



PICKET RAILING

PRODUCT DATA SHEET

GENERAL

Hollaender's® picket railing system is available in either stainless steel (304 or 316) or anodized aluminum. Both versions are available as non-welded mechanical systems only. No. 4 polish is standard for stainless steel with other polishes available.

OVERALL DIMENSIONS:

Height of top rail above walking surface: 42".

Post spacing: Determined by site conditions.

Mounting: Determined by site conditions.



MATERIALS:

Stainless Steel

Posts: 304 or 316 SS, 1 ½" IPS (48.2 mm O.D.) .120" Wall

Rails: 304 or 316 SS, 1 ½" IPS (48.2 mm O.D.) .080" Wall

Fittings: Mechanical (non-welded) Tees, 655-8 Stainless Steel

Base Flanges: Stainless Steel

Fasteners: Stainless Steel 304 Alloy

Aluminum

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 2009/2012/2015/2018 New York City 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 (IBC)
- Canadian Building Code
- ADAAG

**STRUCTURAL PERFORMANCE:**

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

Top Rails of Guards:

- * IBC: Uniform load of 50 lb/ft. applied in any direction.
 - Canadian Building Code: .75 KN/M, or 51 lb./ft.
- * IBC: Concentrated load of 200 lb/lf. applied in any direction.
 - Canadian Building Code: 1.0 KN (225 lb.)
- * IBC: Uniform and concentrated loads need not be assumed to act concurrently.

Infill Area of Guards:

- * IBC: 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 x 4 in.)

Handrails:

- * IBC: Uniform load of 50 lb/ft. applied in any direction.
- * IBC: Concentrated load of 200 lb/lf. applied in any direction.
- * IBC: Uniform and concentrated loads need not be assumed to act concurrently.

