

Guidelines for Architects and Engineers
Fairfax County, BDCD

050000 - METALS

I. DESIGN

- A. All design and related calculations for structural elements and connections falling under this section shall be performed under the supervision of a Professional Engineer (PE), licensed in the Commonwealth of Virginia; and, all structural drawings and calculations shall be sealed, signed and dated by the PE.
- B. Structural steel specifications and drawings shall include requirements of the Fairfax County Special Inspections Program (FC-SIP) and American Institute of Steel Construction (AISC).
- C. Project specifications shall specifically require the Contractor to comply with all requirements of the FC-SIP and AISC where applicable. Any requirements of the FC-SIP and AISC which are not specifically identified as a requirement of the Contractor shall be considered to be a requirement of the Architect and the Structural Engineering Consultant. Any offsite structural steel should be completed in certified shop verified by FC-SIP 3rd party firm hired by the A/E.
- D. All welders must be certified by American Welding Society (AWS). Contractor must submit copies of certifications for all welders before the welders will be permitted to work on the project.
- E. Contractor must touch up paint and/or primer after erection of steel or other metals. Specifications must be clear that primer is not considered a finish coat where finished metal is required.
- F. Roof access ladders that lead out from the building need to be fixed aluminum "Ships Ladder" with the following specifications: Angled 60-75 degree slope, 2' wide, 2"x 6" x 1/8" aluminum extruded channel stringers, 4" x 1/4" aluminum serrated tread on rungs, 1.666" aluminum Schedule 40 pipe on handrails. Need to be OSHA and ANSI 14.3 certified. O'Keeffes, Inc. **or Approved Equal (must be approved by FMD).**