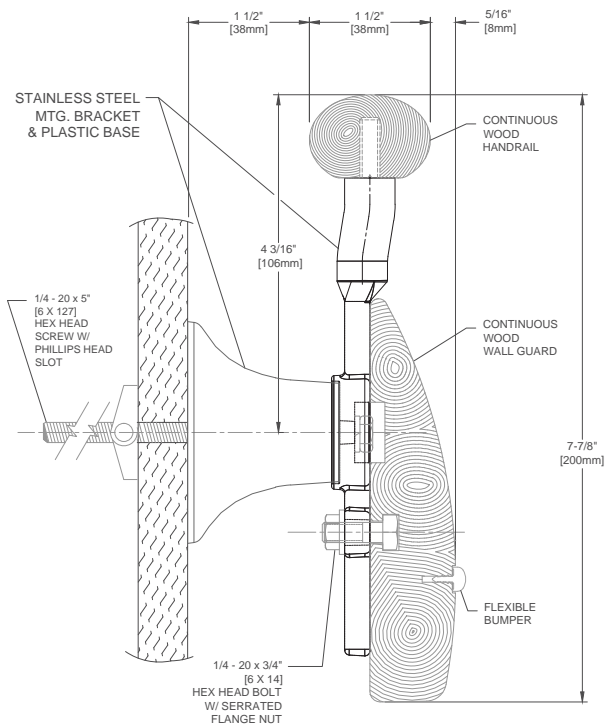


# 3540WWB Silhouette Handrail

## Suggested Specifications



- 7-7/8" (200mm) height, 1-1/2" (38mm) x 1-1/16" (27mm) oval gripping diameter, extends 3-1/4" (82mm) from the wall
- 3540WWB - Wood handrail and wood wall guard available in red oak, FSC® Certified Ash or maple that includes a vinyl bumper.
- Meets ADA and ANSI criteria
- Manufactured in 8' - 16' (2.44m - 4.88m) standard lengths
- All mounting fasteners are included with each order

IPC.2264/REV.1

# 3540WWB Silhouette Handrail

## Suggested Specifications

### PART 1 GENERAL

#### 1.01 SUMMARY

A. Handrail systems for pedestrian safety and wall protection

#### 1.02 SECTIONS INCLUDES

A. 3540WOWOB Silhouette Handrail System, oval oak wood handrail with integrated oak wood wall guard that includes a flexible vinyl bumper.

B. 3540WMMWB Silhouette Handrail System, oval maple wood handrail with integrated maple wood wall guard that includes a flexible vinyl bumper.

#### 1.03 REFERENCES

- A. American National Standards Institute (ANSI)
- B. American Society for Testing and Materials (ASTM)
- C. American with Disabilities Act (ADA)
- D. Environmental Protection Agency (EPA)
- E. Kitchen Cabinets Manufacturers Association (KCMA)
- F. National Emission Standards for Hazardous Air Pollutants (NESHAP)
- G. Society of Automotive Engineers (SAE)

#### 1.04 SYSTEM DESCRIPTION

A. Performance Requirements: Provide wood handrail systems with integrated impact bumpers that conform to the following requirements of regulatory agencies and the quality control of IPC Door and Wall Protection Systems, InPro Corporation.

1. Cold, heat and chemical resistance: Provide wood handrail with a finish that complies with the applicable provisions of ANSI/KCMA A161.1- 1990 for cold check, heat and chemical resistance.

2. Environmental compliance: Provide wood handrail and with a finish that does not off gas or emit any VOC, after a full cure, as tested in accordance to the EPA, NESHAP, Method 24, 40CFR, Volume 60, Appendix A.

3. Code Compliance: Provide handrails that comply with all current ANSI and ADA requirements.

#### 1.05 SUBMITTALS

A. Product Data: Manufacturer's printed product data for each product indicated in this section.

B. Detail Drawings: Mounting details with appropriate fasteners for specific project substrates.

C. Samples: Verification samples of handrail, 10" (254mm) long, in full size profiles with mounting brackets of each type indicated.

D. Manufacturer's Installation Instructions: Printed installation instructions for each handrail.

#### 1.06 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in unopened factory packaging to the jobsite.

B. Inspect materials at delivery to assure that specified products have been received.

C. Store in original packaging in a climate controlled environment away from direct sunlight.

#### 1.07 WARRANTY

A. Standard IPC limited lifetime warranty against material and manufacturing defects.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

A. Acceptable Manufacturer: IPC Door and Wall

#### Protection Systems

InPro Corporation, PO Box 406  
Muskego, WI 53150 USA  
Telephone 800-543-1729, Fax: 888-715-8407  
Internet address: www.inprocorp.com

B. Substitutions: Not permitted

C. Provide all handrails and wall protection from a single manufacturer.

#### 2.02 MANUFACTURED UNITS

A. Wood/Wood with bumper, Handrail

1. 3540WOWOB Silhouette Handrail, 7-7/8" (200mm) height, 1-1/2" (38mm) x 1-1/16" (27mm) oval gripping diameter, system extends 3-1/4" (82mm) from the wall. System includes a 1-1/2" (38mm) x 1-1/16" (27mm) oak wood handrail with an integrated oak wood wall guard, 5" (127mm) high, that includes a flexible vinyl bumper.

a. Stainless steel handrail returns and corners, standard; Wood handrail. returns and corners, optional.

2. 3540WMMWB Silhouette Handrail, 7-7/8" (200mm) height, 1-1/2" (38mm) x 1-1/16" (27mm) oval gripping diameter, system extends 3-1/4" (82mm) from the wall. System includes a 1-1/2" (38mm) x 1-1/16" (27mm) oak wood handrail with an integrated oak wood wall guard, 5" (127mm) high, that includes a flexible vinyl bumper.

a. Stainless steel handrail returns and corners, standard; Wood handrail. returns and corners, optional.

#### 2.03 MATERIALS

A. Wood: Shall be FAS grade, kiln dried, solid maple or red oak with moisture content of 5-9%.

B. Forest Stewardship Council® Certified Wood: Shall be kiln dried solid FSC® Certified Ash.

C. Stainless Steel: Brackets, returns and corners shall be made of type 201 stainless steel.

D. Vinyl

1. Molded Vinyl: Bracket components shall be made of injection mold grade, chemical and stain resistant polyvinyl chloride.

2. Flexible vinyl: Vinyl bumper shall be manufactured of flexible polyvinyl chloride.

#### 2.04 COMPONENTS

A. Handrail returns and corners

1. Solid wood and a finish to match handrails.

2. Cast stainless steel with a brushed #4 satin finish.

B. Wall guard returns and corners shall be fabricated of wood in a finish/color to match the wall guard.

C. Stainless steel brackets shall be fabricated from cast type 304 stainless steel with a brushed finish or a solid color powder coat finish.

D. Molded bracket component shall be made of injection molded thermoplastic.

E. Flexible vinyl bumper shall be extruded form flexible polyvinyl chloride.

F. Fasteners: All mounting systems accessories appropriate for substrates indicated on the drawings shall be provided.

#### 2.05 FINISHES

A. Wood Stain: Color of the handrail wall guard to be selected, by the architect, from the IPC stain selection.

B. Wood Finish: Handrail and wall guard shall be finished with a low-VOC, water based UV finish.

C. Molded Bracket Components: Molded bracket components shall be of a color matching the wall guard. Surface shall have a pebble texture.

D. Stainless Steel Brackets

1. Color of the stainless steel bracket to be selected

by the architect from the solid color metal tone color palette.

2. Color of stainless steel shall be #4 satin finish stainless steel.

E. Impact Bumper: Color of the impact bumper shall be black with a smooth finish.

### PART 3 EXECUTION

#### 3.01 INSTALLERS

A. Installer should be familiar with the installation of fine finished wood products.

#### 3.02 EXAMINATION

A. Examine areas and conditions in which handrail will be installed.

1. Complete all finishing operations, including painting, before beginning installation of handrail system materials.

2. Wall surface shall be dry and free from dirt, grease and loose paint.

#### 3.03 PREPARATION

A. General: Prior to installation, clean substrate to remove dust, debris and loose particles.

#### 3.04 INSTALLATION

A. General: Locate the handrail as indicated on the approved detail drawing for the appropriate substrate and in compliance with the IPC installation instructions. Install handrail level and plumb at the height indicated on the drawings.

#### 3.05 CLEANING

A. At completion of the installation, clean surfaces in accordance with the IPC clean-up and maintenance instructions.

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