

The Hollaender Mfg. Co.

Originators and Manufacturers of:

- Speed-Rail ®
- Nu-Rail ®
- Rackmaster ®
- Mend-a-Rail ®
- Interna-Rail ®
- Speed-Rail II ®
- Bumble Bee Safety Rail ®

**Structural Fittings****Metal Railing Specifications**

Summary: The purpose of this presentation is to educate all aspects of railing from design to installation. Railing is a permanent fixture included in design to provide guidance and stability while preventing falls and injuries. By following codes and regulations for railing design, materials and installation provided in this presentation, individuals will be provided with a safer environment to move through.

Learning Objectives:

- Steel vs. Aluminum Railing Systems
- Mechanical vs. Welded vs. Chemical
- IBC Codes & Specifications for handrail & guardrail
- Understand differences between steel and aluminum railing systems
- Understand guardrail and handrail codes
- Understand basic requirements and criteria when specifying metal guardrails and handrails
- Understand specifying criteria for metal infill panels for guardrails
- Mounting Conditions and Engineering Calculations – core, top mount & side mount in Wood, Steel & Concrete
- Infill panels and retention system materials
- Incorrect materials & mounting conditions – strength of materials, ladder effect, reinforcement considerations
- Cost Comparisons of Various Systems
- Past Project Review