

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

Amendment No. 1

to

FORM S-11

FOR REGISTRATION UNDER THE SECURITIES ACT OF 1933
OF SECURITIES OF CERTAIN REAL ESTATE COMPANIES

PLYMOUTH INDUSTRIAL REIT, INC.

(Exact name of registrant as specified in governing instruments)

260 Franklin Street, Suite 600

Boston, Massachusetts 02110

(617) 340-3814

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Jeffrey E. Witherell

Chief Executive Officer

Plymouth Industrial REIT, Inc.

260 Franklin Street, Suite 600

Boston, Massachusetts 02110

(617) 340-3814

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Kenneth L. Betts
Winston & Strawn LLP
2501 N. Harwood Street, 17th Floor
Dallas, TX 75201
(214) 453-6500

Justin R. Salon
Morrison & Foerster LLP
2000 Pennsylvania Avenue NW, Suite 6000
Washington, D.C. 20006
(202) 887-1500

**Approximate date of commencement of proposed sale to the public:
As soon as practicable after this Registration Statement becomes effective.**

If any of the securities being registered on this form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If delivery of the prospectus is expected to be made pursuant to Rule 434, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

(Do not check if a smaller reporting company)

Emerging Growth Company

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

If 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.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

EXPLANATORY NOTE

Plymouth Industrial REIT, Inc. has prepared this Amendment No. 1 to the Registration Statement on Form S-11 (File 333-225062) solely for the purpose of filing Exhibits 5.1, 8.1, 23.1 and 23.2. No changes have been made to the preliminary prospectus constituting Part I of the Registration Statement or to Part II of the Registration Statement (other than to reflect in the Exhibit Index the filing of the aforementioned exhibits).

PART II
INFORMATION NOT REQUIRED IN PROSPECTUS

Item 31. Other Expenses of Issuance and Distribution.

The following table sets forth the fees and expenses, other than underwriting discounts, payable by the registrant in connection with the issuance and distribution of the common stock offered hereby. All amounts are estimated except the SEC registration fee and the FINRA filing fee.

SEC registration fee	\$ 10,738.13
NYSE American listing fee	65,000
FINRA filing fee	13,437.50
Printing and engraving expenses	50,000
Legal fees and expenses	200,000
Accounting fees and expenses	125,000
Transfer agent fees and expenses	6,500
Miscellaneous	29,324.37
Total	<u>\$ 500,000.00</u>

Item 32. Sales to Special Parties.

Not applicable.

Item 33. Recent Sales of Unregistered Securities.

Not applicable.

Item 34. Indemnification of Directors and Officers.

Maryland law permits a Maryland corporation to include in its charter a provision eliminating the liability of its directors and officers to the corporation and its stockholders for money damages except for liability resulting from (a) actual receipt of an improper benefit or profit in money, property or services or (b) active and deliberate dishonesty that is established by a final judgment and is material to the cause of action. Our charter contains a provision which eliminates our directors' and officers' liability to the maximum extent permitted by Maryland law.

Maryland law requires a Maryland corporation (unless its charter provides otherwise, which our charter does not) to indemnify a director or officer who has been successful in the defense of any proceeding to which he or she is made a party by reason of his or her service in that capacity. Maryland law permits a Maryland corporation to indemnify its present and former directors and officers, among others, against judgments, penalties, fines, settlements and reasonable expenses actually incurred by them in connection with any proceeding to which they may be made or threatened to be made a party by reason of their service in those or other capacities unless it is established that: (a) the act or omission of the director or officer was material to the matter giving rise to the proceeding and (i) was committed in bad faith or (ii) was the result of active and deliberate dishonesty; (b) the director or officer actually received an improper personal benefit in money, property or services; or (c) in the case of any criminal proceeding, the director or officer had reasonable cause to believe that the act or omission was unlawful. However, under Maryland law, a Maryland corporation may not indemnify for an adverse judgment in a suit by or in the right of the corporation or for a judgment of liability on the basis that personal benefit was improperly received, unless in either case a court orders indemnification and then only for expenses. In addition, Maryland law permits a Maryland corporation to advance reasonable expenses to a director or officer upon the corporation's receipt of (a) a written affirmation by the director or officer of his or her good faith belief that he or she has met the standard of conduct necessary for indemnification by the corporation and (b) a written undertaking by him or her or on his or her behalf to repay the amount paid or reimbursed by the corporation if it is ultimately determined that the standard of conduct was not met.

Our charter authorizes us to obligate ourselves and our bylaws obligate us, to the maximum extent permitted by Maryland law in effect from time to time, to indemnify any present or former director or officer or any individual who, while a director or officer of our company and at our request, serves or has served as a director, officer, partner, trustee, member or manager of another corporation, real estate investment trust, limited liability company, partnership, joint venture, trust, employee benefit plan or other enterprise and who is made or threatened to be made a party to the proceeding by reason of his or her service in that capacity from and against any claim or liability to which that individual may become subject or which that individual may incur by reason of his or her service in any of the foregoing capacities and to pay or reimburse his or her reasonable expenses in advance of final disposition of a proceeding. Our charter and bylaws also permit us to indemnify and advance expenses to any individual who served a predecessor of our company in any of the capacities described above and any employees or agents of our company or a predecessor of our company. Furthermore, our officers and directors are indemnified against specified liabilities by the underwriters, and the underwriters are indemnified against certain liabilities by us, under the underwriting agreement relating to this offering. See "Underwriting."

We have entered into indemnification agreements with each of our executive officers and directors whereby we indemnify such executive officers and directors to the fullest extent permitted by Maryland law against all expenses and liabilities, subject to limited exceptions. These indemnification agreements also provide that upon an application for indemnity by an executive officer or director to a court of appropriate jurisdiction, such court may order us to indemnify such executive officer or director. We also maintain insurance on behalf of all of our directors and officers against liability asserted against or incurred by them in their official capacities with us, whether or not we are required or have the power to indemnify them against the same liability.

In addition, our directors and officers are indemnified for specified liabilities and expenses pursuant to the partnership agreement of Plymouth Industrial OP, LP, the partnership of which we serve as sole general partner.

The foregoing summaries are necessarily subject to the complete text of the Maryland General Corporation Law, our articles of incorporation and bylaws, the indemnification agreements between us and each of our directors and officers, and the partnership agreement of Plymouth Industrial OP, LP, and are qualified in their entirety by reference thereto.

Item 35. Treatment of Proceeds from Stock Being Registered.

None.

Item 36. Financial Statements and Exhibits.

- (a) Financial Statements. See page F-1 for an index to the financial statements incorporated by reference in this Registration Statement and the prospectus.
- (b) Exhibits. The list of exhibits filed with or incorporated by reference in this Registration Statement is set forth in the Exhibit Index following the signature pages herein.

Item 37. Undertakings.

(a) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

(b) The undersigned registrant hereby undertakes that:

(i) For purposes of determining any liability under the Securities Act of 1933, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the registrant pursuant to Rule 424(b)(1) or (4) or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.

(ii) For the purpose of determining any liability under the Securities Act of 1933, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) The undersigned registrant hereby further undertakes to deliver or cause to be delivered with the prospectus, to each person to whom the prospectus is sent or given, the latest annual report, to security holders that is incorporated by reference in the prospectus and furnished pursuant to and meeting the requirements of Rule 14a-3 or Rule 14c-3 under the Exchange Act; and, where interim financial information required to be presented by Article 3 of Regulation S-X is not set forth in the prospectus, to deliver, or cause to be delivered to each person to whom the prospectus is sent or given, the latest quarterly report that is specifically incorporated by reference in the prospectus to provide such interim financial information.

EXHIBIT INDEX

Exhibit Number	Description
1.1	Form of Underwriting Agreement**
3.1	Second Articles of Amendment and Restatement of Plymouth Industrial REIT, Inc. (incorporated by reference to Exhibit 3.1 to Amendment No. 2 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on September 11, 2014)
3.2	Second Amended and Restated Bylaws of the Company (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K (File No. 333-173048) filed on September 10, 2014)
3.3	Articles of Amendment of Plymouth Industrial REIT, Inc. (incorporated by reference to Exhibit 3.3 to Amendment No. 8 to the Company's Registration Statement on Form S-11 (File No. 333-19748) filed on June 1, 2017)
3.4	Articles Supplementary designating the terms of the Series A Preferred Stock (incorporated by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K (File No. 001-381061) filed on October 23, 2017)
5.1	Opinion of Winston & Strawn LLP regarding the validity of the securities being registered*
8.1	Opinion of Dentons US LLP regarding tax matters*
10.1	Amended and Restated Agreement of Limited Partnership of Plymouth Industrial OP, LP (incorporated by reference to Exhibit 10.1 to Amendment No. 2 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on September 11, 2014)
10.2	Amended and Restated Plymouth Industrial REIT, Inc. and Plymouth Industrial OP LP 2014 Incentive Award Plan (incorporated by reference to Exhibit 10.2 to Amendment No. 8 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on June 1, 2017)†
10.3	Employment Agreement with Jeffrey E. Witherell, dated as of April 28, 2017 (incorporated by reference to Exhibit 10.3 to Amendment No. 6 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on May 22, 2017)†
10.4	Employment Agreement with Pendleton P. White, Jr., dated as of April 28, 2017 (incorporated by reference to Exhibit 10.4 to Amendment No. 6 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on May 22, 2017)†
10.5	Employment Agreement with Daniel C. Wright, dated as of April 28, 2017 (incorporated by reference to Exhibit 10.5 to Amendment No. 6 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on May 22, 2017)†
10.6	Form of Indemnification Agreement between Plymouth Industrial REIT, Inc. and its directors and officers (incorporated by reference to Exhibit 10.6 to Amendment No. 6 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on May 22, 2017)
10.7	Limited Liability Company Agreement of Plymouth Industrial 20 LLC (incorporated by reference to Exhibit 10.7 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.8	Amended and Restated Promissory Note (AGLIC), dated November 18, 2016, in the original principal amount of \$66,240,000.00, made payable to the order of AGLIC, as Holder, by Borrowers, as Maker (incorporated by reference to Exhibit 10.8 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.9	Amended and Restated Promissory Note (AHAC), dated November 18, 2016, in the original principal amount of \$21,900,000.00, made payable to the order of AHAC, as Holder, by Borrowers, as Maker (incorporated by reference to Exhibit 10.9 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.10	Amended and Restated Promissory Note (NUFIC), dated November 18, 2016, in the original principal amount of \$21,900,000.00, made payable to the order of NUFIC, as Holder, by Borrowers, as Maker (incorporated by reference to Exhibit 10.10 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.11	Amended and Restated Promissory Note (USLIC), dated November 18, 2016, in the original principal amount of \$9,960,000.00, made payable to the order of USLIC, as Holder, by Borrowers, as Maker (incorporated by reference to Exhibit 10.11 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (file No. 333-196798) filed on March 29, 2017)

Exhibit Number	Description
10.12	Loan Agreement, dated October 17, 2016, by and among American General Life Insurance Company, American Home Assurance Company, National Union Fire Insurance Company of Pittsburgh, PA, and The United States Life Insurance Company in the City of New York, collectively as Lender, and the Borrowers named therein. (incorporated by reference to Exhibit 10.12 to Amendment No. 6 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.13	Mezzanine Loan Agreement, dated as of October 17, 2016, by and between DOF IV REIT Holdings, LLC, as Lender, and Plymouth Industrial 20, LLC, as Borrower. (incorporated by reference to Exhibit 10.13 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.14	\$30,000,000 Promissory Note made payable to DOF IV REIT Holdings, LLC by Plymouth Industrial 20, LLC. (incorporated by reference to Exhibit 10.14 to Amendment No. 4 to the Company's Registration Statement on Form S-11 (File No. 333-196798) filed on March 29, 2017)
10.16	Warrant Agreement, dated as of June 8, 2017, by and among Plymouth Industrial REIT, Inc., DOF IV REIT Holdings, LLC and DOF IV Plymouth PM, LLC (incorporated by reference to Exhibit 10.5 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on June 23, 2017)
10.17	Stockholders Agreement, dated as of June 8, 2017, by and among Plymouth Industrial REIT, Inc., DOF IV REIT Holdings, LLC and DOF IV Plymouth PM, LLC (incorporated by reference to the Company's Current Report on Form 8-K (File No. 001-38106) filed on June 23, 2017)
10.18	Credit Agreement, dated as of August 11, 2017, by and among Plymouth Industrial OP, LP, the Guarantors from time to time party thereto, KeyBank National Association and the other lenders party thereto (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on August 17, 2017)
10.19	Contribution Agreement, dated as of July 27, 2017, by and between 3035 North Shadeland Associates Limited Partnership and Plymouth Industrial OP, LP (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on August 1, 2017)
10.20	Purchase and Sale Agreement and Escrow Instructions, dated as of June 19, 2017, by and between Sellers: REW, L.L.C. and W Partners, LLC and Buyer: Plymouth Industrial REIT (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on July 21, 2017)
10.21	Amendment No. 1 to the Amended and Restated Agreement of Limited Partnership of Plymouth Industrial OP LP designating the terms of the Series A Preferred Units (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on October 23, 2017).
10.22	Agreement of Purchase and Sale, dated as of November 10, 2017, by and among Plymouth Industrial REIT, Inc. and the Sellers named therein (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on November 29, 2017)
10.23	Reinstatement of and Amendment to Agreement of Purchase and Sale, dated as of November 22, 2017, by and among Plymouth Industrial REIT, Inc. and BIGS Holdings LLC (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on November 29, 2017)
10.24	Loan Agreement, dated as of November 30, 2017, by and among Special Situations Investing Group II LLC, as lender and agent, and the Borrowers named therein (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on December 4, 2017)
10.25	Amendment to Stockholders Agreement, dated as of March 29, 2018, by and between Plymouth Industrial REIT, Inc. and DOF IV REIT Holdings, LLC (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K (File No. 001-38106) filed on April 4, 2018)
10.26	\$21,500,000 Promissory Note made payable to Minnesota Life Insurance Company by the borrowers, as defined therein, dated April 30, 2018 **
21.1	List of Subsidiaries (incorporated by reference to Exhibit 21.1 to the Company's Annual Report on Form 10-K (File No. 001-38106) filed on March 8, 2018)
23.1	Consent of Winston & Strawn LLP (included in Exhibit 5.1)*
23.2	Consent of Dentons US LLP (included in Exhibit 8.1)*
23.3	Consent of Marcum LLP **
24.1	Power of Attorney (included in the Signature Page)

* Filed herewith.

** Previously filed.

† Compensatory plan or arrangement.

[LETTERHEAD OF WINSTON & STRAWN LLP]

May 21, 2018

Plymouth Industrial REIT, Inc.
Suite 700
260 Franklin Street
Boston, Massachusetts 02110

Re: Registration Statement on Form S-11 (File No. 333-225062)

Ladies and Gentlemen:

We have served as Maryland counsel to Plymouth Industrial REIT, Inc., a Maryland corporation (the “Company”), in connection with certain matters of Maryland law arising out of the registration of up to 4,887,500 shares of common stock, \$0.01 par value per share (the “Shares”), of the Company (including up to 637,500 Shares which the underwriters in the Offering (as defined herein) have the option to purchase solely to cover over-allotments), to be issued by the Company in a public offering (the “Offering”), covered by the above-referenced Registration Statement, and all amendments thereto (the “Registration Statement”), filed by the Company with the United States Securities and Exchange Commission (the “Commission”) under the Securities Act of 1933, as amended (the “1933 Act”).

In connection with our representation of the Company, and as a basis for the opinion hereinafter set forth, we have examined originals, or copies certified or otherwise identified to our satisfaction, of the following documents (herein collectively referred to as the “Documents”):

1. The Registration Statement and the related form of prospectus included therein in the form in which it was transmitted to the Commission under the 1933 Act;
 2. The charter of the Company (the “Charter”), certified by the State Department of Assessments and Taxation of Maryland (the “SDAT”);
 3. The Second Amended and Restated Bylaws of the Company, certified as of the date hereof by an officer of the Company;
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4. A certificate of the SDAT as to the good standing of the Company, dated as of a recent date;
5. Resolutions adopted by the Board of Directors of the Company (the "Board") relating to the sale, issuance and registration of the Shares (the "Resolutions"), certified as of the date hereof by an officer of the Company;
6. A certificate executed by an officer of the Company, dated as of the date hereof; and
7. Such other documents and matters as we have deemed necessary or appropriate to express the opinion set forth below, subject to the assumptions, limitations and qualifications stated herein.

In expressing the opinion set forth below, we have assumed the following:

1. Each individual executing any of the Documents, whether on behalf of such individual or another person, is legally competent to do so.
 2. Each individual executing any of the Documents on behalf of a party (other than the Company) is duly authorized to do so.
 3. Each of the parties (other than the Company) executing any of the Documents has duly and validly executed and delivered each of the Documents to which such party is a signatory, and such party's obligations set forth therein are legal, valid and binding and are enforceable in accordance with all stated terms.
 4. All Documents submitted to us as originals are authentic. The form and content of all Documents submitted to us as unexecuted drafts do not differ in any respect relevant to this opinion from the form and content of such Documents as executed and delivered. All Documents submitted to us as certified or photostatic copies conform to the original documents. All signatures on all Documents are genuine. All public records reviewed or relied upon by us or on our behalf are true and complete. All representations, warranties, statements and information contained in the Documents are true and complete. There has been no oral or written modification of or amendment to any of the Documents, and there has been no waiver of any provision of any of the Documents, by action or omission of the parties or otherwise.
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5. The Shares will not be issued or transferred in violation of any restriction or limitation on transfer and ownership of shares of stock of the Company contained in Article VII of the Charter.

Based upon the foregoing, and subject to the assumptions, limitations and qualifications stated herein, it is our opinion that:

1. The Company is a corporation duly incorporated and existing under and by virtue of the laws of the State of Maryland and is in good standing with the SDAT.

2. The issuance of the Shares has been duly authorized and, when and if issued and delivered against payment therefor in accordance with the Registration Statement, the Resolutions and the Corporate Proceedings, the Shares will be validly issued, fully paid and nonassessable.

The foregoing opinion is limited to the laws of the State of Maryland and we do not express any opinion herein concerning any other law. We express no opinion as to compliance with any federal or state securities laws, including the securities laws of the State of Maryland, or as to federal or state laws regarding fraudulent transfers. To the extent that any matter as to which our opinion is expressed herein would be governed by the laws of any jurisdiction other than the State of Maryland, we do not express any opinion on such matter. The opinion expressed herein is subject to the effect of judicial decisions which may permit the introduction of parol evidence to modify the terms or the interpretation of agreements.

The opinion expressed herein is limited to the matters specifically set forth herein and no other opinion shall be inferred beyond the matters expressly stated. We assume no obligation to supplement this opinion if any applicable law changes after the date hereof or if we become aware of any fact that might change the opinion expressed herein after the date hereof.

Plymouth Industrial REIT, Inc.
May 21, 2018
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This opinion is being furnished to you for submission to the Commission as an exhibit to the Registration Statement. We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the use of the name of our firm therein. In giving this consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the 1933 Act.

Very truly yours,

/s/ Winston & Strawn LLP

Dentons US LLP
2000 McKinney Avenue
Suite 1900
Dallas, TX 75201-1858
United States

大成 Salans FMC SNR Denton McKenna Long
dentons.com

May 21, 2018

Board of Directors
Plymouth Industrial REIT, Inc.
260 Franklin Street, Suite 700
Boston, Massachusetts 02110

Re: REIT Tax Opinion

Ladies and Gentlemen:

We have acted as counsel to Plymouth Industrial REIT, Inc., a Maryland corporation (the "Company"), in connection with the preparation of a registration statement on Form S-11 (the "Registration Statement") filed with the Securities and Exchange Commission ("SEC") on May 21, 2018. This opinion letter is being provided at your request in connection with the filing of the Registration Statement.

In connection with rendering the opinions expressed below, we have examined originals (or copies identified to our satisfaction as true copies of the originals) of the following documents (collectively, the "Reviewed Documents"):

- (1) the Registration Statement;
- (2) the Second Articles of Amendment and Restatement of the Company, as amended (the "Charter");
- (3) the Company's Bylaws, as amended (the "Bylaws");
- (4) the Amended and Restated Agreement of Limited Partnership of Plymouth Industrial OP, LP ("Plymouth Industrial OP"), as amended;
- (5) the organizational documents of the subsidiaries of the Company and Plymouth Industrial OP; and
- (6) such other documents as may have been presented to us by the Company from time to time.

In addition, this opinion letter is subject to and conditioned upon the representations contained in a written officer's certificate to counsel executed by an officer of the Company and dated as of the date thereof (the "Certificate"). The initial and continuing truth and accuracy of the representations (and the performance of all covenants) contained in the Certificate at all relevant times constitutes an integral basis for the opinions expressed herein, and this opinion letter is conditioned upon the initial and continuing truth and accuracy of such representations (and the performance of all of such covenants) at all relevant times.

For purposes of this opinion letter, we have not made an independent investigation of the facts set forth in the Reviewed Documents, the Certificate, or any other documents or instruments that we reviewed. We consequently have assumed that the information presented in such documents or otherwise furnished to us accurately and completely describes all material facts relevant to our opinions. Any representation or statement in any document upon which we rely that is made "to the best of knowledge" or otherwise similarly qualified is assumed to be correct. Any alteration of such facts may adversely affect our opinions (in which event such opinions may not be relied upon).

In our review, we have assumed, with your consent, that all of the representations and statements of a factual nature set forth in the Reviewed Documents, the Certificate, and any other documents and instruments that we reviewed in connection with this opinion letter are true and correct, and all of the obligations imposed by any such documents on the parties thereto have been and will be performed or satisfied in accordance with their terms. We have also assumed the genuineness of all signatures, the proper execution of all documents, the authenticity of all documents submitted to us as originals, the conformity to originals of documents submitted to us as copies, and the authenticity of the originals from which any copies were made. We have also assumed that all records made available to us are accurate and complete.

The opinions set forth in this opinion letter are based on relevant provisions of the Internal Revenue Code of 1986, as amended (the "Code"), the regulations promulgated thereunder by the United States Department of the Treasury ("Regulations") (including proposed and temporary Regulations), and interpretations of the foregoing as expressed in court decisions, the legislative history, and existing administrative rulings and practices of the Internal Revenue Service ("IRS"), including its practices and policies in issuing private letter rulings, which are not binding on the IRS except with respect to a taxpayer that receives such a ruling, all as of the date hereof.

In rendering these opinions, we have assumed that the transactions contemplated by the Reviewed Documents will be consummated in accordance with the terms and provisions of such documents, and that such documents accurately reflect the material facts of such transactions. In addition, the opinions are based on the assumption that the Company, Plymouth Industrial OP, and their respective subsidiaries will each be operated in the manner described in the Registration Statement and the Charter, Bylaws, the Amended and Restated Agreement of Limited Partnership, as amended, of Plymouth Industrial OP, and the other organizational documents of each such entity and their subsidiaries, as the case may be, and all terms and provisions of such agreements and documents will be complied with by all parties thereto. We have also assumed, without investigation, that all documents, certificates, representations, warranties and covenants upon which we have relied in rendering the opinions set forth below and that were given or dated earlier than the date of this opinion letter continue to remain accurate, insofar as relevant to the opinions set forth herein, from such earlier date through and including the date of this opinion letter.

It should be noted that statutes, regulations, judicial decisions, and administrative interpretations are subject to change at any time and, in some circumstances, with retroactive effect. A material change that is made after the date hereof in any of the foregoing bases for our opinions could affect our conclusions. Furthermore, if the facts vary from those relied upon (including any representations, warranties, covenants, or assumptions upon which we have relied are inaccurate, incomplete, breached, or ineffective), our opinions might be adversely affected and if so may not be relied upon. Moreover, the qualification and taxation of the Company as a real estate investment trust under Sections 856 through 860 of the Code (a "REIT") depends upon its ability to meet, through actual annual operating results, distribution levels and diversity of share ownership and the various qualification tests imposed under the Code, the results of which will not be reviewed by the undersigned. Accordingly, no assurance can be given that the actual results of the operations of the Company for any one taxable year will satisfy such requirements.

Based upon and subject to the foregoing, we are of the opinion that:

(i) the Company has been organized and has operated in conformity with the requirements for qualification and taxation as a REIT under the Code for the taxable year ended December 31, 2012, through the taxable year ended December 31, 2017, and the Company's current organization and current intended method of operation will enable it to continue to meet the requirements for qualification and taxation as a REIT beginning with the Company's taxable year ending December 31, 2018; and

(ii) the discussion in the Registration Statement, under the heading "Material U.S. Federal Income Tax Considerations", to the extent that it constitutes matters of federal income tax law or legal conclusions relating thereto, is correct in all material respects.

The foregoing opinions are limited to the matters specifically discussed herein, which are the only matters to which you have requested our opinions. Other than as expressly stated above, we express no opinion on any issue relating to the Company or to any investment therein.

For a discussion relating the law to the facts and the legal analysis underlying the opinions set forth in this letter, we incorporate by reference the discussions of federal income tax issues, which we assisted in preparing, in the discussion in the Registration Statement under the heading "Material U.S. Federal Income Tax Considerations." We assume no obligation to advise you of any changes in the foregoing subsequent to the date of this opinion letter, and we are not undertaking to update the opinion letter from time to time. You should be aware that an opinion of counsel represents only counsel's best legal judgment, and has no binding effect or official status of any kind, and that no assurance can be given that contrary positions may not be taken by the IRS or that a court considering the issues would not hold otherwise.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the reference to Dentons US LLP contained in the Registration Statement. In giving this consent, we do not admit that we are included in the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended, or the rules and regulations promulgated thereunder by the SEC.

Very truly yours,

/s/ Dentons US LLP