

NON-STRUCTURAL METAL FRAMING**PART 1 GENERAL****1.1 RELATED SECTIONS**

- .1 Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
- .2 Section 09 21 16 - Gypsum Board Assemblies.

1.2 REFERENCES

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

PART 2 PRODUCTS**2.1 MATERIALS**

- .1 Non-load bearing channel stud framing: to ASTM C645, roll formed hot dipped galvanized steel sheet, 0.55 mm thickness for stud lengths up to 3500 mm, 0.91 mm thickness for stud lengths greater than 3500 mm, unless indicated otherwise on the drawings, for screw attachment of gypsum board. Knock-out service holes at 460 mm centres.
 - .1 Stud sizes shall be as indicated on the drawings
 - .2 Bottom track: single piece.
 - .3 Top track: single piece track **or** double track **or** slotted single top track. (double track or slotted single top track to accommodate deflection).
- .2 Insulating strip: rubberized, moisture resistant 3 mm thick cork foam strip, 12 mm wide, with self sticking adhesive on one face, lengths as required.

PART 3 EXECUTION**3.1 ERECTION**

- .1 Align partition tracks at floor and ceiling and secure at 600 mm o.c maximum.
- .2 Allow minimum deflection gap of 16.5 mm for double track **or** slotted single top track.
- .3 Place studs vertically at 400 mm o.c 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.

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- .5 Attach studs to bottom and ceiling track using screws.
- .6 Co-ordinate 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, 50 mm apart using column clips or other approved means of fastening placed alongside frame anchor clips.
- .9 Erect track at head of door/window openings and sills of sidelight/window 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 Provide 40 mm stud or furring channel secured between studs for attachment of fixtures behind lavatory basins, toilet and bathroom accessories, and other fixtures including grab bars and towel rails, attached to steel stud partitions.
- .12 Install steel studs or furring channel between studs for attaching electrical and other boxes.
- .13 Extend partitions to ceiling height except where noted otherwise on drawings.
- .14 Maintain clearance under beams and structural slabs to avoid transmission of structural loads to studs.
- .15 Install continuous insulating strips to isolate studs from uninsulated surfaces, where applicable.
- .16 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