



## PICKET RAILING SYSTEM PRODUCT DATA SHEET

### GENERAL

Hollaender® Picket Railing is designed for use with either the Interna-Rail® or Speed-Rail® railing frames, and is used in all railing applications that must comply with IBC or Canadian codes for structural strength and dimensions.

### OVERALL DIMENSIONS:

Height of top rail above walking surface: 42".

Post spacing: Determined by site conditions.

Mounting: Determined by site conditions.



### MATERIALS:

**Posts:** Aluminum 6005-T5, 1 ½" IPS (48.2 mm O.D.) Schedule 80 Wall (clear anodized).

**Rails:** Aluminum 6063-T6, 1 ½" IPS (48.2 mm O.D.) Schedule 40 Wall (clear anodized).

**Fittings:** Aluminum 6063-T6 (clear anodized).

**Base Flanges:** Cast aluminum.

**Fasteners:** Stainless steel 304 alloy.

## CODE COMPLIANCE:

U.S. International Building Code 2009/2012/2015 standards specific to guardrails, handrails and infill panel materials including glass.

## PERFORMANCE REQUIREMENTS:

All railings shall be supplied to conform to applicable sections of the following codes:

- International Building Code
- Canadian Building Code
- ADAAG

## STRUCTURAL PERFORMANCE:

Provide railings capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:

- Top Rails of Guards:
  - > Uniform load of 50 lb./ft. applied in any direction.
    - >> Canadian Building Code – .75 KN/M, or 51 lb./ft.
  - > Concentrated load of 200 lbf. applied in any direction.
    - >> Canadian Building Code – 1.0 KN (225 lb.)
  - > Uniform and concentrated loads need not be assumed to act concurrently.
- Infill Area of Guards:
  - > Horizontal concentrated load of 50 lbf. applied to 1 sq. ft. at any point in system, including panels, intermediate rails, balusters, or other elements composing infill area. Load on infill area need not be assumed to act concurrently with loads on top rails.
    - >> Canadian Building Code – .5 KN (113 lb.) applied over an area of 100 mm x 100 mm (4 in. x 4 in.)
- Handrails:
  - > Uniform load of 50 lbf./ft. applied in any direction.
  - > Concentrated load of 200 lbf. applied in any direction.
  - > Uniform and concentrated loads need not be assumed to act concurrently.

## PROJECT INSTALLATIONS:

- Olive Loss Elementary School (Bear, Delaware)
- State of Missouri DOT Building (Jefferson, MO)
- Barleycorn's Restaurant (Northern Kentucky)
- U of Tennessee School for the Deaf (Knoxville, TN)
- All South Credit Union (Greenville, SC)

## MAJOR RAILING PROJECTS DELIVERED BY HOLLAENDER MFG.:

- US Army Corps of Engineers – 3,500 ft. of railing, Philadelphia Naval Yard – conversion to waterfront park – 2012
- Mandalay Bay Hotel Light and Sound Nightclub – 2,000 ft. of railing – 2013
- Middletown School, Philadelphia PA – 800 ft. of railing – 2012

