

## AW-LR and AW-LRVB

A 2 1/2" high Renaissance™ wood handrail / leaning rail.

### Product Data

### Technical Data:

- 2 1/2" (64.4mm) height
- 3 1/2" (88.7mm) wall offset
- 2" (50.8mm) oval wood grip
- Supplied to field verified dimensions only with factory-finished ends
- 7-12' (2.1-3.7m) wood rail length; maximum length varies by species
- Minimum handrail length is 12" (304.8mm)
- Continuous aluminum mounting brackets

### Features:

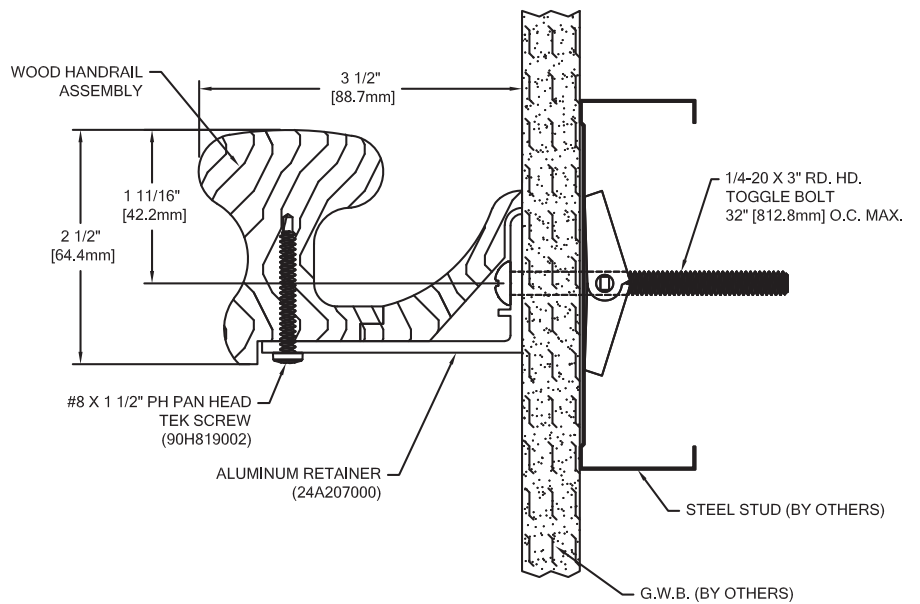
- Tested in accordance with ASTM E84 Class A/1 fire characteristics
- CA 01350 protocol for low VOC
- 5 year product warranty
- Factory-finished wood handrail
- Low VOC water based wood finishes

### Options:

- Custom wood finishes
- FSC certified wood
- AW-LRVB - feature insert bumper
- Ramp transitions



Real Wood



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## SUGGESTED SPECIFICATIONS SECTION 10 26 00

### CS Acrovyn Models AW-LR and AW-LRVB

#### Part 1 - General

##### 1.01 Summary

**A.** This section includes the following types of wall protection systems:

**1.** Handrails

**B.** Related sections: The following sections contain requirements related to this section:

- 1.** Corner Guards, Bumper Guards, Crash Rails, Accent Rails, Wall Covering, Wall Panels, Door Protection; refer to section 10 26 00 "Wall and Door Protection"  
**2.** Blocking in walls for fasteners; refer to section 09 22 00 "Supports for Plaster and Gypsum Board"

##### 1.02 References

- A.** National codes (IBC, UBC, SBCCI, BOCA, OSHA, Life Safety, OSHPD and ADA)  
**B.** American Society for Testing and Materials (ASTM)  
**C.** California 01350 specification

##### 1.03 Submittals

**General:** Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures":

- A.** Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.  
**B.** Shop drawings showing locations, extent and installation details of handrails. Show methods of attachment to adjoining construction.  
**C.** Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, finish and end cap attachment and alignment:  
**1.** 12" (304.8mm) long sample of each model specified including end cap.  
**D.** Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.  
**E.** Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

##### 1.04 Quality Assurance

- A.** Installer qualifications: Engage an installer who has no less than 3 years experience in installation of systems similar in complexity to those required for this project.  
**B.** Manufacturer's qualifications: Not less than 5 years experience in the production of specified products and a record of successful in-service performance.  
**C.** Code compliance: Assemblies should conform to all applicable codes including IBC, UBC, SBCCI, BOCA, OSHA, Life Safety, OSHPD, ADA and CA 01350.  
**D.** Fire performance characteristics: Provide wood components tested in accordance with ASTM E84 for Class A/1 fire characteristics.  
**E.** Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.

##### 1.05 Delivery, Storage and Handling

**A.** Deliver materials to the project site in unopened original factory packaging clearly labeled to show manufacturer.

**B.** Store materials in original, undamaged packaging in a cool, dry place out of direct sunlight and exposure to the elements. A minimum room temperature of 40°F (4°C) and a maximum of 100°F (38°C) should be maintained.

**C.** Material must be stored flat.

##### 1.06 Project Conditions

- A.** Materials must be acclimated in an environment of 65°-75°F (18°-24°C) for at least 24 hours prior to beginning the installation.  
**B.** Installation areas must be enclosed and weatherproofed before installation commences.

#### Part 2 - Products

##### 2.01 Manufacturers

**A.** Interior surface protection products specified herein and included on the submittal drawings shall be manufactured by Construction Specialties, Inc.

##### 2.02 Materials

- A.** Solid Wood Components: Shall be manufactured from plain sawn, FAS grade hardwood, kiln dried to a moisture content of 6% to 10%.  
**B.** Aluminum Shelf Angle: Shall be minimum 1/8" (3.2mm) thick, 6063-T6 extruded aluminum. Minimum strength and durability properties as specified in ASTM B221.  
**C.** Fasteners: All fasteners to be non-corrosive and compatible with wood. All necessary fasteners to be supplied by the manufacturer.

##### 2.03 Handrails

**A.** Wood Handrails to be CS Acrovyn: Surface mounted assembly supported on continuous aluminum shelf angle. Attachment hardware shall be appropriate for wall construction.

- 1. Model AW-LR 2 1/2" (64.4mm) high wood handrail/leaning rail. Rail to have 2" (50.8mm) wide gripping surface. Rail to have factory installed end caps. Specify AW-LRVB for optional feature insert bumper, select from Acrovyn solid colors (limited options). Select from one of Renaissance™ wood species and finishes. FSC certified wood can be specified. Custom woods and finishes available.** [Specifier note: refer to the Acrovyn Cradle to Cradle Product Summary at [www.acrovyn.com/c2c](http://www.acrovyn.com/c2c) to determine which woods and finishes are Cradle to Cradle Certified™ Gold or Silver for Acrovyn wall guards (exception: feature insert bumper). Cradle to Cradle Certified™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.]

##### 2.04 Finishes

**A.** All wood components shall be factory finished. Wood components to be final coated with water based, high solids, clear laquer using a two coat process. Finish shall be in accordance with specified AWI finish system. Coverage shall be a minimum of 3-5 mils. Gloss shall be measured on 60° gloss meter as per ASTM D523.

##### 2.05 Fabrication

- A.** General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes.  
**B.** Preassemble components in shop as much as possible to minimize field assembly.  
**C.** Fabricate components with wood joints lightly chamfered. Provide surfaces free of chipping, dents and other imperfections.

#### Part 3 - Execution

##### 3.01 Examination

**A.** Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.

- 1.** Do not proceed until unsatisfactory conditions have been corrected.

##### 3.02 Preparation

- A.** Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.  
**B.** Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

##### 3.03 Installation

- A.** Install the work of this section in strict accordance with the manufacturer's recommendations, using only approved mounting hardware, and locating all components firmly into position, level and plumb.  
**B.** Temperature at the time of installation must be between 65°-75°F (18°-24°C) and be maintained for at least 48 hours after the installation.

##### 3.04 Cleaning

- A.** General: Immediately upon completion of installation, clean rails and accessories in accordance with manufacturer's recommended cleaning method.  
**B.** Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

##### 3.05 Protection

**A.** Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.