Filed pursuant to Rule 424(b)(3) Registration No. 333-274329



### Wheeler Real Estate Investment Trust, Inc.

This is Prospectus Supplement No. 11 (this "Prospectus Supplement") to our Prospectus, dated September 29, 2023 (the 'Prospectus"), relating to the issuance from time to time by Wheeler Real Estate Investment Trust, Inc. of up to 101,100,000 shares of our common stock, par value \$0.01 ("Common Stock"). Terms used but not defined in this Prospectus Supplement have the meanings ascribed to them in the Prospectus.

We have attached to this Prospectus Supplement our Current Report on Form 8-K filed on January 8, 2024. The attached information updates and supplements, and should be read together with, the Prospectus, as supplemented from time to time.

Investing in our Common Stock involves a high degree of risk. You should review carefully the risks and uncertainties described under the heading *Risk* Factors" beginning on page 4 of the Prospectus, and under similar headings in any amendments or supplements to the Prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of the Prospectus. Any representation to the contrary is a criminal offense. The date of this Prospectus Supplement is January 8, 2024.

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

# WASHINGTON, D.C. 20549

## FORM 8-K

## CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

Date of report (date of earliest event reported): January 5, 2024

WHEELER REAL ESTATE INVESTMENT TRUST, INC.

(Exact name of registrant as specified in its charter)

| )01 | -35713 |  |
|-----|--------|--|
|     |        |  |

Maryland (State or other jurisdiction of incorporation or organization)

(Commission File Number) 45-2681082 (IRS Employer

Identification No.)

| 2529 Virginia Beach Blvd. |   |
|---------------------------|---|
| Virginia Beach, VA        | _ |

(Address of principal executive offices)

23452

(Zip code)

Registrant's telephone number, including area code: (757) 627-9088

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligations of the registrant under any of the following provisions:

- U Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (\$230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (\$240.12b-2 of this chapter). Emerging growth company  $\Box$ 

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.  $\Box$ 

Securities registered pursuant to Section 12(b) of the Act:

| Title of each class                             | Trading Symbol(s) | Name of each exchange on which registered |
|---|-------------------|---|
| Common Stock, \$0.01 par value per share        | WHLR              | Nasdaq Capital Market                     |
| Series B Convertible Preferred Stock            | WHLRP             | Nasdaq Capital Market                     |
| Series D Cumulative Convertible Preferred Stock | WHLRD             | Nasdaq Capital Market                     |
| 7.00% Subordinated Convertible Notes due 2031   | WHLRL             | Nasdaq Capital Market                     |

### Item 3.03. Material Modifications to Rights of Security Holders

#### Adjustment to Conversion Price of 7.00% Subordinated Convertible Notes due 2031

Item 8.01 of this Current Report on Form 8-K as to the redemptions by the Series D Preferred Holders of the Series D Preferred Stock is incorporated herein by reference.

As of December 5, 2023, the Conversion Price for the Company's 7.00% Subordinated Convertible Notes due 2031 (the "Notes") was approximately \$0.21 per share of the Company's common stock, par value \$0.01 ("Common Stock") (approximately 116.46 shares of Common Stock for each \$25.00 of principal amount of the Notes being converted).

For the January redemptions, the lowest price at which any Series D Preferred Stock was converted by a holder into Common Stock was approximately \$0.31.

Accordingly, pursuant to Section 14.02 (Optional Conversion) of the indenture governing the Notes, the Conversion Price for the Notes was further adjusted to approximately \$0.17 per share of Common Stock (approximately 148.24 shares of Common Stock for each \$25.00 of principal amount of the Notes being converted), representing a 45% discount to \$0.31.

#### Item 8.01 Other Events

#### **Results of January 2024 Series D Preferred Stock Redemptions**

- The fourth monthly "Holder Redemption Date" occurred on January 5, 2024.
- The Company processed redemption requests from two Series D Preferred Holders, collectively redeeming 9,843 shares of Series D Preferred Stock for a redemption
  price of approximately \$37.56 per share (\$25.00 per share plus the amount of all accrued but unpaid dividends to and including the January 5, 2024 Holder Redemption
  Date) (the "Redemption Price").
- The Company settled the Redemption Price in Common Stock.
- The volume weighted average of the closing sales price, as reported on the Nasdaq Capital Market, per share of Common Stock for the ten consecutive trading days
  immediately preceding, but not including, the January 4, 2024 Holder Redemption Date was approximately \$0.31.
- Accordingly, the Company issued 1,205,762 shares of Common Stock in settlement of an aggregate Redemption Price of approximately \$370,000.

As with the December 2023 redemptions, the January 2024 redemptions were settled with unregistered Common Stock. As previously disclosed, the Company plans to issue unregistered shares of Common Stock to meet the ongoing monthly redemption requests until the Company has registered a sufficient number of shares of Common Stock to provide registered shares to cover the entirety of the remaining issue of Series D Preferred Stock. The Company similarly plans to register the unregistered shares issued in the December 2023 and January 2024 redemption cycles and any unregistered shares issued in subsequent monthly Series D Preferred Stock redemption cycles.

## Cumulative Series D Preferred Stock Redemption Information

- To date, the Company has processed 177 redemption requests, collectively redeeming 873,913 shares of Series D Preferred Stock.
- Accordingly, the Company has issued 53,994,449 shares of Common Stock in settlement of an aggregate Redemption Price of approximately \$33 million.
- As of January 5, 2024, the Company had 54,975,549 shares of Common Stock and 2,651,958 shares of Series D Preferred Stock outstanding.

### February 2024 Redemptions

- The deadline for the next monthly round of Series D Preferred Stock redemptions is January 25, 2024.
- The next monthly Holder Redemption Date will occur on February 5, 2024.
- Required redemption forms and a list of frequently asked questions can each be found on the Company's website athttps://ir.whlr.us/series-d/series-d-redemption.

Information contained on the Company's website is not incorporated by reference into this Current Report on Form 8-K and should not be considered to be part of this Current Report on Form 8-K.

### Forward-Looking Statements.

This Current Report on Form 8-K includes forward-looking statements. These statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995. These statements may be identified by words such as "will," "would" and "plans," or the negative of such terms, or other comparable terminology, and include statements about the Company's intention to register unregistered shares of Common Stock. Forward-looking statements are statements that are not historical facts. Such forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties, which could cause actual results to differ materially from the forward-looking statements contained herein due to many factors. These forward-looking statements and other factors speak only as of the date of this Current Report on Form 8-K, and the Company expressly disclaims any obligation or undertaking to update or revise any forward-looking statement contained herein, or to reflect any change in our expectations with regard thereto or any other change in events, conditions or circumstances on which any such statement is based, except to the extent otherwise required by applicable law.

## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

WHEELER REAL ESTATE INVESTMENT TRUST, INC.

By:

/s/ M. Andrew Franklin Name: M. Andrew Franklin Title: Chief Executive Officer and President

Dated: January 8, 2024