PART 0 DESIGN STANDARDS

0.01 GENERAL DESIGN GUIDELINES

A. Inspection by Owner's Testing Agency does not relieve A/E of contract responsibilities.

B. Fastening of deck to structure shall be through welding washers or self-tapping screws. Puddle welds are prohibited on all types of metal deck. Side lap and end lap fastening shall be made using self-tapping screws only.

C. Determine if shoring is required for elevated slab pours. If needed, specify requirements.

D. Specify all required accessories including closure plates and pour stops.

E. Specify all restrictions on decking including:

1. Maximum openings permitted without sub-framing
2. Maximum span

F. Coordinate finishes with subsequent treatments and/or exposures including:

1. Coordinate decking finish to receive fireproofing.
2. Coordinate decking finishes for special exposures.

0.02 PROHIBITIONS

A. Steel decking shall not be used for the attachment of anchorages or supports for suspended equipment, sub-framing systems, substructure, ceilings, fascias, soffits, or other mounting, bracing, or fastening.

1. Exception: Attachment, anchorages, or supports specifically designed or approved by the Structural Engineer

PART 1 GENERAL

1.01 SPECIAL PERMITTING REQUIREMENTS

A. Hotwork requirements are identified in the General Conditions of the Contract for Construction.

1.02 QUALITY ASSURANCE

A. Meet the latest recommendations and requirements of the Steel Deck Institute (SDI).

PART 2 PRODUCTS

2.01 MATERIALS

A. Steel deck

1. Factory galvanized or coated with aluminum zinc alloy.
   a) Painted primer coat is prohibited.
2. Specify Class G-90 galvanized deck where deck is subject to high humidity (swimming pools, shower rooms, plenums subject to high humidity, etc.).
3. Acoustic deck manufacturers shall be approved by the DPS Project Manager (Epic Metals Corp. or equivalent).

PART 3 EXECUTION

3.01 TESTING AND INSPECTIONS

A. Notification: Contractor shall work with the Owner to schedule Owner's inspections and testing.

B. Owner will provide testing and inspection services through Owner's testing agent for Owner's information.

C. Contractor shall provide additional testing to assure compliance with the contract documents, at Contractor's expense.

D. Test and inspection reports shall be distributed to the Contractor, Owner and A/E as soon as results are available.

END OF SECTION 05300