



## **DESIGN STANDARDS FOR: FIBERGLASS REINFORCED PLASTIC (FRP) PEDESTRIAN GRATING**

The use of FRP Grating for trail walking surfaces shall meet the following minimum requirements.

1. Grating shall:
  - a. Meet all requirements of the American with Disabilities Act
  - b. Be fastened to and supported by structural elements on all four sides. Other, intermediate supports shall be as required by the manufacturer's instructions.
  - c. Include ultraviolet (UV) light protection with integral UV inhibitors in the resin
  - d. Include attachment clips manufactured of Type 316 stainless steel
  - e. Include integral factory molded non-slip surfaces
  - f. Be mounted flush with adjacent walking surfaces with an allowable tolerance of 1/8"
2. All projects shall include project specifications detailing the product requirements and installation/manufacturing tolerances, construction shop drawing requirements, detailed drawings showing fastener type and location, and handling instructions.
3. Grating openings in the walking surface shall comply with the U.S. Access Board Design Guidelines <http://www.access-board.gov/ada/>
4. Treat all field cut edges in accordance with manufacturer's instructions.
5. Provide color sample for review by Parks.
6. All projects shall include design specifications for FRP filler boards with details and attachment specifications in locations where the walking surface is cut on an angle.

END OF SECTION