

05 0000 – Metals & Metal Fabrications

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Last Update: July 1, 2009

A. Shop Drawings:

1. We require full shop drawings on construction steel.

B. Openings:

1. We require openings for connections of and passage for other work to be provided by the Framing Contractor. We do not allow openings to be field cut.

C. Welding To Existing Steel:

1. No welded connections can be made to existing structural steel without specific approval from the Project Manager.

D. Structural Steel:

1. The construction documents shall state or show that the same fire-resistive requirements that apply to the gravity load resisting structural frame shall also apply to the lateral force resisting system of the structure.
2. If net deflections are expected in floor systems under the weight of wet concrete + construction load, the construction documents shall instruct the Contractor to be aware of expected net deflections and to place concrete in a manner that provides a finish floor meeting the requirements set forth in the drawings and specifications. The floor system shall be designed for the expected additional amount of concrete.

E. Minimum Gauges:

- 14 Gauge: Lintels, beams, column studs, etc. unless specifically noted otherwise
- 16 Gauge "C" Section: Bearing walls, track runners, and framing around all openings
- 18 Gauge "C" Section: Non bearing partitions
- Less than 18 Gauge: Framing lighter than 18 gauge shall only be used on a project to project basis with the approval of the Project Manager

F. Lightweight Steel Fastening Studs to Runners:

1. All interior walls will have a top deflection track. Studs will be tack welded or mechanically fastened to tracks and runners.

G. Lightweight Steel Wood Blocking:

1. Be sure to provide vertical and horizontal wood blocking (or use structural grade framing) in walls where shelving is likely to be installed.

H. Metal Fabrications:

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1. Specify stainless steel wainscot at mop basins.
2. Specify extruded aluminum cast in place stair nosing with abrasive fill.
3. Specify door surface protection in areas where equipment will be rolled in and out.