



The Bison ScrewJack 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. Precise spacer tabs allow for deck drainage and uniform spacing, 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 1/8 to 24 inches in height. Add bracing and couplers to reach up to 36 inches in height. Made in the U.S.A.

NOTE: Bison ScrewJack Pedestals are sold exclusively in the U.S.A. through Oldcastle Westile.

ScrewJack B-Series Specification

SECTION 065200 – Plastic Structural Assemblies

PART 1 GENERAL

1.1 SECTION INCLUDES

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

- ScrewJack Adjustable Pedestals
- Fixed Height Pedestals
- Bison Bracing

1.2 RELATED SECTIONS

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

- Section 061500 – Wood Decking
- Section 065300 – Plastic Decking
- Section 067313 – Composite Structural Decking
- Section 075000 – Membrane Roofing
- Section 077246 – Roof Walkways
- Section 077616 – Roof Deck Pavers
- Section 096900 – Access Flooring
- Section 096919 – Stringerless Access Flooring
- Section 096933 – Low-Profile Fixed Height Access Flooring

1.3 REFERENCES

**** NOTE TO SPECIFIER **** Delete references from the list below that are not actually required by the text of the edited section.

- ASTM D 1238-04 – Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
- ASTM D 792-00 – Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
- ASTM D 638-03 – Standard Test Method for Tensile Properties of Plastics
- ASTM D 2240-00 – Standard Test Method for Rubber Property-Durometer Hardness
- ASTM D 5420 – Impact Resistance (Gardner Impact)
- ASTM D 1929-10 – Standard Test Method for Determining Ignition Temperatures of Plastics (both FIT and SIT designations)
- ASTM D 2843 – Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics
- ASTM D 635 – Standard Test Method for Rate of Burning and/or Extent and Time of Burning Plastics in a Horizontal Position
- ASTM D 256-06 – Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
- ASTM D 790-03 – Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics
- ASTM D 648-06 – Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position
- ASTM D 543 – Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents (NaOH and HCl)
- ASTM G 155-04 – Accelerated Weathering/ Light Exposure using Xenon Arc Light Apparatus for Non-Metallic Materials
- FBC TAS 110-2000 – Testing Requirements for Physical Properties of Roof Membranes, Insulation, Coatings, and Other Roofing Components
- UL 790 – Tests for Fire Resistance of Roof Covering Materials (equivalent to ASTM E108-04)
- UL 94 – Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

1.4 SUBMITTALS

- A. Submit under provisions of Section 013300.
- B. 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 methods.
- C. Shop Drawings: Submit shop drawings detailing the installation methods. Coordinate placement with locations noted on the Contract Drawings.
- D. Fire Resistance Ratings: As required for exterior pedestal supported deck system by the presiding jurisdiction.
- E. Wind Uplift Ratings: As required for exterior air permeable pedestal supported deck systems by the presiding jurisdiction.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten (10) years' experience.
- B. Installer Qualifications: The deck support system installer must have a minimum of two (2) years' proven construction experience, be capable of estimating and building from blueprint plans and details, determine elevations, and properly handle materials. All work must comply with the Bison installation application procedures for deck support work specified herein.

**** NOTE TO SPECIFIER **** Retain section 1.5C if the Pedestal System is installed over a roofing or waterproofing membrane. Delete if not required.

- C. Special Considerations: The contractor assumes the responsibility for and must take into consideration the structural capability and adequacy of the structure to carry the dead and live load weight(s) involved, and that the density of any insulation is satisfactory to resist crushing and damaging the waterproofing membrane.
- D. The Bison Pedestal System is not intended to be part of a ballasted roofing system and does not shield the underlying roofing system from wind or other loads. The underlying roofing system must be capable of resisting the full design wind or other loads appropriate for a specific project.

**** NOTE TO SPECIFIER **** Include a mock-up if the project size and/or quality warrant such 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. Make changes as necessary.

- E. 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 is approved by Architect (if applicable).
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Inspect all delivered materials to insure they are undamaged and in good condition.
- B. Deliver and store Bison pedestals and system components with labels intact and legible.
- C. Store Bison products in an enclosed or covered area protected from the elements as site conditions allow.
- D. Store and dispose of solvent-based materials such as construction adhesive, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. There are no pedestal installation temperature restriction guidelines other than the practical considerations of working in any unsafe condition or inclement weather.
- B. Pedestals specified are for pedestrian traffic only.
- C. Perimeter Walls and Containment:
 - 1. Decks must be restrained by perimeter blocking or walls on all sides including "on-grade" installations. Lateral movement greater than one-tab set (not to exceed 3/16 inch or 4.5 mm) is unacceptable and will be subject to rejection.
 - 2. It is recommended that the deck surfacing tiles or pavers sit above the waterproofing, integral flashing, and/or counter flashing. In situations where the perimeter of the deck comes into contact with the flashing material, protective wall covering should be specified if deemed necessary by specifier.

**** NOTE TO SPECIFIER **** Retain 1.7D if the pedestal system is being installed with other large features such as planters, heavy benches, water features, hot tubs, etc.

- D. Heavy Roof Top and Flat Bottom Features require individual support in addition to the deck pedestal system.
 - 1. A minimum of one additional pedestal must be installed for every 500 lbs. (or portion thereof) of static loading. These additional support pedestals must be installed directly under the decking and evenly spaced immediately below the feature locations. One additional pedestal must be placed under each corner of any rectangular feature.
 - 2. When installing Bison Cubes, additional support may be needed under the center and corners of the cubes depending on the size and anticipated weight loads.
 - 3. Features supported by legs or feet are not advised or are considered unacceptable because of the dangers of point loading.
 - 4. Any feature that creates vibration must be provided for in special consultation and written agreement with Bison. Cell phone towers, heavy planters and other similar features require their own separate curb designed by an architect or professional engineer.
- E. All decks shall be designed to not exceed the design capacity of the pedestal.
- F. The substrate immediately below the pedestals shall provide positive drainage.

**** NOTE TO SPECIFIER **** Retain 1.7G-1.7H if the pedestal system is being installed over a roofing or waterproofing membrane. Delete if not required. Retain either 1.7I (insulation density 20-40 psi) or 1.7J (insulation density >40psi)

- G. 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.
- H. It's recommended that a 12 x 12 inch piece of installed membrane be used as a separate protective slip sheet underneath each pedestal.
- I. Pedestals must be supported by a surface that provides 40 psi bearing capacity. Membranes installed over rigid insulation board typically incorporate 20 psi density insulation which requires additional pedestal for adequate load bearing of 40 psi.
 - 1. Suggested methods to accomplish the noninvasive and required support:
 - a. Incorporate one of the thin Cap Bearing Protective Layer Insulation specifications that call for a very thin protective layer to be installed on top of the common 20 psi insulation. Such a cap type insulation product is commonly formed as a thin dense low-foamed polyisocyanurate layer and provides the necessary pedestal support.
 - b. Bison Model FIB Pedestal Base: Install an enlarged base that supports the pedestal to distribute the anticipated loaded weight of a pedestal over an enlarged area. Bison manufacturers the Floating Insulation Base (Model FIB) for this purpose. Model FIB is specifically designed to be directly installed over Type 1 roof systems that incorporate 20 psi common insulation boards.
 - c. Insulation above the Membrane: Install a 1 ½ inch thick (min.) layer of dense, closed cell 40 psi (min.) extruded cell poly-styrene insulation board above the common roofing system that has buried insulation to provide support for the pedestal system.
- J. Bison Pedestals can be installed directly on top of gravel removed 40 psi, or greater, extruded closed cell polystyrene insulation with 1 ½ inch thickness or greater. Install deck system pedestals directly on the insulation prior to the installation of ballast rock. Seek alternative methods of ballasting until deck installation is completed.

**** NOTE TO SPECIFIER **** Retain 1.7K if the pedestal system is installed on-grade (soil). Delete if not required.

- K. Decks on Grade:
 - 1. Any substrate soil receiving pedestals shall be adequately compacted and have positive drainage slope. A "walkway gravel" base (i.e.: ¼ inch minus (breeze)) should be installed and compacted at pedestal locations.
 - 2. Bison Floating Foundation Bases (FFB) *must be used beneath* all on-grade Bison Pedestal decks. Level the soil surface and install FFB directly on grade as a base for each pedestal.
 - 3. Install structural perimeter containment which restrains the entire decking system. Spacing in excess of one tab set (not to exceed 3/16 inch or 4.5 mm) at the perimeter is considered unacceptable and installation will be rejected.

1.8 WARRANTY

- A. At project closeout and upon request, Bison Pedestals can provide to the Owner or Owners Representative, an executed copy of the manufacturer's standard document outlining the terms, conditions and limitations of their limited warranty against manufacturing defect for a period of five (5) years.
- B. The Contractor warrants that his work will remain free from defects of labor and materials used in conjunction with his work in accordance with the General Conditions for this project or a minimum of five (5) years.
- C. 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.
- D. For use with pedestrian traffic only – Never use Bison pedestals to support or construct decks that have wheeled, motorized or equipment traffic.
- E. Decks should be restrained on all sides and not have lateral movement in excess of one tab set (not to exceed 3/16 inch or 4.5 mm).
- F. Deck must be installed according to specifications or warranty is voided.

1.9 MANUFACTURERS

**** NOTE TO SPECIFIER **** Retain one of the following paragraphs 1.9A-C; to coordinate with requirements of Division 1 section on product options and substitutions.

- A. Acceptable Pedestal System Manufacturer: Bison Innovative Products; 701 Osage Street, Unit 120, Denver, CO 80204
Toll Free: 800-333-4234 Phone: 303-892-0400 Fax: 303-825-5988 Email: info@bisonip.com Web: www.bisonip.com.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 012500.

PART 2 PRODUCTS**2.1 APPLICATIONS/SCOPE**

Furnish and install a complete adjustable pedestal deck support system with a maximum cavity height of up to:

- A. ScrewJack Pedestals maximum cavity height 24 inches (610 mm) without additional bracing; up to 36 inches (914 mm) with available Bison Bracing System.
- B. Pedestals are not designed for supporting decks that carry vehicular traffic or equipment including but not limited to snow removal equipment, ATV's, forklifts, or any motorized vehicles.
- C. Consult the manufacturer and the Project Engineer regarding the following:
 - 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 a raised deck (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 Bison Pedestals on grade (soil).
 - 7. When greater pedestal load capacity is required.

**** NOTE TO SPECIFIER **** Delete the entire next article if ScrewJack Pedestals are not specified.

2.2 SCREWJACK ADJUSTABLE PEDESTALS

- A. ScrewJack (B-Series) Base Model:
 - 1. General Pedestal Details:
 - 2. Height Range: 1/8 to 36 inches* (*Cavity heights from 24 to 36 inches require additional Bison Bracing components).
 - 3. Weight Bearing Design Capacity: 1,000 lbs./pedestal (FS:3).
 - 4. Integral 3/16 inch (4.5mm) spacer tabs.
 - 5. Made in the U.S.A.
- B. Pedestal Base Details:
 - 1. Size: 7 7/8 inch (200mm) diameter x 3/16 inch (4.75mm) top wall thickness.
 - 2. Bearing Surface Area: 48 in² (310 cm²).
 - 3. Four (4) 3/4 inch (19mm) diameter holes for drainage.
 - 4. Eight (8) 1/2 inch (13mm) diameter holes for BB-PEGS.
 - 5. Material: Mineral Filled High Density Copolymer Polypropylene #B-PP-2025.
 - 6. Contains 20% post-industrial recycled material.
- C. Pedestal Top Details:
 - 1. Size: 5/32 inch (4mm) thick plate; 5 7/8 inch (149 mm) diameter.
 - 2. Bearing Surface Area: 29 in² (187 cm²) nominal.
 - 3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 - 4. Contains 20% post-industrial recycled material.

**** NOTE TO SPECIFIER **** Retain only model(s) specified from the available options listed below.

- D. Model B1: 1 1/4 to 2 inches (32mm to 51mm)
 - E. Model B2: 2 to 3 inches (51mm to 76mm)
 - F. Model B3: 3 to 4 3/4 inches (76mm to 121mm)
 - G. Model B4: 4 3/4 to 7 3/4 inches (121mm to 197mm)
 - H. Model B3 + C4: 7 3/4 to 9 inches (197mm to 229mm)
 - I. Model B4 + C4: 9 to 12 inches (229mm to 305mm)
 - J. Model B4 + 2 x C4: 12 to 16 inches (305mm to 406mm)
 - K. Model B4 + 3 x C4: 16 to 20 inches (406mm to 508mm)
 - L. Model B4 + 4 x C4: 20 to 24 inches (508mm to 610mm)
 - M. Model B4 + 5 x C4: 24 to 28 inches (610mm to 711mm)*
 - N. Model B4 + 6 x C4: 28 to 32 inches (711mm to 813mm)*
 - O. Model B4 + 7 x C4: 32 to 36 inches (813mm to 914mm)*
- (*Heights in excess of 24 inches require bracing and eight (8) BB-PEGS per pedestal.)

**** NOTE TO SPECIFIER **** Delete the next paragraph if Model C4 Coupler is not specified.

- P. Model C4 Coupler: Adds up to 4 inches (102 mm) of height.
 1. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 2. Contains 20% post-industrial recycled material.

**** NOTE TO SPECIFIER **** Delete the next paragraph if Fixed Height Pedestals are not required. Retain only model(s) specified from the four available options.

2.3 LOW HEIGHT PEDESTALS

- A. Model VT316 Fixed Height Pedestal:
 1. Diameter: 4 ¾ inches (121 mm) diameter x 1/8 inch (3.175mm) tall.
 2. Bearing Surface 17.7 in² (114 cm²).
 3. Integral Spacer Tabs: 3/16 inch.
 4. Does not accommodate slope compensation.
 5. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 6. Contains 20% post-industrial recycled material.
- B. Model HD Fixed Height Pedestals:
 1. Diameter: 6 inches (152 mm) diameter x 3/32 inch wall thickness.
 2. Bearing Surface Area: 27.7 in² (179 cm²).
 3. Integral Spacer Tabs: 3/16 inch.
 4. Does not include slope compensation. Can accommodate Model LD4 for ¼ inch per foot slope compensation.
 5. Material: Model HD25 Thermoplastic Elastomer / HD50 and HD75 Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 6. Contains 20% post-industrial recycled material.
- C. Model: HD25-316 Stackable (4 Max) 1/4 inch (6.4mm) tall, with integral 3/16 inch spacer tabs
- D. Model: HD50-316 Stackable (4 Max) 1/2 inch (13mm) tall, with integral 3/16 inch spacer tabs
- E. Model: HD75-316 Stackable (4 Max) 3/4 inch (19mm) tall, with integral 3/16 inch spacer tabs

**** NOTE TO SPECIFIER **** Delete the next paragraph if Leveler Disks are not required. Retain only model(s) specified from the two available options.

2.4 BASE LEVELER DISKS

- A. Model LD4: Placed beneath pedestals to compensate for slopes up to 1 inch per foot.
 1. Slope: 1/4 inch per foot. Stack up to four LD4s under one pedestal for up to 1 inch of slope compensation.
 2. Dimensions: Center point thickness 3/8 inch (9.5mm).
 3. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 4. Contains 20% post-industrial recycled material.

**** NOTE TO SPECIFIER **** Delete the next paragraph if Shims are not required. Retain only model(s) specified from the two available options.

2.5 SHIMS

- A. Model B11: Flexible Shim 1/16 inch
 1. Use no more than 4 shims. If using only 1/4 segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.
 2. Material: Thermoplastic Elastomer.
- B. Model PS1: Rigid Poly Shims 1/8 inch
 1. Use no more than 2 shims. If using only 1/4 segment, adhere it to the pedestal with construction adhesive. Ensure the adhesive does not contact the roofing membrane.
 2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 3. Contains 20% post-industrial recycled material.
- C. Model BB-Wedge: Spacing Wedge
 1. For use when more rigid or more bearing surface is required by the tab sets.
 2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 3. Contains 20% post-industrial recycled material.

**** NOTE TO SPECIFIER **** Delete the next paragraph if Base Pads are not required. Retain only model(s) specified from the available options.

2.6 BASE PADS

- A. Model FFB: Pedestal base pad for on-grade installations.
 1. Provides a large 12 x 12 x ¼ inch (305mm x 305mm x 6 mm) base bearing surface.
 2. Material: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
 3. Contains 20% post-industrial recycled material.
- B. Model FIB: Pedestal base pad for use on roofing and waterproofing installations over low density insulation.
 1. Provides a large 12 x 12 x 11/16 inch (305mm x 305mm x 17.5mm) base bearing surface.
 2. Material:
 - a. Base Pad: Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025. Contains 20% post-industrial recycled material.
 - b. Base Plate: Galvanized Metal. Contains 37.2% post-consumer recycled material – 55.2% total scrap steel content.

2.7 FASTENING KITS

- A. Model: FS-1 Fastening Kit – Secures Bison Wood Tiles or Paver Trays to Bison Pedestals without penetrating or damaging the Wood Tile, Paver Tray, or selected paver:
 1. Components: Washer (US Patent #8,302,356), long screw, and short screw.
 2. FS-1 with Bison Wood Tiles: Use long screw with Bison Adjustable Pedestals, HD50 Fixed Height Pedestals, and HD75 Fixed Height Pedestals.
 3. FS-1 with Bison Paver Trays: Use long screw with Bison Adjustable Pedestals; short screw with Bison HD50 and HD75 Fixed Height Pedestals.
 4. Weight: 0.192 oz. (5.4 g)

5. Material: Nylon
- B. Model: FS-12 Spline – Secures Bison Wood Tiles or Paver Trays to Bison Pedestals without penetrating or damaging the Wood Tile, Paver Tray, or selected paver when greater lock-down force is required:
 1. Components: Spline, long screw, and short screw.
 2. FS-12 with Bison Wood Tiles: Use long screw with Bison Adjustable Pedestals, HD50 Fixed Height Pedestals, and HD75 Fixed Height Pedestals.
 3. FS-12 with Bison Paver Trays: Use long screw with Bison Adjustable Pedestals; short screw with Bison HD50 and HD75 Fixed Height Pedestals.
 4. Tab: 3/16" (4.5 mm)
 5. Weight: 1.41 oz. (40 g)
 6. Material: Mineral Filled High Density Copolymer Polypropylene (Bison #B-PP-2025)

**** NOTE TO SPECIFIER **** Delete the following if Bison Bracing is not required. Retain only model(s) specified from the available options.

2.8 BISON BRACE SYSTEM

- A. Required for Installations 24 to 36 inches in height or for applications requiring additional stability.
- B. Material: All Bison Bracing components are manufactured using Mineral Filled High Density Copolymer Polypropylene. Bison #B-PP-2025.
- C. Contains 20% Post-industrial material.
 1. Model BB-BRACE: Bison Brace Kit
 - a. For 11 ¾ to 36 inch wide pavers (center of pedestal to center of pedestal measurement).
 - b. BB-BRACES can be trimmed in order to accommodate listed range as required.
 - c. Kit contains two (2) each 17 inch long brace pieces and BB-LATCHES.
 2. Model BB-FH: Bison Fixed Height Brace Kit
 - a. For 8 ½ to 25 ½ inch wide pavers (center of pedestal to center of pedestal measurement).
 - b. BB-FH can be trimmed in order to accommodate listed range as required.
 - c. Kit contains two (2) each 12 inch long brace pieces and BB-SCREWS.
 3. Model BB-CONNECT: Bison Fixed Height Brace Connector
 - a. Allows for a braced transition between BB-FH and adjustable pedestal base with BB-PEGS.
 - b. For use when transitioning from fixed height pedestals and fixed height bracing to adjustable pedestals and bracing; while ensuring a fully interconnected decking system.
 4. Model BB-PEGS
 - a. Individual pegs to be inserted into ScrewJack Pedestal Base which allow for secure BB-BRACE attachment via quick clip locking-mechanism.
 - b. Eight (8) Model BB-PEGS are required for each ScrewJack Pedestal receiving bracing.
 5. Model: B1 BB-PEGS / B2 BB-PEGS / B3 BB-PEGS / B4 BB-PEGS
 - a. ScrewJack and BB-PEGS pre-inserted into Pedestal Base at the factory.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify all elevations, required pedestal heights, insulation density, and deck dimensions before commencing work.
- B. Do not begin installation until substrates have been properly prepared.
 1. The substrate surface that will receive the pedestals must be well compacted (on grade) and structurally capable of carrying the dead and live loads anticipated.
 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.
- C. If substrate preparation is the responsibility of another installer, notify Architect (or other appropriate party: Engineer, General Contractor, or Project Manager) of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Reference Installation Details documentation for recommended preparations.
- B. Establish accurate lines, levels and pattern as per installation instructions.

**** NOTE TO SPECIFIER **** Retain 3.2C only if an IRMA (PRMA) configuration is specified.

- C. Decks on Grade: Verify that installation conforms to section 1.71 of this specification.
- D. Installation requirements vary for each individual project site. Deck materials used, pattern, grid layout, starting point, and finished elevation should be shown on plan view shop drawings which have been prepared and approved by the designer, installing contractor and/or owner.

3.3 INSTALLATION

- A. Reference manufacturer Installation Details documentation for recommended installation procedures (details can be found online on the Bison website).
- B. If you encounter a situation during installation which is not covered in the installation details, please contact Bison at 303-892-0400 or Toll-Free at 800-333-4234.

3.4 PEDESTAL ADJUSTMENT

- A. Ensure pedestals have been shimmed/adjusted for rocking, uneven, or un-level pavers prior to substantial completion.
- B. Reference manufacturer Installation Details documentation for adjustment procedures such as shimming a pedestal or adjusting the slope compensation on the pedestal.

3.5 FIELD QUALITY CONTROL

- A. During Installation:

1. Inspect construction progress regularly to ensure grid line spacing is being maintained in a straight and consistent manner and deck panels or pavers are level and not rocking, shim as required. Particular attention should be paid to pedestrian entrance or access points to eliminate potential trip hazards.
 2. Confirm that deck pedestal height does not exceed specified height (24 inches for no bracing; 36 inches with bracing).
 3. Unless otherwise specified in writing to allow for expansion, inspect to ensure that all paver spacing between tiles and at the perimeter is no greater than one tab set (not to exceed 3/16 inch or 4.5 mm). Install/ adhere partial tab sets as required to maintain proper gapping.
- B. Immediately Following Installation: The Owner, or the Owner's Agent, shall carefully inspect the deck system to verify:
1. The new deck is blocked on all sides to contain the surface decking and related components.
 2. There is no more than one tab set (not to exceed 3/16 inch or 4.5 mm) gapping between any deck panels and at all sides of the deck perimeter.
 3. There is no ballasting rock used to fill in any perimeter voids.
 4. Deck panels do not rock when you walk across the decking surface.
 5. All spacer tabs are in place, visible and secure.
- C. Other: Installer and/or Architect has the responsibility of informing the Owner about performing routine maintenance on the deck, this includes:
1. Checking for rocking pavers or surface tiles and properly applying shims as the substrate can settle and require pedestal adjustment.
 2. Periodically checking for broken, damaged, or missing tab sets and replacing them to limit deck movement.
 3. Maintaining intact and structurally sound perimeter containment.
 4. Replacing damaged surface tiles, pavers, or pedestals.

****NOTE TO SPECIFIER**** Add any additional maintenance which might be required by the Owner including specified deck treatments.

PROPOSITION 65

⚠WARNING: This product can expose you to chemicals including carbon black, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

END OF SECTION

BISON SCREWJACK PEDESTAL PRODUCT LINE

	Model No.	Description	Range	Notes
	B1	Adjustable Pedestal	1 1/4" - 2" (32 - 51 mm)	--
	B2	Adjustable Pedestal	2" - 3" (51 - 76 mm)	--
	B3	Adjustable Pedestal	3" - 4 3/4" (76 - 121 mm)	--
	B4	Adjustable Pedestal	4 3/4" - 7 3/4" (121 - 197 mm)	--
	C4	Black Coupler	Adds up to 4" (101.6 mm) each	Screw C4 into B3 or B4 base or another C4 to reach up to 36" (914.4mm)
	VT316	Ultra Low Height Pedestal	1/8" (3.175 mm)	--
	HD25-316 HD50-316 HD75-316	Fixed Height Stackable Pedestals	1/4" (6.35 mm) 1/2" (12.7 mm) 3/4" (19.05 mm)	Stack up to 4
	B11	Rubber Flexible Shim	1/16" (1.588 mm)	--
	PS1	Plastic Rigid Shim	1/8" (3.175 mm)	--
	LD4	Base Leveler	Adds 1/4" (6.35 mm) to Pedestal height Stack up to 4 total to base of Pedestals	Maximum of 1" per foot slope (8%)
	FS-1	Fastening Kit*	Secures Bison Wood Tiles or Paver Trays to Bison Pedestals	
	FIB	Floating Insulation Base	12" x 12" x 11/16" (304.8 x 304.8 x 17.463 mm) For use over roofing systems with 20-40 psi (137.895 - 275.79 kPa) bearing capacity	
	FFB	Floating Foundation Base	12" x 12" x 1/4" (304.8 x 304.8 x 6.35 mm) For use under Pedestals on grade (soil)	