

Product Evaluation

MEC03 | 1021

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: MEC-03

Effective Date: October 1, 2021

Re-evaluation Date: September 2025

Product Name: "York Custom," "Pace," and "Miller-Picking" Rooftop Air Handling Units, Impact Resistant

Manufacturer: York/Johnson Controls, Inc.
100 JCI Way
York, PA 17406
(717) 815-4218

York/Johnson Controls, Inc.
77 Academy Dr.
Hattiesburg, MS 39401
(601) 544-8911

General Description:

This evaluation report is for York Custom, Pace, or Miller-Picking rooftop air handling units.

Exterior wall panel construction is either minimum 18-gauge G90 galvanized steel or 0.08" aluminum. Exterior roof construction is minimum 20-gauge G90 galvanized steel. Walls are 3" thick, minimum 16-gauge G90 C-channels at 16" on center maximum with polyurethane foam insulation. The roof is 2.0" thick at the sides and 4.63" thick at the peak, minimum 16-gauge G90 C-channels at 16" on center maximum with polyurethane foam insulation. The walls and roof

have a minimum 22-gauge steel liner at the interior. The access doors are minimum 20-gauge galvanized steel or 0.08" aluminum on the exterior and 20-gauge galvanized steel on the interior.

Limitations:

Construct and install the rooftop air handling units in accordance with the following design drawing:

- Drawing No. 21-53T; sheets 1 through 19; titled "YORK Custom (PACE & Miller-Picking) Air Handler Unit;" dated June 18, 2021; signed and sealed by Jalal Farooq, P.E. on July 6, 2021.

Allowable Dimensions:

The allowable dimensions for the unit are as specified on the approved drawings. Dimensions, material thickness gauges, and spacing of structure elements must be as specified on the approved drawings.

Hardware: Hardware requirements for the access doors is specified on the approved drawings.

Design Pressures:

The allowable design pressure rating for the assembly is a maximum of +80 / -80 psf. Alternative door options specified in the approved drawings limit the design pressure rating of the assembly to +65 psf / - 65 psf. Refer to the approved drawings for specified details.

Impact Resistance: The assemblies have been tested for windborne debris resistance. The assemblies passed the equivalent of Missile Level D specified in ASTM E 1996-14a.

Installation:

Attachment of the air handling units to a roof curb and to the host structure to prevent uplift, sliding, and overturning is not part of this evaluation report. A Texas licensed engineer must design the attachment of the air handling units to a roof curb and to the host structure. Spacing of the anchors used to secure the units to the roof curb or host structure must not exceed the spacing specified on the approved drawings. The structural integrity of the host structure to support the air handling units must be evaluated by the Texas licensed engineer.

Interior mounted mechanical equipment is outside the scope of this evaluation report. Refer to the General Notes in the approved drawings for more information.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.