

SECTION 09 22 16 - NON-STRUCTURAL METAL FRAMING

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
 - 1. Space studs at 16 inches on center maximum.
 - 2. Where interior partitions do not extend to the underside of structure, extend partition 6" above the ceiling grid and brace to structure at 4 feet on center. .
- B. Performance Requirements:
 - 1. Partitions, General: Provide metal framing systems of base-metal thickness and spacing capable of limiting lateral deflections when subjected to a 5 psf uniform lateral load to the following:
 - a. L/240 where supporting gypsum board only.
 - b. L/360 where supporting plaster or ceramic tile finishes.
 - c. L/720 where providing backup to stone or masonry.
 - 2. Partitions Enclosing Pressurized Mechanical Rooms: Provide metal framing systems of base-metal thickness and spacing capable of limiting lateral deflections to L/240 when subjected to a 15 psf uniform lateral load or the design value induced by the mechanical system, whichever is greater.
 - 3. Suspended Ceiling Design Requirements: Provide metal framing systems of base-metal thickness and spacing capable of limiting ceiling deflections to L/360 when subjected to a minimum 4 psf uniform load or the actual weight of ceiling hung materials, whichever is greater.
 - 4. Engineering design of non-structural metal framing by Contractor.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Steel Framing for Framed Assemblies:
 - 1. Steel studs and runners: 0.033-inch-thick (20 gauge) minimum.
 - 2. Dimpled steel studs and runners: 0.025-inch-thick minimum, with structural properties equivalent to 0.0329-inch-thick steel studs.

PART 3 - EXECUTION (Not Applicable)

3.1 INSTALLATION

- A. Secure with fasteners or proper crimping tools; do not weld.

END OF SECTION 09 22 16