

SECTION 055440
ALUMINUM GRATING (S-110)

1. DESCRIPTION

This specification shall govern all work necessary to provide and install all aluminum grating required for this project.

2. GENERAL REQUIREMENTS

After installation, the grating shall be capable of withstanding a uniformly distributed load of 200 PSF or a concentrated load of 600 pounds with a maximum deflection of 3 inch. Grating shall meet federal specification RR-G-661-C and standards set by OSHA of 1975.

Prior to installation, the Contractor shall submit four sets of detailed shop drawings for the Engineer's review and approval.

3. MATERIAL

Corrosion Resistance. All materials incorporated into the grating system shall be of an aluminum alloy which is corrosion resistant and recommended for use in an environment to include chlorine treated wastewater.

Walking surface. Walking surface shall have a non-skid surface.

Fasteners, Anchor Bolts and Supports. All fasteners, additional structural supports shall be provided by the manufacturer or in accordance with his recommendations.

4. CONSTRUCTION METHODS

All fabrication shall be done in a workmanlike manner, to provide a structurally sound product. All connections, supports, clips, etc. shall be properly aligned and installed.

5. MEASUREMENT AND PAYMENT

Unless indicated otherwise in Proposal, aluminum grating shall be measured by the square foot of aluminum grating installed. Measurement shall include but not be limited to furnishing and installing all grating, supports, clips and connections.