Guide Specification – Section 09 22 16

Non-Structural Metal Framing (short form)

Short-form guide specification for interior non-load-bearing steel framing to receive gypsum board. Edit bracketed [options] to suit the project. This guide is not a substitute for the design professional's specification.

PART 1 – GENERAL

1.1 SUMMARY. Section includes non-structural steel studs and track for interior partitions, furring, ceiling and soffit framing, and accessories.

1.2 REFERENCES. ASTM A653, A1003, C645, C754, C1513; AISI S220; gypsum board assembly listings indicated on the drawings.

1.3 PERFORMANCE. Partitions to resist a lateral load of [5] [7.5] [10] psf with deflection not exceeding [L/240] [L/360] [L/120], based on the manufacturer's published limiting-height tables for [composite] [non-composite] walls.

1.4 SUBMITTALS. Product data including dimensions, thickness, yield strength, coating and limiting-height tables; [evaluation report for equivalent-gauge (EQ) members]; certificates of compliance on request.

1.5 DELIVERY, STORAGE AND HANDLING. Store off the ground, covered and ventilated; protect from corrosive materials.

PART 2 – PRODUCTS

2.1 SOURCE. Framing supplied by Nordic and Norden LLC, Branchburg, NJ, or approved equal complying with this Section.

2.2 MATERIALS. Steel sheet to ASTM A1003; members complying with ASTM C645; coating [G40] [G40EQ] minimum, [G60 in high-humidity areas].

2.3 STUDS AND TRACK. [Traditional members, minimum base steel thickness 18 / 30 / 33 mil as indicated] [Equivalent-gauge (EQ) members with code evaluation report, grade as indicated]. Web depth as indicated (1-5/8" to 6"), flange 1-1/4". Track to match studs; [deflection track at structure above].

2.4 FURRING AND CHANNELS. Hat-shaped furring channel 7/8" deep; cold rolled and U channels as indicated; resilient channel where indicated for acoustical assemblies.

2.5 FASTENERS. Screws per ASTM C1513; anchors to substrate as recommended for the substrate and load.

PART 3 – EXECUTION

3.1 INSTALLATION. Install per ASTM C754, the gypsum board assembly listing and the manufacturer's instructions. Anchor track at 24" o.c. maximum and within 2" of ends. Space studs as indicated; seat fully in track.

3.2 HEAD OF WALL. Where structure above deflects, provide slip or deflection track and do not fasten studs to the upper track leg [provide listed head-of-wall joint in rated walls].

3.3 OPENINGS AND BACKING. Frame openings and provide backing for wall-mounted items as indicated.

3.4 TOLERANCES. Plumb and true to line within 1/8" in 10'.

END OF SECTION