

STRUCTURAL & MISCELLANEOUS STEEL & SHEET METAL WORK

SCOPE

Provide all structural steel and miscellaneous metal work as indicated on plans and/or as specified hereinafter. All connections shall be designed to develop full stresses in structural members, except where indicated otherwise.

QUALITY OF MATERIAL

All steel shall conform to the Standard Specifications for Structural Steel for Buildings of the American Society for Testing and Materials, Serial Designation A-36, latest revision.

PAINTING

Interior steel work not enclosed in concrete shall be painted at shop or before shipment to the building.

Paint for the first or shop coat shall be composed of Themec No. 77 Chem-Prime, Inertol No. 621, or approved equal.

This painting is in addition to the painting specified under the regular painting specifications that appear hereinafter.

C. I. MANHOLE COVERS AND FRAMES

Furnish cast iron manhole covers and frames for manholes, of type and size as called for on the plans. Manhole covers shall be in accordance with those currently in use by the City of Roanoke Water Department.

HOLLOW METAL DOOR AND FRAME

Door and frame where indicated shall be of hollow metal aluminum of type and size as indicated on plans.

Frame and door stile shall be fabricated of extruded members of 6063-T6 alloy no less than .125" thick and shall be accurately cut and milled to provide flush hairline joints. Frame corners shall be heavily reinforced and secured by welding, or concealed stainless steel screws. Door shall be welded or mechanically bolted with heavy tie rod construction. Glazing and screen stops for door shall be a snap-in type aluminum extrusion with special cushioned vinyl inserted into bead.

Door shall be provided with vinyl backed wool piling, three sides, and vinyl sweep strip on bottom.

Finish of frame, door parts, bead, etc. shall be polished, free from all defects and anodized in accordance with ALCOA