

SECTION 08 90 00
LOUVERS AND VENTS

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies fixed louvers, fire rated with fusible link design to UL requirements in fire-rated doors; rating appropriate to door rating.

1.2 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings:
 - 1. Each type, showing material, finish, size of members, operating devices, method of assembly, and installation and anchorage details.
- C. Manufacturer's Literature and Data:
 - 1. Each type of louver and vent.

1.3 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. The Master Painters Institute (MPI):
Approved Product List - November 2007
- C. American Society for Testing and Materials (ASTM):
 - A167-99(R2004)Stainless and Heat-Resisting Chromium - Nickel Steel Plate, Sheet, and Strip
 - A1008/A1008M REV A-07 ..Steel, Sheet, Carbon, Cold Rolled, Structural, and High Strength Low-Alloy with Improved Formability
 - B209/B209M-07Aluminum and Aluminum Alloy, Sheet and Plate
 - B221-06Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes
 - B221M-07Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire Shapes, and Tubes
- D. National Association of Architectural Metal Manufacturers (NAAMM):
AMP 500-505 (1988)Metal Finishes Manual
- E. National Fire Protection Association (NFPA):
90A-02Installation of Air Conditioning and Ventilating Systems
- F. American Architectural Manufacturers Association (AAMA):

605-98High Performance Organic Coatings on
Architectural Extrusions and Panels

G. Air Movement and Control Association, Inc. (AMCA):

500-L-99Testing Louvers

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Carbon Steel: ASTM A1008/A1008M.
- B. Fasteners: Fasteners for securing louvers to adjoining construction, except as otherwise specified or shown, shall of size and type as required for each specific type of installation and service condition.
 - 1. Where type, size, or spacing of fasteners is not shown or specified, submit shop drawings showing proposed fasteners, and method of installation.
- C. Inorganic Zinc Primer: MPI No. 19.

2.2 INTERIOR DOOR LOUVERS

- A. Fabricate louvers for interior doors 1.2 mm (0.0478-inch) thick steel.
- B. Make louvers sight-proof type with stationary blades.

2.3 FINISH

- A. In accordance with NAAMM Metal Finishes Manual: AMP 500-505
- B. Sheet Steel: Baked-on or oven dried shop prime coat.
 - 1. Paint interior surfaces of lightproof louvers with two additional finish shop coats of baked-on flat black enamel.
- C. Steel: Surfaces of steel work, for which no other finish is specified, shall be cleaned free from scale, rust, oil and grease, and then given a light colored prime paint after fabrication, except ferrous metals concealed in finished work. Paint all contact surfaces of assembled work (except welded contact surfaces) with an additional shop coat of similar paint.

2.4 PROTECTION

- A. Protect finished surfaces from damage during fabrication, erection, and after completion of the work.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Set work accurately, in alignment and where shown. Items shall be plumb, level, free of rack and twist, and set parallel or perpendicular as required to line and plane of surface.
- B. Provide anchoring devices and fasteners as shown and as necessary for securing louvers to building construction as specified.

3.2 CLEANING AND ADJUSTING

- A. After installation, all exposed prefinished shall be cleaned as recommended by the manufacturer and protected from damage until completion of the project.
- B. All movable parts, including hardware, shall be cleaned and adjusted to operate as designed without binding or deformation of the members, so as to be centered in the opening of frame, and where applicable, to have all contact surfaces fit tight and even without forcing or warping the components

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