

# Newman<sup>®</sup>

by Hollaender<sup>®</sup>



## PANELGRIP<sup>®</sup> 2 DRY GLAZE SYSTEM FOR STRUCTURAL GLASS RAILINGS

### GENERAL

Newman by Hollaender<sup>®</sup> PANELGRIP<sup>®</sup>2 is a dry glaze system designed for glass infill and balustrade, and is used in all railing applications that must comply with IBC codes for structural strength and dimensions.

### OVERALL DIMENSIONS:

Height of top rail above walking surface: 42".

Mounting: Determined by site conditions. Can be top mounted or side mounted to steel, concrete or other substrate that meets loading requirements.



### MATERIALS:

**Base Shoe:** 6063-T6 Aluminum, 2 1/2" wide x 4 1/8" high to hold monolithic or laminated tempered glass, 1/2" - 13/16" overall width.

**Cladding:** Various available — No. 4 304 SS brushed finish, Aluminum .060 in thick, anodized or powder coated.

**Top Cap/Rail:** Various available — Round 1.5" OD 304 SS No. 4 brushed finish, Aluminum, Wood.

**U channel:** 304 SS brushed finish and anodized or powder coated aluminum.

**Assist Rail:** Various available — 1.5" SS and 1.9" Aluminum.

**Glass:** In order to meet IBC codes, 1/2" to 3/4" (13/16" overall thickness) in tempered monolithic or laminated, clear/tinted/frosted.

**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
- ADAAG

**STRUCTURAL PERFORMANCE:**

Top Rails of Guards:

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



Infill Area of Guards:

- \* Horizontal concentrated load of 200 lb/lf. applied to 1 sq. ft. at any point on glass infill or other elements composing infill area. Load on infill area need not be assumed to act concurrently with loads on top rails.
- \* Handrails:
  - Uniform load of 50 lb/ft. applied in any direction.
  - Concentrated load of 200 lb/lf. applied in any direction.
  - Uniform and concentrated loads need not be assumed to act concur-

Tempered Glass:

- \* ASTM C1048, Fully Tempered, Condition A, Type 1 (Transparent Flat Glass), Quality Q3. Products shall comply with properties indicated for class, thickness, and manufacturing process that have been tested for surface and edge compression according to ASTM C1048 and for impact strength according to 16 CFR 1201 for Category 2 materials.

**PRODUCT TEST REPORTS:**

Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency according to ASTM E935. In lieu of test reports, generic calculations shall be provided.

