



# INSTALLATION INSTRUCTIONS

The substrate surface that will receive the deck supports must be well compacted (on grade) and structurally capable of carrying the dead and live loads anticipated. The substrate must be clean and free of projections and debris that could impair the performance of the pedestals or the total deck system.

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. Once a starting point and the finished elevation of the deck surface have been determined, the support system elevation (finished elevation minus deck material thickness) is established and marked around the perimeter using a transit "torpedo" water level or laser leveling device. Precise measurements should be taken and deck area should be accurately defined. Mark off and square all outside edges with control lines (chalk lines or spray paint). Install two (2) lines that are perpendicular to each other across the deck area. Continue to mark a grid of lines in both directions marking the location of each pedestal. To assure a square layout, use the control lines as references to periodically check the layout during installation.

## INSTALLATION

Install in accordance with MRP's Eterno and other contributing manufacturer's instructions.

Next, a deck support must be placed where each measured grid line meets the perimeter. Remove two (2) spacer tabs in line with one another on top of each deck support placed around the perimeter. Remove all four (4) spacer tabs at corners. Adjust each deck support to a "top of pedestal" elevation marked around the perimeter. Normally the deck support is positioned as close to the perimeter as possible, with the two remaining spacer tabs aligned with the grid line. Using the "top of pedestal" elevation marked on the perimeter, stretch a mason's line along and slightly ahead of the second row of deck supports. A laser leveling device may also be used for this purpose. On larger decks, it is recommended that pedestals be pre-sorted and pre-set to the proper elevation and placed in position prior to the installation of pavers or tiles. As the deck supports located along the grid lines are 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. Our unique Adjustment Tool can be used in this situation. Always maintain adequate thread engagement. MRP's Eterno Supports Screw or Extension contains a locking tab that will not allow the Screw or Extensions to extend past its maximum extension. Never use if the locking tab is broke. To add an Extension turn the pedestal past the locking tab to lock in the extension. Slight irregularities in decking panel thickness can be compensated for by using one to two shim segments. Place on top of the pedestal, under the corner(s) of the decking tile or paver. Use no more than two (2) shims on top of the pedestal and always adhere quartered (1/4) wedges with construction adhesive.

**Stackable Fixed Height Pedestals:** Complete deck and grid layout as instructed above. Stack no more than four (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.

Deck supports and the deck surface panels must be placed as the manufacturer directs in these written Instructions.

Use of labor saving devices, such as paver lifters, is encouraged, especially on large jobs.

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. Final height adjustment or maintenance is easily made by simply using our Unique Adjustment Tool that allows you to adjust the support without removing the pavers. Tool is inserted between the four paver corners to engage screw portion and adjusted clockwise or counter clockwise to level as needed.

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. 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.

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.

Any area of a deck that is not restrained by a parapet or foundation wall must be 'boxed-in' and contained. The deck panels will move if all sides are not adequately restrained. Perimeter framing and edging boards located at the outside of the deck perimeter must be installed to provide restraint. No movement should be allowed at the perimeter of the deck system greater than one tab width.

Inspect often 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. Confirm that deck pedestal height does not exceed the specified height of 16 inches (406.4mm).

Unless otherwise specified in writing to allow for expansion, inspect to assure that all paver spacing between tiles and at perimeter containment does not exceed a tab width. 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.

The Owner, or the Owner's Agent, shall carefully inspect the deck system to be positive that:

1. The new deck system is adequately blocked on all sides to contain the surface decking and related components.
2. There is no more than one tab width spacing 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. There is no 'rocking' of deck panels as foot traffic is applied to the surface decking.
5. All required spacer tabs are in place and visible.

Installer and/or Architect has a duty to instruct the deck owner about performing routine maintenance of the deck. Check for rocking pavers and adjust or shim immediately. Pedestals can settle and may have to be realigned using our unique Adjustment Key. 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.

**Bracing is required for any support that is over 21.75". When using the Adjustment Tool please make sure that maximum of two tiles are be adjusted at a time and the installer is not standing on the tiles being adjusted. The weight of the Concrete pavers represents extreme torque being placed on the Adjustment Tool. Call MRP Supports for details @ 800-828-8424.**



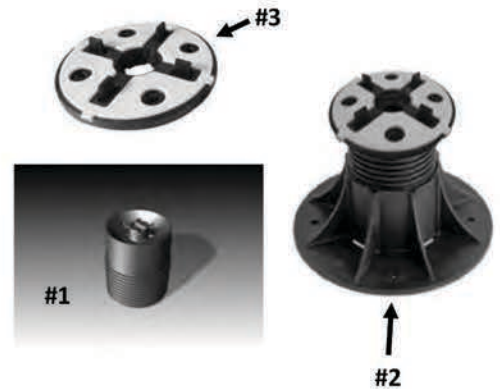
# NEW HEAD INSTALLATION INSTRUCTIONS

Call 800-828-8424 for any installation questions

## SELF LEVELING HEAD—FOR CONCRETE PAVER

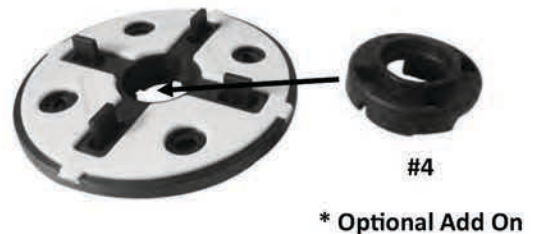
### APPLICATIONS

- **A:** Screw Threaded piece (#1) into Base (#2)
- **B:** Install NEW Self Leveling Head (#3) to Threaded Piece (#1)



## FIXED HEAD—FOR LITE TILE APPLICATIONS

- See above **A & B Procedure's**
- **C:** Install Locking Piece (#4) using Rubber Mallet Hammer. Locking Piece will Snap into Threaded Piece. Line up so locking piece slots snap into threaded piece.
- **NOTE:** After locking piece is snapped in damage of Threaded piece might occur if locking piece is removed.



\* Optional Add On

## FIXED HEAD W/ PINS FOR IPE DECK TILE

### APPLICATIONS

- See above **A,B & C Procedure's**
- Twist in and Lock (4) Pins (#5) into New Head. These pins will allow you to lock in your IPE Wood Deck Tiles to our NEW Head.
- **NOTE:** IPE Wood Deck Tile's supplied by MRP Supports already have pre-drilled holes underneath tiles to be used in this application. If the Wood Deck Tiles do not have pre-drilled holes then holes will need to be drilled out for these pins to be used. #5



\* Optional Add On