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. Roof loads shall be as described in standard Section 00400.

C. Verify that structural steel finishes (primer, etc.) are compatible with subsequent finishes (paint) and/or subsequent treatments (i.e. spray or trowel applied fireproofing)

D. Detail sloping members and splice conditions.

E. Specify welding procedures.

F. Specify storage requirements to include protection of members prior to erection.

G. Indicate bearing plate setting tolerances.

H. Include erection tolerances. Erection tolerances shall be established for structural integrity and aesthetic appearance

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. Comply with current recommendations of the American Institute of Steel Construction (AISC).

1.03 APPLICATOR QUALIFICATION/CERTIFICATION

A. Welders to be employed in the work shall have certification of having satisfactorily passed appropriate American Welding Society (AWS) qualification tests within the previous 12 months.

PART 2 PRODUCTS

2.01 MATERIALS

A. Materials shall be provided with a shop-applied single coat of zinc chromate or red oxide paint, except:

1. Steel to be encased in concrete
2. Surfaces to be field welded
3. Surfaces to receive fireproofing
4. Steel lintels and shelf angles for masonry: Hot dipped galvanized

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. Field correction of fabricated items by gas cutting shall not be permitted unless authorized by the Architect.

3.02 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. All test and inspection reports shall be distributed to the Contractor, Owner and Architect as soon as results are available.

END OF SECTION 05120