SECTION 07 76 16

DECK PEDESTAL SYSTEM AND SITE FURNISHINGS

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\*\* NOTE TO SPECIFIER \*\* Bison Innovative Products; deck pedestal support and wood tile paver products.  
This section is based on the products of Bison Innovative Products, which is located at:  
701 Osage St. Unit 120  
Denver, CO 80204  
Toll Free Tel: 800-333-4234  
Tel: 303-892-0400  
Fax: 303-825-5988  
Email: [request info (matt@bisonip.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Bison+Innovative+Products&coid=30960&rep=&fax=303-825-5988&message=RE:%20Spec%20Question%20(07760bis):%20%20&mf=)  
Web: <http://www.bisonip.com>   
 [ [Click Here](https://www.arcat.com/arcatcos/cos30/arc30960.html) ] for additional information.  
Bison leads the industry in providing customers with tested, innovative solutions for raised decks, including rooftop decks, plazas, terraces, pop-up-parks and other architectural features requiring maintenance-free pedestals and low-maintenance deck surfaces.  
Made & Stocked in the US: Bison manufactures and warehouse large quantities of products in Denver, CO. Bison also operates satellite warehouses in Southern California and Newark New Jersey.  
Maintenance-Free Pedestals: In 1994, Bison introduced the Screwjack pedestal to the US market. Now manufactured in Denver, Colorado, Bison pedestals have patented features that improve performance and stability. Our gravity-based pedestals quickly install without harming waterproof membranes. Bison pedestals offer the largest bearing surface area for improved support of wood tiles, stone tiles and concrete pavers.  
Low-Maintenance Hardwood Decks: In 2004 Bison introduced structural wood tiles made of Brazilian Ipe and Cumaru. The dense grain makes these hardwoods nearly impervious to insect and weather damage, providing a long-term, low-maintenance solution. Highly rated for fire, seismic and wind conditions.  
Low-Maintenance Hardwood Decks: In 2009 Bison became FSC®-certified and now sources FSC® wood tiles. Bison executives travel to Brazil to ensure Ipe and Massaranduba hardwood used comes from forests implementing sustainable and FSC®-certified forestry practices that maintain the health of the rainforests and economic viability of local communities.  
Customer Service: Bison serves customers with the best and most trusted products in the industry. We take pride in delivering superior customer service through every stage of the selection, purchase and installation process. Please feel free to contact us with any questions.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Adjustable Deck Pedestals
    2. Fixed Height Deck Pedestals
    3. Low Height Deck Pedestals
    4. Deck Pedestals Accessories
    5. Deck Paver Tiles and Paver Trays
    6. Modular Planter, Seating and Storage Cubes
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 32 14 23 - Asphalt Unit Paving.
    2. Section 04 22 00 - Concrete Unit Masonry.
    3. Section 04 40 00 - Stone Assemblies.
    4. Section 04 40 00 - Stone Assemblies.
    5. Section 06 15 00 - Wood Decking.
    6. Section 06 50 00 - Structural Plastics.
    7. Section 06 73 00 - Composite Decking.
    8. Section 07 50 00 - Membrane Roofing.
    9. Section 07 72 13 - Manufactured Curbs.
    10. Section 07 76 13 - Roof Ballast Pavers.
    11. Section 09 01 60.91 - Flooring Restoration.
  1. PERFORMANCE AND DESIGN REQUIREMENTS
     1. Provide a complete deck support system as indicated on the Drawings.
     2. System to be used with applications having pedestrian traffic only and with all four sides of a deck system designed to restrain and contain decking panels with perimeter blocking or walls. Lateral movement of the system greater than 1/8 inch is unacceptable. Vehicular traffic or equipment including but not limited to snow removal equipment, ATV's, forklifts, or any motorized vehicles are not permitted.
     3. Consult the Pedestal Support System Manufacturer and the Project Engineer if the following conditions are anticipated:
        1. When spacer tab condition or design requires spacing between decking tiles or concrete pavers other than the standard spacing required by the manufacturer.
        2. When considering use for other than raised decks (e.g. interior floors, stairs, etc.).
        3. When the required pedestal height exceeds the safe limits as determined by the Manufacturer.
        4. When pedestal load capacity exceeds the maximum listed.
        5. When anticipating installation of any items with excess weight on top of the deck.
        6. When using Deck Supports pedestals on grade (soil).
        7. When greater pedestal load capacity is required.
     4. Deck surfacing tiles or pavers shall be designed to sit above waterproofing, integral flashing and or counter flashing. Use protective wall covering in locations where the perimeter of the deck may come into contact with the flashing material.
     5. Heavy flat bottom features such as planters, heavy benches, water features, hot tubs, etc. shall be designed with individual support in addition to the deck pedestal system.
        1. Provide a minimum of one additional pedestal support for every 500 lbs. (or portion thereof) of static loading.
        2. Install additional support pedestals directly under the decking and evenly spaced immediately below the feature locations.
        3. Provide one additional pedestal under the corner of any rectangular feature.
        4. Bison Cubes may require additional support under the center and corners depending on the size and anticipated weight loads.
        5. Features supported by legs or feet are not acceptable due to point loading.
        6. Features that create vibration must be acceptable to the Support System manufacturer in advance.
        7. Cell phone towers, heavy planters and other similar features require separate engineered supports.
     6. Deck design is not to exceed the design capacity of the pedestal.
     7. Decks should be restrained on all sides and not have lateral movement in excess of one tab set (not to exceed 3/16 inch (4.5 mm).
     8. Substrate immediately below the pedestals shall be designed to provide positive drainage.
     9. For decks over roofing substrates, roof systems must meet local building code and be in accordance with the NRCA recommended good construction practices. Only roofing manufacturer approved systems shall be used.
     10. For applications directly over roofing and waterproofing membranes use a 12 by 12 inch piece of the same type of membrane as a separate protection slip sheet underneath each pedestal.

\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph only if the Pedestal system is installed over a roofing or waterproofing membrane. Delete if not required.

* + 1. Decks Over Roofing and Waterproofing:
       1. Pedestal Installation: Install on surfaces with a 40 psi bearing capacity.
       2. Pedestals must be supported by a surface providing a 40 psi bearing capacity.
       3. A 12 x 12 inch (305 x 305 mm) piece of installed membrane is recommended as a separate protective slip sheet underneath each pedestal.
    2. Roof Top Applications:

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs as applicable to the project. Delete if not required.

* + - 1. Roof Type 1; Insulation Installed Below Roof Membranes: Rigid insulation board systems, typically polyisocyanurate, perlite, or wood fiberboard, with a 20 psi density. Support systems to create an adequate bearing surface as follows:
         1. Thin Cap Bearing Protective Layer: Thin dense low-foamed isocyanurate insulation that provides the necessary pedestal system support.
         2. Bison Model FIB (Floating Insulation Base): An enlarged pedestal base that distributes the anticipated loaded weight on a pedestal over an enlarged area.
         3. Insulation Above the Membrane: 1.5 inch thick minimum layer of dense, closed cell 40 psi minimum extruded cell polystyrene insulation board above the roof system to provide the pedestal system support.
      2. Roof Type 2: Closed Cell Insulation Protecting Roof Membrane Systems: Inverted Roof Membrane Systems that incorporate plus 40 psi density closed cell extruded polystyrene insulation on top of the roofing membrane.
         1. Before the ballast rock is installed, deck system pedestals are installed directly on the insulation. Varying densities and thicknesses of extruded polystyrene are commonly used, and substantial ballasting is required.
         2. Pedestals can be installed directly on top of gravel removed 40 psi, or greater, extruded closed cell polystyrene insulation with 1.5 inch thickness or greater.
    1. Decks on Grade:
       1. Substrate soil receiving pedestals must be adequately compacted and have a positive drainage slope. Provide a compacted gravel base at deck support locations.
       2. Bison Floating Foundation Bases (FFB): To be used beneath on-grade Deck Support decks. Level the surface and install directly on grade as a base.
       3. Provide system with wall or perimeter containment on all open sides. Install structural perimeter containment that restrains the entire decking system.
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation instructions.
        4. Cleaning and maintenance instructions.
     3. Shop Drawings: Submit shop drawings showing all components required for the paver and pedestal requirements. Include plan drawings showing layout of all paver areas and detail drawings showing how the various components of the system fit together. Include manufacturer's literature completely describing all components of the paver pedestal system with detailed installation recommendations and instructions.
     4. Structural Analysis: Provide confirmation of the structural capability and adequacy of the structure to carry the dead and live load weight(s) required, and that the density of any insulation is satisfactory to resist crushing and damaging the waterproofing membrane.
     5. Fire Resistance Ratings: Provide confirmation as required for exterior pedestal supported deck system by the local requirements.
     6. Wind Uplift Ratings: Provide confirmation of as required for exterior air permeable pedestal supported deck systems by the local requirements.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable.

* + 1. LEED Submittals: Provide documentation to support requirements of how the following Credit will be met:
       1. Deck Pedestals contain 20 percent Post-Industrial Recycled Material and can contribute to multiple points within Materials and Resources Credits 4 as a single product contributing to multiple LEED points.
       2. Cubes: Bison Aluminum and Steel Cubes could contribute to LEED points in Material Content with Recycled Content; Indoor Environmental Quality by using low VOC Sealants and Finishes.
       3. Wood Tiles: Bison FSC-Certified (FSC-C13454) Ipe and Massarunduba wood tiles could contribute to LEED points under Materials and Resources Credit 7 (MR Credit 6 for CS).
    2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
    3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
    4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic cleaning, adjustment, and maintenance of components.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Minimum of 10 years' experience manufacturing deck supports and tile systems.
     2. Installer Qualifications: Installer must have a minimum of 2 years proven construction experience for projects of a similar type and scale. All Work must comply with the manufacturer's installation instructions and procedures for deck support work specified herein.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
       1. Finish areas designated by Architect.
       2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
       3. Refinish mock-up area as required to produce acceptable work.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging with labels intact and legible until ready for installation.
     2. Protect products during shipment, storage, and construction against damage. Store a minimum of 4 inches (102 mm) off the ground in a dry location and cover with polyethylene to protect from contact with materials that would cause staining or discoloration.
     3. Store products in an enclosed or covered area protected from the elements as site conditions allow.
  2. WARRANTY
     1. At project closeout and upon request, Bison can provide to the Owner an executed copy of the Manufacturer's standard document outlining the terms, conditions, and limitations of their limited warranty against manufacturing defects for a period of five (5) years. Bison must approve all warranty related repairs, and unauthorized repairs void this limited warranty.
     2. The Contractor warrants that his work will remain free from defects in material and workmanship in accordance with the General Conditions for this project or a minimum of five (5) years.
     3. It is the responsibility of the Contractor installing the product listed in this section to coordinate warranty requirements with any related sections or adjacent work. Notify the Architect immediately of any potential lapses or limitations in warranty coverage.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Bison Innovative Products, which is located at: 701 Osage St. Unit 120; Denver, CO 80204; Toll Free Tel: 800-333-4234; Tel: 303-892-0400; Fax: 303-825-5988; Email: [request info (matt@bisonip.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Bison+Innovative+Products&coid=30960&rep=&fax=303-825-5988&message=RE:%20Spec%20Question%20(07760bis):%20%20&mf=); Web: <http://www.bisonip.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with the provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete the Adjustable Deck Pedestal Articles not required.

* + 1. Versadjust, adjustable V-Series reaches heights from 2-1/4 inches to 36 inches, with a 1250 pound weight bearing capacity (FS:3). Built in slope compensation from 0 - 1/2 inch per foot slope. Precise spacer tabs allow for deck drainage. Screw-to-adjust height setting assures a perfectly straight and level deck. Quick Clip Coupler (patent pending) increases the speed and efficiency installing pedestals at heights over 9 inches. Accessories are available to compensate for additional slope and accommodate heights from 1/8 inch to 2-1/4 inches. Use Versadjust Pedestals with Bison Brace System for Excess Height Installations from 24-36 inches in height or for installations requiring additional stability. The Bison Versadjust pedestal has a broad footprint that provides stability, is impervious to freeze thaw cycles, and offers a range of heights suited to almost any application.
  1. ADJUSTABLE DECK PEDESTALS AND ACCESSORlES - VERSADJUST, LOW HEIGHT, LO
     1. Applications and Scope: Furnish and install a complete adjustable pedestal deck system within the following parameters.
        1. Versadjust Pedestals:
           1. Maximum Cavity Height without Additional Bracing: 24 inches (610 mm)
           2. Maximum Cavity Height with Bison Bracing System: 36 inches (914 mm)
           3. Not designed to support decks carrying vehicular traffic or equipment.

Includes but is not limited to snow removal equipment, ATV's, forklifts, or any other motorized vehicles.

* + - 1. Consult the Manufacturer and the Project Engineer Regarding the Following:
         1. Deck Tile or Concrete Paver Spacing: Exceeds 3/16 inches (4.5 mm).
         2. Required Pedestal Height: Exceeds 36 inches (914 mm).
         3. Required Pedestal Load Capacity: Exceeds 1250 lbs (567 kg) FoS:3 per pedestal.
         4. When considering pedestals for atypical material support; stairs, ramps, etc.
         5. When anticipating installation of any items with excess weight on top of the deck; planters, hot tubs, etc.
         6. When using Bison Pedestals on-grade; soil.

\*\* NOTE TO SPECIFIER \*\* Delete paragraph if not required.

* + 1. Versadjust Adjustable Pedestals:
       1. V-Series Base Model:
          1. General Details:

Weight Bearing Capacity: 1250 lbs (567 kg) FoS:3 per pedestal.

Includes integral VB Base Leveler that compensates for 0 to 1/2 inches per foot slope (0 - 4 percent).

Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

* + - * 1. Pedestal Base Details:

Diameter: 8-3/8 inches (213 mm). Base Thickness: 7/8 inches (22 mm).

Bearing Surface Area: 50.3 sq inches (325 sq cm).

Drainage Holes: Two, 1/4 inch (6 mm) diameter.

Holes for BB-PEGS: Six, 1/2 inch (13 mm) diameter.

* + - * 1. Pedestal Top Details:

Diameter: 6-3/4 inch (172 mm). Plate Thickness: 3/16 inch (4.5 mm).

Bearing Surface Area: 35.8 sq inches (231 sq cm).

Drainage Channels: Four, 1/8 inches (3.2 mm) wide.

* + - * 1. Spacer Tabs:

Free-Spinning Insert: Maintains spacing while allowing for pedestal height adjustments under load.

\*\* NOTE TO SPECIFIER \*\* Delete spacing configuration not required.

Spacing Configuration: 1/8 inches (3.2 mm) tab thickness.

Spacing Configuration: 3/16 inches (4.5 mm) tab thickness.

\*\* NOTE TO SPECIFIER \*\* Delete the following option if Model VC2 Coupler is not specified.

* + - 1. Model VC2 Quick Clip Coupler: Adds up to 4 inches (102 mm) of height.
      2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete pedestal models and coupler configurations not required.

* + - 1. Model V1: 2-1/4 to 2-3/4 inches (57 to 70 mm) height.
      2. Model V2: 2-3/4 to 3-3/4 inches (70 to 95 mm) height.
      3. Model V3: 3-3/4 to 5-3/4 inches (95 to 146 mm) height.
      4. Model V4: 5-3/4 to 9 inches (146 to 229 mm) height.
      5. Model V4 + VC2: 9 to 13 inches (229 to 330 mm) height.
      6. Model V4 + 2x VC2: 13 to 17 inches (330 to 432 mm) height.
      7. Model V4 + 3x VC2: 17 to 21 inches (432 to 533 mm) height.
      8. Model V4 + 4x VC2: 21 to 25 inches (533 to 635 mm). Heights over 24 (610 mm) require bracing.
      9. Model V4 + 5x VC2: 25 to 29 inches (635 to 737 mm). Heights require bracing.
      10. Model V4 + 6x VC2: 29 to 33 inches (737 to 838 mm) Heights require bracing.
      11. Model V4 + 7x VC2: 33 to 36 inches (838 to 914 mm) Heights require bracing.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Low Height Pedestals are not required or delete models not required.

* + 1. Low Height Pedestals:
       1. Model VT18 or VT316 Fixed Height Pedestals:
          1. Diameter: 4-3/4 inches (121 mm). Tall: 1/8 inches (3.2 mm) tall.
          2. Bearing Surface: 17.7 sq inches (114 sq cm).

\*\* NOTE TO SPECIFIER \*\* Delete integral spacer tabs options not required.

* + - * 1. Integral Spacer Tabs: 1/8 inches (3.2 mm).
        2. Integral Spacer Tabs: 3/16 inches (4.5 mm).
        3. Slope Compensation: Not supported.
        4. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
      1. Model VT18-HEX Fixed Height Pedestal:
         1. Diameter: 4-3/4 inches (121 mm). Tall: 1/8 inches (3.2 mm).
         2. Bearing Surface: 17.7 sq inches (114 sq cm).
         3. Integral Spacer Tabs: 1/8 inches (3.2 mm) thick with 120 degree tab orientation for hexagonal pavers.
         4. Slope Compensation: Not supported.
         5. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
      2. Model HD Fixed Height Pedestals:
         1. Model HD25: 1/4 inches (6 mm) tall. Stackable (4 Max).
         2. Model HD50: 1/2 inches (13 mm) tall. Stackable (4 Max).
         3. Model HD75: 3/4 inches (19 mm) tall. Stackable (4 Max).
         4. Diameter: 5-7/8 inches (149 mm). Wall Thickness: 3/32 inches (2.4 mm).
         5. Bearing Surface Area: 27.1 sq inches (175 sq cm).

\*\* NOTE TO SPECIFIER \*\* Delete integral spacer tabs options not required.

* + - * 1. Integral Spacer Tabs: 1/8 inches (3.2 mm).
        2. Integral Spacer Tabs: 3/16 inches (4.5 mm).
        3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
        4. Slope Compensation: Compatible with LD4 slope compensator.
    1. Model LO:

\*\* NOTE TO SPECIFIER \*\* Delete spacer tabs option not required.

* + - 1. Spacer Tabs: 1/8 inches (3.2 mm).
      2. Spacer Tabs: 3/16 inches (4.5 mm).
      3. General Pedestal Details:
         1. Height Range: 1-1/4 to 2 inches (32 to 51 mm).
         2. Weight Bearing Capacity: 1000 lbs (453 kg) FoS:3 per pedestal.
         3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
      4. Pedestal Base Details:
         1. Diameter: 7-7/8 inches (200 mm). Plate Thickness: 3/16 inch (4.5 mm).
         2. Bearing Surface Area: 48.7 sq inches (314 sq cm).
         3. Drainage Holes: Four, 3/4 inches (19 mm) diameter.
         4. Holes for BB-PEGS: Eight, 1/2 inches (13 mm) diameter.
      5. Slope Compensation: Compatible with LD4 slope compensator.
      6. Pedestal Top Details:
         1. Diameter: 5-7/8 inches (149 mm). Plate Thickness: 3/16 inch (4.5 mm).
         2. Bearing Surface Area: 27.1 sq inches (175 sq cm).
         3. Holes for Drainage and/or Mechanical Attachment: Eight, 3/8 inches (10 mm) diameter.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Base Levelers are not required.

* + 1. Base Levelers: Model LD4. Placed beneath pedestals and adds approximately 1/4 inches (6 mm) to pedestal height.
       1. Versadjust (V-Series) Pedestals include a VB base leveler that compensates for 0 to 1/2 inches per foot slope (0 to 4 percent).
       2. Slope Compensation: 1/4 inches per foot (2 percent). One LD4.
          1. Under all pedestal models.
       3. Slope Compensation: 1/2 inches per foot (4 percent). Two LD4s.
          1. Under Pedestal Models: V1, V2, V3, or V4.
       4. Slope Compensation: 1 inches per foot (8 percent). Four LD4s.
          1. Under Pedestal Models: HD25s, HD50s, HD75s, or LOs.
       5. Not recommended for use under VT Fixed Height Pedestals.
       6. Physical Characteristics:
          1. Diameter: 8-3/8 inch (213 mm). Center Point Thickness: 3/8 inch (10 mm).
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Shims are not required or delete models not required.

* + 1. Shims:
       1. Model B11: Flexible Shim 1/16 inches (1.5 mm). Material: Thermoplastic Elastomer.
          1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - 1. Model PS1: Rigid Shim 1/8 inches (3.2 mm)
         1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - * 1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Fastening Kits are not required or delete models not required.

* + 1. Fastening Kits:
       1. Model FS-1: Fastening Kit. Secures Bison Wood Tiles to Bison Pedestals without penetrating or damaging the Wood Tiles.
          1. Components: Washer, long screw, and short screw. Weight: 0.192 oz. (5.4 g).
          2. Material: Nylon.
          3. FS-1 with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model FS-12: Fastening Spline. Secures Bison Wood Tiles, or Paver Trays to Bison Pedestals without penetrating or damaging the Wood Tiles, Paver Trays, or selected pavers when greater lock-down force is required.
         1. Components: Spline, long screw, and short screw. Weight: 1.41 oz. (40 g).
         2. Length: 12 inches (305 mm). Tab: 3/16 inches (4.5 mm)
         3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
         4. FS-12 with Bison Paver Trays:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - * 1. FS-12-WT with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model BB-Wedge: Spacing wedge. Components: Two wedge pieces and one screw.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Joist Top accessory is not required.

* + 1. Joist Top:
       1. Model JT: Joist Top Attachment. Pedestal accessory to construct joist and plank decks. Accommodates 2 x and 4 x joists. Includes one screw.
       2. Adds 3/16 inches (4.5 mm) in height. Creates a base bearing surface for joist installation.
       3. For use with Bison Adjustable Pedestals,
       4. Not for use with Bison Fixed Height Pedestals.
       5. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if the Joist Saddle accessory is not required or delete model not required.

* + 1. Joist Saddle:
       1. Model JS: Joist Saddle Attachment. Pedestal accessory to construct joist and plank decks. Accommodates 2 x and 4 x joists. Includes one screw.
          1. Adds 1/2 inches (13 mm) in height. Creates a base bearing surface for joist installation.
          2. For use alone or on any Bison Pedestal, including Fixed Height Pedestals.
          3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
       2. Model JS-SNAPS: Joist Saddle Attachment: With snaps molded into the base for attachment to LO and LC Pedestal tops.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Base Pads are not required or delete Models not required.

* + 1. Base Pads:
       1. Model FFB: Floating Foundation Base: Pedestal base pad for on-grade installations.
          1. Provides a 12 x 12 x 1/4 inches (305 x 305 x 6 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.
       2. Model FIB: Floating Insulation Base: Pedestal base pad required beneath Bison Pedestals to disperse the deck load over roofing systems with a compressive resistance of 20 to 40 psi (138 to 275 kPa).
          1. Provides a 12 x 12 x 7/16 inches (305 x 305 x 11 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
          3. Not recommended for use with VT or HD25 Fixed Height Pedestals.
       3. Model SP8: Sound Pad. Pedestal base pad for impact noise reduction.
          1. Provides an 8 x 8 x 1/8 inches (203 x 203 x 3.0 mm) base bearing surface.
          2. Weight: 3.9 oz. (111 g).
          3. Material: 92 percent Recycled Styrene-Butadiene Rubber (SBR).

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Bison Bracing is not required or delete models specified or delete models not required.

* + 1. Bison Bracing System: Mandatory for pedestals 24 to 36 inches (610 to 914 mm) in height.
       1. For Seismic, Wind Uplift, On-Grade, and Additional Stability Installations: As needed.
       2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.
       3. Model BB-BRACE: Brace kit.
          1. For use with 11-3/4 to 36 inch (298 to 914 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 17 inch (432 mm) long brace pieces and BB-LATCHES.
       4. Model BB-C: Brace collar.
          1. For use with Model V4 + VC2 and up.
          2. Allows for braced connections away from the pedestal base.
       5. Model BB-FH: Fixed height brace kit
          1. For 8-1/2 to 25-1/2 inches (216 to 648 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Braces can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 12 inch (305 mm) long brace pieces and BB-SCREWS.
       6. Model BB-CONNECT: Fixed height brace connector,
          1. Allows for a braced transition between BB-FH and adjustable pedestal base with BB-PEGS.
          2. For use when transitioning from fixed height pedestals and fixed height bracing to adjustable pedestals and bracing, while ensuring a fully interconnected decking system.
       7. Model BB-PEG: Brace Peg: Individual pegs to be inserted into Versadjust Pedestal Base which allow for secure BB-BRACE attachment via quick-clip locking mechanism.
          1. For Versadjust Pedestals Receiving Bracing: Six pegs required.
          2. For Model LO Pedestals Receiving Bracing: Eight pegs required.

\*\* NOTE TO SPECIFIER \*\* Delete peg model options not required.

* + - * 1. Peg Model: V1-316 BB-PEGS.
        2. Peg Model: V2-316 BB-PEGS.
        3. Peg Model: V3-316 BB-PEGS.
        4. Peg Model: V4-316 BB-PEGS.
        5. Peg Model: V1-18 BB-PEGS.
        6. Peg Model: V2-18 BB-PEGS.
        7. Peg Model: V3-18 BB-PEGS.
        8. Peg Model: V4-18 BB-PEGS.
        9. Versadjust with BB-PEGS pre-inserted into pedestal base at the factory.

\*\* NOTE TO SPECIFIER \*\* Level.It L-Series: Pedestal has a broad footprint providing stability, is impervious to freeze thaw cycles, and offers a height range suited to almost any application. Precise spacer tabs allow for deck drainage, simple accessories adjust for slope. The screw-to-adjust height setting assures a perfectly straight and level deck. The unique design of the Level.It Model LC covers height ranges from 2 to 4-3/4 inches and has a 750 lbs weight bearing capacity (FS:3). Add couplers to reach up to 12 inches in height. Additional low height pedestals supports are available covering low height ranges from 1/8 inch to 2 inches.

* 1. ADJUSTABLE DECK PEDESTALS AND ACCESSORIES - LEVEL.IT
     1. Applications / Scope: Furnish and install a completely adjustable pedestal deck system within the following parameters.
        1. Maximum Cavity Height: 24 inches (610 mm).
        2. Not designed to support decks carrying vehicular traffic or equipment.
           1. Includes but is not limited to snow removal equipment, ATV's, forklifts, or any other motorized vehicles.
        3. Consult the Manufacturer and the Project Engineer regarding the following:
           1. Deck Tile or Concrete Paver Spacing: Exceeds 3/16 inches (4.5 mm).
           2. Required Pedestal Height: Exceeds 24 inches (610 mm).
           3. Required Pedestal Load Capacity: Exceeds 1000 lbs (454 kg) FoS:3 per pedestal.
           4. When considering pedestals for atypical material support; stairs, ramps, etc.
           5. When anticipating installation of any items with excess weight on top of the deck; e.g. planters, hot tubs, etc.
           6. When using Bison Pedestals on-grade; soil.

\*\* NOTE TO SPECIFIER \*\* Delete paragraph if not required.

* + 1. LEVEL.IT Adjustable Deck Pedestals:
       1. L-Series Base Model:
          1. General Details:

Weight Bearing Capacity: 1000 lbs (454 kg) FoS:3 per pedestal.

Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

* + - * 1. Pedestal Base Details:

Diameter: 7-7/8 inches (200 mm). Plate Thickness: 3/16 inch (4.5 mm).

Bearing Surface Area: 48.7 sq inches (314 sq cm).

Drainage Holes: Four, 3/4 inches (19 mm) diameter.

Holes for BB-PEGS: Eight, 1/2 inches (13 mm) diameter.

Compatible with LD4 slope compensator.

* + - * 1. C3 Coupler Details: Integral coupler.

Material: Natural Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025.

* + - * 1. Pedestal Top Details:

Diameter: 5-7/8 inch (149 mm). Plate Thickness: 3/16 inch (4.5 mm).

Bearing Surface Area: 27.1 sq inches (175 sq cm).

Drainage and/or Mechanical Attachment Holes: Eight, 3/8 inches (10 mm) diameter.

* + - * 1. Spacer Tabs:

Free-Spinning Insert: Maintains spacing while allowing for pedestal height adjustments under load.

\*\* NOTE TO SPECIFIER \*\* Delete spacing configuration not required.

Spacing Configuration: 1/8 inches (3.2 mm) tab thickness.

Spacing Configuration: 3/16 inches (4.5 mm) tab thickness.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if Couplers are not required or delete models not required.

* + - 1. Model C1: Coupler. Adds up to 1-1/2 inches (44 mm) of height.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
      2. Model C4: Coupler. Adds up to 4 inches (102 mm) of height.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete pedestal models and coupler configurations not required.

* + - 1. Model LC: 2 to 4-3/4 inches (51 to 121 mm) height.
      2. Model LC + C1: 4-3/4 to 6-1/4 inches (121 to 159 mm) height.
      3. Model LC + C4: 6-1/4 to 8-3/4 inches (159 to 222 mm) height.
      4. Model LC + 2x C4: 8-3/4 to 12 inches (222 to 305 mm) height.
      5. Model LC + 3x C4: 12 to 16 inches (305 to 407 mm) height.
      6. Model LC + 4x C4: 16 to 20 inches (407 to 508 mm) height.
      7. Model LC + 5x C4: 20 to 24 inches (508 to 610 mm) height.

\*\* NOTE TO SPECIFIER \*\* Delete the following section if Base Levelers are not required.

* + 1. Base Levelers: Model LD4. Placed beneath pedestals and adds approximately 1/4 inches (6 mm) to pedestal height.
       1. Slope Compensation: 1/4 inches per foot (2 percent). One LD4.
          1. Under all pedestal models.
       2. Slope Compensation: 1/2 inches per foot (4 percent). Two LD4s.
          1. Under all pedestal models.
       3. Slope Compensation: 1 inches per foot (8 percent). Four LD4s.
          1. Under all pedestal models.
       4. Not recommended for use under VT Fixed Height Pedestals.
       5. Physical Characteristics:
          1. Diameter: 8-3/8 inches (213 mm). Center point thickness 3/8 inches (10 mm).
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Shims are not required or delete models not required.

* + 1. Shims:
       1. Model B11: Flexible Shim 1/16 inches (1.5 mm). Material: Thermoplastic Elastomer.
          1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - 1. Model PS1: Rigid Shim 1/8 inches (3.2 mm)
         1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - * 1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Fastening Kits are not required or delete models not required.

* + 1. Fastening Kits:
       1. Model FS-1: Fastening Kit. Secures Bison Wood Tiles to Bison Pedestals without penetrating or damaging the Wood Tiles.
          1. Components: Washer, long screw, and short screw. Weight: 0.192 oz. (5.4 g).
          2. Material: Nylon.
          3. FS-1 with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model FS-12: Fastening Spline. Secures Bison Wood Tiles, or Paver Trays to Bison Pedestals without penetrating or damaging the Wood Tiles, Paver Trays, or selected pavers when greater lock-down force is required.
         1. Components: Spline, long screw, and short screw. Weight: 1.41 oz. (40 g).
         2. Length: 12 inches (305 mm). Tab: 3/16 inches (4.5 mm)
         3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
         4. FS-12 with Bison Paver Trays:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - * 1. FS-12-WT with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model BB-Wedge: Spacing wedge. Components: Two wedge pieces and one screw.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Joist Top accessory is not required.

* + 1. Joist Top:
       1. Model JT: Joist Top Attachment. Pedestal accessory to construct joist and plank decks. Accommodates 2 x and 4 x joists. Includes one screw.
       2. Adds 3/16 inches (4.5 mm) in height. Creates a base bearing surface for joist installation.
       3. For use with Bison Adjustable Pedestals,
       4. Not for use with Bison Fixed Height Pedestals.
       5. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if the Joist Saddle accessory is not required or delete model not required.

* + 1. Joist Saddle:
       1. Model JS: Joist Saddle Attachment. Pedestal accessory to construct joist and plank decks. Accommodates 2 x and 4 x joists. Includes one screw.
          1. Adds 1/2 inches (13 mm) in height. Creates a base bearing surface for joist installation.
          2. For use alone or on any Bison Pedestal, including Fixed Height Pedestals.
          3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
       2. Model JS-SNAPS: Joist Saddle Attachment: With snaps molded into the base for attachment to LO and LC Pedestal tops.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Pipe Jack accessory is not required. Contact Bison for additional information.

* + 1. Pipe Jack: Model PJ1. Pedestal accessory for pipe support. Pipes Sizes: 1/2 to 4 inches (13 to 102 mm) OD.
       1. Adds up to 11/16 inches (17 mm) in height.
       2. Creates a base bearing surface for pipes.
       3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Base Pads are not required or delete Models not required.

* + 1. Base Pads:
       1. Model FFB: Floating Foundation Base: Pedestal base pad for on-grade installations.
          1. Provides a 12 x 12 x 1/4 inches (305 x 305 x 6 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.
       2. Model FIB: Floating Insulation Base: Pedestal base pad required beneath Bison Pedestals to disperse the deck load over roofing systems with a compressive resistance of 20 to 40 psi (138 to 275 kPa).
          1. Provides a 12 x 12 x 7/16 inches (305 x 305 x 11 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
          3. Not recommended for use with VT or HD25 Fixed Height Pedestals.
       3. Model SP8: Sound Pad. Pedestal base pad for impact noise reduction.
          1. Provides an 8 x 8 x 1/8 inches (203 x 203 x 3.0 mm) base bearing surface.
          2. Weight: 3.9 oz. (111 g).
          3. Material: 92 percent Recycled Styrene-Butadiene Rubber (SBR).

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Bison Bracing is not required or delete models specified or delete models not required.

* + 1. Bison Bracing System: Mandatory for pedestals 24 to 36 inches (610 to 914 mm) in height.
       1. For Seismic, Wind Uplift, On-Grade, and Additional Stability Installations: As needed.
       2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.
       3. Model BB-BRACE: Brace kit.
          1. For use with 11-3/4 to 36 inch (298 to 914 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Braces can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 17 inch (432 mm) long brace pieces and BB-LATCHES.
       4. Model BB-FH: Fixed height brace kit
          1. For 8-1/2 to 25-1/2 inches (216 to 648 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Braces can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 12 inch (305 mm) long brace pieces and BB-SCREWS.
       5. Model BB-CONNECT: Fixed height brace connector,
          1. Allows for a braced transition between BB-FH and adjustable pedestal base with BB-PEGS.
          2. For use when transitioning from fixed height pedestals and fixed height bracing to adjustable pedestals and bracing, while ensuring a fully interconnected decking system.
       6. Model BB-PEG: Brace Peg: Individual pegs to be inserted into Pedestal Base which allow for secure BB-BRACE attachment via quick-clip locking mechanism.
          1. For Model Level.It Pedestals Receiving Bracing: Eight pegs required.

\*\* NOTE TO SPECIFIER \*\* Screwjack Series pedestals have a broad footprint that provides stability, is impervious to freeze thaw cycles, and offers a range of heights suited to almost any application. Precise spacer tabs allow for deck drainage, simple accessories adjust for slope, and the screw-to-adjust height setting assures a perfectly straight and level deck. The Bison Screwjack pedestal series reaches from 0 to 16 inches in height. Add bracing and couplers to reach up to 24 inches in height and the Weight Bearing Design Capacity is 1000 lbs/pedestal FS:2.

* 1. ADJUSTABLE DECK PEDESTALS AND ACCESSORIES - SCREWJACK

\*\* NOTE TO SPECIFIER \*\* Select and edit the following deck pedestal accessories as required and delete those not required.

* + 1. Applications / Scope: Furnish and installa completely adjustable pedestal deck system within the following parameters.
       1. ScrewJack Pedestals:
          1. Maximum Cavity Height without Additional Bracing: 24 inches (610 mm)
          2. Maximum Cavity Height with Bison Bracing System: 36 inches (914 mm)
          3. Not designed to support decks carrying vehicular traffic or equipment.

Includes but is not limited to snow removal equipment, ATV's, forklifts, or any other motorized vehicles.

* + - 1. Consult the Manufacturer and the Project Engineer Regarding the Following:
         1. Deck Tile or Concrete Paver Spacing: Exceeds 3/16 inches (4.5 mm).
         2. Required Pedestal Height: Exceeds 36 inches (914 mm).
         3. Required Pedestal Load Capacity: Exceeds 1000 lbs (454 kg) FoS:3 per pedestal.
         4. When considering pedestals for atypical material support; stairs, ramps, etc.
         5. When anticipating installation of any items with excess weight on top of the deck; planters, hot tubs, etc.
         6. When using Bison Pedestals on grade; soil.
    1. Screwjack Adjustable Pedestals:
       1. B-Series Base Model.
          1. General Details:

Weight Bearing Capacity: 1000 lbs (454 kg) FoS:3 per pedestal.

Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

* + - * 1. Pedestal Base Details:

Diameter: 7-7/8 inches (200 mm). Plate Thickness: 3/16 inch (4.5 mm).

Bearing Surface Area: 48.7 sq inches (314 sq cm).

Drainage Holes: Four, 3/4 inches (19 mm) diameter.

Holes for BB-PEGS: Eight, 1/2 inches (13 mm) diameter.

Compatible with LD4 slope compensator.

* + - * 1. Pedestal Top Details:

Diameter: 5-7/8 inch (149 mm). Plate Thickness: 3/16 inch (4.5 mm).

Bearing Surface Area: 27.1 sq inches (175 sq cm).

Drainage Holes: Four, 3/4 inches (19 mm) diameter.

* + - * 1. Spacer Tabs: Integral tabs maintain spacing between deck tiles or pavers.

Tab Thickness: 3/16 inches (4.5 mm).

\*\* NOTE TO SPECIFIER \*\* Delete the following option if Model C4 Coupler is not specified.

* + - 1. Model C4: Coupler. Adds up to 4 inches (102 mm) of height.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete pedestal models and coupler configurations not required.

* + - 1. Model B1: 1-1/4 to 2 inches (32 to 51 mm)
      2. Model B2: 2 to 3 inches (51 to 76 mm)
      3. Model B3: 3 to 4-3/4 inches (76 to 121 mm)
      4. Model B4: 4-3/4 to 7-3/4 inches (121 to 197 mm)
      5. Model B3 + C4: 7-3/4 to 9 inches (197 to 229 mm)
      6. Model B4 + C4: 9 to 12 inches (229 to 305 mm)
      7. Model B4 + 2 x C4: 12 to 16 inches (305 to 406 mm)
      8. Model B4 + 3 x C4: 16 to 20 inches (406 to 508 mm)
      9. Model B4 + 4 x C4: 20 to 24 inches (508 to 610 mm)
      10. Model B4 + 5 x C4: 24 to 28 inches (610 to 711 mm)
          1. Heights require bracing and eight BB-PEGS per pedestal.
      11. Model B4 + 6 x C4: 28 to 32 inches (711 to 813 mm)
          1. Heights require bracing and eight BB-PEGS per pedestal.
      12. Model B4 + 7 x C4: 32 to 36 inches (813 to 914 mm)
          1. Heights require bracing and eight BB-PEGS per pedestal.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Low Height Pedestals are not required or delete models not required.

* + 1. Low Height Pedestals:
       1. Model VT316 Fixed Height Pedestal:
          1. Diameter: 4-3/4 inches (121 mm). Tall: 1/8 inches (3.2 mm) tall.
          2. Bearing Surface: 17.7 sq inches (114 sq cm).
          3. Integral Spacer Tabs: 3/16 inches (4.5 mm).
          4. Slope Compensation: Not supported.
          5. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
       2. Model HD Fixed Height Pedestals:
          1. Model HD25: 1/4 inches (6 mm) tall. Stackable (4 Max).
          2. Model HD50: 1/2 inches (13 mm) tall. Stackable (4 Max).
          3. Model HD75: 3/4 inches (19 mm) tall. Stackable (4 Max).
          4. Diameter: 5-7/8 inches (149 mm). Wall Thickness: 3/32 inches (2.4 mm).
          5. Bearing Surface Area: 27.1 sq inches (175 sq cm).
          6. Integral Spacer Tabs: 3/16 inches (4.5 mm).
          7. Compatible with LD4 slope compensator; sold separately.
          8. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following section if Base Levelers are not required.

* + 1. Base Levelers: Model LD4. Placed beneath pedestals and adds approximately 1/4 inches (6 mm) to pedestal height.
       1. Slope Compensation: 1/4 inches per foot (2 percent). One LD4.
          1. Under all pedestal models.
       2. Slope Compensation: 1 inches per foot (8 percent). Four LD4s.
          1. Under Pedestal Models: B1, B2, B3, B4, HD25s, HD50s, or HD75s.
       3. Physical Characteristics:
          1. Diameter: 8-3/8 inch (213 mm). Center Point Thickness: 3/8 inch (10 mm).
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Shims are not required or delete models not required.

* + 1. Shims:
       1. Model B11: Flexible Shim 1/16 inches (1.5 mm). Material: Thermoplastic Elastomer.
          1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - 1. Model PS1: Rigid Shim 1/8 inches (3.2 mm)
         1. Use no more than two (2) shims per pedestal.

If using a segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.

* + - * 1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Fastening Kits are not required or delete models not required.

* + 1. Fastening Kits:
       1. Model FS-1: Fastening Kit. Secures Bison Wood Tiles to Bison Pedestals without penetrating or damaging the Wood Tiles.
          1. Components: Washer, long screw, and short screw. Weight: 0.192 oz. (5.4 g).
          2. Material: Nylon.
          3. FS-1 with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model FS-12: Fastening Spline. Secures Bison Wood Tiles, or Paver Trays to Bison Pedestals without penetrating or damaging the Wood Tiles, Paver Trays, or selected pavers when greater lock-down force is required.
         1. Components: Spline, long screw, and short screw. Weight: 1.41 oz. (40 g).
         2. Length: 12 inches (305 mm). Tab: 3/16 inches (4.5 mm)
         3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
         4. FS-12 with Bison Paver Trays:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - * 1. FS-12-WT with Bison Wood Tiles:

Bison Adjustable Pedestals: Use long screw.

Bison HD50 and HD75 Fixed Height Pedestals: Use short screw.

* + - 1. Model BB-Wedge: Spacing wedge. Components: Two wedge pieces and one screw.
         1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if the Joist Saddle accessory is not required.

* + 1. Joist Saddle:
       1. Model JS: Joist Saddle Attachment. Pedestal accessory to construct joist and plank decks. Accommodates 2 x and 4 x joists. Includes one screw.
          1. Adds 1/2 inches (13 mm) in height. Creates a base bearing surface for joist installation.
          2. For use alone or on any Bison Pedestal, including Fixed Height Pedestals.
          3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Base Pads are not required or delete Models not required.

* + 1. Base Pads:
       1. Model FFB: Floating Foundation Base: Pedestal base pad for on-grade installations.
          1. Provides a 12 x 12 x 1/4 inches (305 x 305 x 6 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent Post-industrial recycled material.
       2. Model FIB: Floating Insulation Base: Pedestal base pad required beneath Bison Pedestals to disperse the deck load over roofing systems with a compressive resistance of 20 to 40 psi (138 to 275 kPa).
          1. Provides a 12 x 12 x 7/16 inches (305 x 305 x 11 mm) base bearing surface.
          2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial recycled material.
          3. Not recommended for use with HD25 Fixed Height Pedestals.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if Bison Bracing is not required or delete models specified or delete models not required.

* + 1. Bison Bracing System: Mandatory for pedestals 24 to 36 inches (610 to 914 mm) in height.
       1. For Seismic, Wind Uplift, On-Grade, and Additional Stability Installations: As needed.
       2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison No. B-PP-2025. Contains 20 percent post-industrial material.
       3. Model BB-BRACE: Brace kit.
          1. For use with 11-3/4 to 36 inch (298 to 914 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 17 inch (432 mm) long brace pieces and BB-LATCHES.
       4. Model BB-FH: Fixed height brace kit
          1. For 8-1/2 to 25-1/2 inches (216 to 648 mm) wide pavers; center of pedestal to center of pedestal measurement.
          2. Braces can be trimmed to accommodate smaller pavers as required.
          3. Kit Contains: Two, 12 inch (305 mm) long brace pieces and BB-SCREWS.
       5. Model BB-CONNECT: Fixed height brace connector,
          1. Allows for a braced transition between BB-FH and adjustable pedestal base with BB-PEGS.
          2. For use when transitioning from fixed height pedestals and fixed height bracing to adjustable pedestals and bracing, while ensuring a fully interconnected decking system.
       6. Model BB-PEG: Brace Peg: Individual pegs to be inserted into ScrewJack Pedestal Base which allow for secure BB-BRACE attachment via quick-clip locking mechanism.
          1. For Model ScrewJack Pedestals Receiving Bracing: Eight pegs required.

\*\* NOTE TO SPECIFIER \*\* Delete peg model options not required.

* + - * 1. Peg Model: B1 BB-PEGS.
        2. Peg Model: B2 BB-PEGS.
        3. Peg Model: B3 BB-PEGS.
        4. Peg Model: B4 BB-PEGS
        5. ScrewJack with B.B-PEGS pre-inserted into Pedestal Base at the factory.

\*\* NOTE TO SPECIFIER \*\* Delete article if not required.

* 1. SURFACES

\*\* NOTE TO SPECIFIER \*\* Delete wood tiles paragraph if not required or delete model options not required. Bison offers the following FSC® wood deck tiles certified by the Forest Stewardship Council (FSC®). Bison wood tiles weather over time, developing a silvery-gray patina. If maintaining the natural wood color is desired, wood tiles can be periodically cleaned and sealed.

* + 1. Wood Tiles: Weight Bearing Capacity 1,250 lbs per tile.
       1. Model: WTIPE24 SMOOTH Ipe Wood Tile:
          1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
          2. Weight per Tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       2. Model WTIPE24 RIBBED Ipe Smooth Wood Tile:
          1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
          2. Weight per Tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       3. Model WTIPE3030-10 PLANK-SMOOTH Ipe Wood Tile:
          1. Dimensions: 29-7/8 x 29-7/8 x 1-11/16 inches (759 x 759 x 43 mm) nominal.
          2. Weight per tile: 34 lbs (15.4 kg). Weight per sq ft: 5.4 psf (26.4 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       4. Model WTIPE48-SMOOTH Ipe Wood Tile:
          1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm)
          2. Weight per tile: 48 lbs (21.8 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       5. Model WTIPE48-RIBBED Ipe Wood Tile:
          1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm)
          2. Weight per tile: 48 lbs (21.8 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       6. Model WTIPE48-ECO-SMOOTH Ipe Eco Tile:
          1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm)
          2. Weight per tile: 60 lbs (27.2 kg). Weight per sq ft: 7.5 psf (36.6 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       7. Model WTFSC-100 PERCENT-IPE24-8PLANK-SMOOTH FSC Ipe Wood Tile:
          1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
          2. Weight per tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       8. Model WTFSC-100 PERCENT-IPE24-AB-8PLANK-SMOOTH FSC Ipe AB Wood Tile:
          1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
          2. Weight per tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Brown. Tiles are a natural product with variations in color and grain.
       9. Model WTFSC-100 PERCENT-CUMARU24-8PLANK-SMOOTH FSC Cumaru Wood Tile:
          1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
          2. Weight per tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
          3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
          4. Color: Golden Brown. Tiles are a natural product with variations in color and grain.
       10. Model WTFSC-100 PERCENT-CUMARU48-8PLANK-SMOOTH FSC Cumaru Wood Tile:
           1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm).
           2. Weight per tile: 48 lbs (21.8 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
           4. Color: Golden Brown. Tiles are a natural product with variations in color and grain.
       11. Model WTFSC-100 PERCENT-GARAPA24-SMOOTH FSC Garapa Wood Tile:
           1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
           2. Weight per tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
           4. Color: Golden Brown. Tiles are a natural product with variations in color and grain.
       12. Model WTBAMBOO24-5PLANK-SMOOTH Bamboo Tile:
           1. Dimensions: 23-7/8 x 23-7/8 x 1.57 inches (607 x 607 x 40 mm) nominal.
           2. Weight per tile: 26 lbs (11.79 kg). Weight per sq ft: 6.5 psf (31.7 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E84 Flame Spread Test.
           4. Color: Dark Brown. Tiles are a natural product with variations in color and grain.
       13. Model WTITAUBA24-8PLANK-SMOOTH Itauba Wood Tile:
           1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
           2. Weight per tile: 18 lbs (8.16 kg). Weight per sq ft: 4.5 psf (21.97 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
           4. Color: Brown. Tiles are a natural product with variations in color and grain.
       14. Model WTTIGERWOOD24-8PLANK-SMOOTH Tigerwood Wood Tile:
           1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
           2. Weight per tile: 19 lbs (8.62 kg). Weight per sq ft: 4.8 psf (23.44 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
           4. Color: Brown. Tiles are a natural product with variations in color and grain.
       15. Model WTCUMARU24-8PLANK Cumaru Wood Tile:
           1. Dimensions: 23-7/8 x 23-7/8 x 1-11/16 inches (606 x 606 x 43 mm) nominal.
           2. Weight per tile: 24 lbs (10.9 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
           3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
           4. Color: Golden Brown. Tiles are a natural product with variations in color and grain.

\*\* NOTE TO SPECIFIER \*\* Delete surface option not required. Ribbed is a special order.

* + - * 1. Surface: Smooth.
        2. Surface: Ribbed.
      1. Model WTCUMARU48-8PLANK Cumaru Wood Tile
         1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm)
         2. Weight per tile: 48 lbs (21.8 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Golden Brown. Tiles are a natural product with variations in color and grain.

\*\* NOTE TO SPECIFIER \*\* Delete surface option not required. Ribbed is a special order.

* + - * 1. Surface: Smooth.
        2. Surface: Ribbed.

\*\* NOTE TO SPECIFIER \*\* The remaining tiles are special order only.

* + - 1. Model WTFSC-100 PERCENT-IPE48-SMOOTH FSC Ipe Wood Tile:
         1. Dimensions: 47-15/16 x 23-7/8 x 1-11/16 inches (1218 x 606 x 43 mm)
         2. Weight per tile: 48 lbs (21.8 kg). Weight per sq ft: 6 psf (29.3 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Brown. Tiles are a natural product with variations in color and grain.
      2. Model WTFSC-100 PERCENT-IPE72-SMOOTH FSC Ipe Wood Tile:
         1. Dimensions: 72 x 23-7/8 x 1-11/16 inches (1829 x 606 x 43 mm) nominal.
         2. Weight per tile: 71 lbs (32.2 kg). Weight per sq ft: 5.9 psf (28.8 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Brown. Tiles are a natural product with variations in color and grain.
      3. Model WTFSC-100 PERCENT -IPE96-SMOOTH FSC Ipe Wood Tile:
         1. Dimensions: 96-1/16 x 23-7/8 x 1-11/16 inches (2440 x 606 x 43 mm) nominal.
         2. Weight per tile: 88 lbs (39.9 kg). Weight per sq ft: 5.5 psf (26.8 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Brown. Tiles are a natural product with variations in color and grain.
      4. Model WTIPE72-6PLANK Ipe Wood Tile:
         1. Dimensions: 72 x 23-7/8 x 1-11/16 inches (1829 x 606 x 43 mm) nominal.
         2. Weight per tile: 71 lbs (32.2 kg). Weight per sq ft: 5.9 psf (28.8 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Brown. Tiles are a natural product with variations in color and grain.

\*\* NOTE TO SPECIFIER \*\* Delete surface option not required.

* + - * 1. Surface: Smooth.
        2. Surface: Ribbed.
      1. Model WTIPE96 Ipe Wood Tile:
         1. Dimensions: 96-1/16 x 23-7/8 x 1-11/16 inches (2440 x 606 x 43 mm) nominal.
         2. Weight per tile: 88 lbs (39.9 kg). Weight per sq ft: 5.5 psf (26.8 kg per sq m).
         3. Fire Rating: Class A. Meets and exceeds ASTM E108 Flame Spread Test.
         4. Color: Brown. Tiles are a natural product with variations in color and grain.

\*\* NOTE TO SPECIFIER \*\* Delete surface option not required.

* + - * 1. Surface: Smooth.
        2. Surface: Ribbed.
      1. Wood Tile Fasteners:

\*\* NOTE TO SPECIFIER \*\* Delete model option not required. The FS-12-WT Spline is used when greater lock-down force is required.

* + - * 1. Model: FS-1 Fastening Kit. Secures Bison Wood Tiles to Bison Pedestals without penetrating or damaging the wood tiles.

Components:

Washers.

Long Screws: For Bison Wood Tiles and Bison Adjustable Pedestals.

Short Screws: For HD50 and HD75 Fixed Height Pedestals.

Weight: 0.192 oz. (5.4 g).

Material: Nylon.

* + - * 1. Model: FS-12-WT Spline. Secures Bison Wood Tiles to Bison Pedestals without penetrating or damaging the wood tiles.

Components:

Spline.

Long Screws: For Bison Wood Tiles and Bison Adjustable Pedestals.

Short Screws: For HD50 and HD75 Fixed Height Pedestals.

Tab Size: 3/16 inches (4.5 mm).

Length: 12 inches (305 mm).

Weight: 1.41 oz. (40 g).

Material: Bison No. B-PP-2025. Mineral Filled Hight Density Copolymer Polypropylene. Contains 20 percent post-industrial recycled material.

Bison Paver Trays will not prevent surface materials from cracking, chipping, or breaking. Bison Paver Trays are designed to help prevent an individual from falling through the paver surface to the subsurface below. They are intended to support the surface material after absorbing impact for a limited time. To avoid further damage or injury, replace any cracked, chipped, or broken surface materials and the accompanying Bison Paver Trays as soon as possible. Bison Paver Tray are not intended to be reusable and must be replaced with a surface paver. Using with customer supplied surface materials, including but not limited to concrete, stone, porcelain, and/or ceramic pavers not sold by Bison, the customer must independently verify surface material product strength, span, weight bearing capacity, material compatibility, and suitability for the intended use. Wind Uplift Systems must be installed precisely according to separate Wind Uplift Engineering documents not included herein. Delete paragraph if not required or delete models not required.

* + - 1. Paver Trays: Weight Bearing Capacity 1,250 lbs per tile (FS:3)
      2. Confirm paver sizes in metric units prior to specifying paver trays. Trays can be combined to accommodate larger format pavers. See the Bison Paver Tray Assembly and Installation Guide for recommended configurations. Weight of Paver Trays represents a maximum weight, based on the recommended 1/8 inch diameter bead of provided 3M adhesive.
         1. Model PT-TRAY-2424-4:

Dimensions (LxWxH):23.43 x 23.43 x 0.35 (595 x 595 x 9 mm)

Paver Size:Fits 595-603 x 595-603 mm pavers.

Weight:6.02 lbs (2.73 kg).

Component Materials:

G90Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.12 lbs

* + - * 1. Model PT-TRAY-1818-4:

Dimensions (LxWxH): 17.52 x 17.52 x 0.35 (445 x 445 x 9 mm)

Paver Size: Fits 445-453 x 445-453 mm pavers.

Weight: 3.38 lbs (1.53 kg)

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.07 lbs

* + - * 1. Model PT-TRAY-2020-4:

Dimensions (LxWxH): 19.49 x 19.49 x 0.35 (495 x 495 x 9 mm)

Paver Size: Fits 495-503 x 495-503 mm pavers.

Weight: 4.18 lbs (1.90 kg)

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.09 lbs

* + - * 1. Model PT-TRAY-2412-4:

Dimensions (LxWxH): 23.43 x 11.61 x 0.35 (595 x 295 x 9 mm)

Paver Size: Fits 595-603 x 295-303 mm pavers.

Weight: 3.01 lbs (1.36 kg)

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.05 lbs

* + - * 1. Model PT-TRAY-2416-4:

Dimensions (LxWxH): 23.43 x 15.55 x 0.35 (595 x 395 x 9 mm)

Paver Size: Fits 595-603 x 395-403 mm pavers.

Weight: 4.00 lbs (1.81 kg).

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.08 lbs

* + - * 1. Model PT-TRAY-2418-4:

Dimensions (LxWxH): 23.43 x 17.52 x 0.35 (595 x 445 x 9 mm).

Paver Size: Fits 595-603 x 445-453 mm pavers.

Weight: 4.51 lbs (2.05 kg).

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.09 lbs

* + - * 1. Paver Tray Fastener: Model FS-12 Spline. Secures Bison Paver Trays to Bison Pedestals.

Components:

Spline.

Long Screws: For Bison Wood Tiles and Bison Adjustable Pedestals.

Short Screws: For HD50 and HD75 Fixed Height Pedestals.

Tab Size: 3/16 inches (4.5 mm).

Length: 12 inches (305 mm).

Weight: 1.41 oz. (40 g).

Material: Bison No. B-PP-2025. Mineral Filled Hight Density Copolymer Polypropylene. Contains 20 percent post-industrial recycled material.

\*\* NOTE TO SPECIFIER \*\* The Bison Paver Backer will not prevent any surface material from cracking, chipping, or breaking. The Bison Paver Backer is designed to help prevent an individual from falling through the paver surface to the subsurface below. It is intended to support the surface material after absorbing impact for a limited time. To avoid further damage or injury, the customer must replace any cracked, chipped, or broken surface materials and accompanying Bison Paver Backers as soon as possible. Backers are not intended to be a reusable product and must be replaced with the surface paver. When using Backers with customer supplied surface materials, including but not limited to concrete, stone, porcelain, and/or ceramic pavers not sold by Bison, the customer must independently verify surface material product strength, span, weight bearing capacity, material compatibility, and suitability for the intended use. Wind Uplift Systems must be installed precisely according to separate Wind Uplift Engineering documents not included herein. Backers are not compatible with fastening kits and does not provide wind uplift protection. Delete paragraph if not required or delete model options not required.

* + - 1. Paver Backer:
      2. Confirm your paver sizes in metric units prior to specifying Bison Paver Backers. Backers can be combined to accommodate larger format pavers. See the Bison Paver Backer Assembly and Installation Guide for recommended configurations. Weight of Paver Backers represents a maximum weight, based on the recommended 1/8 inches DIA. bead of provided 3M adhesive.
         1. Model PT-BACKER-2424:

Dimensions (LxWxH): 23.43 x 23.43 x 0.02 inches (595 x 595 x 0.6 mm).

Paver Size: Fits 595-603 x 595-603 mm pavers.

Weight: 3.05 lbs (1.38 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

* + - * 1. Model PT-BACKER-2418:

Dimensions (LxWxH): 23.43 x 17.52 x 0.02 inches (595 x 445 x 0.6 mm).

Paver Size: Fits 595-603 x 445-453 mm pavers.

Weight: 2.28 lbs (1.03 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

* + - * 1. Model PT-BACKER-2416:

Dimensions (LxWxH): 23.43 x 15.55 x 0.02 inches (595 x 395 x 0.6 mm).

Paver Size: Fits 595-603 x 395-403 mm pavers.

Weight: 2.02 lbs (0.92 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

* + - * 1. Model PT-BACKER-2412:

Dimensions (LxWxH): 23.43 x 11.61 x 0.02 inches (595 x 295 x 0.6 mm).

Paver Size: Fits 595-603 x 295-303 mm pavers.

Weight: 1.51 lbs (0.68 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

\*\* NOTE TO SPECIFIER \*\* Special order only.

* + - * 1. Model PT-BACKER-2020:

Dimensions (LxWxH): 19.49 x 19.49 x 0.02 inches (495 x 495 x 0.6 mm).

Paver Size: Fits 495-503 x 495-503 mm pavers.

Weight: 2.12 lbs (0.96 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

\*\* NOTE TO SPECIFIER \*\* Special order only.

* + - * 1. Model PT-BACKER-1818:

Dimensions (LxWxH): 17.52 x 17.52 x 0.02 inches (445 x 445 x 0.6 mm).

Paver Size: Fits 445-453 x 445-453 mm pavers.

Weight: 1.71 lbs (0.78 kg).

Component Materials:

G90 Galvanized 26 ga Sheet Steel.

Polyurethane Adhesive Sealant.

* + 1. Bison 2CM Pavers: Model PT-24-BISON:
       1. Must be used with Bison Model PT-TRAY-2424-4 when installed on Bison Pedestals.
       2. Color and Solar Reflectance Index (SRI):
          1. PT-24-BISON AXI BROWN CHESTNUT; SRI: 30.
          2. PT-24-BISON AXI GREY TIMBER; SRI: 29.
          3. PT-24-BISON AXI WHITE PINE; SRI: 63.
          4. PT-24-BISON SEASTONE GRAY; SRI: 34.
          5. PT-24-BISON BLOCK BIANCO; SRI: 65.
          6. PT-24-BISON MARK CHROME; SRI: 47.
          7. PT-24-BISON TRUST SILVER; SRI: 41.
          8. PT-24-BISON TRUST GOLD; SRI: 50.
          9. PT-24-BISON BLUESTONE; SRI: 34.
       3. Dimensions: 23.54 x 23.54 x 0.79 inches (598 x 598 x 20 mm).
       4. Weight:36.38 lbs (16.50 kg).
       5. Weight with Bison Paver Tray: 42.40 lbs (19.23 kg).
       6. Weight Distribution: 9.45 psf (46.14 kg per sq m).
       7. Weight Distribution with Bison Paver Tray: 11.03 psf (53.85 kg per sq m).
       8. Component Material: Porcelain.

\*\* NOTE TO SPECIFIER \*\* The Bison Paver Tray was designed and tested specifically for use under Bison 2CM Pavers. The Paver and Paver Tray System will not prevent Bison 2CM Pavers or any customer supplied surface material from cracking, chipping, or breaking. The Paver Tray is designed to prevent an individual from falling through the paver surface to the subsurface below. The Paver Trays support the surface material after absorbing impact for a limited time. To avoid further damage or injury, the customer must replace any cracked, chipped, or broken Bison 2CM Pavers and accompanying Trays as soon as possible. The Paver Tray is not intended to be a reusable product and must be replaced with a surface paver. Wind Uplift Systems must be installed precisely according to separate Wind Uplift Engineering documents not included herein.

* + - 1. Paver Tray: Weight Bearing Capacity 1,250 lbs per tile (FS:3)
      2. Confirm your paver sizes in metric units prior to specifying Bison Paver Trays. Bison Paver Trays can be combined to accommodate larger format pavers. See the Bison Paver Tray Assembly and Installation Guide for recommended configurations. Weight of Paver Trays represents a maximum weight, based on the recommended 1/8 inch diameter bead of provided 3M adhesive.
         1. Model PT-TRAY-2424-4:

Dimensions (LxWxH): 23.43 x 23.43 x 0.35 (595 x 595 x 9 mm)

Paver Size: Fits 595-603 x 595-603 mm pavers.

Weight: 6.02 lbs (2.73 kg).

Component Materials:

G90 Galvanized 20 ga Sheet Steel:

LEED Data: Contains the approximate following.

Scrap Steel: 55.2 percent.

Alloys and other Iron Units 41.3 percent.

Post-Consumer Recycled Content: 37.2 percent.

Pre-Consumer Recycled Content: 18.0 percent.

Polyurethane Adhesive Sealant:

Color: Grey.

VOC Content: 29.0 grams per L.

Service Temperature: Minus 40 to 194 degrees F.

Specific Gravity: 1.17 grams per cu cm

At 73 degrees F and 50 percent Relative Humidity:

Tack-Free Time: 50-90 minutes.

Cure Rate: 3/16 inches per 24 hrs

Shore A Hardness per ASTM C661: 45

Tensile Strength per ASTM D412: 450 psi

100 Percent Modulus per ASTM D412: 150 psi

Weight: 0.12 lbs

* + - * 1. Paver Tray Fastener: Model FS-12 Spline. Secures Bison Paver Trays to Bison Pedestals.

Components:

Spline.

Long Screws: For Bison Wood Tiles and Bison Adjustable Pedestals.

Short Screws: For HD50 and HD75 Fixed Height Pedestals.

Tab Size: 3/16 inches (4.5 mm).

Length: 12 inches (305 mm).

Weight: 1.41 oz. (40 g).

Material: Bison No. B-PP-2025. Mineral Filled Hight Density Copolymer Polypropylene. Contains 20 percent post-industrial recycled material.

* 1. SITE FURNISHINGS

\*\* NOTE TO SPECIFIER \*\* Delete paragraph below if specifying wood cubes or cube tops.

* + 1. Aluminum Cubes: integrate with Bison Pedestals. Aluminum cubes and cube trays contain recycled content and can contribute to LEED points. Bison Pedestals and Aluminum Cubes are proudly made in the USA.
       1. Low VOC sealants and powder coat finishes meet FDA reference Test Method 24, ASTM D2369 for determination for volatile content.

\*\* NOTE TO SPECIFIER \*\* Applies to all Bison aluminum cubes and cube tops. Delete color options not required. There are additional costs associated with custom colors.

* + - 1. Standard Aluminum Cube Colors and Finishes: Powder Coated.
         1. Color: Red.
         2. Color: Charcoal.
         3. Color: White.
         4. Color: Black.
         5. Color: Bronze.
         6. Color: Silver.
         7. Color: Forest Green.
         8. Color: Terracopper.
         9. Color: Midnight Blue.
         10. Color: Oxidized Zinc Patina.
         11. Color: \_\_\_\_\_\_\_\_. Custom.
         12. Color: As selected by Architect.
      2. Model CUBE-PC242420. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 23.88 x 23.88 x 20 inches (606 x 606 x 508 mm).
         2. Weight: 28 lbs (12.7 kg).
         3. Material:0.09 inch (2.3 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC242424. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 23.88 x 23.88 x 24 inches (606 x 606 x 610 mm).
         2. Weight: 30 lbs (13.6 kg)
         3. Material: 0.09 inch (2.3 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC242436. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 23.88 x 23.88 x 36 inches (606 x 606 x 914 mm).
         2. Weight: 42 lbs (19.1 kg)
         3. Material: 0.09 inch (2.3 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC482420. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 23.88 x 20 inches (1218 x 606 x 508 mm).
         2. Weight: 45 lbs (20.5 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC482424. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 23.88 x 24 inches (1218 x 606 x 610 mm).
         2. Weight: 50 lbs (22.7 kg)
         3. Material: 0.09 inches (2.3 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC482436. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 23.88 x 36 inches (1218 x 606 x 914 mm).
         2. Weight: 66 lbs (29.9 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC484820. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 47.94 x 20 inches (1218 x 1218 x 508 mm).
         2. Weight: 131 lbs (59.5 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC484824. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 47.94 x 24 inches (1218 x 1218 x 610 mm).
         2. Weight: 150 lbs (68.0 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC484836. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 47.94 x 47.94 x 36 inches (1218 x 1218 x 914 mm).
         2. Weight: 191 lbs (86.8 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC722420. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 72 x 23.88 x 20 inches (1829 x 606 x 508 mm).
         2. Weight: 85 lbs (38.6 kg)
         3. Material: 0.125 inch (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC722424. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 72 x 23.87 x 24 inches (1827 x 606 x 610 mm).
         2. Weight: 95 lbs (43.1 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC722436. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 72 x 23.88 x 36 inches (1827 x 606 x 914 mm).
         2. Weight: 125 lbs (56.7 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC962420. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 96.06 x 23.88 x 20 inches (2440 x 606 x 508 mm).
         2. Weight: 165 lbs (74.8 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC962424. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 96.06 x 23.88 x 24 inches (2440 x 606 x 610 mm).
         2. Weight: 185 lbs (83.9 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-PC962436. Bison Powder Coated Aluminum Cube:
         1. Dimensions (LxWxH): 96.06 x 23.88 x 36 inches (2440 x 606 x 914 mm).
         2. Weight: 240 lbs (108.9 kg)
         3. Material: 0.188 inches (4.8 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete optional special order if not required.

Drainage fittings.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-TRAY241202. Bison Silver Powder Coated Aluminum Tray:
         1. Dimensions (LxWxH): 23.88 x 11.94 x 1.69 inches (606 x 303 x 43 mm).
         2. Weight: 5 lbs (2.3 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes.
         6. Mounting: Free standing.
         7. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

* + - 1. Model CUBE-TRAY481202. Bison Silver Powder Coated Aluminum Tray:
         1. Dimensions (LxWxH): 47.94 x 11.94 x 1.69 inches (1218 x 303 x 43 mm).
         2. Weight: 10 lbs (4.5 kg)
         3. Material: 0.125 inches (3.2 mm) thick aluminum.
         4. Recycled Content: 20 percent recycled content and 100 percent recyclable.
         5. Drainage: Drainage holes.
         6. Mounting: Free standing.
         7. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraph if not required.

* + 1. Wood Cubes and Tops:
       1. Model CUBE-IPE242417-LINED. Bison Ipe Wood Cube:
          1. Dimensions (LxWxH): 23.88 x 23.88 x 16.75 inches (606 x 606 x 425 mm).
          2. Weight: 70 lbs (31.8 kg).
          3. Material: Ipe hardwood.
          4. Liner: Polyurethane.
          5. Drainage: Drainage holes.

\*\* NOTE TO SPECIFIER \*\* Delete optional paragraph if not required.

Drainage fittings.

* + - * 1. Do not use bamboo or plants that have aggressive root systems with Ipe Wood Cubes.
        2. Finish: Natural wood.

Small checks and splits are normal and a natural part of the wood.

Wood stabilizers or sealants can preserve color, help mitigate the loss of moisture, and minimize checking and splitting.

\*\* NOTE TO SPECIFIER \*\* Delete mounting option not required.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals:

Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along sides of Cube to support anticipated weights.

* + - 1. Model CUBE-IPE482417-LINED. Bison Ipe Wood Cube:
         1. Dimensions (LxWxH): 47.94 x 23.88 x 16.75 inches (1218 x 606 x 425 mm).
         2. Weight: 124 lbs (56.2 kg).
         3. Material: Ipe hardwood.
         4. Liner: Polyurethane.
         5. Drainage: Drainage holes.

\*\* NOTE TO SPECIFIER \*\* Delete optional paragraph if not required.

Drainage fittings.

* + - * 1. Do not use bamboo or plants that have aggressive root systems with Ipe Wood Cubes.
        2. Finish: Natural wood.

Small checks and splits are normal and a natural part of the wood.

Wood stabilizers or sealants can preserve color, help mitigate the loss of moisture, and minimize checking and splitting.

\*\* NOTE TO SPECIFIER \*\* Delete mounting option not required.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals:

Place corner of Cube onto a Bison Pedestal as directed in installation instructions.

Place one or more Pedestals in the center or along sides of Cube to support anticipated weights.

* + - 1. Model CUBE-TOP-IPE2424. Bison Single Ipe Cube Top:
         1. Model CUBE-TOP-IPE2424: Top is placed on an Ipe Wood Cube.

Weight: 22 lbs (10 kg)

* + - * 1. Model CUBE-TOP-IPE2424-AL: Top is placed on an Aluminum Cube.

Weight: 21 lbs (9.5 kg)

* + - * 1. Dimensions (LxWxH): 23.88 x 23.88 x 1.575 inches (606 x 606 x 40 mm).
        2. Top adds 0.75 inches (19 mm) to Cube height.
        3. Material: Ipe hardwood.
        4. Storage: Weather resistant, not watertight.
        5. Finish: Natural wood.

Small checks and splits are normal and a natural part of the wood.

Wood stabilizers or sealants can preserve color, help mitigate the loss of moisture, and minimize checking and splitting.

* + - * 1. Mounting: Place on top of Cube.
      1. Model CUBE-TOP-IPE2448. Bison Double Ipe Cube Top:
         1. Model CUBE-TOP-IPE2448: Top is placed on an Ipe Wood Cube.

Weight: 43 lbs (19.5 kg).

* + - * 1. Model CUBE-TOP-IPE2448-AL: Top is placed on an Aluminum Cube.

Weight: 41 lbs (18.6 kg).

* + - * 1. Dimensions (LxWxH): 47.94 x 23.88 x 1.575 inches (1218 x 606 x 40mm).
        2. Top adds 0.75 inches (19 mm) to Cube height.
        3. Material: Ipe hardwood.
        4. Storage: Weather resistant, not watertight.
        5. Finish: Natural wood.

Small checks and splits are normal and a natural part of the wood.

Wood stabilizers or sealants can preserve color, help mitigate the loss of moisture, and minimize checking and splitting.

* + - * 1. Mounting: Place on top of Cube.
    1. Custom Cube Products:
       1. Model CUBE-CUSTOM. Bison Custom Cube Products:
          1. Dimensions (LxWxH): \_\_\_ x \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ x \_\_\_ x mm)

\*\* NOTE TO SPECIFIER \*\* Delete material option not required.

* + - * 1. Material: Powder Coated Aluminum Cube

Drainage: Drainage holes and irrigation sleeve.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

Color: Red.

Color: Charcoal.

Color: White.

Color: Black.

Color: Bronze.

Color: Silver.

Color: Forest Green.

Color: Terracopper.

Color: Midnight Blue.

Color: Oxidized Zinc Patina.

Color: \_\_\_\_\_\_\_\_. Custom.

Color: As selected by Architect.

* + - * 1. Material: Ipe Wood.

\*\* NOTE TO SPECIFIER \*\* Specific wood species may be available. Contact Manufacture.

Finish: Natural wood.

Liner: Polyurethane lining standard.

Drainage: Drainage holes standard.

\*\* NOTE TO SPECIFIER \*\* Delete mounting option not required.

* + - * 1. Mounting: Free standing.
        2. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions. In addition, place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.
      1. Model CUBE TOP - CUSTOM. Bison Custom Cube Products:
         1. Dimensions (LxWxH): \_\_\_ x \_\_\_ x \_\_\_ inches (\_\_\_ x \_\_\_ x \_\_\_ x mm)
         2. Material: Ipe Wood.

\*\* NOTE TO SPECIFIER \*\* Specific wood species may be available. Contact Manufacture.

Finish: Natural wood.

Liner: Polyurethane lining standard.

Drainage: Drainage holes standard.

\*\* NOTE TO SPECIFIER \*\* Delete mounting option not required.

* + - * 1. Mounting: On Bison Pedestals. Place corner of Cube onto a Bison Pedestal as directed in installation instructions. In addition, place one or more Pedestals in the center or along the sides of the Cube to support anticipated weights.
        2. Mounting: Place on top of Cube.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until the substrates have been properly prepared.
      2. The substrate must be clean and free of projections and debris that could impair the performance of the pedestals or the total deck system.
      3. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      2. Clean surfaces thoroughly prior to installation.
      3. Establish accurate lines, levels and pattern.
      4. Verify that substrate to receive the deck supports is structurally capable of carrying the dead and live loads anticipated.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. For roof top applications provide the support required for each pedestal to create an adequate bearing surface using the method specified. Locate on the grid of each pedestal and where each measured grid line meets the perimeter.
      3. For on-grade applications provide the support required for each pedestal to create an adequate bearing surface using the method specified. Locate on the grid of each pedestal and where each measured grid line meets the perimeter.
      4. Adjust each deck support to a ;top of pedestal inches elevation marked around the perimeter.
      5. Place deck supports along the grid lines. On larger decks, pedestals should be pre-sorted and pre-set to the proper elevation and placed in position prior to the installation of pavers or tiles.
      6. As the deck supports are placed and loaded with pavers or tiles, fine vertical adjustment can be made by rotating the base or bottom of the deck support. Clockwise rotation of the pedestal base will raise the bearing surface and the deck. Counter- clockwise rotation will lower the top bearing surface.
      7. Pedestals have built in height limit indicator ' bumps'. When the pedestal is fully extended, height limit indicator "bumps" will be felt and heard, indicating the maximum height of the pedestal. Do not extend pedestal beyond the height limit indicators. Always maintain adequate thread engagement. Never over extend any pedestal.
      8. Use shims to compensate for slight irregularities in decking panel thickness. Place on top of the pedestal, under the corners of the decking tile or paver. Use no more than 2 shims on top of the pedestal and always adhere 1/4 wedges with construction adhesive.
      9. Stackable Fixed Height Pedestals: Complete deck and grid layout as required. Stack no more than 4 fixed height pedestals together and place in lieu of adjustable pedestals where needed. Spacer tabs can be removed to accommodate perimeter and corner support locations.

\*\* NOTE TO SPECIFIER \*\*Include the following two paragraph for use with the Versadjust Series Pedestal System. Delete if not required.

* + 1. V Series Slope Compensation:
       1. Use integrated base leveler disks to compensate for up to 1/2 inch per foot slope. Additional slope compensation can be added by placing two additional LD4 disks under the pedestal base to compensate for up to 1 inch per foot of slope.
       2. Place the thickest edge of the disk (located on the edge by a small finger tab) at the down slope side of the deck support, one disk compensates for 1/4 inch per foot of slope. Using two to four disks, rotate one in relation to the other to create a level deck support.
       3. Shims may be used in multiples, whole or segmented, and placed under the base to level the deck support.
       4. All shims under a pedestal must be adhered to each other or the pedestal (NOT to the roofing membrane) with construction adhesive. Shim no more than 1/8 inch (3 mm) beneath each pedestal.
       5. On top of a pedestal: Use no more than 2 shims.
    2. Bison Pedestal Bracing:
       1. Pedestal bracing is required for added stability for Installations 24 inches - 36 inches in height and for Installations requiring additional stability.
       2. BB - S Short Bison Brace: Install around the outside perimeter of a walk deck where pedestals are installed where less than the typical 24 inch spacing occurs and shorter arms are required.
       3. BB - L Long Bison Brace: Install in the interior area of a walk deck where pedestals and 23-7/8 inch by 23-7/8 inch surfacing panels are installed providing uniform 24 inch spacing.
       4. Do not install deck surfacing panels until Bison Braces are properly installed.

\*\* NOTE TO SPECIFIER \*\*Include the following paragraph for use with the Level.It and ScrewJack Series Pedestal System. Delete if not required.

* + 1. Slope Compensation:
       1. Use a base leveler disk to level the pedestal base. Place one to four disks under the pedestal base to compensate for up to 1 inch per foot of slope. Compensate for slope by placing the disks' thickest edge (located on the edge by a small finger tab) at the down slope side of the deck support, one disk compensates for 1/4 inch per foot of slope. Using two to four disks, rotate one in relation to the other to create a level deck support.
       2. Shims may be used in multiples, whole or segmented, and placed under the base to level the deck support.
       3. Under a pedestal: All shims under a pedestal must be adhered with construction adhesive to each other - never to the membrane. Shim no more than 1/8 inch (3mm) beneath each pedestal.
       4. On top of a pedestal: Use no more than 2 shims.
    2. Deck Support Placement And Final Adjustment:
       1. Deck supports and deck surface panels shall be placed in accordance with the pedestal manufacturers written instructions. Use of paver lifters, is recommended.
       2. Pedestals are designed to be rotated for final slight adjustment when pedestals are fully loaded. Deck supports should be leveled in each succeeding row as the installation proceeds.
       3. Final height adjustment or maintenance is easily made by rotating the base in a clockwise or counterclockwise direction to raise or lower the deck surface material.
       4. Additional sections of shims may be used and should be available for regular maintenance. Shims may be used in multiples, whole or segmented, and placed under the base or on top the pedestal to level the deck support.
       5. On top of pedestal use construction adhesive to adhere sections of shims. Construction adhesive is not required when using whole shims on top of a pedestal.
       6. Beneath a pedestal use a small amount of construction adhesive to adhere sections of shims and/or whole shims to each other or to the pedestal. Unless specified to do so, DO NOT use construction adhesive to adhere pedestal or shims to insulation, roofing, or waterproofing membrane.
    3. Perimeter Containment:
       1. Any area of a deck that is not restrained by a parapet or foundation wall must be ' boxed-in' and contained. Deck panels will move if all sides are not adequately restrained.
       2. Perimeter containment located at the outside of the deck must be installed to provide restraint. No movement should be allowed at the perimeter of the deck system greater than 1/8 inch.
  1. FIELD QUALITY CONTROL
     1. Inspect frequently during installation to assure that grid spacer lines are being maintained in a straight and consistent pattern and that deck panels or pavers are level and not rocking.
     2. Confirm that deck pedestal height does not exceed the specified height for the V Series:
     3. Inspect to assure that all paver spacing between tiles and at perimeter containment does not exceed a 1/8 inch. Particular attention should be made to assure that all pedestrian entry or access points to the deck are level and that the deck surface tiles are not randomly raised or uneven creating a tripping or safety hazard.
  2. PROTECTION
     1. Protect installed products until completion of project.
     2. Touch-up, repair or replace damaged products before Substantial Completion.
  3. CLEANING AND ADJUSTING
     1. Tile Cleaning: Clean wood tiles at the completions of the installation using methods and materials recommended by the tile manufacturer.
     2. Wood Tile Sealing: Seal wood tiles at the completions of the installation using methods and materials recommended by the wood tile manufacturer.
     3. Instruct the Owner about performing routine maintenance of the deck. Check for rocking pavers and adjust or shim immediately. Substrates can settle and pedestals may have to be readjusted. Failure to do so can cause a tripping hazard. Periodically check spacer tabs and immediately replace broken tabs to limit deck movement. Make sure the edge restraint stays intact and structurally sound.
  4. PROTECTION
     1. Protect installed products until completion of project.
     2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION