



**Mechanical Contractors, Inc.**

## **TEST AND BALANCE REVIEW**

### Job Name

Cañada Community College  
Facilities Maintenance Center  
4200 Farm Hill Boulevard  
Redwood City, CA 94061

Date: 08/19/09

Job Number: 2804

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### SUBMITTAL REVIEW COMMENTS & WKW RESPONSES (=WKW REVISION #1)

#### **Interface Engineering: F-1 and F-2**

*Comment a: Workroom 119 diffusers airflow is not provided. Verify that this diffuser was installed and is being provided with design airflow within specified tolerance during this test.*

**WKW Response:** This diffuser was on the original balance report; the numbers were not shown in sequence. It appears as outlet number 4 on balance report.

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#### **Interface Engineering: F-1 and F-2**

*Comment b: Verify that the motorized damper that controls the duct static pressure is set to provide the design airflow to the Thermafusers (variable air volume diffusers).*

**WKW Response:** The motorized dampers are controlling the duct static pressure. They can not be “set to provide the design airflow.” The balance report shows us making the required CFM at all registers. That is proof that the dampers are maintaining duct static and providing the designed flow. Please see sequence of operations shown on temperature controls submittal.

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# FLOW HOOD AIR OUTLET TEST REPORT

PROJECT: CAÑADA COLLEGE - FACILITIES MAINTENANCE CENTER  
 SYSTEM : F-1 & F-2

AREA SERVED	----- OUTLET -----			DESIGN CFM	PRELIMINARY CFM	FINAL CFM
	NO.	TYPE	SIZE			
114	1	CD	24 X 24	200	175	185
115	2	CD	24 X 24	325	275	285
116	3	CD	24 X 24	300	295	280
119	4	CD	24 X 24	400	350	365
117	5	CD	24 X 24	375	340	355
117	6	CD	24 X 24	375	310	345
118	7	CD	24 X 24	450	365	405
118	8	CD	24 X 24	450	100	435
101	9	CD	24 X 24	300	50	285
102	10	CD	24 X 24	275	335	260
103	11	CD	24 X 24	275	210	265
105	12	CD	24 X 24	100	100	95
104	13	CD	24 X 24	375	260	345 (1)
<b>TOTAL SUPPLY F-1 &amp; F-2:</b>				<b>4200</b>	<b>3165</b>	<b>3905</b>
CEILING	R1	SW	34 X 22	2850	1955	2665
<b>TOTAL RETURN F-2 &amp; F-2:</b>				<b>2850</b>	<b>1955</b>	<b>2665 (2)</b>

NOTE: This form is for use with flow measuring hood only.

REMARKS: (1) VOLUME DAMPER OPEN 100%. (2) RETURN/OSA SET TO SUPPLY PITOT TRAVERSE TOTAL.

FILENAME: 5610-03  
 TEST DATE: 05/27/09  
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READINGS BY: R.F.  
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