

**1 GENERAL**

**1.1 General Requirements**

- .1 All requirements of the Contract apply to and govern all work of this Section.
- .2 Comply with the requirements of Division 1.

**1.2 Related Work Specified in Other Sections**

- .1 Joint Sealers Section 07 92 00
- .2 Gypsum Board Assemblies Section 09 21 16
- .3 Security Metal Mesh Section 10 95 00

**1.3 Standards Referred to in this Section**

- .1 American Society for Testing and Materials International, (ASTM).
  - .1 ASTM C645-14, Specification for Nonstructural Steel Framing Members.
  - .2 ASTM C754-15, Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.

**1.4 Quality Assurance and Extended Guarantees**

- .1 None

**1.5 Specific Handling Requirements**

- .1 None

**1.6 Submittals**

- .1 Shop Drawings : None required.
- .2 Samples : None required.

**1.7 Closeout Submittals**

- .1 None

**1.8 Specific Environmental Requirements**

- .1 No specific requirements.

**1.9 Specific Protection Requirements**

- .1 No specific requirements.

## **2 PRODUCTS**

### **2.1 Materials**

- .1 Non-load bearing channel stud framing: to ASTM C645, 92 mm and 152 mm stud size, roll formed from 0.53 mm thickness hot dipped galvanized steel sheet, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.
- .2 Floor and ceiling tracks: to ASTM C645, in widths to suit stud sizes, 32 mm flange height. Use double tracks with 50 mm flange height at underside of structure or slab.
- .3 Metal channel stiffener: 1.4 mm thick cold rolled steel, coated with rust inhibitive coating.
- .4 Acoustical sealant: to 07 92 10.
- .5 Insulating strip: rubberized, moisture resistant 3 mm thick foam strip, 12 mm wide, with self sticking adhesive on one face, lengths as required.

## **3 EXECUTION**

### **3.1 Erection**

- .1 Install steel studs to requirements of ASTM C754.
- .2 Align partition tracks at floor and ceiling and secure at 600 mm on centre maximum. Use double track slip joints at underside of structure or slabs to accommodate deflection.
- .3 Place studs vertically at 400 mm on centre and not more than 50 mm from abutting walls, and at each side of openings and corners. Position studs in tracks at floor and ceiling. Cross brace steel studs as required to provide rigid installation to manufacturer's instructions.
- .4 Erect metal studding to tolerance of 1:1000.
- .5 Attach studs to bottom and ceiling track using screws.
- .6 Co-ordinate simultaneous erection of studs with installation of service lines. When erecting studs ensure web openings are aligned.
- .7 Co-ordinate erection of studs with installation of door/window frames and special supports or anchorage for work specified in other Sections.
- .8 Provide two studs extending from floor to ceiling at each side of openings wider than stud centres specified. Secure studs together using column clips or other approved means of fastening.

- .9 Erect track at head of door openings and sills of sidelight openings to accommodate intermediate studs. Secure track to studs at each end, in accordance with manufacturer's instructions. Install intermediate studs above and below openings in same manner and spacing as wall studs.
- .10 Frame openings and around built-in equipment, cabinets, access panels, on four sides. Extend framing into reveals. Check clearances with equipment suppliers.
- .11 Install steel studs or furring channel between studs for attaching electrical and other boxes.
- .12 Extend partitions to ceiling height except where noted otherwise on drawings.
- .13 Maintain clearance under beams and structural slabs to avoid transmission of structural loads to studs. Use double track slip joint.
- .14 Install continuous insulating strips to isolate studs from uninsulated surfaces.
- .15 Install two continuous beads of acoustical sealant under studs and tracks around perimeter of sound control partitions.

### **3.2 Cleaning**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION**