

SECTION 05200

METAL JOISTS

PART 1 GENERAL

1 01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1 02 SUMMARY: The Contractor shall provide Metal Joists as shown on the drawings, as specified in this Section, and as needed for a complete installation

1.03 SUBMITTALS: The Contractor shall submit sufficient technical data to demonstrate compliance with the specified requirements, and complete shop drawings showing all members, spans, connections and similar data, per Section 01340- Submittals.

1.04 QUALITY ASSURANCE:

- A Provide welding with electric arc process and in accordance with AWS "Code for Arc and Gas Welding in Building Construction"
- B In addition to complying with pertinent codes and regulations, all work shall comply with AISC "Specifications for Design, Fabrication and Erection of Structural Steel for Building", "Code of Standard Practice", AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts", and "Standard Load Tables" and pertinent specifications of the Steel Joist Institute
- C Welding shall comply with the provisions of Section 05120- Structural Steel.

1 05 DELIVERY AND STORAGE:

- A Deliver materials to the jobsite properly marked to identify the intended location.
- B Use markings corresponding to markings shown on the approved shop drawings.
- C Store in a manner to maintain identification and prevent damage, off the ground, using pallets or other supports, and to permit easy access for inspection.

PART 2 PRODUCTS

2 01 MATERIALS: Provide steel joists and accessories system in the dimensions and arrangements shown on the drawings.

2 02 FABRICATION:

- A Fabricate the steel joist system in strict accordance with the approved shop drawings and the requirements of governmental agencies having jurisdiction, and in accordance with the following, where applicable:
 - 1. Verify dimensions prior to fabrication.
 - 2. Provide top and bottom joist chord extensions where indicated on the drawings or otherwise required
 - 3. Camber joists to accommodate the dead load deflection.
- B Primer: Except where galvanizing may be called for on the drawings or the approved shop drawings, shop-prime the steel joist system using one coat of a light gray primer on all exposed members meeting Fed. Spec TT-P-636.

2.03 OTHER MATERIALS: Provide other materials, not specifically described but required for a complete and proper installation.

PART 3 EXECUTION

3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATION:

- A. Coordinate as required with other trades to assure proper and adequate provision in the work of those trades for interface with the work of this section.
- B. Install the work of this section in strict accordance with the original design, the approved shop drawings, pertinent requirements of governmental agencies having jurisdiction, and the manufacturer's recommended and approved installation procedures.

END OF SECTION