

March 22, 2024

Property Address:

To Whom It May Concern,

An inspection has been performed at the subject address for the roof-mounted HVAC assembly including supporting roof-mounted platform for compliance with FORTIFIED Roof eligibility requirements. The materials and installation of the supporting platform in compliance with FORTIFIED Technical Bulletin FH 2024-01 as well as the attachment of the HVAC unit to the platform was inspected and an engineering analysis was performed to assess the following:

The following FORTIFIED Home™ eligibility requirements for roof-mounted HVAC units per FORTIFIED Technical Bulletin FH 2024-01 were reviewed for the roof-mounted platform supporting the HVAC unit:

- Yes No Is supporting platform a gravity-only mounted deck. (Gravity-only mounted decks are NOT eligible for designation.)
- Yes No Are platform connections only to the roof cover/roof sheathing? (Connections that are only to the roof cover/roof sheathing are NOT eligible for designation.)
- Yes No Is there positive anchorage including metal connectors or bolts that connect the platform to the main structural system of the roof. (Nail only connections (such as toenailed connections) are NOT eligible for designation.)
- Yes No Do platform components penetrate the roof?
- Yes No N/A Are all members that penetrate the roof free of rot, rust at connectors, deterioration, and damage? (All platform components that penetrate the roof and their connections to the roof structural members must be free of rot, rust at connectors, deterioration, and damage.)
- Yes No Is there sufficient clearance under platform for re-roofing, repairs/maintenance, and water flow.
- Yes No N/A Can platform components that penetrate the roof be properly sealed and flashed?
- Yes No TBD by Roofer Is it possible to roof around the platform completely and install proper flashing at all roof penetrations without removing any structural support (post, beam, or joist) of the platform.

Roof-Mounted Platform Construction and Anchorage Description:

The roof-mounted platform is constructed [insert construction description].

The roof-mounted platform is anchored to the roof structure by [insert construction description].

HVAC Unit Mounting/Anchorage to Platform Description:

The HVAC unit is anchored to the platform by [insert construction description].

Photos:

Figure 1: Front elevation

Figure 2: Side Elevation

Figure 3: Side Elevation

Figure 4: Back Elevation

Figure 5: Connection 1

Figure 6: Connection 2

Figure 7: Connection 3

Figure 8: Connection 4

[insert and label additional photos are needed]

Summary:

The roof-mounted platform supporting the HVAC unit [does or does not comply] with all eligibility requirements for FORTIFIED Roof as specified in Fortified Home Technical Bulletin FH 2024-01. [Insert explanation].

The existing attachment of the supporting platform to the roof structure [is or is not] adequate to support all gravity and wind loads including overturning loads for the site conditions.

The existing attachment of the HVAC unit to the supporting platform [is or is not] adequate to support all gravity and wind loads including overturning loads for the site conditions.

Recommendations:

[If applicable, insert recommendations for repairs/retrofits required for platform construction/anchorage, or HVAC anchorage to become adequate to support all gravity and wind loads for the site conditions]

Attached are calculations supporting the above analysis and recommendations.

If you need additional information or have any questions, please contact me.

Sincerely,

[provide signature and seal]