

CITY OF SACRAMENTO

1231 I Street, Sacramento, CA 95814

Permit No: 0509840

Insp Area: 3

Thos Bros: 318E4

Site Address: 5420 FLORIN PERKINS RD SAC

Parcel No: 061-0173-030

STE. # 100

Sub-Type: TI

Housing (Y/N): N

CONTRACTOR

BUZZ OATES CONSTRUCTION L P
8615 ELDER CREEK RD
SACRAMENTO, CA 95828

OWNER

BUZZ OATES DEVELOPMENT
8615 ELDER CREEK RD
SACRAMENTO, CA 95828

ARCHITECT

Nature of Work: 1ST TIME TI CREATING 792 SF OFFICE AREA WITHIN EXIST. WAREHOUSE 14,208 SF, TOTAL 15,000 SF

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 B License Number 826900 Date 8/29/05 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 be 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 contractor 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 8/29/05 Applicant/Agent Signature [Signature]

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.

X 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:

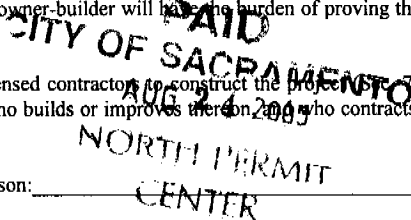
Carrier STATE FUND Policy Number 1625130 Exp Date 04/01/2006

(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 8/29/05 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.





Airco Mechanical, Inc.
 5720 Alder Avenue
 Sacramento, CA 95828
 Lic. # 311454

Date: 02/16/06
 Number of pages including cover sheet: 3

FAX

Regarding: Verizon
 Airco Job No: 259719 00

To: Joe

 Phone: _____
 Fax phone: 239 1581

From: Paul West
Cyle Jacobson

 Phone: (916) 381-4523
 Fax phone: (916) 383-4850-581-1749

REMARKS: URGENT For your review Reply ASAP Please comment

VERIZON Exhaust Fan balance
EF-9 & REF 1A

U:\Documents and Labels\Business\Engineering Dept Fax Cover- Master Hardcopy.doc

SA1



**AIRCO MECHANICAL,
CONTRACTORS & ENGINEERS**
 5720 Alder Avenue, Sacramento, CA 95828
 Contractors License Number 311454
 p. 916-381-4523 f. 916-381-1749

Air Outlet Test Report

Project: Verizon
 Job Number: 259719-00-03
 System: EE-9

Test Date: 2-14-06
 Readings By: J. Jacobson
 Test Apparatus: Flow Hood TE 100

Office Area	1	EG	8"		100	80	101			95
1 st Mens	2		7"		140	105	113			128
1 st Wom.	3				140	95	94			132
2 nd Mens	4				140	115	146			138
2 nd Wom.	5				140	115	144			137
					660	490	598			630

Notes: No drawing



AIRCO MECHANICAL, INC.
 CONTRACTORS & ENGINEERS
 5720 Alder Avenue, Sacramento, CA 95828
 Contractors License Number 311454
 p. 916-381-4523 f. 916-381-1749

UPS PROJ
 BATT R M S.

**Air Outlet
 Test Report**

Project: Verizon - H Module
 Job Number: 259719-00-03
 System: E REF-1A

Test Date: 2-2-06
 Readings By: Lyle Jacobson
 Test Apparatus: Shortline ADM 880C

		Area	Fpm	Fpm	CFM	Fpm	CFM
1	ER 20x16	2.04	760	1550	704	1436	760 1550
2	ER 24x14	2.14	584	1250	523	1119	579 1239
	Total			2900		2555	2789

Notes: No drawing

INSTALLATION INSTRUCTIONS
3 HOUR UL CLASSIFIED
CURTAIN TYPE FIRE DAMPERS
MODEL (D)IBD23

APPLICATION

The (D)IBD23 carries a 3 hour fire damper label and is approved for use in fire walls or floors with ratings of 3 hours or more. Fire Dampers require a field- or factory-installed sleeve. Select a sleeve of sufficient length to permit attachment, with perimeter mounting angles, to duct work on each side of wall or floor opening.

IBD23 MAXIMUM SIZE

Single Section

Vertical Installation – 36" w x 36" h (914 x 914).

Horizontal Installation – 30" w x 45 1/2" h (762 x 1156).

Multiple Section Assembly

Vertical Installation – 90" w x 72" h (2286 x 1829).

Horizontal Installation – 90" w x 91" h (2286 x 2301).

MODEL DIBD23 MAXIMUM SIZE

Single Section

Vertical Installation – 33" w x 36" h (838 x 914)

MODEL DIBDX23 MAXIMUM SIZE

Single Section

Vertical Installation – 18" w x 24" h (457 x 610)

Horizontal Installation – 18" w x 24" h (457 x 610) or 24" w x 18" h (610 x 457)

Multiple Section Assembly

Vertical Installation – 36" w x 48" h (914 x 1219)

Horizontal Installation – 36" w x 48" h (914 x 1219) or 48" w x 36" h (1219 x 914)

Notes:

1. Dimensions shown in parentheses () indicate millimeters.
2. All multiple section dampers are constructed of equal single section sizes no greater than the maximum single section sizes indicated above.

INSTALLATION SUPPLEMENTS

Refer to the appropriate Ruskin installation instructions supplements for additional information or special requirements:

- Optional Sealant of Dampers in Fire Rated Walls or Floor Openings
- Transfer Openings and Duct Terminations
- Optional FireStop Material
- Extension of Fire and Combination Fire and Smoke Damper Sleeves
- Fire and Combination Fire and Smoke Dampers Installation in Concrete Floor with Steel Deck
- Drivemate No. 14880 Breakaway Connection
- Flanged System Breakaway Connections

16 1/4" x 16 1/4" I.D.
Finish opening



SEE COMPLETE
MARKING ON
PRODUCT

California State Fire Marshal Listing No. 3225-245:005

1. Opening Clearance

The opening in the wall or floor shall be larger than the damper/sleeve assembly to permit installation or expansion. The opening shall be a minimum of 1/8" per foot (3 per 305) larger than the overall size of the damper/sleeve assembly. The maximum opening size shall not exceed 1/8" per foot (3 per 305) plus 2" (51), nor shall the opening be less than 1/4" (6) larger than the damper/sleeve assembly.

2. Fasteners and Multiple Section Assembly

Use No. 10 (M5) bolts or screws, 3/16" (5) rivets, tack welds or spot welds as depicted in figures 3 and 4 and spaced as follows when joining individual dampers to make multiple section damper assemblies or when fastening damper to the sleeve:

Vertical Mount (In wall)
All dampers 6" (152) spacing

Horizontal Mount (In floor)
All dampers 6" (152) spacing

Multiple section horizontal mount dampers require a 14 gage thick x 4 1/2" (2 x 114) wide steel reinforcing plate sandwiched between the damper frames with 1/2" (13) long welds staggered intermittently and spaced on maximum 6" (152) centers. The reinforcing plate must be the same material as the dampers. The length must be equal to the damper width of two or more adjoining damper sections. Reinforcing plates are not required for assemblies consisting of two dampers attached end-to-end or three dampers attached side-to-side as depicted in figure 5.

3. Damper Sleeve

Sleeve thickness must be equal to or thicker than the duct connected to it. Sleeve gage requirements are listed in the SMACNA Fire, Smoke and Radiation Damper Installation Guide for HVAC Systems and in NFPA90A. If a breakaway style duct/sleeve connection is not used, the sleeve shall be a minimum of 16 gage (1.6) for dampers up to 36" (914) wide by 24" (610) high and 14 gage (1.9) for dampers exceeding 36" (914) wide by 24" (610) high. Damper sleeve shall not extend more than 6" (152) beyond the fire wall or partition unless damper is equipped with a factory installed access door. Sleeve may extend up to 16" (406) beyond the fire wall or partition on sides equipped with a factory installed access door. Sleeve shall terminate at both sides of wall within dimensions shown.

4. Damper Orientation

Use "Air Flow" and "Mount with Arrow Up" labels on Dynamic DIBD models for proper damper orientation. For Static IBD models use only "Mount With Arrow Up" label on damper for proper damper orientation.

5. Mounting Angles

Mounting angles shall be a minimum of 1 1/2" x 1 1/2" x 20 gage steel (38 x 38 x 1.0) and must be attached only to the sleeve. Mounting angles must overlap the partition a minimum of 1" (25). Do not weld or fasten angles together at corners of dampers. Ruskin fire dampers may be installed using Ruskin PFMA.

a. Mounting Angle Fasteners

Sleeve: #10 bolts or screws, 3/16" (5) steel rivets or 1/2" (13) long welds.

Masonry/Wall or Floor: #10 self-tapping concrete screws.

Wood/Steel Stud Wall: #10 screws

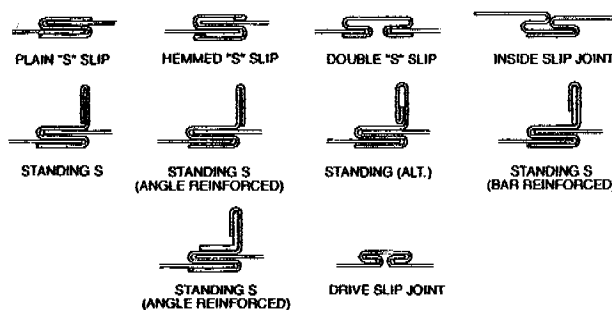
b. Mounting Angle Fastener Spacing

Fasteners shall be spaced at 8" (203) o.c.

6. Duct/Sleeve Connections

a. Break-away Duct/Sleeve Connections

Rectangular ducts must use one or more of the connections depicted below:



A maximum of two #10 sheet metal screws on each side and the bottom, located in the center of the slip pocket and penetrating both sides of the slip pocket may be used. Connections using these slip joints on the top and bottom with flat drive slips up to 20" (508) long on the sides may also be used.

b. Round and Oval Break-away Connections

Round and flat oval break-away connections must use either a 4" (102) wide drawband or #10 sheet metal screws spaced equally around the circumference of the duct as follows:

- Duct diameters 22" (559) and smaller – Maximum 3 screws.
- Duct diameters over 22" (559) and including 36" (914) – Maximum 5 screws.
- Duct diameters over 36" (914) and up to and including 191" (4851) total perimeter – Maximum 8 screws. For flat oval ducts, the diameter is considered the largest (major) dimension of the duct.

Note: When optional sealing of these joints is desired, the following sealants may be applied in accordance with the sealant manufacturer's instructions:

Hardcast, Inc. – Iron Grip 601

Eco Duct Seal 44-52

Precision – PA2084T

c. Flanged Break-away Style Duct Sleeve Connections.

Flanged connection systems manufactured by Ductmate, Nexus or Ward are approved break-away connections when installed as shown on the Flanged System Breakaway Connections Supplement.

TDC and TDF roll-formed flanged connections using 3/8" (10) steel bolts and nuts, and metal cleats, as tested by SMACNA, are approved break-away connections when installed as shown on the Flanged System Breakaway Connections Supplement.

d. Non-Break-away Duct/Sleeve Connections

If other duct sleeve connections are used, the sleeve shall be a minimum of 16 gage (1.6) for dampers up to 36" (914) wide x 24" (610) high and 14 gage (2.0) for dampers exceeding 36" (914) wide x 24" (610) high.

7. Installation and Maintenance

To ensure optimum operation and performance, the damper must be installed so it is square and free from racking. Each fire damper should be maintained and tested on a regular basis and in accordance with the latest editions of NFPA 90A and local codes. Care should be exercised to ensure that such tests are performed safely and do not cause system damage.

VERTICAL INSTALLATION

Damper is properly installed when leading edge of closed blades is within the wall.

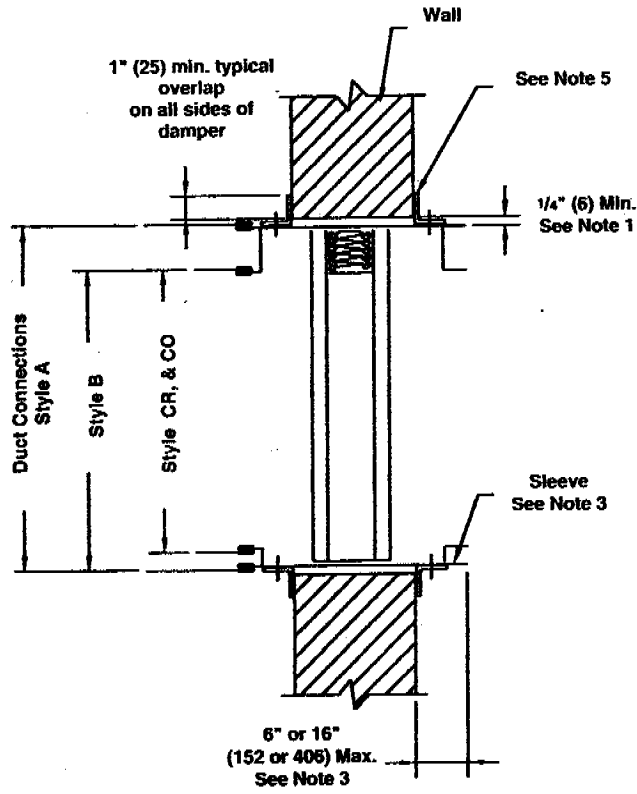


FIGURE 1

HORIZONTAL INSTALLATION

Damper is properly installed when leading edge of closed blades is within the floor.

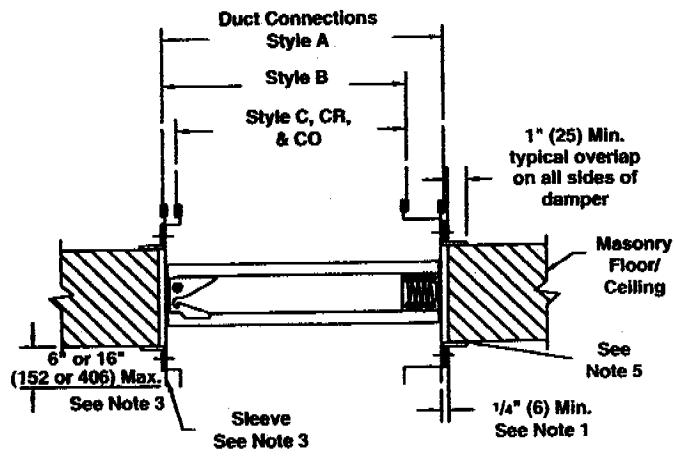


FIGURE 2

FASTENER SPACING

HORIZONTAL INSTALLATION

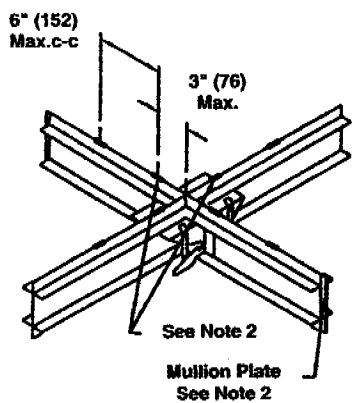


FIGURE 3

VERTICAL INSTALLATION

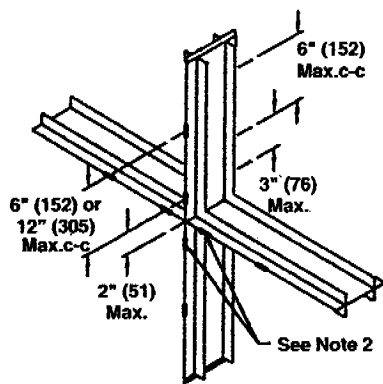


FIGURE 4

REINFORCING PLATE

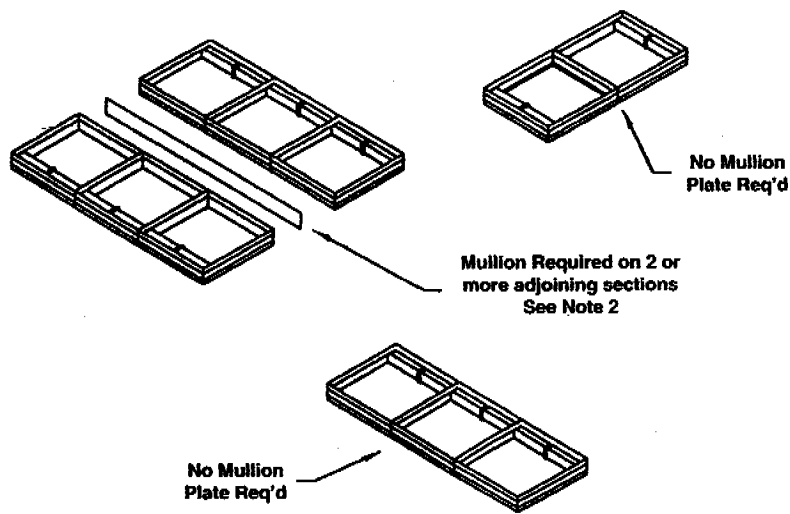
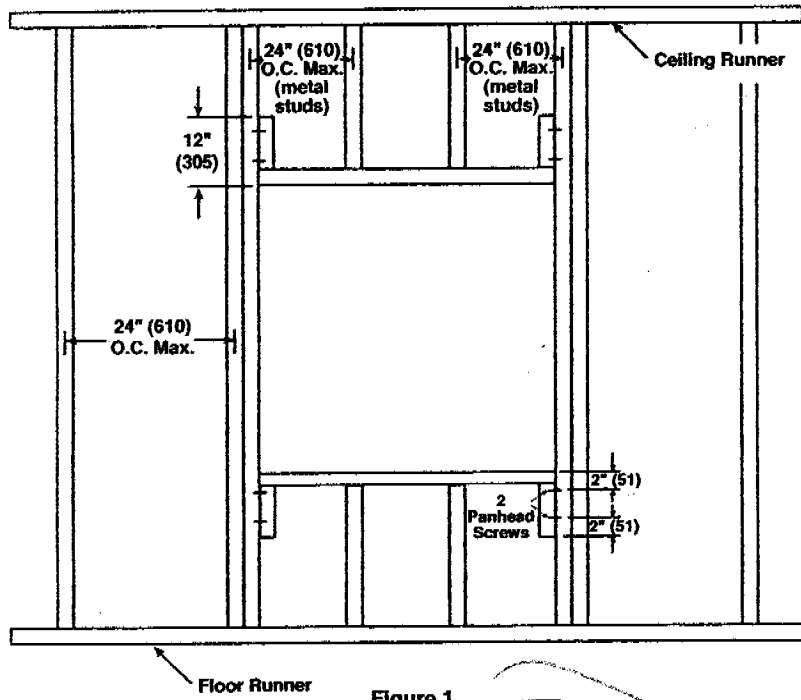


FIGURE 5

RECOMMENDED FRAMING FOR OPENINGS IN WOOD AND METAL STUD WALLS

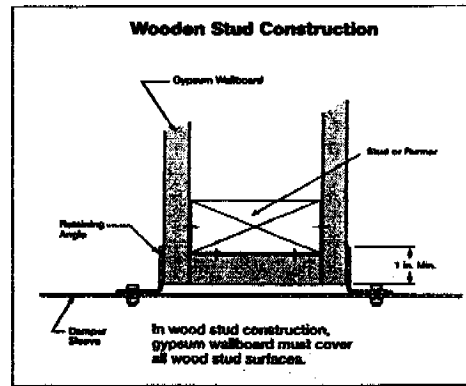
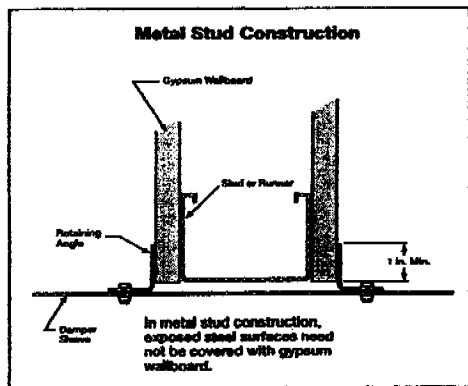
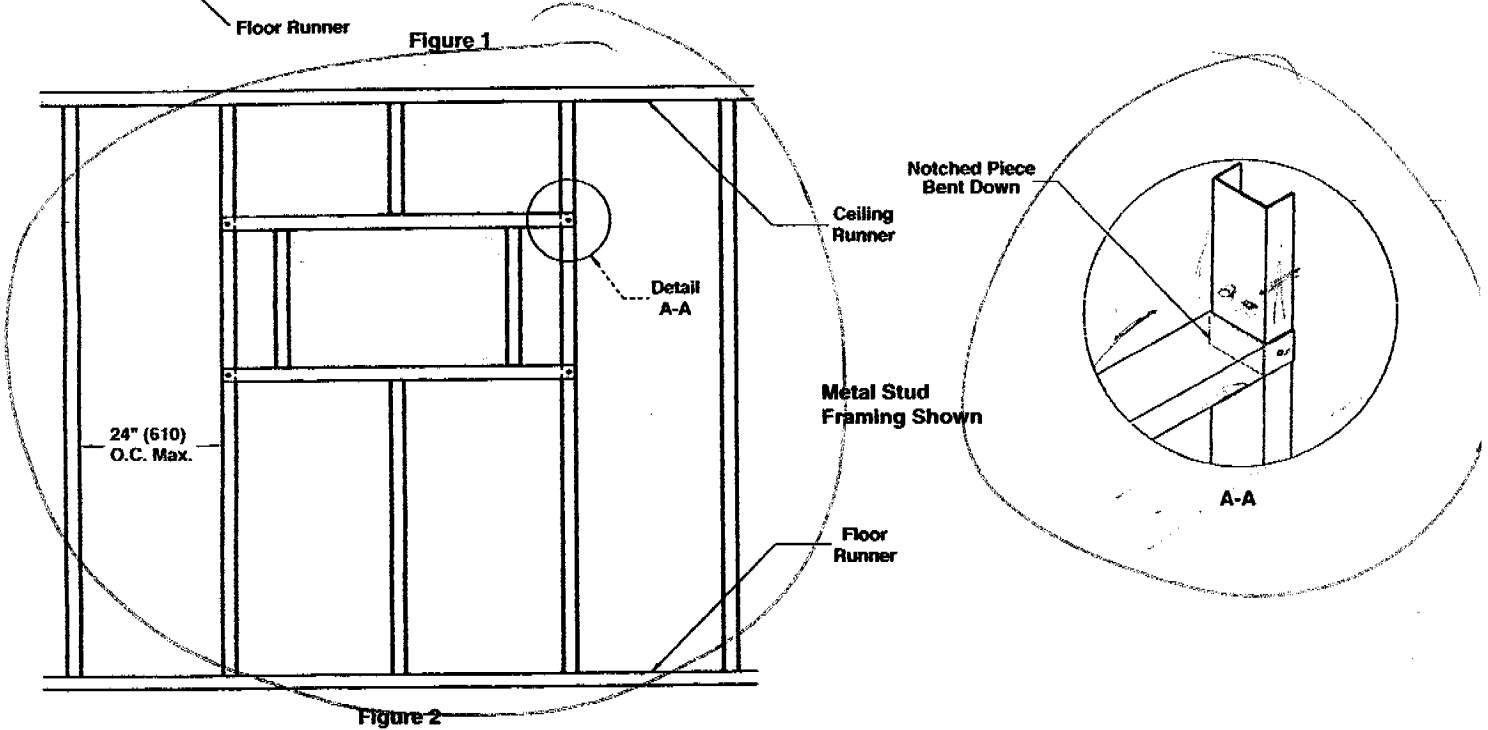


INSTRUCTIONS

1. Frame wall openings as shown.
2. Double vertical studs are not required for openings 36" w x 36" h (914 x 914) or smaller.
3. Full length studs are not required next to the damper if the spacing from the damper to the full length stud does not exceed the maximum stud spacing. The opening may be framed with studs that are attached to full length studs (see figure 2).
4. All construction and fasteners must meet the requirements of the appropriate wall design and/or local codes.
5. Consult the authority having jurisdiction for other acceptable framing methods.

NOTE

The Metal Stud Construction and Wood Stud Construction figures at the bottom of the page depict mounting angles installed on both sides of the partition. A single angle may be sufficient. Refer to the instructions for single angle installation requirements.



AIR TEST & BALANCE REPORT

PROJECT:
Spec T.I
5420 Florin Perkins Rd.
Sacramento, CA.

The following is a report containing air testing and balancing results from the Spec T.I project. All HVAC systems were tested and balanced per engineered plans and equipment capacities, and according to standards established by the National Balancing Institute.

Buzz Oates Air Conditioning certifies the report to be true and correct as shown.

Please contact us with any questions or for additional information regarding the interpretation of the report or with any other comfort needs.



Phil Cooper
Certification #204711

DATE

16-Mar-2006

PROJECT

5420 Florin Perkins
Rd.

TO

JOB NUMBER

1931



BOAC

BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr
Sacramento, CA 95828
(916) 381-4611

CCL #611351

HVAC SYSTEM REPORT

DATE
16-Mar-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER
FAN PULLEY DATA
DIAMETER
SHAFT
ADJ/FIXED

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1600	1585
RETURN AIR CFM	1280	1250
OUTSIDE AIR CFM	320	335
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		

PROJECT
5420 Florin Perkins
Rd. Suite 100

MOTOR NAMEPLATE DATA

MANUFACTURER A.O. Smith
VOLTS/PHASE 460V-3PH
HORSEPOWER 1.5
FULL LOAD AMPS 2.6
RPM 1725
SERVICE FACTOR 1.15

MOTOR

AMPS	2.6	2.1
VOLTS	460	478
HORSEPOWER	1.5	1.5
RPM		

SYSTEM

HP 1

MOTOR PULLEY DATA

DIAMETER 3.75
SHAFT 3.4
ADJ/FIXED

FIELD FORMS AVAILABLE
 DUCT TRAVERSE
 SYSTEM DIAGRAM
 PULEY CALCULATIONS

READINGS

CONDENSING UNIT DATA

MANUFACTURER YORK
MODEL BQ048C00N4AAA2A
TONNAGE 4
SERIAL NUMBER NOK5919811

TEMPERATURE IN _____
TEMPERATURE OUT _____
DROP/RISE _____

JOB NUMBER
1931

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
OPEN	S1	CD	12X12	350	300	330	94%
OPEN	S2	CD	12X12	350	400	345	99%
OPEN	S3	CD	12X12	350	350	345	99%
OPEN	S4	CD	12X12	350	460	360	103%
BATH	S5	SD	6X6	100	100	105	105%
BATH	S6	SD	6X6	100	100	100	100%
				1600		1585	99%
OPEN	R1	RG	22X22	1280	1250	1250	98%



BOAC

BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
Sacramento, CA

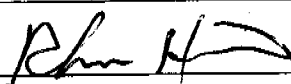
REMARKS

CA LIC.#611351

CITY OF SACRAMENTO

CERTIFICATE OF OCCUPANCY

For Information Contact (916) 808-5716

Building Address: 5420 FLORIN PERKINS RD Permit No.: 0509840
Building Use: OFFICE SPACE Occupancy: B/S-1
Building Owner: BUZZ OATES DEVELOPMENT Construction Type: IIIN
Owner Address: SACRAMENTO, CA Sprinkled? Yes No
Portion of Building Occupied: BLDG A / SUITE #100 Area: 792 Sq. Ft.
7/27/06 RICHARD HEINS  ROBERT LEE CHASE, AIA
Date By: (Print) Sign CHIEF BUILDING OFFICIAL

[Finaled By: JRR, DJP, KR, SINGH]

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