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Common Jamb Construction for Rolling Steel Fire Doors: Non-Masonry Construction - Bolted Guides

Introduction:

Rolling steel fire doors are tested for compliance with UL 10B and NFPA 252. When tested, these doors are mounted on frames with jambs intended to replicate field construction. The test frame is held on the face of the test furnace for a specified period of time. The guides must remain fastened to the jambs and no “through gaps” may occur in the door assembly during the test. This DASMA Technical Data Sheet includes a representation of jamb construction and guide attachment details. Guide configurations and approved jamb construction will vary with individual fire door manufacturer's listings. Alternatives to steel tubes, including metal studs and/or wood studs, may be acceptable on some doors. Consult with individual manufacturers for specific guide details and their approved jamb constructions.

Objectives:

The objectives of preparing the set of standard details enclosed are:

1. To show how fire door guide assemblies are located on the jamb for face-of-the-wall mounting and between-the-jambs mounting.
2. To help architects, engineers and others involved with building specifications understand the relationship between the rolling steel fire door guides and the jamb/wall design.
3. To have the attached details included in applicable reference documents used by architects, engineers, specifiers and code officials

Attachment Contents:

Figure 1: Between-the-jambs mounted guide configuration; unexposed steel tube and unexposed steel stud at jamb

Figure 2: Face-of-the-wall mounted guide configuration; unexposed steel tube and unexposed steel stud at jamb

Note: Technical Data Sheets are information tools only and should not be used as substitutes for instructions from individual manufacturers. Always consult with individual manufacturers for specific recommendations for their products and check the applicable local regulations.

This Technical Data Sheet was prepared by the members of DASMA's Rolling Door Division Technical Committee. DASMA is a trade association comprising manufacturers of rolling doors, fire doors, grilles, counter shutters, sheet doors, and related products; upward-acting residential and commercial garage doors; operating devices for garage doors and gates, sensing devices, and electronic remote controls for garage doors and gate operators; as well as companies that manufacture or supply either raw materials or significant components used in the manufacture and installation of the Active Members' products.

DASMA Recommended

Common Jamb Construction:

Rolling Steel Fire Doors on Non-Masonry Walls

Bolted Guides

General Notes:

1. Existing and new wall construction covered
2. Details are for general information only
3. Consult a structural engineer for actual wall construction
4. Details are attached to TDS-262

TDS-262

June 2004

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DASMA Recommended Common Jamb Construction for Rolling Steel Fire Doors For Maximum 1 1/2 Hour Rating

Note: Thickness and number of layers of gypsum board determined by wall rating

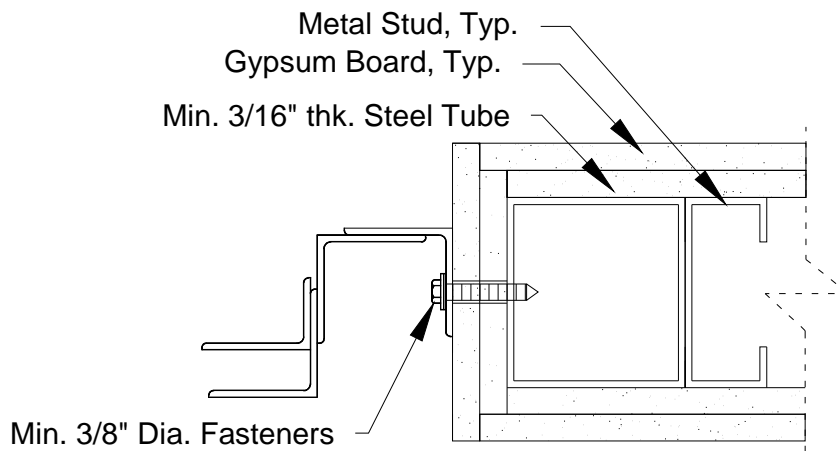


Figure 1

TDS-262

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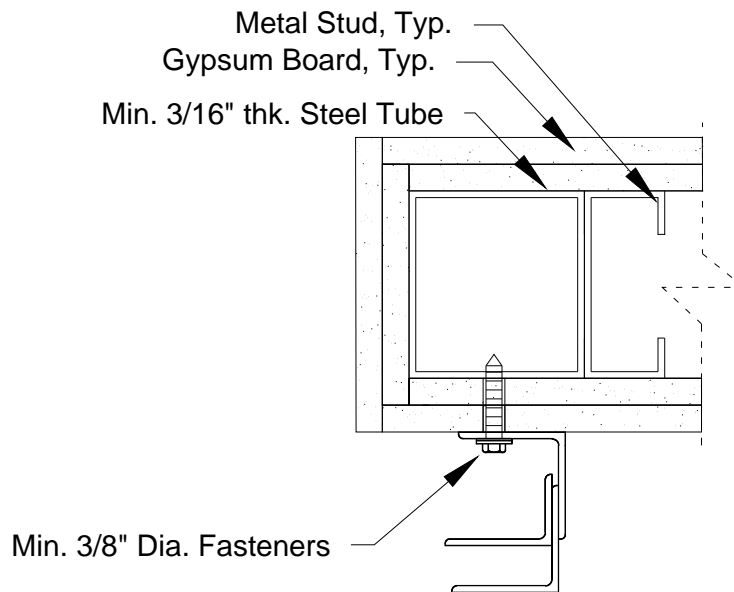


Figure 2

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