

## SECTION 05 12 00

### STRUCTURAL STEEL FRAMING

#### 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).
- B. Structural Steel Fabricator should be AISC certified.

##### 1.03 APPLICATOR QUALIFICATION/CERTIFICATION

- A. Welders to be employed in the work shall have AWS qualification verified within the previous 12 months.

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Materials shall be prepared in accordance with SSPC SP 3 **and provided with a shop-applied single coat of primer** except:
  - 1. Steel to be encased in concrete
  - 2. Surfaces to be field welded
  - 3. Surfaces to receive fireproofing
- B. Steel exposed to weather (steel lintels and shelf angles for masonry) shall be hot dipped galvanized (ASTM A123).

##### 2.02 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL

- A. Where AESS is used, provide specific finish recommendations. Consider using Rocky Mountain Steel Fabricators Association methods.

#### 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 special inspections as required by the IBC and ACI 360 Chapter N.
- C. Owner will provide testing and inspection services through Owner's testing agent for Owner's information.
- D. Contractor shall provide additional testing to assure compliance with the contract documents, at Contractor's expense.
- E. All test and inspection reports shall be distributed to the Contractor, Owner and Architect as soon as results are available.

END OF SECTION 05 12 00