

SECTION 05120 – STRUCTURAL STEEL

GENERAL:

- A. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND PERFORM ALL WORK AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE FURNISHING AND ERECTION, COMPLETE, OF ALL STRUCTURAL STEEL, COMPLETE WITH ACCESSORIES, AS SHOWN ON DRAWINGS AND AS SPECIFIED, IN ACCORDANCE WITH PROVISIONS OF THE CONTRACT DOCUMENTS, AND COMPLETELY COORDINATED WITH WORK OF ALL OTHER TRADES.
- B. ALTHOUGH SUCH WORK IS NOT SPECIFICALLY INDICATED, FURNISH AND INSTALL ALL SUPPLEMENTARY OR MISCELLANEOUS ITEMS, APPURTENANCES AND DEVICES INCIDENTAL TO OR NECESSARY FOR A SOUND, SECURE AND COMPLETE INSTALLATION.
- C. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING STEEL.

2. QUALITY STANDARDS:

COMPLY WITH AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS" INCLUDING "COMMENTARY"; AWS "STRUCTURAL WELDING CODE"; USE ONLY WELDERS WITH CURRENT CERTIFICATES. COMPLY WITH APPLICABLE PROVISIONS EXCEPT AS OTHERWISE INDICATED.

3. SUBMITTALS:

- A. SUBMIT SHOP AND ERECTION DRAWINGS FOR APPROVAL. SHOW ALL SHOP AND ERECTION DETAILS INCLUDING CUTS, COPEs, CONNECTIONS, HOLES, AND WELDS.

4. MATERIALS:

- A. STEEL: ASTM A992
- B. BOLTS: ASTM A325
- C. ANCHOR BOLTS: ASTM A307

5. ERECTION:

ERECT STRUCTURAL STEEL IN COMPLIANCE WITH A.I.S.C. SPECIFICATIONS. USE ERECTION EQUIPMENT SUITABLE AND SAFE FOR WORKMEN.

6. SHOP PAINTING AND GALVANIZING:

PAINT STRUCTURAL STEEL WORK EXCEPT MEMBERS OR PORTIONS OF MEMBERS EMBEDDED IN CONCRETE OR MORTAR OR COVERED WITH FIREPROOFING. DO NOT PAINT CONTACT AREAS TO BE WELDED OR BOLTED. CLEAN STEEL FREE OF LOOSE MILL SCALE, RUST, OIL AND GREASE. APPLY PRIME PAINT TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 2.0 MILS.

ALL EXTERIOR STEEL ITEMS WITH THE EXCEPTION OF WALKWAY FRAMING ARE TO BE HOT DIP GALVANIZED.

7. CLEANUP:

TOUCH UP PRIME PAINT AFTER ERECTION. CLEAN FIELD WELDS, BOLTED CONNECTIONS AND ABRADED AREAS, AND APPLY SAME TYPE PAINT AS USED IN SHOP.

END OF SECTION