

DESIGN CRITERIA

A. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- IBC / LOCAL STATE CODES
- NFPA-101 and NFPA-102 Current Edition
- AISC Manual of Steel Construction, Load & Resistance factor Design
- ACI Building Code for Reinforced Concrete
- Aluminum Association of America
- Federal Handicap Legislation
- ASTM E985, standard specification for permanent metal railing systems and rails for buildings
- ADA, Americans with Disabilities Act accessibility guidelines
- AWS D1.2, American Welding Society

B. DESIGN LOADS:

Dead Load	6 psf	Seat and footboards, risers, steel framing, etc.
Live Load	100 psf	To structural members. All stringers and girders shall be limited to L/200 for maximum vertical live load deflection.
	120 plf	Seatboards
	120 plf	Footboards
Design Wind Speed (local conditions)	mph	On projected vertical surface
Sway	24 plf	Per lineal foot of seat, parallel to seat run
Sway	10 plf	Per lineal foot of seat, perpendicular to seat

C. DEFLECTION:

Structural elements shall be sized to limit the live load deflections to 1/200 of the span. Calculation shall be submitted with shop details confirming 1/200 deflection criteria.

D. FOUNDATIONS:

Foundations have been sized by an engineer and are based on soil bearing capacity of _____ psf. Soil bearing capacity is to be verified by the Owner prior to placement of footings. Foundation sizes on drawings will not be reduced under any circumstance. Downsizing or redesigned foundations are not allowed.