

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 08 11 00 – Metal Doors and Frames.
- .2 Section 09 29 00 – Gypsum Board.

1.2 REFERENCES

- .1 American Society for Testing and Materials (ASTM).
 - .1 ASTM A568/A568M-09a, Standard Specification for Steel, Sheet, Carbon, and High-Strength, Low Alloy, Hot Rolled and Cold Rolled, General Requirements for.
 - .2 ASTM A653/A653M-10, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by Hot-Dip Process.
 - .3 ASTM A792/A792M-10, Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
 - .4 ASTM A924/A924M-10a, Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
 - .5 ASTM C645-09a, Standard Specification for Nonstructural Steel Framing Members.
 - .6 ASTM C754-09a, Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
 - .7 ASTM C840-08, Standard Specification for Application and Finishing of Gypsum Board.
- .2 Canadian Standards Association (CSA).
 - .1 CAN/CSA S136-07, North American Specification for the Design of Cold-Formed Steel Structural Members.
- .3 Canadian Sheet Steel Building Institute (CSSBI).
 - .1 CSSBI S18-2007, Guide Specification for Non-loadbearing Steel Framing.
 - .2 CSSBI Technical Bulletin Volume 7, No. 1 - 2007, Maximum Height Tables for Interior Non-Loadbearing Partitions.

1.3 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver all material to site in manufacturer's original unopened packaging with labels clearly identifying product name and manufacturer.
- .2 Store materials in a dry, enclosed area protected from exposure to moisture, and in strict accordance with manufacturer's recommendations.
- .3 Handle all products with appropriate precautions and care as stated manufacturer's instructions.
- .4 Cleaning and Waste Management in accordance with Section 01 74 00.

Part 2 Products

2.1 MANUFACTURERS

- .1 Acceptable Products.
 - .1 Slotted Track.
 - .1 Dietrich Metal Framing Canada SLP-TRK®.

2.2 MATERIALS

- .1 Non-Structural Metal Stud Framing for Screw Attachment of Gypsum Board: to be roll formed from 0.91mm (standard duty 20 ga.) thick cold formed steel with minimum Z120 designated zinc coating in accordance with ASTM A653/A653M.
- .2 Stud Widths: as indicated and to include factory pre-punched cutouts for services and channel bridging.
- .3 Slotted Top Track: to be of same material as studs and sized to suit. Leg length of top track to be 63 mm long, and slotted to suit vertical deflection of structure.
- .4 Bottom Track: to be of same material as studs and sized to suit stud. Leg length of bottom track to be 30 mm.
- .5 Stud Bridging Channels: to be provided on all steel stud framing consisting of 13 mm x 38 mm roll formed from 1.2 mm (18 ga.) thick cold formed steel with hot dipped galvanized coating.
 - .1 Up to 3050 mm high partition - 1 row mid height.
 - .2 Over 3050 mm high partition - maximum 1525 mm o.c.
- .6 Fasteners: to secure metal framing together to be No. 8 x 16 mm Wafer Head Speed Tec Framing Screw.

Part 3 Execution

3.1 INSTALLATION

- .1 Ensure height and spacing of steel studs and furring members meet the requirements of CAN/CSA S136, ASTM C754, and CSSBI Technical Bulletin Volume 7, No. 1 to provide proper support for gypsum board and any other wall mounted items.
- .2 Provide cooperation to other trades to accommodate mechanical and electrical items and any other special supports or anchorage for work specified in other Sections required to be incorporated into or coordinated with framing system.
- .3 Install partitions to underside of roof/floor structure above unless otherwise indicated.

- .4 Align tracks at top and bottom of partitions and secure 610 mm on centre maximum and maximum 50 mm from each end using shield screws, power driven fasteners, or other suitable fasteners.
- .5 Place studs vertically as indicated 406 mm on centre maximum and maximum 50 mm from abutting walls and each side of corners and openings.
- .6 Install partitions to accommodate vertical deflection of structure to avoid transmission of structural loads onto framing by use of 63 mm leg slotted top tracks. Steel stud framing to be 13 mm short of underside of roof/floor structure and free to move.
- .7 Attach studs to track using Speed Tec sheet metal framing screws.
- .8 Install minimum 0.91 mm (20 ga.) studs where partition is finished with water/mould-resistant gypsum board.
- .9 Install steel stud framing between studs for attachment of electrical receptacles and other mechanical and/or electrical systems.
- .10 Provide additional metal framing and solid wood blocking to support wall mounted lab furniture and fixtures, and any other wall mounted items as indicated.
- .11 Finished work to be rigid, secure, square, level, plumb and erected to maintain dimensions and contours.

END OF SECTION