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RESEARCH REPORT: RR 26041
(CSI #09 30 19)

Expires: June 01, 2022
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Code: 2020 LABC

GENERAL APPROVAL – Renewal and Technical Modification - Versadjust™ FR Adjustable Pedestal System, Bison Ipê Wood Tiles, Bison 2cm Paver System, and Stepstone (24 in. x 24 in. x 2-in.) Precast Concrete Pavers.

DETAILS

The Versadjust™ FR Adjustable Pedestal system is composed of Bison Adjustable Pedestal deck supports (BB-PP2025-FR) and Quick Clip Couplers with 1/8-inch or 3/16-inch wide tabs supporting Bison Ipê Wood Tiles or Bison 2cm Paver System.

The Bison 2cm Paver System is composed of a 2cm Ceramic Paver backed with a Bison 2cm Tray.

The Bison Ipê Wood Tiles have been tested per ASTM E 108-07 and achieve a Class A Classification.

The Bison Ipê Wood Tiles have been tested per NFPA 255 and achieves a Class B Classification.

The Bison 2cm Paver System has been tested per ASTM E136 and meets the requirements of non-combustibility.

The allowable compression load on the Bison Ipê Wood Tiles shall not exceed 152 psf.

The allowable compression load on the Bison 2cm Paver System shall not exceed 445 psf.

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Re: Versadjust™ FR Adjustable Pedestal System, Bison Wood Tiles and 2cm Paver System, and Stepstone Precast Concrete Pavers.

The plastic components of the Bison Adjustable Pedestal System (BB-PP2025-FR) have been tested in accordance with ASTM D 635 and achieve a CC-1 Classification.

The Stepstone Precast Concrete Paver tile measured approximately 24 inch x 24 inch x 2 inch tested per ASTM E2322 has a maximum pressure 834 psf; and maximum concentrated load capacity 2,018 lb. corresponding to a deflection of 0.33 inch. All maximum pressure and load capacity have not been factored with a factor of safety.

The approval is subject to the following conditions:

1. The seismic stability shall be provided by detailed confinement details of the boundary of the system. Roof plans and confinement details shall be prepared by a California licensed engineer or architect and submitted to structural plan check for review and approval.
2. The height of the pedestal shall be limited to maximum 36".
3. The adjustable pedestals shall be covered and protected from sun exposure.
4. Structural observation shall be provided for the confinement of the boundary construction.
5. The Bison Ipê Wood Tiles shall be installed only in areas where combustible materials are permitted by the 2020 Los Angeles Building Code.
6. The materials delivered to the job site shall be identified by the manufacturer's name, the component(s) name, RR 26041, and the name of the quality control agency.
7. The installation shall be in accordance with United Construction Products' installation manual and this report. A copy of the installation manual shall be provided on the job site. The installation manual shall be supplied and packaged with the product.

DISCUSSION

The Clerical Modification is to update this report to the 2020 LABC.

The report is in compliance with the 2020 Los Angeles City Building Code.

The approval is based on tests.

United Construction Products

Re: Versadjust™ FR Adjustable Pedestal System, Bison Wood Tiles and 2cm Paver System, and Stepstone Precast Concrete Pavers.

The quality control of the Precast Concrete Pavers shall include the following items.

- a. Cylinders will be submitted per project to a City of Los Angeles approved testing laboratory that satisfies the criteria established in ACI 318-14, 26.12.1.1 (a) through 26.12.1.1 (e).
- b. Frequency of testing shall be conducted In accordance with AC 318-14, 26.12.2 through 26.12.2 (b); at least once a day, at least once for each 150 cubic yd., at least once for each 5000 sq. ft. of surface area or slabs or walls.
- c. Acceptance criteria for standard-cured specimens shall be established by ACI 318-14, 26.12.3 through 26.12.13.1 (d). Minimum design strength (f_c') concrete shall be 5000 psi.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction, which must be approved, by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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