Section 05411
Short Form Specification
STUD FRAMING TOP TRACK

This short-form section includes paragraphs for a metal stud framing specification section that includes a special top-track permitting vertical deflection of structural members while maintaining lateral stud framing alignment. Include the following text statements within a structural metal stud framing assembly specification section. Light weight interior non-load bearing studs and associated framing are included in Section 09110. The Part, Article, and paragraph numbers are hard-numbers (not automatic numbering) to simplify importing the following text into a structural metal stud specification section.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Slotted metal top track to permit vertical deflection of structural framing.

1.2 RELATED SECTIONS

A. Section 05410 - Load Bearing Metal Stud Framing: Metal stud assembly for structural building framing.

1.3 SYSTEM DESCRIPTION

The deflection limits in the following paragraph relate directly to the nature, type, and exposure of the finish to be installed over the metal framing work. Smooth finish plasters usually require a deflection limit of 1/480, 1/600, or less. Certain masonry veneer cladding, when attached to components specified in this section, may require even more stringent deflection limits such as 1:600 or 1:720; also consider the type and frequency of masonry wall ties and load distribution to the metal stud framing.

A. Maximum Allowable Deflection: [1:180] [1:240] [1:360] [1:600] [1:720] [_____] of span.

1.4 SUBMITTALS FOR REVIEW

A. Section 01300: Shop drawings and product data submission procedures.

1.5 QUALITY ASSURANCE

Include the following sentence of the following paragraph only when the costs of acquiring the specified standards are justified.

A. Form, fabricate, install, and connect components in accordance with ML/SFA 540 - Lightweight Steel Framing Systems Manual.

PART 2 PRODUCTS

2.1 STUD FRAMING ACCESSORIES

A. Slotted Top Tracks:

1. Slotted Top Track: Sliptrack Systems, SLP-TRK®, Phone: 888-475-7875, Fax: 530-662-2865, e-mail: mail@bradyinnovations.com, web site: www.bradyinnovations.com.

2. 1.5 mm (16 ga.) thick, to ASTM A653/A653M, Grade 50 with a minimum yield point of 345 MPa (50,000 psi)
3. [1.2] [0.91] [0.53] mm ([18 ga] [20 ga] [25 ga]) thick, to ASTM A653/A653M, Grade 33 with a minimum yield point of 228 MPa (33,000 psi),
4. [63] [92] [102] [152] [203] mm ([2-1/2] [3-5/8] [4] [6] [8] inches) wide,
5. 3050 mm (10'-0") long,
6. 63 mm (2-1/2 inch) down-standing legs with 6 mm (1/4 inch) wide by 38 mm (1-1/2 inch) high slots spaced at 25 mm (1 inch) on center.

B. Fasteners: #8 waferhead, Self-drilling, self-tapping screws, bolts; steel, hot dip galvanized to ASTM A123 [380] [____] g/sq m ([1.25] [____] oz/sq ft).

C. Welding: In conformance with AWI requirements.

PART 3 EXECUTION

3.1 INSTALLATION

A. Align top [and bottom tracks]; locate to wall layout. Secure in place [with fasteners] [by welding] at maximum [600] [____] mm ([24] [____] inches) oc.

B. Install slotted tracks in strict accordance with manufacturer's instructions and referenced regulation requirements to give structural support [and to achieve the required fire rating].

C. Connect axial load-bearing studs to top and bottom tracks using #8 waferhead.

END OF SECTION