

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).

Lenders Name \_\_\_\_\_

Lenders 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 C 36 Lic. Number 532458

Date 9/14/97 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 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 Professions 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 or 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 or 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 & P C 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 of this city to enter upon the above-mentioned property for inspection purposes.

Date 9/14/97 Signature of Applicant or Agent [Signature]

BUILDING SITE ADDRESS

6420 Freeport Blvd.

SUITE

INSTR. NO. 3C

ASSESSOR PARCEL NO.

035-0102-011

COMMITTEE PLAN NO.

317-B6

PLAN CHECK NO. CC

NAME OF APPLICANT

LICENSED CONTRACTOR

PROPERTY OWNER

ARCH. ENGR.

ADDRESS

6400 Elvas Ave B

SAC

6420 Freeport Blvd

SAC

ZIP CODE

95819

95822

PHONE NO.

455-3171

428-9202

LICENSE NO.

NO. OF STORIES	NO. OF ROOMS	ROOF COVERING	AREA 1ST FLOOR	TOTAL AREA	GARAGE AREA	PATIO AREA	USE ZONE	STREET WIDTH
							<u>M1</u>	

THIS PERMIT IS FOR:  BUILDING  MECHANICAL  PLUMBING  ELECTRICAL  SITE  FIRE

NATURE OF WORK IN DETAIL: INSTALL 1 1/2" R.P. Backflow prevention assembly per City of SAC

FLOOD STATUS ( ) SPECIAL CONDITIONS ATTACHMENTS: 9712893

CITY OF SACRAMENTO PERMIT SERVICES  
BUILDING INSPECTION DIVISION 264-7619

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 229 97 0017080  
1-1-98g

(This section need not be completed if the permit is for one hundred dollars (\$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: 9/14/97 Applicant: [Signature]  
(Signature)

WARNING: FAILURE TO SECURE WORKERS' 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 FEES.

VALUATION \$	<u>850.00</u>	FIRE SP.	.
ISSUED BY	<u>9-16-97</u>	FED CODE	<u>1A</u>
DATE ISSUED	<u>95-19-</u>	PERMIT NO.	<u>M</u>
BUILDING PERMIT FEE \$			
PLAN CHECK/PROC. FEE \$			
S.M.I. FEE \$			
CONST. EXCISE TAX \$	<u>40</u>		<u>7</u>
CITY BUS LICENSE \$	<u>2.7</u>		<u>6</u>
TECH. FEE \$			
WATER DEV. FEE \$			
CITY SEWER DEV. FEE \$			
REG. SEWER FEE \$			
RESIDENTIAL CONST. TAX \$			<u>97</u>
TOTAL FEES \$	<u>56.52</u>		<u>12893</u>

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

CITY OF SACRAMENTO  
 APPLICATION FOR BUILDING PERMIT  
 DEPARTMENT OF PLANNING AND DEVELOPMENT  
 BUILDING INSPECTION DIVISION

318-61

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

ADDRESS 8649 KEIFER BLVD., SACRAMENTO P.C. # 5330  
 PARCEL # 078-0190-025 SUITE # -  
 AREA # 1C

CONTACT  LICENSED CONTRACTOR

NAME SEE BELOW  
 ADDRESS \_\_\_\_\_  
 ZIP \_\_\_\_\_  
 PHONE \_\_\_\_\_ FAX: ( ) \_\_\_\_\_

NAME MARK III ENGN. CONTRS.  
 ADDRESS 5101 FLORIN PERKINS RD  
SACRAMENTO, CA ZIP 95826  
 PHONE 381-8080

ARCH./ENG.  OWNER/~~OWNER~~

NAME NORMAN H. SMITH  
 ADDRESS P.O. BOX 934  
ROCKLIN, CA ZIP 95677-0934  
 PHONE \_\_\_\_\_

NAME ADESA AUCTIONS OF SACTO  
 ADDRESS 8649 KEIFER BLVD.  
SACRAMENTO, CA ZIP 95826  
 PHONE 388-8899

WILL THE PERMITEE HAVE ANY EMPLOYEE'S ON THE JOBSITE?  YES  NO

NATURE OF WORK IN DETAIL: Remodel: Removal of walls, add walls, add windows  
& doors to exterior.  
Interior improvement

D.B.A. \_\_\_\_\_  VALUATION 99,900  
BELOW THIS LINE FOR BLDG. DEPT. USE ONLY

FLOOD STATUS \_\_\_\_\_  S.C.A.T. X30

JOB DESCR. BLDG SHEL APT TI(X) REM( ) SW FIRE ADD OTH

INSP. DISCIPLINES  BLDG  MECH  PLUMB  ELEC  SITE  FIRE

# OF STORIES	AREA 1ST FL.	TOTAL AREA	USE ZONE	OCCUP. GROUP	CONST. TYPE	FIRE SPRINK.	FED CODE	VIO. FILE
		<u>23,225</u>	<u>M2</u>	<u>B</u>	<u>I hr</u>	<u>Yes</u>	<u>15</u>	
<u>(B)</u>	<u>(L)</u>	<u>(P)</u>	<u>(M)</u>	<u>(E)</u>	<u>(F)</u>	<u>(S)</u>	<u>(D)</u>	<u>R</u>
<u>JL</u>	<u>JL</u>	<u>BD</u>	<u>BD</u>	<u>GM</u>	<u>EC</u>	<u>GS</u>		

COMMENTS: Need struc calcs and one additional set of PRIN 16

WORKERS COMP POLICY # \_\_\_\_\_  
 COMPANY \_\_\_\_\_

EXP. DATE \_\_\_\_\_

(SUBSTANTIAL IMPROVEMENTS)  
AGREEMENT REGARDING  
THE RISK OF FLOODING

RECITALS

- A. The undersigned have contracted for construction of the improvements located at ADESA Auctions Sacramento and described in the attached building permit (the "Improvements").
- B. The undersigned expressly acknowledge that the Improvements may be subject to flooding hazards due to their location in a 100-year floodplain, as described in the Flood Insurance Rate Map dated November 15, 1989, ("FIRM"), prepared by the Federal Emergency Management Agency ("FEMA").
- C. The undersigned acknowledge that they have read the Notice to Building Permit Applicants Regarding the Risk of Flooding attached as Exhibit "B."
- D. Despite the potential for flood damage, the undersigned intend that the Improvements be constructed even though they will not be at least one foot above the 100-year floodplain elevation levels identified in the Preliminary Work Map dated January, 1989, prepared by the U.S. Army Corps of Engineers.
- E. The undersigned acknowledge that the City of Sacramento (the "City") recommends obtaining flood insurance for the Improvements.

AGREEMENT

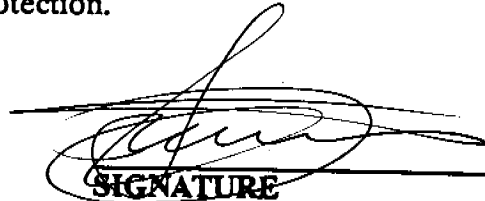
In consideration of the issuance of a building permit for construction of the Improvements, the undersigned agree as follows:

1. Flood-Related Property Damage. For purposes of this Agreement, the term "flood-related property damage" shall mean any property damage due to flooding resulting from an overtopping out of the channels of the Sacramento River, American River, Dry Creek, Arcade Creek or Morrison Creek levee systems or a break in those levee systems.
2. Assumption of Risk. The undersigned expressly assume the risk that the Improvements may be subject to flood-related property damage.
3. Waiver of Property Damage Claims. The undersigned unconditionally waive any flood-related property damage claim asserting liability on the part of the City, or its officers, agents or employees premised on the issuance of a permit for the Improvements,

9. Succession. The undersigned expressly intend that the obligations contained herein shall run with the Improvements and shall bind their respective heirs, assignees and successors in interest.

10. Termination. All of the obligations set forth in this Agreement shall terminate at such time as FEMA determines that the area in which the Improvements are located has attained at least 100-year flood protection.

DATED: Aug. 19/97

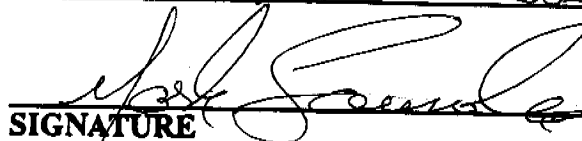
  
SIGNATURE

General Manager  
Title of Signatory if Signing for an Entity

David Simmons  
Name

8649 Kiefer Blvd.  
Address

Sacramento CA 95826.

  
SIGNATURE

Controller  
Title of Signatory if Signing for an Entity

Mark Saunders  
Name

8649 Kiefer Blvd.  
Address

Sacramento CA 95826

CITY OF SACRAMENTO  
Permit Center  
(916) 264-7046 - Fax

**Contractor's Agent Authorization**

Date: September 3, 1997

Contractor's Business Name: Mark III Engineering Contractors

Address: 5101 Florin-Perkins Road, Sacramento, CA 95826

Phone: (916) 381-8080

Contractor's License Number: 574134

Contractor's License Class: A, B, C-10, C-16, C-32

License Expiration Date: 8/31/98

License Holder Name: Tim O'Brien - Mark O'Brien

I hereby affirm 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.

 9/3/97  
Signature of Licensed Contractor Date

I authorize the following person(s) to sign for permits on my behalf:

Price Eres



**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: ADESA Auctions Sacramento Phone: (916) 388-8899  
 Site Address: 8649 Kiefer Blvd., Sacramento CA 95826 Suite: \_\_\_\_\_  
(Street) (Zip)  
 Business Owner/Representative: David Simmons Phone: (916) 388-8899  
 Nature of Business: Wholesale Vehicle Auction  
 Property Owner: A & A Properties Phone: (916) 381-0609  
 Address: 8615 Elder Creek Rd., Bear Suite: \_\_\_\_\_  
Sacramento CA 95828  
(City) (State) (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.

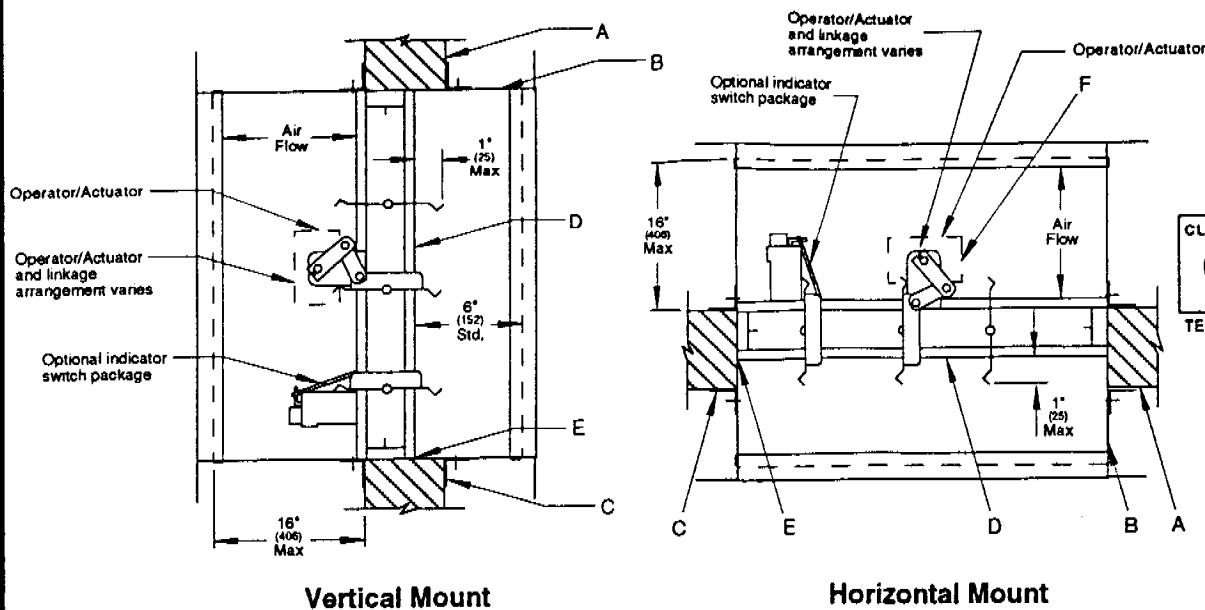
Applicant's Name: David Simmons  
(Print)  
[Signature]  
(Signature)  
Aug 19/97  
(Date)

BID Use Only: Plan Ck# _____ Permit # <u>7712218</u>	
OK to issue prmt? Y _____	F.D. Appr Req'd? Yes No
_____ <small>init date</small>	
Hold on Certificate of Occupancy? Yes No	
Fire Dept. Use Only:	
OK to issue permit? ini' _____ date _____	OK to issue Certificate of Occupancy? ini' _____ date _____

# POTTORFF®

## Series FSD-170

### combination fire and leakage rated damper wall and floor installation instructions



CLASSIFIED  
UL  
SEE DETAILS ON UL  
CLASSIFICATION  
MARKING ON  
ENCLOSED PRODUCT  
TESTED PER U.L. 555 AND 555S

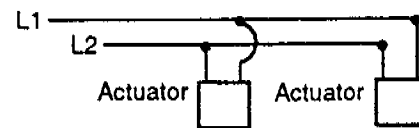
**Note:**  
All dimensions shown  
in ( ) are in millimeters.

- Vertical Mount**
- Horizontal Mount**
- A. Concrete or masonry fire partition shown. See Wood Stud and/or Steel Stud Framing for Fire Dampers In Drywall and/or Cavity Shaftwall Partitions Supplemental Installation Instructions for further vertical mount installation details. Opening shall be a minimum 1/4" (6) larger than the overall damper and sleeve assembly size and a maximum of 1-1/4" (32). Damper must be installed with leading edge of closed blade within the partition.
  - B. For rigid type duct connections, the sleeve shall be a minimum of 16 gage (1.5) for dampers up to 24" wide by 24" high (610 x 610). When lighter gage sleeves are used, one or more of commonly used break away style connections are required. Refer to Sleeve Termination Supplemental Installation Instructions for further details. In no case will the sleeve gage be less than the duct gage to which it is connected. Damper sleeve shall not extend more than 16" (406) beyond the rated partition on the actuator side. The opposite side extension shall be a maximum of 6" (152) unless an access door is installed in the sleeve which then permits the extension to be a maximum of 16" (406).
  - C. Mounting angles shall be a minimum of 1-1/2" x 1-1/2" x 16 gage (38 x 38 x 1.5). Fastening or welding angles together at the corners is not required. The angles shall be attached to the sleeve, not the partition, with 3/16" (4.8) diameter steel rivets, Quick-Lock Joints, welds, or No. 10 (M5) bolts or sheet metal screws at 8" (203) o.c. maximum. A minimum of two connections per side, top, bottom. Mounting angles shall overlap the wall a minimum of 1" (25). A minimum 3/4" x 20 gage (19 x 1) flange termination may be used in lieu of mounting angles on one side. Refer to Sleeve Termination Supplemental Installation Instructions for further details. Ensure that attachment device does not interfere with the operation of the damper and the free movement of the damper blades.
  - D. When joining multiple sections or fastening the damper to the sleeve, the damper shall be fastened with 3/16" (4.8) diameter steel rivets, Quick-Lock Joints, welds, or No. 10 (M5) bolts or sheet metal screws at 8" (203) o.c. maximum. A minimum of two connections per side, top, bottom.
  - E. A continuous bead of Dow-Corning 999A, Dow-Corning 732, Fiberfax, or GE RTV silicone rubber sealant shall be applied between the damper and the sleeve and between sections of a multiple damper assembly. Sealant is only required on one side of the damper.
  - F. Fire/Leakage rated dampers and qualified operators are tested together by Underwriters Laboratories and are factory installed to qualify for standard damper/operator warranties. Field installed qualified operators must bear the Pottorff UL Label and shall be installed according to the specific operator installation instructions for mounting arrangements, duct velocity, and damper size. Damper operator/actuator must be tested prior to system start-up to ensure proper operation. Before applying power to the operator/actuator, the power must be verified.

FSD-170A 4/97

#### Model - FSD-171 or FSD-172

For Use in Dynamic or Static Systems.  
1-1/2 Hour Rated.  
Galvanized or Stainless Steel construction.  
Maximum damper size is 24" wide x 24" high. (610 x 610)  
Minimum damper size is 8" wide x 8" high. (203 x 203)



Multiple Actuator - Field Wiring

These instructions comply with Underwriters Laboratories Safety Standards 555 and 555-S. UL File # R15401. The product is also listed by CSFM File #3225-0368:110 & 3230-0368:111 and conforms to NFPA 90-A and NFPA 92-A.

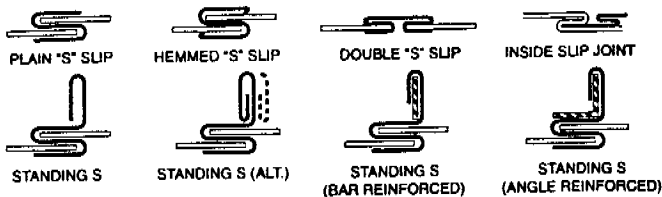
POTTORFF 700 SOUTH VAIL AVENUE, MONTEBELLO, CA 90640  
A DIVISION OF PCI INDUSTRIES



CLASSIFIED SEE DETAILS ON UL CLASSIFIED CLASSIFICATION MARKING ON ENCLOSED PRODUCT C (UL) TESTED PER U.L. 555

Note: All dimensions shown in ( ) are in millimeters.

- 1) Duct-sleeve connections listed in UL 555, Fifth Edition, "Standard For Fire Dampers".

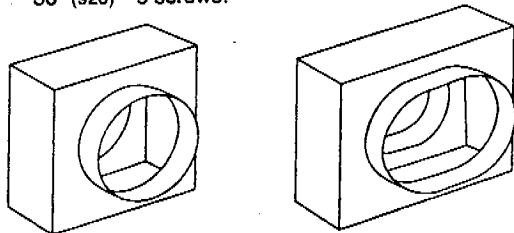


- 2) Additional duct-sleeve connections which were tested and witnessed by UL. The connections performed within the requirements of the UL test criteria.

**(a) Sheet Metal Screws-Rectangular Duct Connections**  
 Joints using connections shown in 1). above with a maximum of two No.10 (M5) sheet metal screws on each side and on the bottom located in the center of the slip pocket and penetrating both sides of the slip pocket. Note: UL tested duct sealant may be used.

**(b) Sheet Metal Screws-Round Duct Connections**  
 Joints where round or oval spiral ducts attach to round or oval collars which are part of the damper sleeve as shown below. No.10 (M5) sheet metal screws are spaced equally around the circumference of the duct per the following:

- Duct diameters 22" (560) and smaller—3 screws.
- Duct diameters over 22" (560) to and including 36" (920)—5 screws.



DAMPER/SLEEVE ASSEMBLIES WITH COLLARS FOR ROUND AND FLAT OVAL DUCTS

**Notes:**

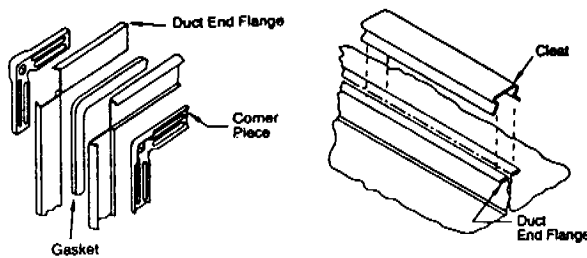
- (1) For flat oval ducts, the diameter shall be considered the largest (major) dimension of the duct.
- (2) UL tested duct sealant may be used.

**(c) Flat Drive Slips**

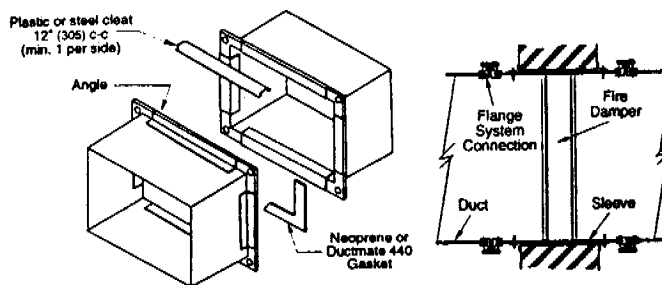


Joints using connectors of the types shown in 1). above on the top and the bottom and using flat drive slips not exceeding 20" (508) duct height on the sides (see sketch above). Note: UL tested duct sealant may be used.

**FLANGED DUCT CONNECTIONS**



(d) TDC and TDF roll-formed 4-bolt flanged connections assembled per the manufacturer's instructions using gaskets and metal cleats. **Do not bolt corners together.**

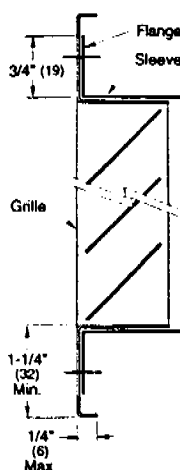


(e) Ductmate, Ward and Nexus slip on 4-bolt flanged connections assembled per the manufacturer's instructions using gaskets and cleats as shown above. **Do not bolt corners together.**

**General Installation for Flanged Duct Connections**

Flange corner pieces insert into the hollow web of the angles and slip over the duct and sleeve. Closed cell neoprene gasket or Ductmate 440 gasket tape is then applied to one face of the flange. To complete installation, butt the flange faces together, aligning edges, and install cleats over the flange. Cleats shall be 6" (153) long, plastic or steel. Install minimum one per side, spaced 12" (305) center to center.

**FLANGE TERMINATION AT A GRILLE**



Grille (by others) must be minimum 26 gage (0.6) steel.

Grille is to be screwed to minimum 3/4" x 20 gage (19 x 1) flange. **Do not screw grill to the wall.**

Grille flange must be minimum 1-1/4" (32) and overlap the opening a minimum of 1/2" (13).

Select the damper with sleeve of sufficient length to permit attachment, with perimeter mouting angles, to duct work on one side of the wall, floor or ceiling opening. Detail shown is for vertical application.

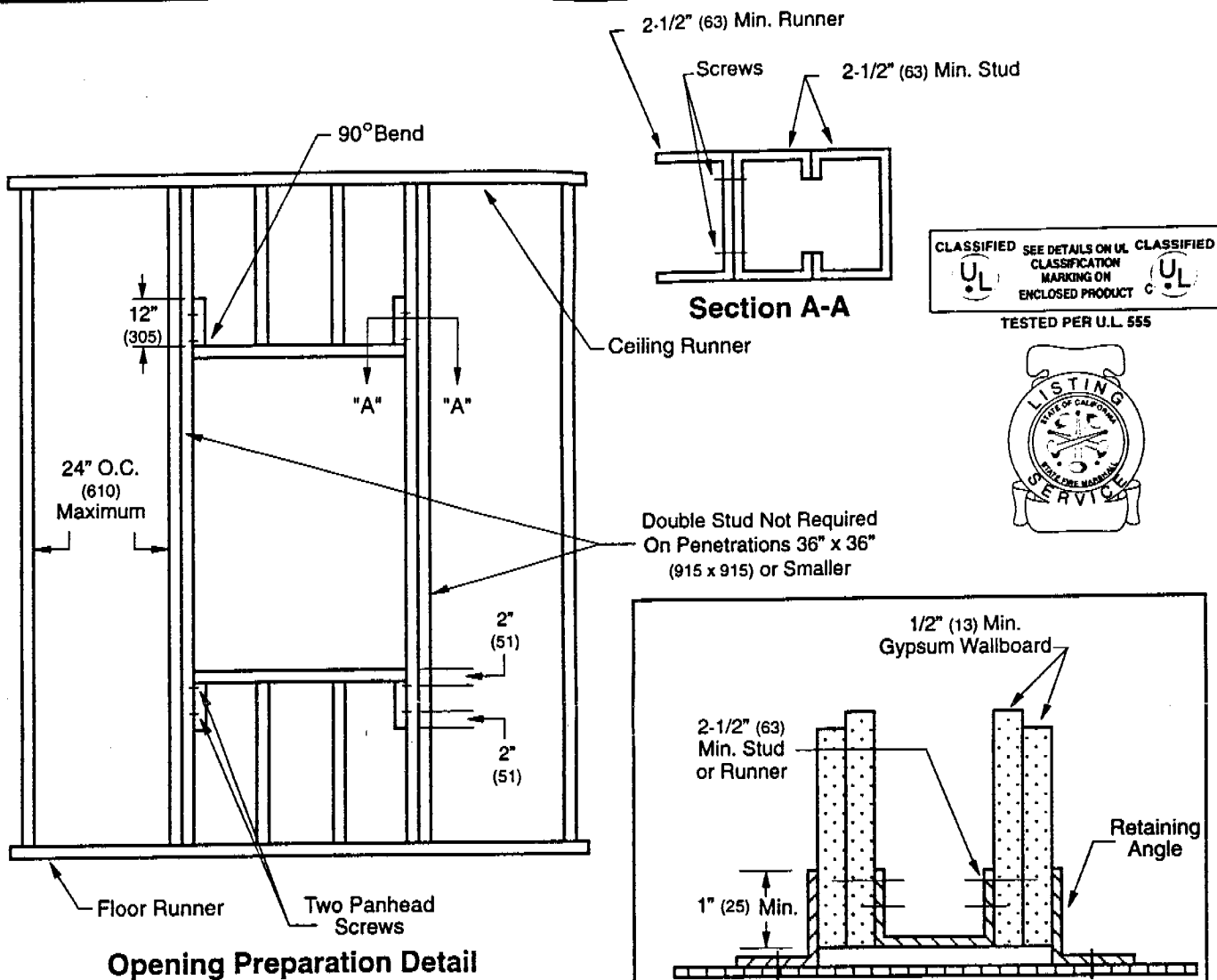
**Application**

All of these connections may be used to terminate the damper sleeve in place of slip joints, for Pottorff multiple blade or single blade fire dampers, curtain type fire dampers, and combination fire-smoke dampers.

FDI-1-11-86

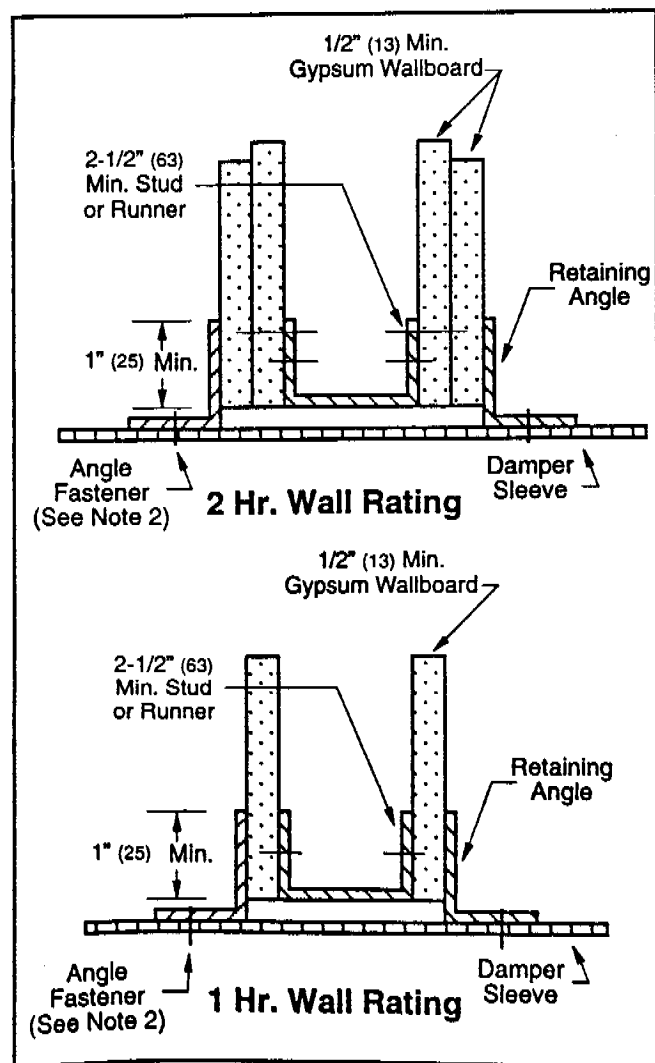
# POTTORFF®

## Metal Stud Framing for Fire Dampers In Drywall Partitions Installation Instructions Supplement



### NOTES

1. Gypsum panels must be screwed 12" (305) O.C. maximum to all stud and runner flanges surrounding opening.
2. Mounting angles shall be a minimum of 1-1/2" x 1-1/2" x 16ga (38 x 38 x 1.5). The angles should be attached to the sleeve, not the partition, with No. 10 (M5) sheet metal screws, or welds, or 1/4" (6) x 20 bolts at 12" (305) o.c. maximum. A minimum of two connections per side, top, bottom. Mounting angles shall overlap the wall a minimum of 1" (25). A minimum 3/4" x 20 gage (19 x 1) flange termination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions for further details.
3. See standard installation instruction sheets for additional details.



Note: All dimensions shown in ( ) are in millimeters.

POTTORFF 700 SOUTH VAIL AVENUE, MONTEBELLO, CA 90640  
A DIVISION OF PCI INDUSTRIES

# POTTORFF®

## Wood Stud Framing for Fire Dampers

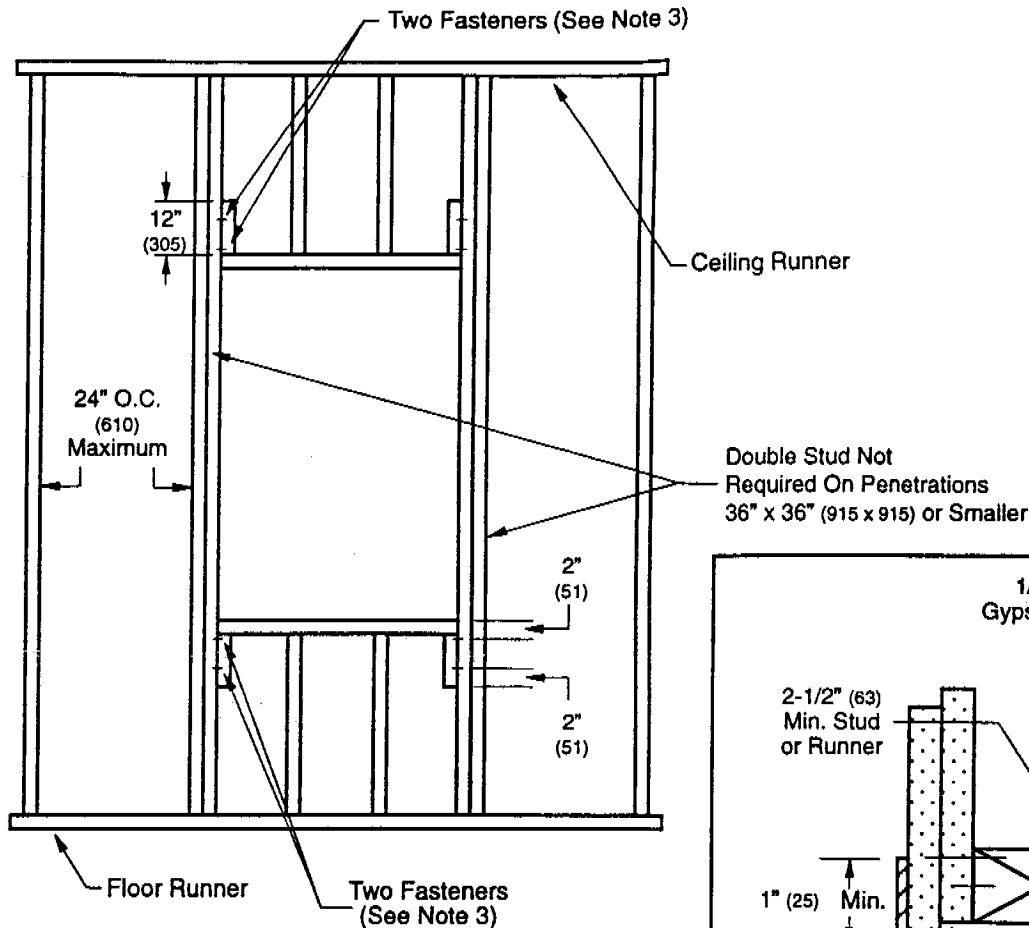
### In Drywall Partitions

#### Installation Instructions Supplement

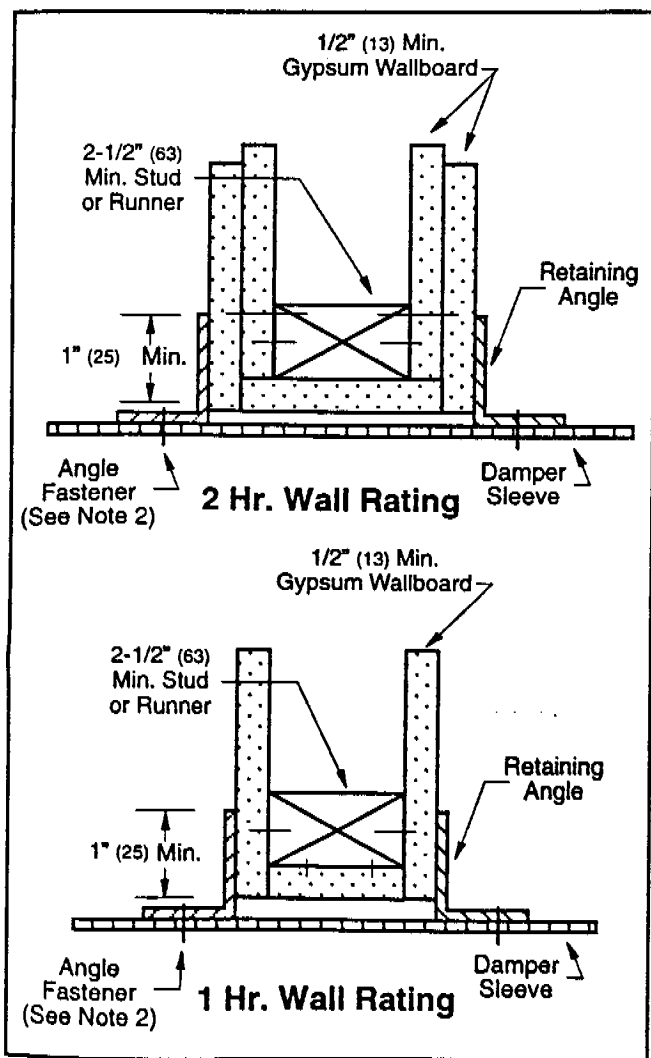
CLASSIFIED SEE DETAILS ON U.L. CLASSIFIED  
CLASSIFICATION MARKING ON  
ENCLOSED PRODUCT



TESTED PER U.L. 555



Opening Preparation Detail



#### NOTES

1. Gypsum panels must be fastened 12" (305) O.C. maximum to all stud and runner flanges surrounding opening.
2. Mounting angles shall be a minimum of 1-1/2" x 1-1/2" x 16ga (38 x 38 x 1.5). The angles should be attached to the sleeve, not the partition, with No. 10 (M5) sheet metal screws, or welds, or 1/4" (6) x 20 bolts at 12" (305) o.c. maximum. A minimum of two connections per side, top, bottom. Mounting angles shall overlap the wall a minimum of 1" (25). A minimum 3/4" x 20 gage (19 x 1) flange termination units sleeve flange may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions for further details.
3. All fasteners to be per U.L. Classified wall design.
4. See standard installation instruction sheets for additional details.

Note: All dimensions shown in ( ) are in millimeters.

POTTORFF 700 SOUTH VAIL AVENUE, MONTEBELLO, CA 90640  
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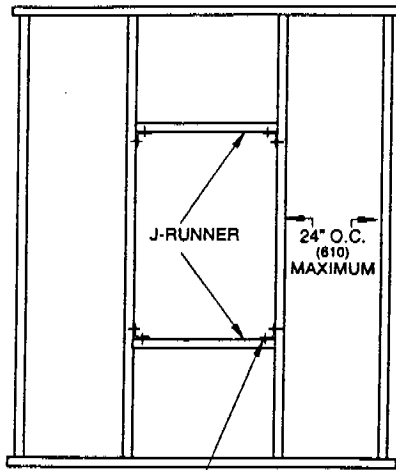
FDH-11-1-86

# POTTORFF®

## Metal Stud Framing for Fire Dampers

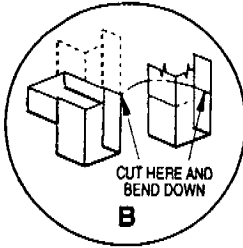
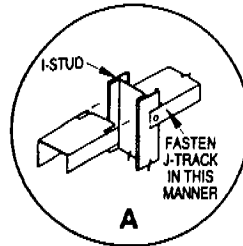
### In Cavity Shaftwall Partitions

#### Installation Instructions Supplement



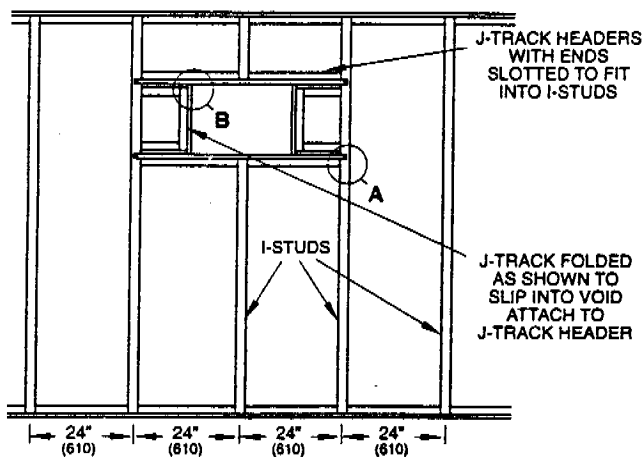
1-1/2" x 1-1/2" x 2"  
(38 x 38 x 51) Min.  
Angle Screw Attached with  
5/8" (16) Type S-12 (Min.) Screw

Opening Preparation Detail

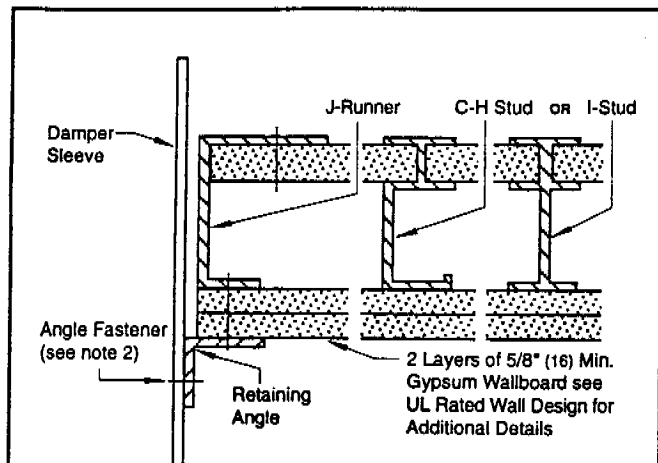


CLASSIFIED SEE DETAILS ON UL CLASSIFIED  
UL CLASSIFICATION MARKING ON ENCLOSED PRODUCT C UL

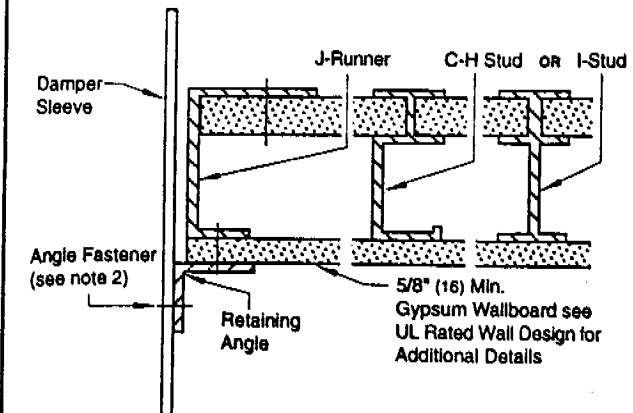
TESTED PER U.L. 555



Optional Opening Preparation Detail for I-Stud Assembly



2 Hr. Wall Rating



1 Hr. Wall Rating

#### NOTES

1. Gypsum panels must be screwed 12" (305) O.C. maximum to all stud and runner flanges surrounding opening.
2. Mounting angles shall be a minimum of 1-1/2" x 1-1/2" x 16ga. (38 x 38 x 1.5). For opening sizes ≤ 48" x 36" (1224 x 915) retaining angles are only required on one side of the partition (see adjacent drawings) and must be attached to the sleeve and the partition. For larger openings (or optional on smaller openings as well), retaining angles are required on both sides of the partition and must be attached to the sleeve. Attachment to the sleeve and/or the partition shall be with No. 10 (M5) sheet metal screws, or welds, or 1/4" (6) x 20 bolts at 12" (305) o.c. maximum. A minimum of two connections per side, top, bottom. Mounting angles shall overlap the wall a minimum of 1" (25). A minimum 3/4" x 20 gage (19 x 1) flange termination may be used in lieu of mounting angles. Refer to Sleeve Termination Supplemental Installation Instructions for further details.
3. See standard installation instruction sheets for additional details.

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