

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL

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|                                                                                                                                                                                                             |                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| 1. Name and Address of Reporting Person *<br><b>TAICLET JAMES D JR</b><br><br>(Last) (First) (Middle)<br><b>116 HUNTINGTON AVENUE</b><br><br>(Street)<br><b>BOSTON MA 02116</b><br><br>(City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol<br><b>AMERICAN TOWER CORP /MA/ [ AMT ]</b><br><br>3. Date of Earliest Transaction (Month/Day/Year)<br><b>02/07/2017</b><br><br>4. If Amendment, Date of Original Filed (Month/Day/Year) | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br><div><input checked="" type="checkbox"/> Director 10% Owner</div> <div><input checked="" type="checkbox"/> Officer (give title below) Other (specify below)<br/><b>Chairman, President and CEO</b></div><br>6. Individual or Joint/Group Filing (Check Applicable Line)<br><div><input checked="" type="checkbox"/> Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div> |
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Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) |            |                         | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|-------------------------------------------------------------------|------------|-------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
|                                 |                                      |                                                    | Code                           | V | Amount                                                            | (A) or (D) | Price                   |                                                                                               |                                                          |                                                       |
| Common Stock                    | 02/07/2017                           |                                                    | M                              |   | 40,000                                                            | A          | \$28.39                 | 281,587                                                                                       | D                                                        |                                                       |
| Common Stock                    | 02/07/2017                           |                                                    | S <sup>(1)</sup>               |   | 40,000                                                            | D          | \$103.33 <sup>(2)</sup> | 241,587                                                                                       | D                                                        |                                                       |
| Common Stock                    |                                      |                                                    |                                |   |                                                                   |            |                         | 1,420                                                                                         | I                                                        | By children <sup>(3)</sup>                            |
| Common Stock                    |                                      |                                                    |                                |   |                                                                   |            |                         | 59,817                                                                                        | I                                                        | By GRAT                                               |

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |        | 6. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|---|----------------------------------------------------------------------------------------|--------|----------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|
|                                            |                                                        |                                      |                                                    | Code                           | V | (A)                                                                                    | (D)    | Date Exercisable                                         | Expiration Date | Title                                                                             | Amount or Number of Shares |                                            |                                                                                                    |                                                           |                                                        |
| Option to Purchase Common Stock            | \$28.39                                                | 02/07/2017                           |                                                    | M                              |   |                                                                                        | 40,000 | (4)                                                      | 03/10/2019      | Common Stock                                                                      | 40,000                     | \$0                                        | 69,760                                                                                             | D                                                         |                                                        |

Explanation of Responses:

1. The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 1, 2016.
2. Represents the weighted average price of shares sold in multiple same-day transactions at prices ranging from \$102.92 to \$103.72 per share.
3. The reporting person disclaims beneficial ownership in shares held by children.
4. This option was granted pursuant to the 2007 Equity Incentive Plan and is exercisable in 25% cumulative annual increments beginning March 10, 2010.

Remarks:

/s/ Mneesha O. Nahata, as attorney-in-fact

02/09/2017

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.