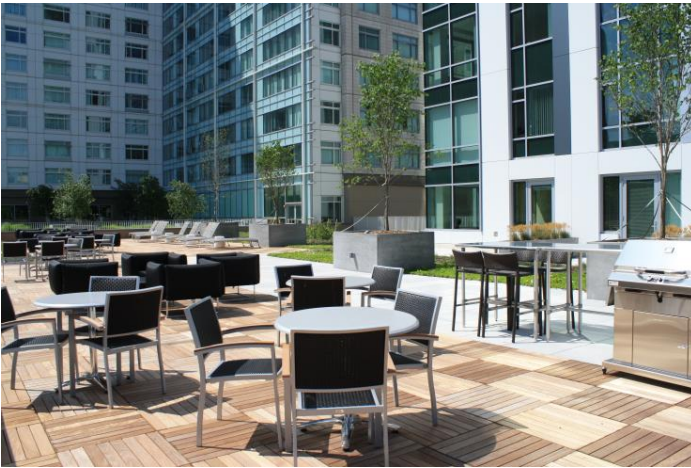


Elevations™ Roof Deck Systems



THE SYSTEM

Roof Decks present a unique set of challenges for a designer and or builder. When constructing a roof deck the designer must take into account the need to create a level deck on a sloped surface, maintain effective drainage, the potential for having to access the roof for maintenance, typically poor underdeck ventilation as well as the possible integration of green roof systems into the design. **Iron Woods**® Elevations™ deck tile systems provide unique and cost effective solutions for the construction of roof top decks. The **Iron Woods**® Elevations™ Deck Tile System, with Elevator™ pedestals provides architects and designers with a solution for any roof deck design challenge.

SURFACE OPTIONS



Tiles in Mosaic Application



Tiles in Linear Application

Elevations™ 24x24, 24x48, 24x72 and 20x20 Deck Tiles



Elevations Conventional Decking – Combines 5/4x4' Vanish Decking on 5/4x4 Stringers.

To be used in conjunction with all Elevations Pedestal Options.

Elevations™ Pedestal Options

Elevations™ pedestals can be utilized for projects that require tile elevation heights from 1-3/4" up to 22". Elevations™ pedestals include features that add greatly to performance, ease of installation, and stability.

Rigid-to-rigid (pedestal-to-tile) application can create noise and tile movement from pedestrian traffic. Our pads and fasteners help to eliminate both conditions.

With the exception of our EPDM pedestals and shims, all components are made of high density, durable, impact resistant polypropylene.

Timber Holdings offers several pedestal options based on surface and elevation requirements.



EPDM Rubber High Tab Pedestals and Shims (Free Floating System)

The EPDM Rubber Pedestal is a flexible deck tile support pedestal that allows tiles to follow the natural contour of the roof. This 3/8" fixed height pedestal incorporates spacer tabs and 1/8" and 1/16" leveling shims to facilitate minor adjustments. The flexible EPDM rubber is resistant to environmental deterioration. Additionally, it has sound deadening qualities and creates a soft feel for walking. This pedestal is not stackable and must be considered only for low elevation support requirements.

Use in conjunction with the Elevations 24'x24' roof deck tiles.

Use in conjunction with 1/16" and 1/8" EPDM leveling shims.

Use when the roof surface is flat or the deck can follow the slope of the roof surface.

Use when the Roof Surface to Deck Surface is required to be 1-3/4"

Use when roof deck tiles are not required to be fastened to the pedestal.



Elevations Stack Cap – (Stackable)

The increased height of the spacer tab on the Stack Cap Pedestal greatly improves installation when leveling shims are needed. Stack caps are designed to be used in conjunction with PVC Pipe for elevations above 4'' when slope adjustment is not required.

Use in conjunction with the Elevations 24'x24' roof deck tiles.

Use in conjunction with 1/16'' and 1/8'' leveling shims.

Use in conjunction with Elevations Tile Loc fasteners.

Use in conjunction with Elevations Buffer Pad.

Use when the roof surface is flat or sloped.

Use when attachment of deck tiles to pedestal is required.

Use when the Roof Surface to Deck Surface is required to be between 1-3/4'' – 4''



Elevations – Uni-Just Pedestal System (with built in Slope Compensator)

Uni-Just Pedestals offer a uniquely simple solution. This three Piece system combines a Pedestal Buffer Pad, Base and (Cap with built in Screw Jack and Slope Compensator) with a piece of PVC pipe cut on site to the elevation height required.

The unique twist-to-adjust Slope Compensator design easily adjusts to $5/32''$ to $1/2''$ per foot of slope.

The Elevations™ System incorporates shims fabricated from EPDM. Shims are available in $1/8''$ or $1/16''$ thickness. Leveling shims may be used in one piece or easily separated into halves or quarters for individual tile adjustment as required.

Tile Lock fasteners can also be incorporated to secure the tiles to the pedestal to reduce the potential for wind up lift. Integrated spacing tabs set uniform $1/8''$ space between deck tiles and aid alignment. The top plate also provides over 42 square inches of load bearing area.

Use in conjunction with the Elevations 24'x24' roof deck tiles.

Use in conjunction with 4" Diameter SDR35 PVC pipe.

Use in conjunction with $1/16''$ and $1/8''$ leveling shims.

Use in conjunction with Elevations Tile Lock fasteners.

Use in conjunction with Elevations Buffer Pad.

Use when the roof surface is sloped.

Use when the Roof Surface to Deck Surface is required to be between 4" to 22"



Elevations – Screw Jack Pedestal System

Screw Jack Pedestal, Extension Couplers, Slope Compensator and Leveling Shims

Screw Jacks can be combined to accommodate required elevations. The chart below demonstrates possible height solutions when including slope compensator.

2" Base w/2" Top = 4.5" to 5.5", 3" Base w/ 3" Top = 5.5" to 7.25", 4" Base w/ 4" Top = 7.25" to 10", 4" Coupler adds 2" to any combination.

Couplers include a circular flange with multiple holes, or eyelets, for ease of tie bracing. This ring of eyelets around the entire coupler, as well as the holes in the base, enables the installer to securely fasten braces quickly and easily when pedestal heights exceed 16".

The Slope Compensator is a specially designed tapered circular base made of high density plastic and is impervious to water. When used in conjunction with our Screw Jack pedestals, the Slope Compensator will "compensate" for the roof slope and allow the installer to easily achieve a level surface for tile installations. Their unique twist-to-adjust design easily adjusts to slopes from 5/32" to 1/2" per foot of slope.

The Elevations™ System incorporates shims fabricated from EPDM. Shims are available in 1/8" or 1/16" thickness. Leveling shims may be used in one piece or easily separated into halves or quarters for individual tile adjustment as required.

Tile Lock fasteners can also be incorporated to secure the tiles to the pedestal to reduce the potential for wind up lift. Integrated spacing tabs set uniform 1/8" space between deck tiles and aid alignment. The top plate also provides over 42 square inches of load bearing area.

Use in conjunction with the Elevations 24'x24' roof deck tiles.

Use in conjunction with 1/16" and 1/8" leveling shims.

Use in conjunction with Elevations Tile Lock fasteners.

Use in conjunction with Elevations Slope Compensator.

Use in conjunction with Elevations Extension Couplers.

Use in conjunction with Elevations Base Pad.

Use when the roof surface is sloped.

Use when the Roof Surface to Deck Surface is required to be between 5" to 22"

Use Elevations bracing when pedestal height is 16" to 22".

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