

**CITY OF SACRAMENTO**

1231 I Street, Sacramento, CA 95814

Permit No: 0401009

Insp Area: 1  
Thos Bros: 297 C4

Site Address: 300 CAPITOL ML SAC  
Parcel No: 006-0142-038

8TH FLOOR

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

**CONTRACTOR**  
HMH BUILDERS INC  
20 BUSINESS PARKWAY  
SACRAMENTO, CA 95828

**OWNER**  
JONES LANG LA SALLE  
300 CAPITOL MALL STE 275  
SACRAMENTO, CA 95816

**ARCHITECT**  
CH&D ARCHITECTS  
2150 CAPITOL AVE # 200  
SAC, CA.

Nature of Work: REMODEL 8TH FLOOR

**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 A/B License Number 780999 Date 6/30/04 Contractor Signature [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 \_\_\_\_\_ 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 1.29.04 Applicant/Agent Signature [Signature]

**WORKER'S COMPENSATION DECLARATION:** I hereby affirm under penalty of perjury that I have read 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 ZURICH AMERICAN INSU. CO. Policy Number 3696719-00 Exp Date 08/01/2004

(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 1.29.04 Applicant Signature [Signature]

**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.**

# 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

FEBRUARY 20, 2004

204-9059-B1

## AIR BALANCE REPORT

DEPARTMENT OF FINANCE  
PHASE #~~1~~ - AREAS 2 & 3, 4, 5  
300 CAPITOL AVENUE, 8<sup>TH</sup> FLOOR  
SACRAMENTO, CALIFORNIA

CONTRACTOR:

INDOOR ENVIRONMENTAL  
SERVICES

TEST PERFORMED BY:

GARY STEVENSON AND  
JOHN CHOVANETZ

300 Capitol ML.

#0401009



MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

## TABLE OF CONTENTS

| SECTION | DESCRIPTION                             |
|---------|---|
| 1       | REMARKS CONCERNING BALANCING PROCEDURES |
| 2       | AREA #'S 2 & 3 - VAV'S                  |



**AABC**

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. ALL BALANCE FACTORS WERE OBTAINED FROM THE MANUFACTURER'S DATA AND APPLIED ACCORDING TO THEIR SUGGESTED METHOD.
3. INLET AND OUTLET AIR QUANTITIES WERE MEASURED BY SPECIAL AIR SCOOP. SEE DATA SHEET THIS SECTION.
4. FOLLOWING THIS SHEET ARE:
  1. SYMBOL SHEET
  2. SPECIAL SCOOP DATA SHEET
  3. INSTRUMENT CORRECTION CURVE



**AABC**

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# CIRCO System Balance, Inc.

| SYMBOL    | DESCRIPTION                    | SYMBOL     | DESCRIPTION                      |
|-----------|--------------------------------|------------|----------------------------------|
| CFM       | CUBIC FEET PER MINUTE          | $\Delta T$ | DIFFERENTIAL TEMPERATURE         |
| FPM       | FEET PER MINUTE                | $\Delta P$ | 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        |
| $\lambda$ | 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 PLUB                       |
| 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 BULB      |
| T.S.P.    | TOTAL STATIC PRESSURE          | E.A.T.-WB  | ENTERING AIR TEMP - WET BULB     |
| E.T.S.P.  | EXTERNAL TOTAL STATIC PRESSURE | L.A.T.-WB  | LEAVING AIR TEMP - WET BULB      |
| $\rho$    | VELOCITY PRESSURE              | D.N.A.     | DATA NOT AVAILABLE               |
| OSA       | OUTSIDE AIR                    | N.A.       | NOT AVAILABLE                    |
| RA        | RETURN AIR                     |            |                                  |
| T.G.      | TRANSFER GRILLE                |            |                                  |

## Calibration Data Sheet

|               |           |
|---------------|-----------|
| FLOWHOOD DATA |           |
| SERIAL #      | 3R8796    |
| MODEL #       | 634513044 |

|                    |                    |     |    |    |
|--------------------|--------------------|-----|----|----|
| DATE TESTED:       | 8-8-03             |     |    |    |
| TESTED BY:         | <i>[Signature]</i> |     |    |    |
| TEST DATA READ IN: | CFM                | FPM | VP | SP |

| FLOWHOOD RANGE                      | CALIBRATED FLOW READING | FLOWHOOD ACTUAL READING | CALIBRATED HOOD READING |
|-------------------------------------|-------------------------|-------------------------|-------------------------|
| 800/2000                            | 8.2 = 1400              | 1450                    | 1450                    |
|                                     | 6.0 = 1200              | 1220                    | 1220                    |
|                                     | 3.1 = 875               | 850                     | 895                     |
| 400/1000                            | 2.4 = 765               | 790                     | 790                     |
|                                     | 1.8 = 660               | 670                     | 670                     |
|                                     | 1.2 = 540               | 520                     | 540                     |
| 100/500                             | 1.0 = 490               | 490                     | 490                     |
|                                     | .63 = 385               | 405                     | 385                     |
|                                     | .20 = 220               | 205                     | 215                     |
|                                     | .10 = 90                | 175                     | 175                     |
| 0/250 With low flow plate installed | .07 = 110               | 215                     | 215                     |
|                                     | .14 = 180               | 175                     | 175                     |
|                                     | .10 = 155               | 155                     | 155                     |
|                                     | .04 = 95                | 100                     | 100                     |
|                                     | .02 = 70                | 75                      | 75                      |

THE CALIBRATION TEST DATA WAS ESTABLISHED BY AN IN HOUSE CALIBRATED 8" ORIFICE PLATE AND PLOT CURVE CHARTS, AS RECOMMENDED BY A.S.C. STANDARDS. IT WILL BE RECORDED BY MEANS OF DUCT FLOWMETER WITH SERIAL THIS EQUIPMENT HAS BEEN CALIBRATED USING STANDARDS WHOSE ACCURACIES ARE TRACEABLE TO A CALIBRATED ORIFICE PLATE.



CHARTER MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

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## CALIBRATION

### DIGITAL THERMOMETER

#### COOPER/ELECTRO-THERM SH66A

THE THERMOMETER IS CALIBRATED AT THE FACTORY AND IS ACCURATE TO +/- 2°F. THE MANUFACTURER RECOMMENDS RECALIBRATION ONCE A YEAR.

THE RECALIBRATION DATE FOR THIS THERMOMETER IS OCTOBER 2004.



**AABC**

MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

# CIRCO System Balance, Inc.

SB JOB# **9059**  
 SECTION **2** PAGE **1**  
 DATE **February 18, 2004**

## TEST SHEET

AREA SERVED **DEPT. OF FINANCE - 8TH FLOOR** UNIT **EXISTING**

| ROOM | OPENING  |           |              | FACTOR     | DESIGN         |            | TEST #1         |            | MAX         |                | MIN        |           |
|------|----------|-----------|--------------|------------|----------------|------------|-----------------|------------|-------------|----------------|------------|-----------|
|      | NO.      | TYPE      | SIZE         |            | FPM            | CFM        | FPM             | CFM        | FPM         | CFM            | FPM        | CFM       |
|      |          |           |              |            | <b>VAV 8-5</b> |            | <b>310/45</b>   |            |             |                |            |           |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>315</b> |             | <b>315</b>     |            | <b>45</b> |
|      |          |           |              |            | <b>VAV 8-6</b> |            | <b>310/45</b>   |            |             |                |            |           |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>320</b> |             | <b>320</b>     |            | <b>45</b> |
|      |          |           |              |            | <b>VAV 8-7</b> |            | <b>840/125</b>  |            |             |                |            |           |
|      | <b>1</b> | <b>CD</b> | <b>9" Ø</b>  | <b>1.0</b> |                | <b>280</b> |                 | <b>200</b> |             | <b>240</b>     |            | <b>-</b>  |
|      | <b>2</b> | <b>CD</b> | <b>9" Ø</b>  | <b>1.0</b> |                | <b>280</b> |                 | <b>220</b> |             | <b>250</b>     |            | <b>-</b>  |
|      | <b>3</b> | <b>CD</b> | <b>9" Ø</b>  | <b>1.0</b> |                | <b>280</b> |                 | <b>260</b> |             | <b>330 (1)</b> |            | <b>-</b>  |
|      |          |           |              |            | <b>---</b>     |            | <b>---</b>      |            | <b>---</b>  |                | <b>---</b> |           |
|      |          |           |              |            | <b>840</b>     |            | <b>660</b>      |            | <b>820</b>  |                | <b>125</b> |           |
|      |          |           |              |            | <b>VAV 8-8</b> |            | <b>1240/185</b> |            |             |                |            |           |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>160</b> |             | <b>310</b>     |            | <b>-</b>  |
|      | <b>2</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>50</b>  |             | <b>315</b>     |            | <b>-</b>  |
|      | <b>3</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>230</b> |             | <b>320</b>     |            | <b>-</b>  |
|      | <b>4</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>310</b> |                 | <b>540</b> |             | <b>310</b>     |            | <b>-</b>  |
|      |          |           |              |            | <b>---</b>     |            | <b>---</b>      |            | <b>---</b>  |                | <b>---</b> |           |
|      |          |           |              |            | <b>1240</b>    |            | <b>980</b>      |            | <b>1255</b> |                | <b>195</b> |           |
|      |          |           |              |            | <b>VAV 8-9</b> |            | <b>500/75</b>   |            |             |                |            |           |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>250</b> |                 | <b>220</b> |             | <b>220</b>     |            | <b>-</b>  |
|      | <b>2</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                | <b>250</b> |                 | <b>220</b> |             | <b>220 (1)</b> |            | <b>-</b>  |
|      |          |           |              |            | <b>---</b>     |            | <b>---</b>      |            | <b>---</b>  |                | <b>---</b> |           |
|      |          |           |              |            | <b>500</b>     |            | <b>440</b>      |            | <b>440</b>  |                | <b>75.</b> |           |

REMARKS: **(1) BOX FULLY OPEN - INLET STATIC = .45" WC**



MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

3A



# CIRCO System Balance, Inc.

SB JOB# 9059  
 SECTION 2 PAGE 2  
 DATE February 18, 2004

## TEST SHEET

AREA SERVED DEPT. OF FINANCE - 8TH FLOOR UNIT EXISTING

| ROOM | OPENING  |           |              | FACTOR     | DESIGN          |             | TEST #1         |             | MAX |             | MIN |            |
|------|----------|-----------|--------------|------------|-----------------|-------------|-----------------|-------------|-----|-------------|-----|------------|
|      | NO.      | TYPE      | SIZE         |            | FPM             | CFM         | FPM             | CFM         | FPM | CFM         | FPM | CFM        |
|      |          |           |              |            | <b>VAV 8-10</b> |             | <b>500/75</b>   |             |     |             |     |            |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>250</b>  |                 | <b>250</b>  |     | <b>250</b>  |     | -          |
|      | <b>2</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>250</b>  |                 | <b>245</b>  |     | <b>245</b>  |     | -          |
|      |          |           |              |            |                 | <b>---</b>  |                 | <b>---</b>  |     | <b>---</b>  |     | <b>---</b> |
|      |          |           |              |            |                 | <b>500</b>  |                 | <b>495</b>  |     | <b>495</b>  |     | <b>75</b>  |
|      |          |           |              |            | <b>VAV 8-11</b> |             | <b>620/95</b>   |             |     |             |     |            |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b>  |                 | <b>210</b>  |     | <b>315</b>  |     | -          |
|      | <b>2</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b>  |                 | <b>110</b>  |     | <b>315</b>  |     | -          |
|      |          |           |              |            |                 | <b>---</b>  |                 | <b>---</b>  |     | <b>---</b>  |     | <b>---</b> |
|      |          |           |              |            |                 | <b>620</b>  |                 | <b>320</b>  |     | <b>630</b>  |     | <b>100</b> |
|      |          |           |              |            | <b>VAV 8-12</b> |             | <b>1470/220</b> |             |     |             |     |            |
|      | <b>1</b> | <b>CD</b> | <b>8" Ø</b>  | <b>1.0</b> |                 | <b>200</b>  |                 | <b>30</b>   |     | <b>210</b>  |     | -          |
|      | <b>2</b> | <b>CD</b> | <b>8" Ø</b>  | <b>1.0</b> |                 | <b>200</b>  |                 | <b>30</b>   |     | <b>200</b>  |     | -          |
|      | <b>3</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>250</b>  |                 | <b>140</b>  |     | <b>270</b>  |     | -          |
|      | <b>4</b> | <b>CD</b> | <b>8" Ø</b>  | <b>1.0</b> |                 | <b>200</b>  |                 | <b>60</b>   |     | <b>210</b>  |     | -          |
|      | <b>5</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b>  |                 | <b>130</b>  |     | <b>325</b>  |     | -          |
|      | <b>6</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b>  |                 | <b>150</b>  |     | <b>320</b>  |     | -          |
|      |          |           |              |            |                 | <b>---</b>  |                 | <b>---</b>  |     | <b>---</b>  |     | <b>---</b> |
|      |          |           |              |            |                 | <b>1470</b> |                 | <b>540</b>  |     | <b>1535</b> |     | <b>230</b> |
|      |          |           |              |            | <b>VAV 8-13</b> |             | <b>965-145</b>  |             |     |             |     |            |
|      | <b>1</b> | <b>CD</b> | <b>12" Ø</b> | <b>1.0</b> |                 | <b>325</b>  |                 | <b>550</b>  |     | <b>345</b>  |     | -          |
|      | <b>2</b> | <b>CD</b> | <b>12" Ø</b> | <b>1.0</b> |                 | <b>320</b>  |                 | <b>470</b>  |     | <b>340</b>  |     | -          |
|      | <b>3</b> | <b>CD</b> | <b>12" Ø</b> | <b>1.0</b> |                 | <b>320</b>  |                 | <b>580</b>  |     | <b>345</b>  |     | -          |
|      |          |           |              |            |                 | <b>---</b>  |                 | <b>---</b>  |     | <b>---</b>  |     | <b>---</b> |
|      |          |           |              |            |                 | <b>965</b>  |                 | <b>1600</b> |     | <b>1030</b> |     | <b>165</b> |

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

# CIRCO System Balance, Inc.

SB JOB# 9059  
 SECTION 2 PAGE 3  
 DATE February 19, 2004

TEST SHEET

AREA SERVED DEPT. OF FINANCE - 8TH FLOOR UNIT EXISTING

| ROOM | OPENING  |           |              | FACTOR     | DESIGN          |            | TEST #1        |             | MAX |            | MIN |            |
|------|----------|-----------|--------------|------------|-----------------|------------|----------------|-------------|-----|------------|-----|------------|
|      | NO.      | TYPE      | SIZE         |            | FPM             | CFM        | FPM            | CFM         | FPM | CFM        | FPM | CFM        |
|      |          |           |              |            | <b>VAV 8-14</b> |            | <b>500/75</b>  |             |     |            |     |            |
|      | <b>1</b> | <b>CD</b> | <b>12" Ø</b> | <b>1.0</b> |                 | <b>500</b> |                | <b>410</b>  |     | <b>505</b> |     | <b>85</b>  |
|      |          |           |              |            | <b>VAV 8-15</b> |            | <b>930/140</b> |             |     |            |     |            |
|      | <b>1</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b> |                | <b>350</b>  |     | <b>320</b> |     | <b>-</b>   |
|      | <b>2</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b> |                | <b>310</b>  |     | <b>320</b> |     | <b>-</b>   |
|      | <b>3</b> | <b>CD</b> | <b>10" Ø</b> | <b>1.0</b> |                 | <b>310</b> |                | <b>415</b>  |     | <b>310</b> |     | <b>-</b>   |
|      |          |           |              |            |                 | <b>---</b> |                | <b>---</b>  |     | <b>---</b> |     | <b>---</b> |
|      |          |           |              |            |                 | <b>930</b> |                | <b>1075</b> |     | <b>950</b> |     | <b>145</b> |

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

# CIRCO System Balance, Inc.

SB JOB# 9059  
 SECTION          PAGE           
 DATE         

## OUTLET TEST SHEET

AREA SERVED DEPARTMENT OF FINANCE 8<sup>TH</sup> FL UNIT UNIT EXISTING

| ROOM | OPENING |      |      | FACTOR | DESIGN |         | TEST #1  |      | MAX TEST #2 |     | MIN TEST #3 |     |
|------|---------|------|------|--------|--------|---------|----------|------|-------------|-----|-------------|-----|
|      | NO.     | TYPE | SIZE |        | FPM    | CFM     | FPM      | CFM  | FPM         | CFM | FPM         | CFM |
|      |         |      |      |        |        |         |          |      |             |     |             |     |
|      |         |      |      |        |        | VAVB-16 | 795/120  |      |             |     |             |     |
|      | 1       | CD   | 8"φ  | 1.0    |        | 175     | 150      | 180  |             |     |             |     |
|      | 2       | ↓    | 10"φ | ↓      |        | 310     | 260      | 300  |             |     |             |     |
|      | 3       | ↓    | ↓    | ↓      |        | 310     | 130      | 300  |             |     |             |     |
|      |         |      |      |        |        | 795     | 540      | 780  |             |     | 300         | (2) |
|      |         |      |      |        |        | VAVB-17 | 475/70   |      |             |     |             |     |
|      | 1       | CD   | 9"φ  | 1.0    |        | 120     | 300      | 300  |             |     |             | (1) |
|      | 2       | ↓    | 8"φ  | ↓      |        | 200     | 200      | 200  |             |     |             |     |
|      | 3       | ↓    | ↓    | ↓      |        | 155     | 160      | 160  |             |     |             |     |
|      |         |      |      |        |        | 475     | 1660     | 1660 |             |     | 75          |     |
|      |         |      |      |        |        | VAVB-18 | 1780/265 |      |             |     |             |     |
|      | 1       | CD   | 9"φ  | 1.0    |        | 310     | 360      | 300  |             |     |             |     |
|      | 2       | ↓    | ↓    | ↓      |        | 230     | 140      | 210  |             |     |             |     |
|      | 3       | ↓    | 10"φ | ↓      |        | 310     | 340      | 300  |             |     |             |     |
|      | 4       | ↓    | ↓    | ↓      |        | 310     | 300      | 300  |             |     |             |     |
|      | 5       | ↓    | ↓    | ↓      |        | 310     | 340      | 300  |             |     |             |     |
|      | 6       | ↓    | ↓    | ↓      |        | 310     | 290      | 310  |             |     |             |     |
|      |         |      |      |        |        | 1780    | 2670     | 1720 |             |     | 280         |     |
|      |         |      |      |        |        | VAVB-19 | 270/40   |      |             |     |             |     |
|      | 1       | CD   | 9"φ  | 1.0    |        | 70      | 120      | 70   |             |     |             |     |
|      | 2       | ↓    | ↓    | ↓      |        | 200     | 200      | 210  |             |     |             |     |
|      |         |      |      |        |        | 270     | 320      | 280  |             |     | 40          |     |

REMARKS: (1) FEEDS SWITCHGEAR RM LEFT OUTLET HIGH TO COMPENSATE FOR HEAT LOAD.

(2) MINIMUM POSITIONER @ MIN.



MEMBER OF ASSOCIATED AIR BALANCE COUNCIL

3A

# CIRCO System Balance, Inc.

SB JOB# 9059  
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 DATE \_\_\_\_\_

## OUTLET TEST SHEET

AREA SERVED DEPARTMENT OF FINANCE 8<sup>TH</sup> FL UNIT EXISTING

| ROOM | OPENING |      |      | FACTOR | DESIGN   |          | TEST #1    |            | MAX TEST #2 |      | MIN TEST #3 |     |  |
|------|---------|------|------|--------|----------|----------|------------|------------|-------------|------|-------------|-----|--|
|      | NO.     | TYPE | SIZE |        | FPM      | CFM      | FPM        | CFM        | FPM         | CFM  | FPM         | CFM |  |
|      |         |      |      |        | VAV B-20 |          | 1250 / 190 |            |             |      |             |     |  |
|      | 1       | CD   | 9"Ø  | 1.0    |          | 250      |            | 150        |             | 225  |             |     |  |
|      | 2       | ↓    | ↓    | ↓      |          | 250      |            | 240        |             | 225  |             |     |  |
|      | 3       | ↓    | ↓    | ↓      |          | 250      |            | 240        |             | 250  |             |     |  |
|      | 4       | ↓    | ↓    | ↓      |          | 250      |            | 235        |             | 250  |             |     |  |
|      | 5       | ↓    | ↓    | ↓      |          | 250      |            | 210        |             | 250  |             |     |  |
|      |         |      |      |        |          | 1250     |            | 1075       |             | 1200 |             | 205 |  |
|      |         |      |      |        |          | VAV B-21 |            | 1250 / 190 |             |      |             |     |  |
|      | 1       | CD   | 9"Ø  | 1.0    |          | 250      |            | 190        |             | 260  |             |     |  |
|      | 2       | ↓    | ↓    | ↓      |          | 250      |            | 230        |             | 270  |             |     |  |
|      | 3       | ↓    | ↓    | ↓      |          | 250      |            | 225        |             | 260  |             |     |  |
|      | 4       | ↓    | ↓    | ↓      |          | 250      |            | 200        |             | 250  |             |     |  |
|      | 5       | ↓    | ↓    | ↓      |          | 250      |            | 290        |             | 250  |             |     |  |
|      |         |      |      |        |          | 1250     |            | 1135       |             | 1290 |             | 260 |  |
|      |         |      |      |        |          | VAV B-22 |            | 310 / 45   |             |      |             |     |  |
|      | 1       | CD   | 9"Ø  | 1.0    |          | 250      |            | 200        |             | 250  |             |     |  |
|      | 2       | ↓    | 8"Ø  | ↓      |          | 130      |            | 190        |             | 100  |             | (1) |  |
|      | 3       | ↓    | ↓    | ↓      |          | 130      |            | 190        |             | 170  |             | (1) |  |
|      |         |      |      |        |          | 510      |            | 580        |             | 520  |             | 45  |  |

REMARKS: (1) NO INDIVIDUAL M.V.D USED MAIN DAMPER IN ROOM TO SET TOTAL



# CIRCO System Balance, Inc.

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## OUTLET TEST SHEET

AREA SERVED DEPARTMENT OF FINANCE 8<sup>TH</sup> FL UNIT EXISTING

| ROOM | OPENING  |           |            | FACTOR     | DESIGN          |     | TEST #1         |     | <del>TEST #2</del> |     | <del>TEST #3</del> |            |
|------|----------|-----------|------------|------------|-----------------|-----|-----------------|-----|--------------------|-----|--------------------|------------|
|      | NO.      | TYPE      | SIZE       |            | FPM             | CFM | FPM             | CFM | FPM                | CFM | FPM                | CFM        |
|      |          |           |            |            | <u>VAV B-23</u> |     | <u>755/115</u>  |     |                    |     |                    |            |
|      | <u>1</u> | <u>CD</u> | <u>9"Ø</u> | <u>1.0</u> | <u>270</u>      |     | <u>400</u>      |     | <u>280</u>         |     |                    |            |
|      | <u>2</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>400</u>      |     | <u>270</u>         |     |                    |            |
|      | <u>3</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>215</u>      |     | <u>320</u>      |     | <u>270</u>         |     |                    |            |
|      |          |           |            |            | <u>755</u>      |     | <u>1120</u>     |     | <u>770</u>         |     | <u>120</u>         |            |
|      |          |           |            |            | <u>VAV B-24</u> |     | <u>1765/245</u> |     |                    |     |                    |            |
|      | <u>1</u> | <u>CD</u> | <u>8"Ø</u> | <u>1.0</u> | <u>200</u>      |     | <u>140</u>      |     | <u>150</u>         |     |                    |            |
|      | <u>2</u> | <u>↓</u>  | <u>9"Ø</u> | <u>↓</u>   | <u>215</u>      |     | <u>210</u>      |     | <u>210</u>         |     |                    | <u>(2)</u> |
|      | <u>3</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>220</u>      |     | <u>210</u>         |     |                    |            |
|      | <u>4</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>200</u>      |     | <u>250</u>         |     |                    |            |
|      | <u>5</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>340</u>      |     | <u>270</u>         |     |                    |            |
|      | <u>6</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>240</u>      |     | <u>270</u>         |     |                    |            |
|      | <u>7</u> | <u>↓</u>  | <u>↓</u>   | <u>↓</u>   | <u>270</u>      |     | <u>250</u>      |     | <u>270</u>         |     |                    |            |
|      |          |           |            |            | <u>1765</u>     |     | <u>1600</u>     |     | <u>1680</u>        |     | <u>655</u>         | <u>(1)</u> |

REMARKS: (1) Box @ MIN 16"Ø  
(2) Box @ MAX



APPLICATION FOR COMMERCIAL BUILDING PERMIT

ACTIVITY # 0401009  
Insp. Area IC

Applicant to complete all areas down to valuation

CITY OF SACRAMENTO  
PLANNING & BUILDING DEPARTMENT  
1231 I Street, Suite 200 or 2101 Arena Bl., 200  
Sacramento, CA 95814  
(916) 264-5656, 1-866 EZ PERMIT or www.cityofsacramento.org

ADDRESS 300 Capitol Mall  
Suite 8th floor  
PARCEL #

|  |  |  |  |
|--|--|--|--|
| <b>LICENSED CONTRACTOR</b><br>Name: HMH<br>Address: 15 BUSINESS PARK WAY<br>City/State/zip: SACRAMENTO CA 95808<br>Phone: 388 9106 FAX: 388 9195<br>E-mail: K-balogh@hnh.com |  | <b>CONTACT</b><br>Name: _____<br>Street Address: _____<br>City/State/zip: _____<br>Phone: _____ FAX: _____<br>E-mail: _____                                      |  |
| <b>OWNER</b><br>Name: Loveland LaSalle<br>Address: 300 Capitol Mall Ste 275<br>City/State/zip: Sacramento CA 95816<br>Phone: 447-0300 FAX: _____<br>E-mail: _____            |  | <b>ARCHITECT/ENGINEER</b><br>Name: C H & D<br>Address: 2150 CAPITOL AVE<br>City/State/zip: SACRAMENTO CA 95816<br>Phone: 447-7741 FAX: 446-0457<br>E-mail: _____ |  |

Will permittee have any employees on the jobsite?  No  Yes → INSURANCE CO: LUNCH AMERICAN INS. EXPIRATION DATE: 8/1/04  
 WORKER'S COMPENSATION POLICY # WCA 31690719-01

NATURE OF WORK IN DETAIL: Tenant improvement

OCCUPANT/TENANT: Dept of Finance  
 VALUATION: \$ 750,000

|   |                |  |  |
|---|----------------|--|--|
| <b>FLOOD STATUS</b><br>S.C.A.T. _____                           |                | <b>JOB DESCRIPTION</b><br><input checked="" type="checkbox"/> BLDG <input type="checkbox"/> SHELL <input type="checkbox"/> APT <input type="checkbox"/> TR <input type="checkbox"/> REM <input type="checkbox"/> SW <input type="checkbox"/> FIRE <input type="checkbox"/> ADD <input type="checkbox"/> OTHER <input type="checkbox"/> |  |
| <b>INSPECTION DISCIPLINES</b><br>BLDG MECH PLUMB ELBC SITE FIRE |                | <b>INSPECTION DISCIPLINES</b><br>BLDG MECH PLUMB ELBC SITE FIRE  |  |
| # Stories: 1 <sup>st</sup> Tr Area: _____<br>Total Area: 22,600 | Use Zone: (M3) | Const type: _____<br>Fire Req. Y/N: _____<br>Fed Code: _____<br>Vio. File: _____   | Occup Group: _____<br>Const type: _____<br>Fire Req. Y/N: _____<br>Fed Code: _____<br>Vio. File: _____ |

COMMENTS: "NO FIRE ISSUES" "SFM JURISDICTION" "ALIC"

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