

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0002978
Insp Area: 2

Site Address: 1942 BROADWAY SAC
Parcel No: 010-0215-009

Sub-Type: ACOM
Housing (Y/N): N

CONTRACTOR

OWNER
CHUK PAUL Y L/STELLA W L
10 WINDSTONE CT
SACRAMENTO CA 95831

ARCHITECT

**Nature of Work: EXTERIOR AND INTERIOR REMODEL INCLUDING LANDSCAPING,
PLBG/MECH, ELECTRICAL**

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 _____ License Number _____ Date _____ Contractor Signature _____

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 4/7/00 Owner Signature Paul Y L Chuk

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 4/7/00 Applicant/Agent Signature Paul Y L Chuk

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 _____ Policy Number _____ Exp Date _____

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 will forthwith comply with those provisions.

Date 4/7/00 Applicant Signature Paul Y L Chuk


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

CERTIFICATE OF OCCUPANCY

For Information Contact (916) 264-5716

Building Address: 1928 BROADWAY Permit No.: 0002978
Building Use: RETAIL SHOPS Occupancy: M
Building Owner: CHUK PAUL Construction Type: _____
Owner Address: SACRAMENTO, CA Sprinkled? [] Yes [X] No
Portion of Building Occupied: ENTIRE Area: 10300 Sq. Ft.
12/18/02 LESLIE LUNDHOLM  DENNIS RICHARDSON
Date By: (Print) Sign CHIEF BUILDING OFFICIAL

[Finaled By:VF,LLS,AC,GRS,SB]

This Certificate, issued pursuant to the requirements of Section 109 of the Uniform Building Code, certifies that at time of issuance the described portion of the building has been inspected for compliance with the Uniform Building Code, as adopted per Title 15 of the Sacramento City Code for the group and division of occupancy and use for which the proposed occupancy is classified. Issuance of this certificate shall not be construed as an approval of a violation of any Codes, or Federal, State and City Laws or Ordinances. Certificates presuming to give authority to such violation shall not be valid. This certificate shall be posted in a conspicuous place on the premises and shall not be removed except by the Chief Building Official. No changes shall be made in the character of occupancy or use without approval of the Chief Building Official.

POST IN A CONSPICUOUS PLACE

BERNARD CHAN; P. E.

December 17, 2002

City of Sacramento – Building/Life Safety Department
Sacramento CA

SUBJECT: 1928 BROADWAY SACRAMENTO.

Permit No: 00-02978

To Whom It May Concern:

The remodel project at above address has been completed, I personal did all welding inspection and anchorage inspection, which were meet the specification.
If you have any question, please contact me at 916-359-1818.

Sincerely,

Bernard Chan; P.E.



OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) _____
2. I (have have not) _____ signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name TBD Address _____

City _____ Telephone _____

Contractors License No. _____

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name _____ Address _____

City _____ Telephone _____

Contractors License No. _____

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work

X Signed Paul Y.L. Chiu

Job Address 1942 BROADWAY x DATE 11/7/00

Permit No: 0002978

Date of Request: _____

By: _____

CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST

Project Address: 1942 BROADWAY

Assessor's Parcel Number: 010-0215-010

Previous Use: Retail

Description of Request/Proposed Use: Remodel + add parking

Is This a Change of Use? _____

Prior Applications for Project Site(P#, Z#, DRPB#): E98-125, DR98-124 Zoning Designation: C-2

Comments: Merger (E98-125) is complete and Cont. of
Compl. recorded. Needs site plan
check to comply with conditions
of (DR 98-124)

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. Bour 3/23/00

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

MICROFILM AFTER FINAL

City of Sacramento
Water and Sewer Service Quotation
 FY 99/00

Date: 08/17/00	Time:	Planning No.: Z98-125	Plan Check No.: 0002978
Address: 1942 Broadway		Parcel No.: 010-0215-009	
Description: Building remodel along with site work			
Subdivision Map: Sutter Terrace Addition (891)			Water Page No.: 26
Estimate By: Dilley		Project Engineer: Bernard Chan	
Engineering Firm: Bernard Chan		Phone No.: 322-9275	
		Fax No.:	
Sewer Jurisdiction: <input type="checkbox"/> County <input checked="" type="checkbox"/> City			
Comment No.1 1-2" meter only for existing service. Comment No.2 1-3/4" meter only for existing service. Comment No.3 Excess services previously abandoned, 4/99. Comment No.4 Comment No.5 Comment No.6			
TOTAL WATER DEV. FEES: \$0		9 hrs x \$75 per hour = \$675	
TOTAL SEWER DEV. FEES: \$0		or \$300.00 (whichever is greater)	
		Total on-site grading and drainage review fee: \$675	

*Sutter
BX*

Water Service Quotations

Main Size	Serv. Size			St. Tap	Esmt. Tap	Description	No. of Tap	No. of Meter	Tap Fee/ea.	Meter Fee/ea.	Total Tap cost	Development Fees
	D	I	F									
6"	2"					Meter only		1		\$610	\$610	
6"		3/4"				Meter only		1		\$300	\$300	
											\$0	
											\$0	
											\$0	
											\$0	
4" TAP AND 3" METER												
											n/a	
											n/a	
ABANDONMENT												
	Abandon				in.							
	Abandon				in.							
CREDIT												
	Credit for				in.			1				
	Credit for				in.			1				
								0	Fire Hydrant			
Total for Water											\$910	\$0

Sewer Service Quotations

Main Size	Service Size	Description	QTY	Full St W (FT)	No. OF MH	Total Tap cost	Development Fees
		Development Fee Only				\$0	
		Easement Tap + MH + Dev. Fee				\$0	
		Street Tap + MH + Dev. Fee				\$0	
		Credit					\$0
Total for Sewer						\$0	\$0

Note: Total cost = Qty. x Street/2 x Tap Fee + MH Fee, MH Fee is \$1200.00

Sewer Tap Construction Charge: **\$0**
 Water Main Construction Charge: **\$910**
Total For Address: \$910

CITY OF SACRAMENTO
BUILDING INSPECTION DIVISION
APPLICATION FOR BUILDING PERMIT - HAZARDOUS MATERIAL SURVEY

As Required by Assembly Bill #3205 - A Building Permit Cannot be Approved Without This Completed Form

1. Business Name: Paul Chuk Phone: 457-8353
 Site Address: 1942 BROADWAY Suite: _____
 Business Owner/Representative: Paul Chuk Phone: 457-8353
 Nature of Business: Retail
 Property Owner: Paul Chuk Phone: 457-8353
 Address: 10, Windstone Ct. Suite: _____
Sacto (City) Calif (State) 95831 (Zip)

2. Are you developing an undetermined tenant space? Yes ___ No ___ Is this permit for a shell building? Yes No ___

Notify lessee of the responsibility to coordinate with the Fire Department regarding the use and handling of hazardous materials.

3. Does/Will your business generate hazardous waste? Yes ___ No

4. Does/Will your business handle, store or transport any solid, liquid, or gaseous chemicals? Yes ___ No

CONSULT THE EPA CHEMICAL LIST LOCATED AT THE BUILDING DIVISION COUNTER FOR HAZARDOUS OR ACUTELY HAZARDOUS MATERIALS TO COMPLETE THE FOLLOWING QUESTIONS.

If you answered "YES" to questions #3 and/or #4 above, continue on to questions 5 - 8.

5. Do you handle, store, or transport 55 gallons, 500 pounds, or 200 cubic feet (at Standard Temperature or Pressure) of a product or formulation containing hazardous materials at any one time? Yes ___ No ___

6. Do you handle, store or transport any amount of acutely hazardous materials? Yes ___ No ___

7. Is/Will your business be located within 1,000 feet of a school? Yes ___ No ___

If you answered "yes" to questions #6 and/or #7, complete the RMPP informational sheet.

8. Is/Will your business be located within 1,000 feet of a hospital, and/or long-term healthcare facility? Yes ___ No ___

IF YOU ANSWERED "YES" TO QUESTION #3 AND/OR #4, PLEASE CONTACT THE CITY OF SACRAMENTO FIRE DEPARTMENT LOCATED AT 1231 I STREET, SUITE 401, SACRAMENTO, CA OR CALL 449-5416.

Prior to issuance of a certificate of occupancy, each business owner(s) shall contact the City of Sacramento Fire Department and comply with the Health and Safety Code regarding the use and handling of hazardous materials.

PENALTY: Any business that violates Section 25531-25541 of the Health and Safety Code shall be civilly liable to the administering agency in an amount of not more than two thousand dollars (\$2,000) for each day in which the violation occurs. If the violation results in, or significantly contributes to, an emergency, including a fire, the business shall also be assessed the full cost of the city emergency response, as well as the cost of cleaning up and disposing of the hazardous materials. Additional liability and punishment may be assessed for knowing a violation after reasonable notice of the violation.

Applicant's Name: Paul Y. C. Chuk
 (Print)
Paul Y. C. Chuk (Signature) 10/17/00 (Date)

BID Use Only: Plan, Ck# <u>0002978</u> Permit # <u>0002978</u>
OK to issue prmt? <u>Yes</u> <u>11/17/00</u> F.D. Appr Req'd? <u>Yes</u> No
init date
Hold on Certificate of Occupancy? <u>Yes</u> No
Fire Dept. Use Only:
OK to issue permit? ini' _____ date _____
OK to issue Certificate of Occupancy? init _____ date _____

CIRCO System Balance, Inc.

Contractor License #624117

AIR - HYDRONIC - TEMPERATURE - SOUND - SYSTEM SURVEY

4100 FLORIN-PERKINS RD.

SACRAMENTO, CA. 95826

(916) 387-5100

FAX (916) 387-5101

September 18, 2002

902-8370-B1

AIR BALANCE REPORT

1928 BROADWAY
SACRAMENTO, CALIFORNIA

CONTRACTOR:

J.C. MAC

TEST PERFORMED BY:

KEVIN BURLEIGH



CHARTER MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

TABLE OF CONTENTS

SECTION	DESCRIPTION
1	REMARKS CONCERNING BALANCING PROCEDURES
2	AC-1 THROUGH AC-5 DATA
3	CEF-1 THROUGH CEF-4 DATA



AABC

CHARTER MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

SECTION ONE

1. THE TOTAL AIR DELIVERY OF EACH FAN WAS ESTABLISHED BY OUTLET TOTAL AND DOES NOT INCLUDE POSSIBLE DUCT LEAKAGE.
2. THE SCHEMATIC LOCATED IN THE FRONT OF EACH SECTION IS KEYED TO THE CORRESPONDING FAN AND OUTLET TEST SHEETS.
3. FOR FURTHER NOTES CONCERNING BALANCE, SEE PAGE ONE OF EACH SECTION.
4. FOLLOWING THIS SHEET ARE:
 1. SYMBOL SHEET
 2. FLOWHOOD DATA

CIRCO System Balance, Inc.

SYMBOL SHEET

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CFM	CUBIC FEET PER MINUTE	ΔT	DIFFERENTIAL TEMPERATURE
FPM	FEET PER MINUTE	ΔP	DIFFERENTIAL PRESSURE
FACTOR	BALANCE FACTOR-SQUARE FEET	P.D.	PRESSURE DROP
CSD	CEILING SUPPLY DIFFUSER	H.D.	HEAD-FEET OF WATER
RG	RETURN GRILLE	W.G.	WATER GAUGE
CRR	CEILING RETURN REGISTER	W.C.	WATER COLUMN
WR	WALL REGISTER	CHW	CHILLED WATER
LT	LIGHT TROFFER	C.W.	CONDENSER WATER
LSD	LINEAR SLOT DIFFUSER	H.W.	HEATING WATER
VAV	VARIABLE AIR VOLUME BOX	E.W.T.	ENTERING WATER TEMPERATURE
T-STAT	THERMOSTAT	L.W.T.	LEAVING WATER TEMPERATURE
D.A.	DIRECT ACTING	CC	COOLING COIL
R.A.	REVERSE ACTING	SC	STEAM COIL
D.D.C.	DIRECT DIGITAL CONTROL	P.HC	PREHEAT COIL
N/I	NOT INSTALLED	H.C.	HEATING COIL
N/L	NOT LISTED	R.H.C.	REHEAT COIL
N/A	NOT ACCESSIBLE	E.D.H.	ELECTRIC DUCT HEATER
F.L.A.	FULL LOAD AMPS @ NAMEPLATE	P.P.	PETES PLUG
V	VOLTS	O.A.T.	OUTSIDE AIR TEMPERATURE
PH	PHASE	R.A.T.	RETURN AIR TEMPERATURE
HP	HORSEPOWER	M.A.T.	MIXED AIR TEMPERATURES
BHP	BRAKE HORSEPOWER	O.A.T.-DB	D.B. OUTSIDE AIR TEMP-DRY BULB
SP-	NEGATIVE STATIC PRESSURE	E.A.T.-DB	ENTERING AIR TEMP-DRY BULB
SP+	POSITIVE STATIC PRESSURE	L.A.T.-DB	LEAVING AIR TEMP-DRY BLUB
T.S.P.	TOTAL STATIC PRESSURE	E.A.T.-WB	ENTERING AIR TEMP-WET BLUB
E.T.S.P.	EXTERNAL TOTAL STATIC PRESSURE	L.A.T.-WB	LEAVING AIR TEMP-WET BULB
V.P.	VELOCITY PRESSURE	N.A.	NOT AVAILABLE
OSA	OUTSIDE AIR	CD	CEILING DIFFUSER
RA	RETURN AIR	CR	CEILING RETURN
T.G.	TRANSFER GRILLE	CE	CEILING EXHAUST

Calibration Data Sheet

FLOWHOOD DATA
SERIAL # BR4786
MODEL # 634-513-044

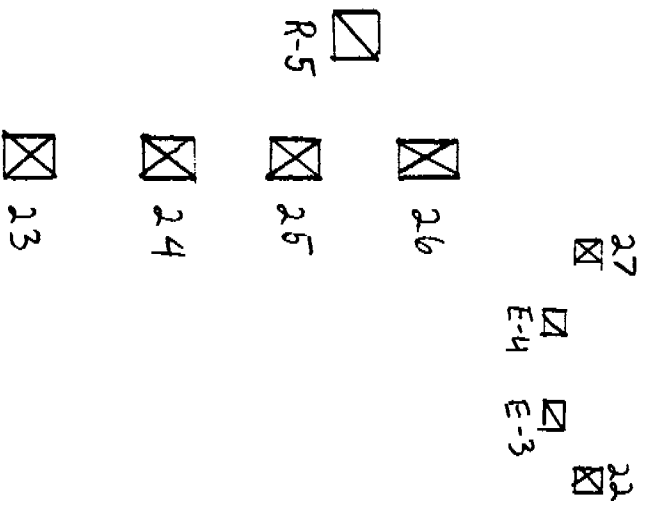
DATE TESTED: 8-8-01
TESTED BY: <i>[Signature]</i>
TEST DATA READ IN: <u>CFM</u> FPM VP SP

FLOWHOOD RANGE	CALIBRATED FLOW READING	FLOWHOOD ACTUAL READING	CALIBRATED HOOD READING
800/2000	10.0 = 1550	1450	1550
	8.2 = 1400	1350	1400
	3.2 = 875	800	880
400/1000	2.3 = 740	720	740
	1.2 = 540	530	540
	.92 = 465	460	460
100/500	.92 = 465	460	460
	.78 = 430	425	-
	.39 = 305	290	305
	.12 = 170	165	170
0/250 With low flow plate installed	.23 = 230	230	-
	.18 = 210	210	-
	.10 = 150	145	-
	.04 = 98	95	-
	.02 = 69	65	-

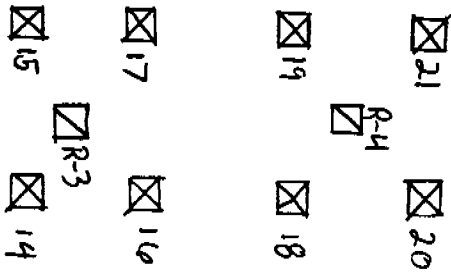
THE CALIBRATION TEST DATA WAS ESTABLISHED BY AN IN HOUSE CALIBRATED 8" ORIFICE PLATE AND FLOW CURVE CHARTS. AS RECOMMENDED BY A A B C STANDARDS IT WILL BE RECHECKED BY MEANS OF DUCT TRAVERSE IN THE FIELD. THIS EQUIPMENT HAS BEEN CALIBRATED USING STANDARDS WHOSE ACCURACIES ARE TRACEABLE TO A CALIBRATED ORIFICE PLATE.



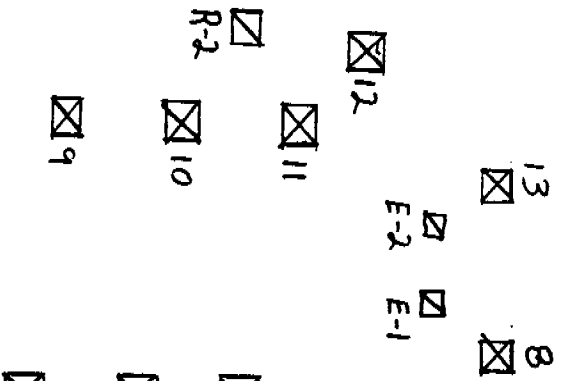
1988



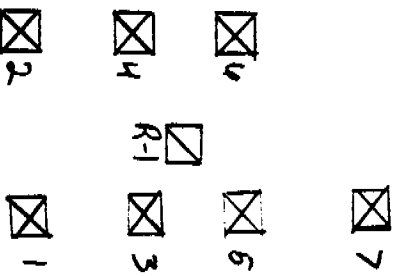
1968



1938



1928



- 1) AIR QUANTITIES NOT AVAILABLE FOR UNITS, HAD TO SET FOR TONNAGE.
- 2) AC-2 & AC-5 HAD NO DAMPERS.
- 3) SET BATHROOM SUPPLY AIR BELOW EXHAUST CFM.



AABC

CHARTER MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

CIRCO System Balance, Inc.

SB JOB# **8370**
 SECTION **2** PAGE **2**
 DATE **September 9, 2002**

FAN & OUTLET TEST SHEET

AREA SERVED **1928** UNIT **AC-1**

MOTOR NAMEPLATE DATA

MFG **GE** FR **56H**
 HP **1 1/2** V **230** FLA **5.8**
 PH **3** SF **1.15** RPM **1725**

SHEAVE DATA:

DIA **1VL40** SHAFT **5/8"**
 ADJ % **MAX** FIXED

FAN NAMEPLATE DATA

MFG **RUUD**
 MODEL # **UKKA-A073CL13X**
 TYPE **PACKAGE**
 SIZE **-**

SHEAVE DATA:

DIA **AK66** SHAFT **3/4"**
 BELTS **(1) A40**

DATA	TEST 1	TEST 2	TEST 3
VOLTS	245	245	
AMPS	3.4/3.1/3.7	3.8/3.4/4.1	
B.H.P.	.88	.97	
R.P.M.	968	1084	
S.P. -	-	.37	
S.P. +	-	.24	
T.S.P.	-	.61	
FILTER S.P.	-	.12	
CFM TOTAL	2250	2400	
CFM R.A.	1850	1850	
CFM O.A.	400	550	

FAN DESIGN DATA

CFM **3900** SP **-** RPM **-** BHP **-**
 MIN. O.A. **585**

ROOM	OPENING			FACTOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						SUPPLY						
	1	CD	14X14	1.00		550		465		340		
	2	CD	14X14	1.00		550		340		350		
	3	CD	14X14	1.00		550		250		340		
	4	CD	14X14	1.00		550		220		325		
	5	CD	14X14	1.00		550		275		350		
	6	CD	14X14	1.00		550		300		330		
	7	CD	14X14	1.00		550		360		325		
	8	CD	6X6	1.00		50		40		40		
						---		---		---		
						3900		2250		2470		
						RETURN						
	R1	CR	22X22	1.00		3315		1850		1850		

REMARKS: **SHEAVE AT MAX.**



CIRCO System Balance, Inc.

SB JOB# **8370**
 SECTION **2** PAGE **3**
 DATE **September 9, 2002**

FAN & OUTLET TEST SHEET

AREA SERVED **1938**

UNIT **AC-2**

MOTOR NAMEPLATE DATA

MFG **GE** FR **-**
 HP **3/4** V **230** FLA **5.4**
 PH **1** SF **-** RPM **1075**

SHEAVE DATA:

DIA **-** SHAFT **-**
 ADJ % **-** FIXED **-**

FAN NAMEPLATE DATA

MFG **RUUD**
 MODEL # **UKKA-A060CK10X**
 TYPE **PACKAGE**
 SIZE **-**

SHEAVE DATA:

DIA **-** SHAFT **-**
 BELTS **-**

DATA	TEST 1	TEST 2	TEST 3
VOLTS	245	245	
AMPS	3.6	4.1	
B.H.P.	.50	.57	
R.P.M.	DIRECT	DRIVE	
S.P. -	-	.31	
S.P. +	-	.23	
T.S.P.	-	.54	
FILTER S.P.	-	.11	
CFM TOTAL	1875	1950	
CFM R.A.	1675	1625	
CFM O.A.	200	325	

FAN DESIGN DATA

CFM **2250** SP **-** RPM **-** BHP **-**
 MIN. O.A. **330**

ROOM	OPENING			FACTOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						SUPPLY						
	9	CD	14X14	1.00		550		520		530		
	10	CD	14X14	1.00		550		460		500		
	11	CD	14X14	1.00		550		360		370		
	12	CD	14X14	1.00		550		475		490		
	13	CD	6X6	1.00		50		60		60		
						---		---		---		
						2250		1875		1950		
						RETURN						
	R2	CR	22X22	1.00		1920		1675		1625		

REMARKS: **NO DAMPERS, DIRECT DRIVE WIRED AT HIGH SPEED.**



CIRCO System Balance, Inc.

SB JOB# **8370**
 SECTION **2** PAGE **4**
 DATE **September 9, 2002**

FAN & OUTLET TEST SHEET

AREA SERVED **1968** UNIT **AC-3**

MOTOR NAMEPLATE DATA

MFG **GE** FR **56H**
 HP **1 1/2** V **230** FLA **5.8**
 PH **3** SF **1.15** RPM **1725**

SHEAVE DATA:

DIA **1VL40** SHAFT **5/8"**
 ADJ % **MID** FIXED

FAN NAMEPLATE DATA

MFG **RUUD**
 MODEL # **UKKA-A073CL13X**
 TYPE **PACKAGE**
 SIZE **-**

SHEAVE DATA:

DIA **AK66** SHAFT **3/4**
 BELTS **(1) A40**

DATA	TEST 1	TEST 2	TEST 3
VOLTS	245	245	
AMPS	3.4/3.5/3.7	3.4/3.5/3.7	
B.H.P.	.91	.91	
R.P.M.	1010	1010	
S.P. -	-	.34	
S.P. +	-	.25	
T.S.P.	-	.59	
FILTER S.P.	-	.10	
CFM TOTAL	2370	2240	
CFM R.A.	1950	1900	
CFM O.A.	420	340	

FAN DESIGN DATA

CFM **2250** SP **-** RPM **-** BHP **-**
 MIN. O.A. **330**

ROOM	OPENING			FACTOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						SUPPLY						
	14	CD	14X14	1.00		550		340		550		
	15	CD	14X14	1.00		550		820		560		
	16	CD	14X14	1.00		550		660		580		
	17	CD	14X14	1.00		550		550		550		
						---		---		---		
						2200		2370		2240		
						RETURN						
	R3	CR	22X22	1.00		1870		1950		1900		

REMARKS:



CIRCO System Balance, Inc.

SB JOB# **8370**
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 DATE **September 9, 2002**

FAN & OUTLET TEST SHEET

AREA SERVED **1968** UNIT **AC-4**

MOTOR NAMEPLATE DATA

MFG **GE** FR **56H**
 HP **1 1/2** V **230** FLA **5.8**
 PH **3** SF **1.15** RPM **1725**

SHEAVE DATA:

DIA **1VL40** SHAFT **5/8"**
 ADJ % **MID** FIXED

FAN NAMEPLATE DATA

MFG **RUUD**
 MODEL # **UKKA-A073CL13X**
 TYPE **PACKAGE**
 SIZE **-**

SHEAVE DATA:

DIA **AK66** SHAFT **3/4**
 BELTS **(1) A40**

DATA	TEST 1	TEST 2	TEST 3
VOLTS	245	245	
AMPS	3.8/3.4/3.1	3.8/3.4/3.1	
B.H.P.	.89	.89	
R.P.M.	1001	1001	
S.P. -	-	.36	
S.P. +	-	.22	
T.S.P.	-	.58	
FILTER S.P.	-	.11	
CFM TOTAL	2310	2245	
CFM R.A.	1900	1900	
CFM O.A.	410	345	

FAN DESIGN DATA

CFM **2250** SP **-** RPM **-** BHP **-**
 MIN. O.A. **340**

ROOM	OPENING			FACTOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						SUPPLY						
	18	CD	14X14	1.00		550	550	560				
	19	CD	14X14	1.00		550	590	570				
	20	CD	14X14	1.00		550	590	565				
	21	CD	14X14	1.00		550	540	550				
	22	CD	6X6	1.00		50	40	50				
						---	--	---				
						2250	2310	2245				
						RETURN						
	R4	CR	22X22	1.00		1910	1900	1900				

REMARKS:



CIRCO System Balance, Inc.

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FAN & OUTLET TEST SHEET

AREA SERVED **1988**

UNIT **AC-5**

MOTOR NAMEPLATE DATA

MFG **AO SMITH** FR **56H**
 HP **3/4** V **230** FLA **2.6**
 PH **3** SF **1.25** RPM **1725**

SHEAVE DATA:

DIA **1VL40** SHAFT **5/8"**
 ADJ % **MAX** FIXED

FAN NAMEPLATE DATA

MFG **RUUD**
 MODEL # **UKKA-A060CK10X**
 TYPE **PACKAGE**
 SIZE -

SHEAVE DATA:

DIA **AK66** SHAFT **3/4**
 BELTS **(1) A40**

DATA	TEST 1	TEST 2	TEST 3
VOLTS	245	245	
AMPS	2.3/2.1/2.3	2.6/2.5/2.6	
B.H.P.	.64	.64	
R.P.M.	1003	1100	
S.P. -	-	.36	
S.P. +	-	.21	
T.S.P.	-	.57	
FILTER S.P.	-	.12	
CFM TOTAL	1970	2130	
CFM R.A.	1720	1800	
CFM O.A.	250	330	

FAN DESIGN DATA

CFM **2250** SP - RPM - BHP -
 MIN. O.A. **340**

ROOM	OPENING			FACTOR	DESIGN		TEST 1		TEST 2		TEST 3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						SUPPLY						
	23	CD	14X14	1.00		550	640	690				
	24	CD	14X14	1.00		550	580	610				
	25	CD	14X14	1.00		550	620	670				
	26	CD	14X14	1.00		550	100	120				
	27	CD	6X6	1.00		50	30	40				
						2250	1970	2130				
						RETURN						
	R5	CD	22X22	1.00		1910	1720	1800				

REMARKS: **NO DAMPERS, SHEAVE AT MAX.**

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TEST SHEET

AREA SERVED RESTROOMS UNIT CEFS

ROOM	OPENING			FACTOR	DESIGN		TEST #1		TEST #2		TEST #3	
	NO.	TYPE	SIZE		FPM	CFM	FPM	CFM	FPM	CFM	FPM	CFM
						CEFS						
	1	CE	6X6	1.0		70		40				
	2	CE	6X6	1.0		70		30				
	3	CE	6X6	1.0		70		40				
	4	CE	6X6	1.0		70		60				

REMARKS: NUTONE CEFS



CHARTER MEMBER OF ASSOCIATED AIR BALANCE COUNCIL