

SUBMITTAL RECORD \_\_\_\_\_  
 JOB \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 SUBMITTED TO \_\_\_\_\_  
 SUBMITTAL PREPARED BY \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 DATE \_\_\_\_\_



# Submittal Form DAD Insulated Access Doors Hinged

## DESCRIPTION

Periodic inspection and testing of fire and smoke dampers and detectors in ductwork is a standard safety procedure. Easy access to these devices as well as providing a means of access for duct cleaning. Duro Dyne Access Doors incorporate an integral frame which readily fastens to the duct work as well as a camlock latching system for easy entry.

## RELATED NFPA 90A & 90B STANDARDS

### 2-1.4 Duct Access and Inspection Provisions.

**2-1.4.1** A service opening or telescoping or removable duct section shall be provided in ducts adjacent to each fire door, fire damper, smoke damper and smoke detector. The opening shall be large enough to permit maintenance and resetting of the device.

**2-1.4.1** Service openings, telescoping or removable duct sections shall be identified with letters no less than 1/2 in. (1.27 cm) in height to indicate the location of the fire protection device(s) within.

**2-1.4.3** Horizontal ducts and plenums shall be provided with service openings (see 2-1.4.1) to facilitate cleaning the duct of accumulations of dust and combustible materials. Service openings shall be placed at approximately 20 ft. (6.1-m) intervals along the duct and at the base of each vertical riser.

**Exception No. 1:** Removable air outlet or air inlet devices of adequate size may be accepted in lieu of service openings.

**Exception No. 2:** Service openings may be omitted in supply ducts when the supply air has previously passed through air filters or water spray.

**Exception No. 3:** Service openings are not required when all the following conditions prevail:

(a) The occupancy does not produce combustible material such as dust, lint, greasy vapors, etc. Such occupancies include banks, office buildings, churches, hotels, and health care facilities (but not kitchens, service rooms, and manufacturing portions of such facilities).

(b) The air inlets are at least 7 ft. (2.13m) above the floor or are protected by corrosion-resistant metal screens of at least 14 mes, installed at the inlets so that they will not draw papers, refuse, cigarettes or other combustible solids into the return air duct.

(c) The minimum design velocity in the return duct from the particular occupancy is 1,000 ft/min. (508m/sec.).

Meets SMACNA 1966

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## SUGGESTED SPECIFICATIONS

Service openings shall be provided in ducts adjacent to each fire door, fire damper, smoke damper and smoke detector. Horizontal ducts and plenums shall be provided with service openings to facilitate cleaning the duct of accumulations of dust and combustible materials. Service openings shall be placed at approximately 20 foot intervals along the duct and at the base of each vertical riser. Service openings shall be sized \_\_\_\_\_ x \_\_\_\_\_ and shall incorporate access doors coded \_\_\_\_\_ as manufactured by Duro Dyne Corporation.



## CONSTRUCTION

**Door Frame:** 24 ga. galvanized steel. Conforms to ASTM A 653.

**Door Face:** 24 ga. galvanized steel. Conforms to ASTM A 653.

**Insulation:** Fiberglass blanket

**Seals:** Door to Frame/Frame to Door-Neoprene gasket. Conforms to ASTM-D 1056-68. Temperature range -20°F to 225°F .26 K Factor.

**Latches:** Single Camlock action on all hinged doors 12" square and under. Dual latches on larger hinged sizes. Latches constructed of zinc plated cold rolled steel. Steel conforms to ASTM A-366. Plating conforms to ASTM A-164-55.

**Manufactured to SMACNA standard or better; designed for installation in duct having up to 3" W.G.**

ITEM#	CODE	DOOR SIZE	CUT HOLE IN DUCT
6100	DAD4x4	4" x 4"	2-3/4" x 2-3/4"
6101	DAD6x6	6" x 6"	4-3/4" x 4-3/4"
6102	DAD8x8	8" x 8"	6-3/4" x 6-3/4"
6103	DAD10x10	10" x 10"	8-3/4" x 8-3/4"
6104	DAD12x12	12" x 12"	10-3/4" x 10-3/4"
6105	DAD14x14	14" x 14"	12-3/4" x 12-3/4"
6106	DAD16x16	16" x 16"	14-3/4" x 14-3/4"
6107	DAD18x18	18" x 18"	16-3/4" x 16-3/4"
6108	DAD20x20	20" x 20"	18-3/4" x 18-3/4"
6109	DAD24x24	24" x 24"	22-3/4" x 22-3/4"

### DUCT INSULATION-INSIDE



### WITHOUT DUCT INSULATION



\*Plexiglass Window Available Upon Request

\*Stainless Steel and Aluminium Available Upon Request

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