

**SECTION G**  
**STRUCTURAL CALCULATIONS**  
**FOR STANDARD RAILING SYSTEMS**

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This Section presents packaged Structural Calculations for standard horizontal railing frames, as found in the Ultra-tec Cable Railing Systems "Product Design and Fabrication Guide for Metal Framed Railings."

Some railing system designs herein require high-strength carbon steel or stainless steel components ( $F_y \geq 50$  ksi). The Specifier is cautioned to confirm availability before selecting a particular railing system.

**NOTICE**

*Analysis and Structural Certification of these railing systems is provided ONLY for the indicated railing frame system components, and DOES NOT include base plates or anchorage to the supporting structure.*

*Where specific design of the railing frame system, base plates, or anchorage to the supporting structure are required by the Local Building Official, these shall be reviewed, designed, and sealed by the project Structural Engineer of Record.*

*Ferrari Shields & Associates is not responsible for, and does not provide, the structural design of any individual or specific railing system, project, location, or particular use or configuration.*