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RESEARCH REPORT: RR 26198
(CSI #09 30 19)

Expires: September 1, 2023
Issued Date: September 23, 2021
Code: 2020 LABC

GENERAL APPROVAL – Renewal – Bison ScrewJack Pedestal System, Bison Ipê Wood Tiles, Bison 2cm Paver-Tray System, Westile Concrete Pavers

DETAILS

The Bison Screwjack FR Adjustable Pedestal system is composed of Bison Adjustable Pedestal deck supports (BB-PP2025-FR) and Couplers with 3/16-inch wide tabs supporting Westile Concrete Pavers, Bison Ipê Wood Tiles or Bison 2cm Paver System.

Westile Plaza Pavers shall have a minimum compressive strength of 8000 psi as tested in accordance with ASTM C140.

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 ASTM E84-08a and achieved a flame spread index of 55 and a smoke developed index of 350.

The Bison 2cm Paver System is composed of a 2cm Ceramic Paver backed with a Bison 2cm Tray. The Bison 2cm Paver System has been tested per ASTM E136 and meets the requirements of non-combustibility.

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

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.

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2. The allowable compression load on the Bison Ipê Wood Tiles shall not exceed 152 psf.
3. The allowable compression load on the Bison 2cm Paver System shall not exceed 250 psf.
4. The allowable compression load on the Bison Pedestal System with Westile Concrete Pavers shall not exceed 250 psf.
5. The height of the pedestal shall be limited to maximum 24".
6. The adjustable pedestals shall be covered and protected from sun exposure.
7. Structural observation shall be provided for the confinement of the boundary construction.
8. The Bison Ipê Wood Tiles shall be installed only in areas where combustible materials are permitted by the 2020 Los Angeles Building Code.
9. The materials delivered to the job site shall be identified by the manufacturer's name, the component(s) name, and the name of the quality control agency.
10. The installation shall be in accordance with the Bison Innovative 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.
11. The system is approved for use on unroofed plaza and roof decks. Use of these products within occupied floor areas is beyond the scope of this approval.
12. The products covered under this general approval are under a quality control program with inspections by Underwriters Laboratories (UL).

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DISCUSSION

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

The approval is based on tests of file with the Building Research Section. The allowable loads referenced in this general approval are based on a factor of safety of 3.0.

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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