



ARCHITECTURAL

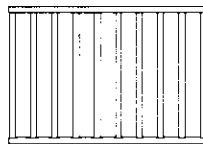
DECKRAIL Series

Technical Data Sheet

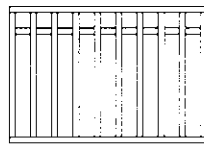
PRODUCT INFORMATION

Woodway Deckrail panels are made from precision molded 1 1/4" x 1 1/4" clear, kiln-dried Western Red Cedar. All panels are pre-assembled using mortise and tenon joinery secured with waterproof urethane adhesive. Panels are available in the five patterns shown

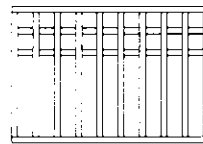
below. All panel patterns are available in net lengths of 44 1/2", 68 1/2" and 92 1/2" to fit exactly 3 1/2" posts measured on 4', 6' or 8' centers. Panel patterns are also available in net panel heights of 30" and 36" suitable for finished rail heights of 36" and 42", respectively.



Ladd's Addition



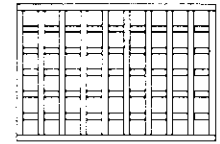
Laurelhurst



Irvington



Lair Hill



Council Crest

ACCESSORIES

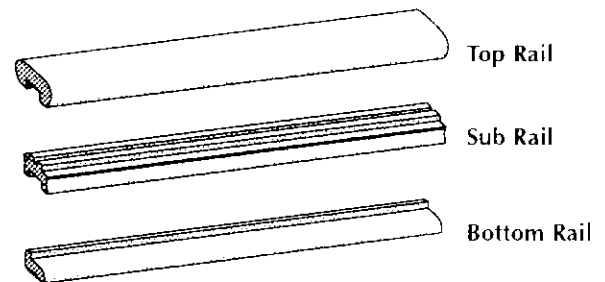
Top Rail Provides support and finished look; net 1 3/8" x 3 1/4" available in 6' and 8' lengths

Sub Rail Attaches top rail to deckrail panel; net 1 3/8" x 2 3/8" available in 6' and 8' lengths

Bottom Rail Finishing touch; net 1 3/8" x 3 1/4" available in 6' and 8' lengths

Baluster (not shown) Net 1 1/4" x 1 1/4" available in 36" height to match panel stock

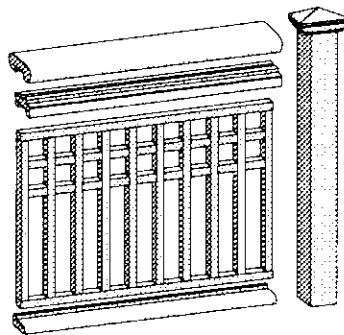
Post (not shown) Net 3 1/4" x 3 1/4" x 60"



PANEL TRIMMING RECOMMENDATIONS

If post spacing is such that full panels do not fit the opening, the panels can easily be trimmed

to fit. This can be accomplished in several ways. We recommend the following:



- 1 If the panel length is less than 1 1/2" longer than the opening between posts, the panel can be trimmed equally on both ends with a 1/2" edge on both panels' ends to fasten to posts.
- 2 If the panel length is over 1 1/2" longer than the opening between posts, we recommend trimming the panel to the next full vertical 2" x 2" and then installing the panel centered between the posts. Verify that the distance between the posts and the nearest vertical 2" x 2" meets code spacing requirements.

STAIRWAYS

Because nearly every stairway is different, we do not manufacture pitched stairway panels. Instead, we offer 36" lengths of the same precision molded 1 1/4" square material used in our panels. These may be used as

balusters set at the same spacing as the vertical members, or this material can be used to make a custom panel in a pattern to compliment the standard panels used elsewhere in the job.

BUILDING CODES

The following references to Woodway Architectural Deckrail Series products and building codes are provided for the applicator as a general but incomplete guide to identifying issues of code adherence. It is not

a substitute for a complete recitation of all relevant national and local codes. Please consult all relevant building codes prior to using Woodway Architectural Deckrail Series products.

Height and Opening Size

- 1 All of the panel styles comply with the requirement for a maximum opening size of less than 4" (CABO, Council of American Building Officials; BOCA, Building Officials Code Administrators.) Some building codes have a provision that prohibits any rail system that has a "ladder effect." Interpretation of this requirement is apparently at the discretion of individual building inspectors. We would assume that all our patterns meet this requirement except "Council Crest" and "Lair Hill."
- 2 Building code height minimums for residential railing is 36", while commercial applications require a 42" height minimum (CABO, BOCA). Woodway Deckrail residential and commercial panels are 30" and 36" in height, respectively. When used in combination with Woodway top, sub, and bottom rail and a 3" toe space, finished rail heights of 36" and 42" will be achieved. Be sure to check all relevant building codes to ensure compliance. Woodway Deckrail Panels require a net addition of 6" through a combination of toe space and rails to meet code heights when not using Woodway rail accessories.

Strength

- 1 These products are intended for use by construction professionals. All strength claims are contingent upon proper installation and fastenings. Because of the many ways this product may be used, field variables beyond our control, and differences between various building codes, it is up to the designer and/or installer to be familiar with local codes and determine appropriate fastenings and other details of each installation.
- 2 Panel strength: The panel is not designed to be used without top and bottom rails. Assuming the panel is securely fastened to an adequate top and bottom rail, any of the panels will easily meet the requirement of a 200 lbs. load applied over one square foot any place on the panel (CABO).
- 3 Rail strength: Used as designed, our top cap and top sub rails combined with the panel itself will meet the requirement for a 200 lbs. horizontal point load anywhere on the rail at up to an 8' span between posts (Standard Building Code).

FINISHING

We recommend applying a high quality stain or paint prior to installation of your Western Red Cedar Woodway Deckrail Panels. For generations Red Cedar has been the preferred material for external siding and outdoor applications due to its dimensional stability, rot resistance and superior finishing characteristics. Cedar will accept both water based and oil based finishes very well. Clear finishes will protect and enhance the natural cedar color but may need more

frequent application to prevent the sun's natural silvering of the wood. A semi transparent stain in a "cedar tone" color may also be used to retain the warm cedar color with less maintenance and is available in most major brands. Cedar also accepts an opaque stain or a paint exceptionally well. For painting, we recommend a stain blocking solvent-based primer coat prior to applying the finish paint coat(s).

SPECIFICATION WRITING

Pre-assembled railing panels shall be WOODWAY pre-assembled Deckrail panels, as manufactured by LWO Corporation, or equal. Deckrail panels shall be constructed of clear, kiln-dried and molded Western Red Cedar 1 1/4" x 1 1/4" material. Deckrail panels shall be pre-assembled using mortise and tenon joinery.

Joinery shall be secured using a waterproof urethane-based adhesive. No metal fasteners may be used in panel construction. Deckrail panel accessories (top, sub and bottom rails, balusters and posts) shall be made from clear, kiln-dried and molded Western Red Cedar.

