AMPS	2.8	3.4	
BHP	.17	.21	
RPM	1369	1579	
SP -			
SP +			
TSP			
FILTER SP			
CFM TOTAL	600	740	
CFM RA			
CFM OA			

FAN DESIGN DATA

CFM 750 SP _____ RPM _____ BHP _____

ROOM	OPENING			FAC TOR	DESIGN		TEST 1		TEST 2		TEST 3		
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM	
					<u>Exhaust</u>								
	<u>E1</u>	<u>CE</u>	<u>22x22</u>	<u>1.0</u>		<u>250</u>		<u>200</u>		<u>260</u>			
	<u>E2</u>	<u>↓</u>	<u>8x8</u>	<u>↓</u>		<u>125</u>		<u>105</u>		<u>120</u>			
	<u>E3</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>125</u>		<u>95</u>		<u>120</u>			
	<u>E4</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>125</u>		<u>105</u>		<u>120</u>			
	<u>E5</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>		<u>125</u>		<u>95</u>		<u>120</u>			
						<u>750</u>		<u>600</u>		<u>740</u>			

REMARKS: _____

**KAY CHEMICAL COMPANY**

March 28, 2000

McDonald's 25599
3006 "K" Street
Sacramento, CA 95816

Re: Backflow Protection on Chemical Dispensers

To Whom It May Concern:

It has come to my attention that questions have been raised about the adequacy of air gap eductors as backflow protection on our chemical dispensing systems.

The SmartSink™/SmartShape™ System is well protected against backflow. The system comes equipped with air gap eductors manufactured by Hydro Systems Company. The self-contained 1-inch air gap per ANSI A112.1.2, Air Gaps in Plumbing Systems, acts as a Type A backflow preventer and establishes product compliance with ASSE Standard 1055 – Performance Requirements for Chemical Dispensing Systems, 1997.

The eductor consists of a nozzle physically separated from a venturi section where cleaning agents are drawn into the flowing water and mixed as the stream exits the unit. This eductor with a built-in air gap has been tested and approved by numerous national and international authorities. According to the 1997 Uniform Plumbing Code, the air gap is an approved backflow prevention device for both low hazard and high hazard pollution.

In summary, Kay Chemical Company submits its equipment for independent third party analysis by an engineering laboratory certified by IAPMO. In our case, the Center of Environmental Engineering at the Stevens Institute of Technology, has analyzed our equipment and concluded that it was adequately designed, and recommended its acceptance by local code authorities. A copy of this report will be made available upon request.

Hopefully the information provided has answered any questions that you may have had about our dispensing systems. However, if you require further assistance, please don't hesitate to contact me at 800-333-4300 ext. 295. Thank you.

Sincerely,

KAY CHEMICAL COMPANY

Michelle L. Meade
Regulatory Specialist – Equipment

Enclosures

8300 CAPITAL DRIVE • GREENSBORO, NC 27409, USA • (336)688-7290
TOLL-FREE (800)333-4300 • FAX(336) 668-9763



THEORY OF OPERATION

The SmartSink™ System is a button- and/or bottle-activated system that automatically dispenses cleaning solutions mixed to their correct ratios. Because of the modular design, dispensers can be installed individually or combined to meet specific requirements.

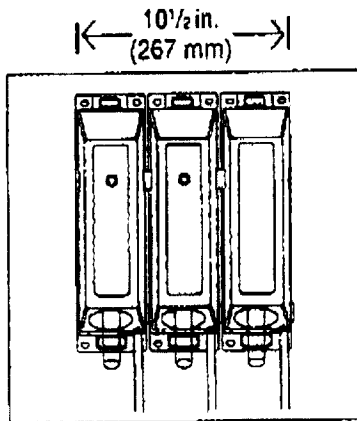
The button-activated dispenser uses a manually operated water valve that allows water to flow through a Venturi proportioner to draw concentrated product and mix it with water to the proper ratio. The air gap eductor is an unobstructed, vertical distance through the air that separates an outlet of the potable water supply from any potentially contaminated source. The air gap ensures maximum and reliable backflow protection.

Each bottle-activated dispenser is configured to allow product dispensing only into the appropriate spray bottle. Each bottle features a specific, geometric neck shape that matches the inlet of the appropriate dispenser. This lock-out feature prevents product from being dispensed into improper containers. Inserting a bottle into the dispenser activates the water valve and allows water and product to be properly mixed and dispensed.

DIMENSIONS

Single Dispenser

- Height: 13 1/8 in. (333 mm)
- Width: 3 1/2 in. (83 mm)
- Depth: 5 5/8 in. (135 mm)



Air Gap Eductor

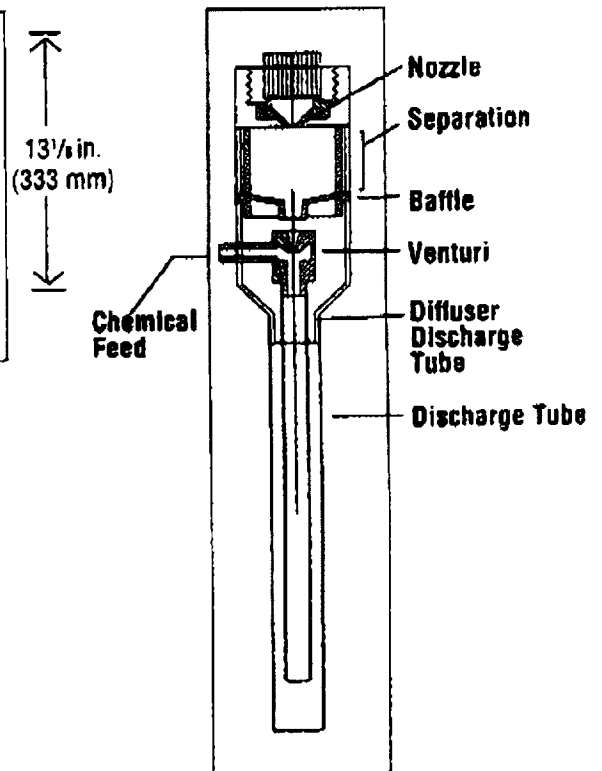
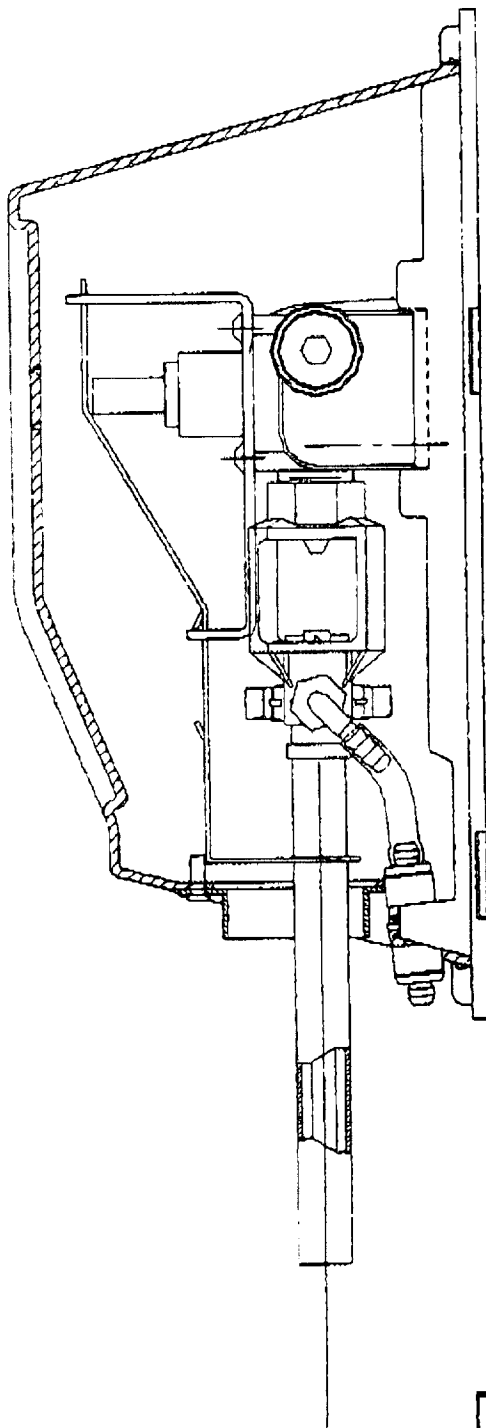


FIGURE 1
BOTTLE ACTIVATED SPRAY BOTTLE FILLER
KAY CHEMICAL COMPANY



Center for Environmental Engineering
Stevens Institute of Technology
Hoboken, New Jersey
August 4, 1998

MEMORANDUM

SACRAMENTO FIRE DEPARTMENT

TO: BUILDING DEPARTMENT

DATE: 3-24-00

FROM: Troy Malaspino
Fire Marshal

SUBJECT: FIRE SYSTEM INSPECTION

A final inspection of the newly installed fire system at:

3006 K SE

has been conducted by Inspector BODICK

on 3-24-00

99-17340

Permit Number

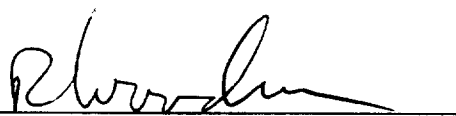
3,855 sq

Square Footage

REMODEL

Type of Inspection

The system is acceptable by this department.



By: Ross L. Woodman,
Fire Prevention Officer II

TI-534

F. D. Reference Number