

AMENDED AND RESTATED BYLAWS

OF

TopBuild Corp.

As Amended July 29, 2019

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Article 1.

OFFICES

Section 1.01 Registered Office. The registered office of the Corporation shall be in the City of Wilmington, County of New Castle, State of Delaware.

Section 1.02 Other Offices. The Corporation may also have offices at such other places both within and without the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

Section 1.03 Books. The books of the Corporation may be kept within or without the State of Delaware as the Board of Directors may from time to time determine or the business of the Corporation may require.

Article 2.

MEETINGS OF STOCKHOLDERS

Section 2.01 Time and Place of Meetings. All meetings of stockholders shall be held at such place, if any, either within or without the State of Delaware, on such date and at such time as may be determined from time to time by the Board of Directors, or on such other date to which a meeting may be adjourned or rescheduled, at such time and place, if any, as shall be designated by resolution of the Board of Directors and set forth in the notice of such meeting.

Section 2.02 Annual Meetings. An annual meeting of stockholders, commencing with the year 2016, shall be held for the election of directors and to transact such other business as may properly be brought before the meeting.

Section 2.03 Special Meetings. Special meetings of the stockholders may be called only by the Chairman of the Board, the Chief Executive Officer, the President or a majority of the Board of Directors. Special meetings shall be held as shall be designated by resolution of the Board of Directors and set forth in the notice of such meeting, and the business transacted shall be confined to the purpose or purposes stated in the notice of the meeting.

Section 2.04 Notice of Meetings and Adjourned Meetings; Waivers of Notice.

(a) Whenever stockholders are required or permitted to take any action at a meeting, a written notice of the meeting shall be given which shall state the place, if any, date and hour of the meeting, the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, and, in the case of a special meeting, the purpose or purposes for which the meeting is called. Unless otherwise provided by law, such notice shall be given not less than 10 nor more than 60 days before the date of the meeting to each stockholder

of record entitled to vote at such meeting, as of the record date for determining the stockholders entitled to notice of the meeting. The Board of Directors or the chairman of the meeting may adjourn the meeting to another time or place, if any, whether or not a quorum is present, and notice need not be given of the adjourned meeting if the time, place, if any, and the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, are announced at the meeting at which such adjournment is made. At the adjourned meeting, the Corporation may transact any business which might have been transacted at the original meeting. If the adjournment is for more than 30 days, a notice of the adjourned meeting shall be given to each stockholder of record entitled to vote at the meeting. If after the adjournment a new record date for stockholders entitled to vote is fixed for the adjourned meeting, the Board of Directors shall fix a new record date for notice of such adjourned meeting in accordance with Section 6.01, and shall give notice of the adjourned meeting to each stockholder of record entitled to vote at such adjourned meeting as of the record date fixed for notice of such adjourned meeting.

(b) A written waiver of any such notice signed by the person entitled thereto, or a waiver by electronic transmission by the person entitled to notice, whether before or after the time stated therein, shall be deemed equivalent to notice. Attendance of a stockholder at a meeting, except when the stockholder attends a meeting for the express purpose of objecting, at the beginning of the meeting, to the transaction of any business because the meeting is not lawfully called or convened, shall constitute a waiver of notice of such meeting.

Section 2.05 Quorum. Unless otherwise required by law, by the Certificate of Incorporation or by these Bylaws, the presence, in person or by proxy, of the holders of a majority of the total voting power of all outstanding securities of the Corporation generally entitled to vote at a meeting of stockholders shall constitute a quorum for the transaction of business. If, however, such quorum shall not be present or represented at any meeting of the stockholders, the chairman of the meeting or a majority in voting interest of the stockholders present in person or represented by proxy may adjourn the meeting, without notice other than announcement at the meeting, until a quorum shall be present or represented. At such adjourned meeting at which a quorum shall be present or represented any business may be transacted that might have been transacted at the meeting as originally notified; but only those stockholders of record as originally noticed shall be entitled to vote at any adjournment or adjournments thereof.

Section 2.06 Voting.

(a) Unless otherwise provided in the Certificate of Incorporation and subject to law, each stockholder shall be entitled to one vote for each outstanding share of capital stock of the Corporation held by such stockholder. Any share of capital stock of the Corporation held by the Corporation shall have no voting rights. Except as otherwise required by law, the Certificate of Incorporation or these Bylaws, in all matters other than the election of directors (which shall be governed by Section 2.06(b)), the affirmative vote of the holders of a majority of the votes cast at the meeting on the subject matter shall be the act of the stockholders. In all matters, including the election of directors, abstentions and broker non-votes shall not be counted as votes cast.

(b) Subject to the rights of the holders of any class or series of preferred stock to elect additional directors under specific circumstances, as may be set forth in the certificate of designations for such class or series of preferred stock, a nominee for director shall be elected to the Board of Directors if the votes cast for such nominee's election exceed the votes cast against such nominee's election at any meeting of stockholders for the election of directors duly called and at which a quorum is present; provided, however, that directors shall be elected by a plurality of the votes cast if the Secretary of the Corporation determines that the number of nominees or Proposed Nominees (as defined below) for election exceeds the number of directors to be elected at such meeting as of the seventh (7) day preceding the date the Corporation files its definitive proxy statement for such meeting with the Securities and Exchange Commission (regardless of whether or not thereafter supplemented).

(c) Each stockholder entitled to vote at a meeting of stockholders or to express consent or dissent to a corporate action in writing without a meeting may authorize another person or persons to act for such stockholder by proxy, appointed by an instrument in writing, subscribed by such stockholder or by his attorney thereunto authorized, or by proxy sent by cable, telegram or by any means of electronic communication permitted by law, which results in a writing from such stockholder or by his attorney, and delivered to the secretary of the meeting. No proxy shall be voted after three (3) years from its date, unless said proxy provides for a longer period.

Section 2.07 No Action by Consent. Subject to the rights of the holders of any class or series of preferred stock then outstanding, as may be set forth in the certificate of designations for such class or series of preferred stock, any action required or permitted to be taken at any annual or special meeting of stockholders may be taken only upon the vote of stockholders at an annual or special meeting duly noticed and called in accordance with Delaware Law and may not be taken by written consent of stockholders without a meeting.

Section 2.08 Organization. At each meeting of stockholders, the Chairman of the Board of Directors, if one shall have been elected, the Chief Executive Officer or the President, shall preside at such meeting as more particularly provided in Article 4 hereof. In the event the Chairman of the Board, the Chief Executive Officer and the President shall be absent or otherwise unable to preside, then the director designated by the vote of the majority of the directors present at such meeting, shall act as chairman of the meeting. The Secretary (or in the Secretary's absence or inability to act, the person whom the chairman of the meeting shall appoint secretary of the meeting) shall act as secretary of the meeting and keep the minutes thereof.

Section 2.09 Order of Business. The order of business at all meetings of stockholders shall be as determined by the chairman of the meeting.

Section 2.10 Nomination of Directors and Proposal of Other Business.

(a) Annual Meetings of Stockholders.

(i) Nominations of persons for election to the Board of Directors or the proposal of other business to be transacted by the stockholders at an annual meeting of stockholders may be made only (A) pursuant to the Corporation's notice of meeting (or any supplement thereto), provided, however, that reference in the Corporation's notice of meeting (or any supplement thereto) to the election of directors or the election of members of the Board of Directors shall not include or be deemed to include nominations, (B) by or at the direction of the Board of Directors, (C) as may be provided in the certificate of designations for any class or series of the Corporation's preferred stock or (D) by any stockholder of the Corporation who is a stockholder of record at the time of giving of notice provided for in paragraph (ii) of this Section 2.10(a) and at the time of the annual meeting, who shall be entitled to vote at the meeting and who complies with the procedures set forth in this Section 2.10(a), and, except as otherwise required by law, any failure to comply with these procedures shall result in the nullification of such nomination or proposal.

(ii) For nominations or other business to be properly brought before an annual meeting of stockholders by a stockholder pursuant to clause (D) of paragraph (i) of this Section 2.10(a), the stockholder must have given timely notice thereof in writing to the Secretary of the Corporation, and any such proposed business (other than the nominations of persons for election to the Board of Directors) must constitute a proper matter for stockholder action. To be timely, a stockholder's notice shall be delivered to, or mailed and received by, the Secretary of the Corporation at the principal executive offices of the Corporation not less than 120 days nor more than 150 days prior to the first anniversary of the preceding year's annual meeting of stockholders; provided, however, that, if the date of the annual meeting is advanced more than 30 days prior to such anniversary date or delayed more than 70 days after such

anniversary date, then to be timely such notice must be received by the Corporation no earlier than 120 days prior to such annual meeting and no later than the later of 70 days prior to the date of the meeting or the 10th day following the day on which public announcement of the date of the meeting was first made by the Corporation. In no event shall the adjournment or postponement of any meeting, or any announcement thereof, commence a new time period (or extend any time period) for the giving of a stockholder's notice as described above.

(iii) A stockholder's notice to the Secretary shall set forth (A) as to each person whom the stockholder proposes to nominate for election or reelection as a director (a "Proposed Nominee"), (1) all information relating to such Proposed Nominee that is required to be disclosed in solicitations of proxies for election of directors, or is otherwise required, in each case pursuant to Regulation 14A under the Securities Exchange Act of 1934, as amended, including the rules and regulations promulgated thereunder (the "Exchange Act"); and (2) a reasonably detailed description of any compensatory, payment or other financial agreement, arrangement or understanding that such Proposed Nominee has with any other person or entity other than the Corporation, including the amount of any payment or payments received or receivable thereunder, in each case in connection with nomination or service as a director of the Corporation (a "Third-Party Compensation Arrangement"), (B) as to any other business that the stockholder proposes to bring before the meeting, a reasonably detailed description of the business desired to be brought before the meeting, the text of the proposal or business (including the text of any resolutions proposed for consideration and in the event that such business includes a proposal to amend these Bylaws, the text of the proposed amendment), the reasons for conducting such business and any material interest in such business of such stockholder and the beneficial owner, if any, on whose behalf the proposal is made (including any material interest of the respective "affiliates" or "associates" (as such terms are defined in Rule 12b-2 promulgated under the Exchange Act or in any successor to such Rule) of such stockholder and any such beneficial owner), as well as any benefits anticipated to be derived therefrom by such stockholder, beneficial owner, or any of their respective associates or affiliates, and (C) as to the stockholder giving the notice and the beneficial owner, if any, on whose behalf the proposal is made:

(1) the name and address of such stockholder (as it appears on the Corporation's books), any such beneficial owner, and their respective affiliates and associates or others acting in concert therewith;

(2) (A) the class or series and number of shares of the Corporation that are, directly or indirectly, owned beneficially or of record by such stockholder, such beneficial owner, and their respective affiliates and associates or others acting in concert therewith, (B) any option, warrant, convertible security, stock appreciation right, forwards, futures, swaps or any similar right with an exercise or conversion privilege or a settlement payment or mechanism at a price related to any class or series of shares of the Corporation or with a value derived in whole or in part from the value of any class or series of shares of the Corporation, or any derivative or synthetic arrangement having the characteristics of a long position in any class or series of shares of the Corporation, or any contract, derivative, swap or other transaction or series of transactions designed to produce economic benefits and risks that correspond substantially to the ownership of any class or series of shares of the Corporation, including due to the fact that the value of such contract, derivative, swap or other transaction or series of transactions is determined by reference to the price, value or volatility of any class or series of shares of the Corporation, whether or not such instrument, contract or right shall be subject to settlement in the underlying class or series of shares of the Corporation, through the delivery of cash or other property, or otherwise, and without regard to whether such stockholder, such beneficial owner, or any of their respective affiliates or

associates or others acting in concert therewith, may have entered into transactions that hedge or mitigate the economic effect of such instrument, contract or right, or any other direct or indirect opportunity to profit or share in any profit derived from any increase or decrease in the value of shares of the Corporation (any of the foregoing, a “Derivative Instrument”) directly or indirectly owned beneficially by such stockholder, such beneficial owner, or any of their respective affiliates or associates or others acting in concert therewith;

(3) a description of any agreement, arrangement or understanding, irrespective of form and including any Derivative Instrument, that has been entered into by or on behalf of, or any other agreement, arrangement or understanding that has been made, the effect or intent of which is to create or mitigate loss to, manage risk or benefit of share price changes for, or increase or decrease the voting power of, such stockholder, any such beneficial owner or their respective affiliates or associates with respect to the Corporation’s securities;

(4) a description of any agreement, arrangement or understanding between or among such stockholder and any such beneficial owner, any of their respective affiliates or associates, and any other person or persons (including their names) in connection with each Proposed Nominee or other business;

(5) a representation that the stockholder is a holder of record of stock of the Corporation entitled to vote at such meeting and intends to appear in person or by proxy at the meeting to bring such nomination or other business before the meeting;

(6) a representation as to whether such stockholder, any beneficial owner, or any of their respective affiliates or associates intend, or are part of a group that intends, to (i) deliver a proxy statement and/or form of proxy to holders of at least the percentage of the voting power of the Corporation’s outstanding capital stock required to approve or adopt the proposal or to elect each Proposed Nominee and/or (ii) otherwise to solicit proxies from stockholders in support of such proposal or nomination;

(7) any other information relating to such stockholder, beneficial owner, their respective affiliates or associates, Proposed Nominee or proposed business that would be required to be disclosed in a proxy statement or other filing required to be made in connection with the solicitation of proxies in support of such nominee or proposal pursuant to Section 14 of the Exchange Act; and

(8) such other information relating to any proposed item of business as the Corporation may reasonably require to determine whether such proposed item of business is a proper matter for stockholder action.

The foregoing notice requirements shall be deemed satisfied by a stockholder if the stockholder has complied with Rule 14a-8 (or any successor thereof) promulgated under the Exchange Act, and such stockholder’s proposal has been included pursuant to Rule 14a-8 in a proxy statement that has been prepared by the Corporation to solicit proxies for such annual meeting.

If requested by the Corporation, the information required to be provided by a stockholder and any beneficial owner pursuant to this Section 2.10(a) shall be updated by such stockholder and any such beneficial owner not later than 10 days after the record date for the meeting to disclose such information as of the record date.

(b) Special Meetings of Stockholders. If the election of directors is included as business to be brought before a special meeting in the Corporation's notice of meeting, then nominations of persons for election to the Board of Directors at a special meeting of stockholders may be made by any stockholder who is a stockholder of record at the time of giving of notice provided for in this Section 2.10(b) and at the time of the special meeting, who shall be entitled to vote at the meeting and who complies with the procedures set forth in this Section 2.10(b). For nominations to be properly brought by a stockholder before a special meeting of stockholders pursuant to this Section 2.10(b), the stockholder must have given timely notice thereof in writing to the Secretary of the Corporation. To be timely, a stockholder's notice shall be delivered to or mailed and received at the principal executive offices of the Corporation (i) not earlier than 150 days prior to the date of the special meeting nor (ii) later than the later of 120 days prior to the date of the special meeting or the 10th day following the day on which public announcement of the date of the special meeting was first made. A stockholder's notice to the Secretary shall comply with the notice requirements of Section 2.10(a)(iii).

(c) General.

(i) To be eligible to be a nominee for election as a director, the Proposed Nominee must provide to the Secretary of the Corporation in accordance with the applicable time periods prescribed for delivery of notice under Section 2.10(a)(i) or Section 2.10(b): (A) a completed D&O questionnaire (in the form provided by the secretary of the Corporation at the request of the nominating stockholder) containing information regarding the Proposed Nominee's background and qualifications and such other information as may reasonably be required by the Corporation to determine the eligibility of such Proposed Nominee to serve as a director of the Corporation or to serve as an independent director of the Corporation, (B) a written representation that, unless previously disclosed to the Corporation writing, the Proposed Nominee is not and will not become a party to any voting agreement, arrangement or understanding with any person or entity as to how such nominee, if elected as a director, will vote on any issue or that could limit or interfere with such person's ability to comply, if elected as a director, with his/her fiduciary duties under applicable law, (C) a written representation and agreement that the Proposed Nominee is not and will not become a party to any Third-Party Compensation Arrangement, (D) a written representation that, such Proposed Nominee, if elected, intends to tender, promptly following such election, an irrevocable resignation effective upon such person's failure to receive the required vote for reelection at the next meeting at which such Proposed Nominee would face reelection, and upon acceptance of such resignation by the Board of Directors, (E) a written representation that, if elected as a director, such Proposed Nominee would be in compliance and will continue to comply with the Corporation's corporate governance guidelines, as disclosed on the Corporation's website, together with all other corporate governance, conflict of interest, confidentiality, and stock ownership and trading policies and guidelines of the Corporation (which will be provided by the Secretary promptly upon written request), in each case as amended from time to time, (F) a written representation that such Proposed Nominee (i) consents to being named in the proxy statement as a nominee for director, (ii) consents to serve as a director if elected and (iii) currently intends to serve as a director for the full term for which such Proposed Nominee is standing for election, and (G) a list of all Derivative Instruments directly or indirectly owned beneficially by the Proposed Nominee and such Proposed Nominee's affiliates and associates. At the request of the Board of Directors, any person nominated by the Board of Directors for election as a director shall furnish to the Secretary of the Corporation the information that is required to be set forth in a stockholder's notice of nomination that pertains to such nominee.

(ii) No person shall be eligible to be nominated by a stockholder to serve as a director of the Corporation unless nominated in accordance with the procedures set forth in this Section 2.10. No business proposed by a stockholder shall be conducted at a stockholder meeting except in accordance with this Section 2.10

(iii) The chairman of the meeting shall, if the facts warrant, determine and declare to the meeting that a nomination was not made in accordance with the procedures prescribed by these Bylaws or that business was not properly brought before the meeting, and if he/she should so determine, he/she shall so declare to the meeting and the defective nomination shall be disregarded or such business shall not be transacted, as the case may be. Notwithstanding the foregoing provisions of this Section 2.10, unless otherwise required by law, if the stockholder (or a qualified representative of the stockholder) does not appear at the annual or special meeting of stockholders of the Corporation to present a nomination or other proposed business, such nomination shall be disregarded or such proposed business shall not be transacted, as the case may be, notwithstanding that proxies in respect of such vote may have been received by the Corporation and counted for purposes of determining a quorum. For purposes of this Section 2.10, to be considered a qualified representative of the stockholder, a person must be a duly authorized officer, manager or partner of such stockholder or must be authorized by a writing executed by such stockholder or an electronic transmission delivered by such stockholder to act for such stockholder as proxy at the meeting of stockholders and such person must produce such writing or electronic transmission, or a reliable reproduction of the writing or electronic transmission, at the meeting of stockholders.

(iv) Without limiting the foregoing provisions of this Section 2.10, a stockholder shall also comply with all applicable requirements of the Exchange Act with respect to the matters set forth in this Section 2.10; provided, however, that any references in these Bylaws to the Exchange Act are not intended to and shall not limit any requirements applicable to nominations or proposals as to any other business to be considered pursuant to this Section 2.10, and compliance with paragraphs (a)(i)(D) and (b) of this Section 2.10 shall be the exclusive means for a stockholder to make nominations or submit other business (other than as provided in Section 2.10(c)(v)).

(v) Notwithstanding anything to the contrary, the notice requirements set forth herein with respect to the proposal of any business pursuant to this Section 2.10 shall be deemed satisfied by a stockholder if such stockholder has submitted a proposal to the Corporation in compliance with Rule 14a-8 under the Exchange Act, and such stockholder's proposal has been included in a proxy statement that has been prepared by the Corporation to solicit proxies for the meeting of stockholders.

Section 2.11 Inspectors at Stockholders' Meetings.

(a) The Board of Directors, in advance of any stockholders' meeting, shall appoint one or more inspectors to act at the meeting or any adjournment thereof and to make a written report thereof. In case any inspector or alternate appointed is unable to act, the chairman of the meeting shall appoint one or more inspectors to act at the meeting. Each inspector, before entering upon the discharge of his duties, shall take and sign an oath faithfully to execute the duties of inspector at such meeting with strict impartiality and according to the best of his ability.

(b) The inspectors shall determine the number of shares outstanding and the voting power of each, the shares represented at the meeting, the existence of a quorum, the validity and effect of proxies, and shall receive votes, ballots or consents, hear and determine all challenges and questions arising in connection with the right to vote, count and tabulate all votes, ballots or consents, determine the result, and do such acts as are proper to conduct the election in a manner fair to all stockholders. On request of the chairman of the meeting or any stockholder entitled to vote thereat, the inspectors shall make a report in writing of any challenge, question or matter determined by them and execute a certificate of any fact found by them. Any report or certificate made by them shall be prima facie evidence of the facts stated and of the vote as certified by them.

Article 3.

DIRECTORS

Section 3.01 General Powers. Except as otherwise provided by law or the Certificate of Incorporation, the business and affairs of the Corporation shall be managed by or under the direction of the Board of Directors.

Section 3.02 Number, Election and Term of Office. The Board of Directors shall consist of not less than 5 nor more than 12 directors, with the exact number of directors to be determined from time to time solely by resolution adopted by the affirmative vote of a majority of the Board. Each director shall serve for a term ending on the date of the annual meeting of stockholders next following the annual meeting at which such director was elected; provided that each director shall hold office until such director's successor shall have been duly elected and qualified or until such director's earlier death, resignation or removal. Directors need not be stockholders.

Section 3.03 Quorum and Manner of Acting. Unless the Certificate of Incorporation or these Bylaws require a greater number, a majority of the Board of Directors shall constitute a quorum for the transaction of business at any meeting of the Board of Directors and, except as otherwise expressly required by law or by the Certificate of Incorporation, the act of a majority of the directors present at a meeting at which a quorum is present shall be the act of the Board of Directors. When a meeting is adjourned to another time or place (whether or not a quorum is present), notice need not be given of the adjourned meeting if the time and place thereof are announced at the meeting at which the adjournment is taken. At the adjourned meeting, the Board of Directors may transact any business which might have been transacted at the original meeting. If a quorum shall not be present at any meeting of the Board of Directors, the directors present thereat (or if only one be present, then that one) shall adjourn the meeting, from time to time, without notice other than announcement at the meeting, until a quorum shall be present.

Section 3.04 Time and Place of Meetings. The Board of Directors shall hold its regular and special meetings at such place, either within or without the State of Delaware, and at such time as may be determined from time to time by the Board of Directors (or the Chairman of the Board of Directors in the absence of a determination by the Board of Directors).

Section 3.05 Annual Meeting. The Board of Directors shall meet for the purpose of organization, the election of officers and the transaction of other business, as soon as practicable after each annual meeting of stockholders, on the same day and at the same place where such annual meeting shall be held. Notice of such meeting need not be given. In the event such annual meeting is not so held, the annual meeting of the Board of Directors may be held at such place either within or without the State of Delaware, on such date and at such time as shall be specified in a notice thereof given as hereinafter provided in Section 3.07 herein or in a waiver of notice thereof signed by any director who chooses to waive the requirement of notice.

Section 3.06 Regular Meetings. After the place and time of regular meetings of the Board of Directors shall have been determined and notice thereof shall have been once given to each member of the Board of Directors, regular meetings may be held without further notice being given.

Section 3.07 Special Meetings. Special meetings of the Board of Directors may be called by the Chairman of the Board of Directors, the Chief Executive Officer or the President and shall be called by the Chairman of the Board of Directors, Chief Executive Officer, President or the Secretary, on the written request of three directors. Notice of special meetings of the Board of Directors shall be given to each director at least 48 hours before the date of the meeting in such manner as is determined by the Board of Directors. Any requirement of notice shall be effectively waived by any director who signs a waiver of notice before or after the meeting or who waives notice by means of electronic submission or

who attends the meeting without protesting (prior thereto or at its commencement) the fact that the meeting has not been lawfully called or convened

Section 3.08 Committees. The Board of Directors, by resolution adopted by a majority of the Board, may designate one or more committees, each committee to consist of such number of directors as shall be specified in the resolution designating the committee. Unless otherwise provided by the Board of Directors each committee may make, alter and repeal rules for the conduct of its business. Any such committee, to the extent provided in the resolution of the Board of Directors, shall have and may exercise all the powers and authority of the Board of Directors in the management of the business and affairs of the Corporation, and may authorize the seal of the Corporation to be affixed to all papers which may require it; but no such committee shall have the power or authority in reference to the following matters: (a) approving or adopting, or recommending to the stockholders, any action or matter expressly required by Delaware Law to be submitted to the stockholders for approval or (b) adopting, amending or repealing any Bylaw of the Corporation. Each committee shall keep regular minutes of its meetings and report the same to the Board of Directors when required. The Board of Directors may designate one or more directors as alternate members of any committee, who may replace any absent or disqualified member at any meeting of the committee. In the absence or disqualification of a member of a committee, the member or members present at any meeting and not disqualified from voting, whether or not such member or members constitute a quorum, may unanimously appoint another member of the Board of Directors to act at the meeting in the place of any such absent or disqualified member. Vacancies in any committee, whether caused by resignation or by increase in the number of members constituting said committee, shall be filled by a majority of the entire Board of Directors.

Section 3.09 Action by Consent. Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, any action required or permitted to be taken at any meeting of the Board of Directors or of any committee thereof may be taken without a meeting, if all members of the Board of Directors or committee, as the case may be, consent thereto in writing or by electronic transmission, and the writing or writings or electronic transmission or transmissions, are filed with the minutes of proceedings of the Board of Directors or committee. Such filing shall be in paper form if the minutes are maintained in paper form and shall be in electronic form if the minutes are maintained in electronic form.

Section 3.10 Telephonic Meetings. Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, members of the Board of Directors, or any committee designated by the Board of Directors, may participate in a meeting of the Board of Directors, or such committee, as the case may be, by means of conference telephone or other communications equipment by means of which all persons participating in the meeting can hear each other, and such participation in a meeting shall constitute presence in person at the meeting.

Section 3.11 Resignation.

(a) Any director may resign from the Board of Directors at any time by giving notice to the Board of Directors or to the Secretary of the Corporation. Any such notice must be in writing or by electronic transmission to the Board of Directors or to the Secretary of the Corporation. The resignation of any director shall take effect upon receipt of notice thereof or at such later time as shall be specified in such notice; and unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

(b) No person shall be eligible to be nominated by the Board of Directors to serve as a director of the Corporation unless the proposed nominee has agreed to tender, promptly following the annual meeting at which he or she is elected as director, an irrevocable resignation effective upon such person's failure to receive the required vote for reelection at the next meeting at which such person would face reelection, and upon acceptance of such resignation by the Board of Directors. If a director nominee fails to receive the required number of votes for reelection, the Board of Directors (excluding the director in question) shall, within 90 days after certification of the election results,

decide whether to accept the director's resignation. Absent a compelling reason for the director to remain on the Board of Directors, the Board of Directors shall accept the resignation. The Board of Directors shall promptly disclose its decision and, if applicable, the reasons for rejecting the resignation in a filing with the Securities and Exchange Commission.

Section 3.12 Vacancies. Unless otherwise provided in the Certificate of Incorporation, vacancies on the Board of Directors resulting from death, resignation, removal or otherwise and newly created directorships resulting from any increase in the number of directors shall, except as otherwise required by law, be filled solely by a majority of the directors then in office (although less than a quorum) or by the sole remaining director, and each director so elected shall hold office for a term expiring at the next succeeding annual meeting of stockholders; provided that such director shall hold office until such director's successor shall have been duly elected and qualified or until such director's earlier death, resignation or removal. If there are no directors in office, then an election of directors may be held in accordance with Delaware Law. Unless otherwise provided in the Certificate of Incorporation, when one or more directors shall resign from the Board of Directors, effective at a future date, a majority of the directors then in office, including those who have so resigned, shall have the power to fill such vacancy or vacancies, the vote thereon to take effect when such resignation or resignations shall become effective, and each director so chosen shall hold office as provided in the filling of the other vacancies. The Board of Directors shall not fill a director vacancy or newly created directorship with any candidate who has not agreed to tender, promptly following his or her appointment to the Board of Directors, an irrevocable resignation effective upon such person's failure to receive the required vote for reelection at the next meeting at which such person would face reelection, and upon acceptance of such resignation by the Board of Directors.

Section 3.13 [reserved].

Section 3.14 Compensation. Unless otherwise restricted by the Certificate of Incorporation or these Bylaws, the Board of Directors shall have authority to fix the compensation of directors, including fees and reimbursement of expenses.

Section 3.15 Preferred Stock Directors. Notwithstanding anything else contained herein, whenever the holders of one or more classes or series of preferred stock shall have the right, voting separately as a class or series, to elect directors, the election, term of office, filling of vacancies, removal and other features of such directorships shall be governed by the terms of the resolutions applicable thereto adopted by the Board of Directors pursuant to the Certificate of Incorporation, and such directors so elected shall not be subject to the provisions of Sections 3.02, 3.12 and 3.13 of this Article 3 unless otherwise provided therein.

Article 4.

OFFICERS

Section 4.01 Principal Officers. The principal officers of the Corporation shall be a Chief Executive Officer, a President, one or more Vice Presidents, a Treasurer and a Secretary who shall have the duty, among other things, to record the proceedings of the meetings of stockholders and directors in a book kept for that purpose. The Corporation may also have such other principal officers, including one or more Controllers, as the Board of Directors may in its discretion appoint. One person may hold the offices and perform the duties of any two or more of said offices, except that no one person shall hold the offices and perform the duties of President and Secretary.

Section 4.02 Appointment, Term of Office and Remuneration. The principal officers of the Corporation shall be appointed by the Board of Directors in the manner determined by the Board of Directors. Each such officer shall hold office until his or her successor is appointed, or until his or her earlier death, resignation or removal. The remuneration of all officers of the Corporation shall be fixed

by the Board of Directors. Any vacancy in any office shall be filled in such manner as the Board of Directors shall determine.

Section 4.03 Subordinate Officers. In addition to the principal officers enumerated in Section 4.01 herein, the Corporation may have one or more Assistant Treasurers, Assistant Secretaries and Assistant Controllers and such other subordinate officers, agents and employees as the Board of Directors may deem necessary, each of whom shall hold office for such period as the Board of Directors may from time to time determine. The Board of Directors may delegate to any principal officer the power to appoint and to remove any such subordinate officers, agents or employees.

Section 4.04 Chief Executive Officer. Subject to the provisions of these Bylaws and to the direction of the Board of Directors, the Chief Executive Officer shall have the responsibility for the general management and control of the business and affairs of the Corporation and shall perform all duties and have all powers which are commonly incident to the office of the chief executive or which are delegated to him by the Board of Directors. The Chief Executive Officer shall have the power on behalf of the Corporation to enter into, execute and deliver all contracts, instruments, conveyances or documents and to affix the corporate seal thereto and shall have general supervision and direction of all other officers, employees and agents of the Corporation, subject in all cases to the orders and resolutions of the Board of Directors.

Section 4.05 President. The President shall be the chief operating and administrative officer of the Corporation. The President shall have general responsibility for the management and control of the operations and administration of the Corporation and shall perform all duties and have all powers which are commonly incident to the office of the president or which are delegated to him by the Board of Directors. The President shall have the power on behalf of the Corporation to enter into, execute and deliver all contracts, instruments, conveyances or documents and to affix the corporate seal thereto and shall have general supervision and direction of all other officers, employees and agents of the Corporation, subject in all cases to the orders and resolutions of the Board of Directors and to the direction of the Chief Executive Officer.

Section 4.06 Vice President. Each Vice President shall have such powers and duties as may be delegated to him or her by the Board of Directors. One Vice President shall be designated by the Board of Directors to perform the duties and exercise the powers of the President in the event of the President's absence or disability.

Section 4.07 Secretary. The Secretary shall issue all authorized notices for, and shall keep minutes of all meetings of the stockholders and the Board of Directors. The Secretary shall have charge of the corporate books and shall perform such other duties as the Board of Directors may from time to time prescribe.

Section 4.08 Treasurer. The Treasurer shall have the responsibility for maintaining the financial records of the Corporation. The Treasurer shall make such disbursements of the funds of the Corporation as are authorized and shall render from time to time and account of all such transactions and of the financial condition of the Corporation. The Treasurer shall also perform such other duties as the Board of Directors may from time to time prescribe.

Section 4.09 Removal. Except as otherwise permitted with respect to subordinate officers, any officer may be removed, with or without cause, at any time, by resolution adopted by the Board of Directors.

Section 4.10 Resignations. Any officer may resign at any time by giving notice to the Board of Directors (or to a principal officer if the Board of Directors has delegated to such principal officer the power to appoint and to remove such officer). Any such notice must be in writing. The resignation of any officer shall take effect upon receipt of notice thereof or at such later time as shall be specified in

such notice; and unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

Section 4.11 Powers and Duties. The officers of the Corporation shall have such powers and perform such duties incident to each of their respective offices and such other duties as may from time to time be conferred upon or assigned to them by the Board of Directors.

Article 5.

CAPITAL STOCK

Section 5.01 Certificates For Stock; Uncertificated Shares. The shares of the Corporation shall be represented by certificates, provided that the Board of Directors may provide by resolution or resolutions that some or all of any or all classes or series of its stock shall be uncertificated shares or a combination of certificated and uncertificated shares. Any such resolution that shares of a class or series will only be uncertificated shall not apply to shares represented by a certificate until such certificate is surrendered to the Corporation. Except as otherwise required by law, the rights and obligations of the holders of uncertificated shares and the rights and obligations of the holders of shares represented by certificates of the same class and series shall be identical. Every holder of stock represented by certificates shall be entitled to have a certificate signed by, or in the name of the Corporation by any two authorized officers of the Corporation representing the number of shares registered in certificate form. Each of the President and the Secretary, in addition to any other officers of the corporation authorized by the Board of Directors or these Bylaws, is hereby authorized to sign certificates by, or in the name of, the Corporation. Any or all of the signatures on the certificate may be a facsimile. In case any officer, transfer agent or registrar who has signed or whose facsimile signature has been placed upon a certificate shall have ceased to be such officer, transfer agent or registrar before such certificate is issued, it may be issued by the Corporation with the same effect as if such person were such officer, transfer agent or registrar at the date of issue. The Corporation shall not have the power to issue a certificate in bearer form.

Section 5.02 Transfer of Shares. Shares of the stock of the Corporation may be transferred on the record of stockholders of the Corporation by the holder thereof or by such holder's duly authorized attorney upon surrender of a certificate therefor properly endorsed or upon receipt of proper transfer instructions from the registered holder of uncertificated shares or by such holder's duly authorized attorney and upon compliance with appropriate procedures for transferring shares in uncertificated form, unless waived by the Corporation. The person in whose name shares of stock shall stand on the record of stockholders of the Corporation shall be deemed the owner thereof for all purposes regarding the Corporation.

Section 5.03 Lost, Destroyed or Stolen Certificates. No certificate representing shares shall be issued in place of any certificate alleged to have been lost, destroyed or stolen, except on production of evidence of such loss, destruction or theft, and if the Board of Directors shall so require, bond in such amount and in such form as they may deem expedient to indemnify the Corporation, and/or the transfer agents, and/or the registrars of its stock against any claims arising in connection therewith, and secured by such surety as the Board of Directors may in its discretion require.

Section 5.04 Authority for Additional Rules Regarding Transfer. The Board of Directors shall have the power and authority to make all such rules and regulations as they may deem expedient concerning the issue, transfer and registration of certificated or uncertificated shares of the stock of the Corporation, as well as for the issuance of new certificates in lieu of those which may be lost, destroyed or stolen.

Article 6.

GENERAL PROVISIONS

Section 6.01 Fixing the Record Date.

(a) In order that the Corporation may determine the stockholders entitled to notice of any meeting of stockholders or any adjournment thereof, the Board of Directors may fix a record date, which record date shall not precede the date upon which the resolution fixing such record date is adopted by the Board of Directors, and which record date shall not be more than 60 nor less than 10 days before the date of such meeting. If the Board of Directors so fixes a date, such date shall also be the record date for determining the stockholders entitled to vote at such meeting unless the Board of Directors determines, at the time it fixes such record date, that a later date on or before the date of the meeting shall be the date for making such determination. If no record date is fixed by the Board of Directors, the record date for determining stockholders entitled to notice of or to vote at a meeting of stockholders shall be at the close of business on the day next preceding the day on which notice is given, or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held. A determination of stockholders of record entitled to notice of or to vote at a meeting of stockholders shall apply to any adjournment of the meeting; provided that the Board of Directors may in its discretion or as required by law fix a new record date for determination of stockholders entitled to vote at the adjourned meeting, and in such case shall fix the same date or an earlier date as the record date for stockholders entitled to notice of such adjourned meeting.

(b) In order that the Corporation may determine the stockholders entitled to receive payment of any dividend or other distribution or allotment of any rights or the stockholders entitled to exercise any rights in respect of any change, conversion or exchange of stock, or for the purpose of any other lawful action, the Board of Directors may fix a record date, which record date shall not precede the date upon which the resolution fixing the record date is adopted, and which record date shall be not more than 60 days prior to such action. If no record date is fixed, the record date for determining stockholders for any such purpose shall be at the close of business on the day on which the Board of Directors adopts the resolution relating thereto.

Section 6.02 Dividends. Subject to limitations contained in Delaware Law and the Certificate of Incorporation, the Board of Directors may declare and pay dividends upon the shares of capital stock of the Corporation, which dividends may be paid either in cash, in property or in shares of the capital stock of the Corporation.

Section 6.03 Year. The fiscal year of the Corporation shall commence on January 1 and end on December 31 of each year.

Section 6.04 Corporate Seal. The Board of Directors may adopt a corporate seal, which shall have inscribed thereon the name of the Corporation, the year of its organization and the words "Corporate Seal, Delaware". The seal may be used by causing it or a facsimile thereof to be impressed, affixed or otherwise reproduced.

Section 6.05 Voting of Stock Owned by the Corporation. The Board of Directors may authorize any person, on behalf of the Corporation, to attend, vote at and grant proxies to be used at any meeting of stockholders of any corporation (except this Corporation) in which the Corporation may hold stock.

Section 6.06 Forum Selection. Unless the Corporation consents in writing to the selection of an alternative forum (an "Alternative Forum Consent"), the sole and exclusive forum for (a) any derivative action or proceeding brought on behalf of the Corporation, (b) any action asserting a claim of breach of a fiduciary duty owed by any director, officer, stockholder, employee or agent of the Corporation to the Corporation or the Corporation's stockholders, (c) any action asserting a claim against the Corporation or any director, officer, stockholder, employee or agent of the Corporation arising out of or relating to any provision of the Delaware General Corporation Law or the Certificate of Incorporation or these Bylaws (in each case, as they may be amended from time to time), or (d) any action asserting a claim

against the Corporation or any director, officer, stockholder, employee or agent of the Corporation governed by the internal affairs doctrine of the State of Delaware shall be the Court of Chancery of the State of Delaware; provided, however, that in the event that the Court of Chancery of the State of Delaware lacks subject matter jurisdiction over such proceeding, the sole and exclusive forum for such action or proceeding shall be another state or federal court located within the State of Delaware, in each case, unless the Court of Chancery (or such other state or federal court located within the State of Delaware, as applicable) has dismissed a prior action by the same plaintiff asserting the same claims because such court lacked personal jurisdiction over an indispensable party named as a defendant therein. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Corporation shall be deemed to have notice of and consented to the provisions of this Section 6.06. The existence of any Alternative Forum Consent shall not act as a waiver of the Corporation's ongoing consent right as set forth above in this Section 6.06 with respect to any current or future actions or claims.

Section 6.07 Amendments. These Bylaws or any of them, may be altered, amended or repealed, or new Bylaws may be made, by the stockholders entitled to vote thereon at any annual or special meeting thereof or by the Board of Directors. Unless a higher percentage is required by the Certificate of Incorporation as to any matter that is the subject of these Bylaws, all such amendments must be approved by the affirmative vote of the holders of not less than a majority of the total voting power of all outstanding securities of the Corporation, generally entitled to vote in the election of directors, voting together as a single class, or by a majority of the Board of Directors, provided that notices of the proposed amendments shall have been sent to all directors not less than three days before the meeting at which they are to be acted upon, or at any regular meeting of the directors by the unanimous vote of all directors present.