

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): May 28, 2019

Atomera Incorporated

(Exact name of registrant as specified in its charter)

Delaware
(State or Other Jurisdiction
of Incorporation)

001-37850
(Commission File
Number)

30-0509586
(I.R.S. Employer
Identification Number)

750 University Avenue, Suite 280
Los Gatos, California 95032
(Address of principal executive offices) (zip code)

(408) 442-5248
(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

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

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

Emerging growth company ☒

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

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common stock: Par value \$.001	ATOM	Nasdaq Capital Market

Item 1.01 Entry into a Material Definitive Agreement.

On May 28, 2019, Atomera Incorporated (the “Company”) entered into a Securities Purchase Agreement (the “Securities Purchase Agreement”) with seven institutional and accredited investors for the purchase of 1,675,000 shares (“Shares”) of common stock, at an offering price of \$4.00 per Share, in a registered direct offering, for expected gross proceeds of approximately \$6.7 million before placement agent fees and other offering expenses payable by the Company. All of the Shares are being sold by the Company.

National Securities Corporation, a wholly-owned subsidiary of National Holdings Corporation (NasdaqCM: NHLD), is acting as sole placement agent for the offering pursuant to an engagement letter agreement with the Company dated May 28, 2019. A copy of the an engagement letter agreement is attached hereto as Exhibit 1.1 and is incorporated herein by reference.

The Shares will be issued pursuant to a shelf registration statement that the Company filed with the Securities and Exchange Commission, which became effective on October 13, 2017 (File No. 333-219782). A prospectus supplement relating to the offering will be filed with the Securities and Exchange Commission on or about May 29, 2019. The closing of the offering is expected to take place on or about May 30, 2019, subject to the satisfaction of customary closing conditions.

The Securities Purchase Agreement includes customary representations, warranties and covenants by the Company and customary conditions to closing, obligations of the parties and termination provisions. A copy of the Securities Purchase Agreement is attached hereto as Exhibit 10.1 and is incorporated herein by reference.

A copy of the legal opinion and consent of Greenberg Traurig, LLP relating to the Shares is attached hereto as Exhibit 5.1.

Item 8.01 Other Events.

The Company issued a press release on May 29, 2019 announcing the registered direct offering. The press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits

(d)	Exhibits	Method of Filing
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The following exhibits are filed with this report:

1.1	Engagement Letter Agreement dated May 28, 2019 between the Company and National Securities Corporation	Filed electronically herewith
5.1	Opinion of Greenberg Traurig, LLP regarding legality of the shares	Filed electronically herewith
10.1	Securities Purchase Agreement dated as of May 28, 2019 between the Company and the Purchasers named therein	Filed electronically herewith
23.1	Consent of Greenberg Traurig, LLP (included in Exhibit 5.1)	Filed electronically herewith
99.1	Press release dated May 29, 2019 regarding the offering	Filed electronically herewith

SIGNATURES

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

May 29, 2018

ATOMERA INCORPORATED

By: /s/ Scott A. Bibaud

Scott A. Bibaud,
President and Chief Executive Officer

May 28, 2019

Atomera Incorporated
750 University Avenue, Suite 280
Los Gatos, California 95032

Re: Engagement Agreement Dear Sir or Madame:

This letter agreement (the “Agreement”) sets forth the terms and conditions that will govern Atomera Incorporated’s (together with its subsidiaries and successors, the “Company”) engagement (the “Engagement”) of National Securities Corporation (“NSC”), a Washington corporation. As set forth below, the Company hereby engages NSC as the Company’s exclusive financial advisor and placement agent in connection with an offering or series of offerings of Company securities and other investment banking transactions.

1. Exclusive Appointment; Services.

a. Financing. The Company hereby appoints NSC to act as its placement agent in connection with the sale of its equity securities, including but not limited to equity, convertible debt, equity-linked securities, or equity capital commitments (“Securities”) to one or more financial, strategic, accredited, or other investors. The transaction currently contemplated consists of a registered direct offering of approximately \$4-6 million of shares of common stock (the “Registered Direct Transaction”). However, it is understood that the manner, size, and timing of the contemplated transactions and Securities offered may change, and more or fewer transactions may occur, and the appointment of NSC, as contemplated herein, covers any and all offerings or sales by the Company of any type or form, including but not limited to private placements, registered direct offerings, institutional offerings under Rule 144A and similar arrangements and public offerings (excluding sales to employees or sales to non- institutional strategic investors), on any basis, agency or underwritten (each, an “Offering”).

b. Exclusivity. During the term of this Agreement, the Company will not, nor will it permit any of its advisors or representatives, without the prior written consent of NSC, to engage any party other than NSC to act as placement agent or underwriter for any Offering, act as a financial advisor with respect to a Transaction or to perform any other financial advisory, underwriting, or investment banking services for the Company. If the Company or, to the Company’s knowledge, any of its subsidiaries, stockholders, members, partners, affiliates, advisors or representatives, is contacted by any person concerning an Offering or a Transaction, the Company shall provide to NSC all relevant details of the inquiry.

c. Services. NSC represents and warrants that it is a licensed broker/dealer under applicable federal and state securities law. NSC shall assist the Company in identifying investors and potential purchasers, carrying out due diligence with respect to any potential Offering or Transaction, and analyzing, structuring, and negotiating the contemplated Offering(s) or Transaction on the terms and conditions set forth herein. However, nothing contained herein constitutes a commitment or guarantee, express or implied, that any Offering or Transaction will be consummated. NSC will not have the power or authority to bind the Company to any sale of the Securities, and any Offering or Transaction will be conducted at a price and on terms satisfactory to the Company.

2. Compensation.

a. Offerings. As consideration for the services provided under this Agreement in connection with an Offering, the Company will pay NSC a fee as follows:

(i) Fee. The Company shall pay NSC a cash fee (the "Cash Fee") equal to four percent (4%) of the gross proceeds of any Offering during the Term (subject to Section 2.a(iii) below), which is due and payable at the time of each closing of such an Offering ("Closing") exclusively from the proceeds thereof (directly from escrow, if an escrow account is used).

(ii) Other Fee Provisions; Fee Tail. Upon termination of this Agreement for any reason, the Company shall promptly pay NSC its accrued but unpaid fees and unreimbursed expenses incurred up to and as of the date of termination. Notwithstanding any termination of this Agreement, NSC shall be entitled to the entire Cash Fee set forth in Section 2a(i) if, within one (1) year following the later to occur of (i) the termination of this Agreement or (ii) the most recent closing of any Offering arranged by NSC (the "Tail Period"), the Company consummates or enters into an agreement for an Offering with any person or entity with which NSC discussed an Offering during the Term in compliance with this Agreement (such persons or entities "Applicable Tail Investors"). Any and all such Cash Fees shall be payable upon the closing of any such Offering. Notwithstanding the foregoing, if during the Tail Period the Applicable Tail Investor participates in any Offering that is registered under the Securities Act as a public offering of Securities by the Company, then the fee tail provision of this section will not apply.

(iii) Expenses. Promptly upon request, the Company shall reimburse NSC for all reasonable out-of-pocket expenses incurred in connection with an Offering under this Engagement, including but not limited to reasonable travel, printing, and the fees and expenses of legal counsel and any other independent advisors selected and retained by NSC provided such reimbursement shall not in any event exceed \$10,000 without the Company's approval.

b. Payments. All payments to be made to NSC hereunder will be made in cash by wire transfer of immediately available U.S. funds. Except as expressly set forth herein, no fee payable to NSC hereunder shall be credited against any other fee due to NSC. The obligation to pay any fee or expense set forth herein shall be absolute and unconditional and shall not be subject to reduction by way of setoff, recoupment or counterclaim.

3. Manner of Offering; Representations, Warranties and Covenants of the Company. The Company represents, warrants and agrees that:

a. Due Diligence. The Company will fully cooperate with NSC in any due diligence investigation reasonably requested by NSC in connection with the Engagement and will use commercially reasonable efforts (or in the case of a request in connection with a Public Offering, best efforts) to furnish NSC with such information with respect to the business, operations, assets, liabilities, financial condition and prospects of the Company, including but not limited to financial statements, certificates of its senior officers regarding such information, and customary opinions of counsel and customary letters or opinions of accountants, and such other documents as NSC may from time to time reasonably request (the "Company Information") to assist in preparing a private placement memorandum, registration statement, or similar document for use in connection with any Offering and will provide NSC with access to the officers, directors, employees, accountants, counsel and other representatives (collectively, the "Representatives") of the Company. The Company represents and warrants that all Company Information provided to NSC, including but not limited to the Company's financial statements, will be complete and correct in all material respects and will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. The Company acknowledges and confirms that NSC (i) will use and rely upon the accuracy and completeness of all such Company Information without independently investigating or verifying same; (ii) has not been retained to independently verify any such Company Information; (iii) assumes no responsibility for the accuracy, completeness, or adequacy for any purpose of such Company Information or any other information regarding the Company; and (iv) will not make any appraisal of any assets of the Company.

b. Offering Materials. The Company will be solely responsible for the contents of the private placement memorandum, registration statement, or other offering document (as such may be amended or supplemented from time to time, and including any information incorporated therein by reference, the "Offering Materials") and any and all other written or oral communications provided by or on behalf of the Company to any actual or prospective purchaser of the Securities, and the Company represents and warrants that the Offering Materials and such other communications will not, as of the date of the offer or sale of the Securities, contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading. With respect to any financial projections that may be contained in the Offering Materials (the "Projections"), the Company represents and warrants that the Projections will be made with a reasonable basis and in good faith and that the Projections will represent the best then-available estimate and judgment as to the future financial performance of the Company based on the assumptions to be disclosed therein, which assumptions will be all the assumptions that are material in forecasting the financial results of the Company and which will reflect the best then-available estimate of the events, contingencies and circumstances described therein. The Company authorizes NSC to provide the Offering Materials and related communications to prospective and final purchasers of the Securities.

If, at any time prior to the completion of the offer and sale of the Securities, an event occurs that would cause the Offering Materials or other selling communications to contain an untrue statement of a material fact or to omit to state a material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading, or that would cause a material change in the Company's view of the likelihood of achievement of the Projections or the reasonableness of the underlying assumptions, then the Company will notify NSC immediately of such event, and NSC will suspend solicitations of the prospective purchasers of the Securities until such time as the Company shall prepare a supplement or amendment to the Offering Materials, and selling communications that corrects such statement or omission or revises the Projections or such assumptions.

c. Reliance Upon Company Representations and Opinions of Counsel, Etc. The Company agrees that any representations and warranties made by it to any investor in the Registered Direct Transaction shall be deemed also to be made to NSC for its benefit, and NSC shall be entitled to rely upon the same opinions of counsel and accountant's letters that are provided to purchasers of the Securities in such Offering. Accordingly, the Company shall use commercially reasonable efforts to cause any such opinion or letter delivered to any investors in the Offering also to be addressed and delivered to NSC, or to cause such counsel or accountant to deliver to NSC a letter authorizing it to rely upon such opinion or letter. In connection with any underwritten Public Offering, the Company and NSC expect to enter into a mutually agreeable underwriting agreement in customary form, which would be expected to supersede this Engagement Agreement. For convenience and clarity of public disclosure, the parties agree to cooperate and attempt in good faith to incorporate Material Surviving Provisions into such underwriting agreement or a short and simple additional agreement or supplement to such underwriting agreement entered into at or around the time of effectiveness of the underwriting agreement. "Material Surviving Provisions" shall mean any surviving provisions of this Engagement Agreement that would be material in the context of such Public Offering and that may be required to be performed after the effectiveness of the registration statement filed in connection with such Public Offering.

d. Compliance with State Securities Laws. The Company will be solely responsible for all applicable state securities law compliance with respect to the offer and sale of the Securities, including the timely making of any filings or taking other actions required under the applicable securities or "blue sky" laws or regulations of such domestic states as NSC reasonably may specify and the continuation of qualifications in effect for so long as may be required. The Company will provide NSC with copies of any pertinent filings at or around the time they are made, and to the extent any filing contains information relating to NSC and/or the terms of this Engagement, NSC will be provided a copy of the intended filing sufficiently in advance to permit time for review and comment.

e. Offerings Exempt from Registration. To the extent that any Offering is designated as one to be made pursuant to an applicable exemption from registration under the Securities Act of 1933, as amended (the "Act"), the Company agrees that it will not, directly or indirectly, make any offer or sale of any Securities which would cause the contemplated Offering to fail to be entitled to the applicable exemption or unreasonably limit the availability of a public registered Offering or an Offering in which NSC will act. In particular, the Company represents and warrants that it has not, directly or indirectly, made any offers or sales of Securities which would cause the Offering of the Securities contemplated hereunder to fail to be entitled to the exemption from registration afforded by Section 4(a)(2) of the Act. As used herein, the terms "offer" and "sale" have the meanings specified in Section 2(3) of the Act.

To the extent that an Offering is designated as one to be made pursuant to Regulation D under the Act, the Company will conduct all solicitation efforts in a manner consistent with the Company's intent that any Offering qualifies for the safe harbor from registration provided by Rule 506 of Regulation D, and the offer and sale of the Securities will comply with certain requirements of Regulation D, including, without limitation, the requirements that:

- (i) The Company will not offer or sell the Securities by means of any form of general solicitation or general advertising.
- (ii) The Company will not offer or sell the Securities to any person who is not an "accredited investor" (as defined in Rule 501 under the Act).
- (iii) The Company will exercise reasonable care to assure that the purchasers of the Securities are not underwriters within the meaning of Section 2(11) of the Act and, without limiting the foregoing, that such purchasers will comply with Rule 502(d) under the Act.
- (iv) The Company will not make any filings with the Securities and Exchange Commission with respect to the offer and sale of the Securities without prior notification to NSC.
- (v) Neither the Company, nor any officer, director, shareholder, promoter, manager or general partner of the Company, is or will be subject to the "bad actor" disqualification provision of Rule 506(d) under the Act.

f. Audits. The Company shall be solely responsible for performing, and shall perform, all financial audits necessary to meet the listing requirements of the NASDAQ, NYSE, or NYSE-MKT exchanges, as appropriate. For the avoidance of doubt, no financial audits will be required in connection with private Offerings.

4. Confidentiality. NSC acknowledges that in connection with the Engagement, the Company will provide NSC with information which the Company considers to be confidential and which will be marked to indicate the company's intent to preserve the information as confidential ("Confidential Information"). NSC agrees to employ all reasonable means to keep the Confidential Information secret and confidential, using no less than the degree of care employed by NSC to preserve and safeguard its own confidential information, and shall not disclose or reveal the Confidential Information to anyone except its employees, consultants and contractors who have an obligation of confidentiality with NSC. NSC will not use the Confidential Information except in connection with its performance of services hereunder, unless disclosure is required by law, court order, or any government, regulatory or self-regulatory agency or body in the opinion of NSC's counsel, in which event NSC will provide the Company with reasonable advance notice of such disclosure. These obligations do not apply to any portion of Confidential Information which: (a) is or becomes generally available to the public other than through a breach of this Agreement; (b) was rightfully in NSC's possession or readily available to NSC from another source not under obligation of secrecy to the Company prior to the disclosure; (c) is rightfully received by NSC from another source on a non-confidential basis; (d) is disclosed by the Company to an unaffiliated third party free of any obligation of confidence; (e) is developed by or for NSC without reference to the Company's Confidential Information; or (e) is released for public disclosure with the Company's written consent.

Notwithstanding any of the foregoing, NSC is authorized to transmit to any prospective investor the following: confidential material furnished by the Company or prepared by NSC in conjunction with the Company for transmission to prospective investors in a private Offering; and forms of purchase agreements and any other legal documentation supplied to NSC for transmission to any prospective investor by or on behalf of the Company. The Company authorizes NSC to negotiate, on the Company's behalf, confidentiality agreements based upon a form acceptable to the Company with such prospective investors.

5. Indemnification. The Company agrees to indemnify NSC and related persons in accordance with the indemnification agreement attached as Exhibit A, which is incorporated herein by this reference. The provisions of Exhibit A shall survive any termination or expiration of this Agreement.

6. Term and Termination. NSC's Engagement will commence upon the execution of this Agreement and shall continue in effect for a period of 30 days (the "Initial Term"). During the Initial Term, this Agreement may not be terminated by the Company absent gross negligence or willful misconduct of NSC. After the expiration of the Initial Term, the Agreement shall automatically renew and continue in effect until it is terminated by either party with thirty (30) days' advance written notice to the other pursuant to Section 19. Upon termination of this Agreement for any reason, the rights and obligations of the parties hereunder shall terminate, except for the obligations set forth in Sections 2, 3(b)-(d), 5, 6, 8-19, and Exhibit A, which shall survive termination.

7. Additional Services. Should the Company request NSC to perform any services or act in any capacity not specifically addressed in this Agreement, such services or activities shall constitute separate engagements, the terms and conditions of which will be embodied in separate written agreement(s) and will include appropriate indemnification provisions. The indemnity provisions of Exhibit A shall apply to any such additional engagements (whether or not covered by a separate written agreement), unless and until superseded by a written indemnity provision set forth in a subsequent agreement.

8. Other Transactions; Disclaimers. The Company acknowledges that NSC is engaged in a wide range of investing, investment banking and other activities (including investment management, corporate finance, securities issuance, trading and research and brokerage activities) from which conflicting interests or duties, or the appearance thereof, may arise. Information held elsewhere within NSC but not accessible (absent a breach of internal procedures) to its investment banking personnel providing services to the Company will not under any circumstances affect NSC's obligations to the Company hereunder. The Company further acknowledges that NSC and its affiliates have and may continue to have investment banking, broker-dealer and other relationships with parties other than the Company pursuant to which NSC may acquire information of interest to the Company. NSC shall have no obligation to disclose to the Company or to use for the Company's benefit any such non-public information or other information acquired in the course of engaging in any other transaction (on NSC's own account or otherwise) or otherwise carrying on the business of NSC. The Company further acknowledges that from time to time NSC's independent research department may publish research reports or other materials, the substance and/or timing of which may conflict with the views or advice of NSC's investment banking department and/or which may have an adverse effect on the Company's interests in connection with the transactions contemplated hereby or otherwise; provided that NSC complies with the confidentiality provisions contained herein. In addition, the Company acknowledges that, in the ordinary course of business, NSC may trade the securities of the Company for its own account and for the accounts of its customers, and may at any time hold a long or short position in such securities. NSC shall nonetheless remain fully responsible for compliance with federal and state securities laws in connection with such activities.

It is expressly understood and agreed that NSC has not provided nor is undertaking to provide any advice to the Company relating to legal, regulatory, accounting, or tax matters. The Company acknowledges and agrees that it has relied and will continue to rely on the advice of its own legal, tax and accounting advisors in all matters relating to any Offering contemplated hereunder.

The Company further acknowledges and agrees that NSC will act solely as an independent contractor hereunder, and that NSC's responsibility to the Company is solely contractual in nature and that NSC does not owe the Company or any other person or entity, including but not limited to its shareholders, any fiduciary or similar duty as a result of the Engagement or otherwise.

The Company agrees that neither NSC nor any of its controlling persons, affiliates, directors, officers, employees or consultants shall have any liability to the Company or any person asserting claims on behalf of or in right of the Company for any losses, claims, damages, liabilities or expenses arising out of or relating to the Engagement, unless it is finally judicially determined that such losses, claims, damages, liabilities or expenses resulted solely from the gross negligence or willful misconduct of NSC.

9. Work Product and Announcements. NSC's advice in connection with an Offering in which it participates shall be the sole proprietary work product and intellectual property of NSC, and such advice may not be disclosed, in whole or in part, to third parties other than the Company's professional advisors, as necessary, without the prior written permission of NSC unless such disclosure is required by law. The Company acknowledges that NSC, at its option and expense, and no earlier than the first to occur of (i) the close of an Offering or (ii) the public announcement of the Offering by the Company, may place announcements and advertisements or otherwise publicize the Offering (which may include the reproduction of the Company's logo and a hyperlink to the Company's website) on NSC's website and in such financial and other newspapers and journals as it may choose, stating that NSC has acted as an agent in connection with or advised the Company about such Offering.

10. Complete Agreement; Amendments; Assignment. This Agreement sets forth the entire understanding of the parties relating to the subject matter hereof and supersedes and cancels any prior communications, understandings and agreements, whether oral or written, between NSC and the Company. This Agreement may not be amended or modified except in writing. The rights of NSC hereunder shall be assignable to any affiliate of NSC, and this Agreement shall apply to, inure to the benefit of and be binding upon and enforceable against each of the parties and their successors and assigns.

11. Third Party Beneficiaries. This Agreement is intended solely for the benefit of the parties hereto and, with the exception of the rights and benefits conferred upon the Indemnified Parties by Section 5 and Exhibit A of this Agreement, shall not be deemed or interpreted to confer any rights upon any third parties.

12. Governing Law; Jurisdiction; Venue. All aspects of the relationship created by this Agreement shall be governed by and construed in accordance with the laws of the State of New York, applicable to contracts made and to be performed in New York, without regard to its conflicts of laws provisions. All actions and proceedings which are not submitted to arbitration pursuant to Section 13 hereof shall be heard and determined exclusively in the state and federal courts located in the Borough of Manhattan in the City of New York, and the Company and NSC hereby submit to the jurisdiction of such courts and irrevocably waive any defense or objection to such forum, on forum non conveniens grounds or otherwise. The parties agree to accept service of process by mail, to their principal business address, addressed to the chief executive officer and secretary thereof. The parties hereby agree that this Section 12 shall survive the termination and/or expiration of this Agreement.

13. Arbitration. Any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this agreement to arbitrate, shall be determined by arbitration in New York City (with the exception of claims to enforce the indemnity provision contained herein, which may, at the option of the party seeking relief, be submitted either to arbitration or to any court of competent jurisdiction). The arbitration shall be administered either by FINRA Dispute Resolution pursuant to its Code of Arbitration Procedure, or if FINRA cannot or does not accept the arbitration, by JAMS pursuant to its Streamlined Arbitration Rules and Procedures. Judgment on any award may be entered in any court having jurisdiction. This clause shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

The arbitrator may, in the award, allocate all or part of the costs of the arbitration, including the fees of the arbitrator and the reasonable attorneys' fees of the prevailing party.

The parties hereby agree that this Section 13 shall survive the termination and/or expiration of this Agreement.

The Company's and NSC's consent to arbitration are confirmed by initialing below:

SB
Company

JR
NSC

14. Severability. Should any one or more covenants, restrictions and provisions contained in this Agreement be held for any reason to be void, invalid or unenforceable, in whole or in part, such unenforceability will not affect the validity of any other term of this Agreement, and the invalid provision will be binding to the fullest extent permitted by law and will be deemed amended and construed so as to meet this intent. To the extent any provision cannot be so amended or construed as a matter of law, the validity of the remaining provisions shall be deemed unaffected and the illegal or invalid provision will be deemed stricken from this Agreement.

15. Section Headings. The section headings herein are for convenience of reference only, and shall not limit or otherwise affect the meaning hereof.

16. Accounting. Any calculation, computation or accounting that may be required under this Agreement shall be made in accordance and conformity with the Generally Accepted Accounting Principles and other standards as determined by the Financial Accounting Standards Board and regulatory agencies with appropriate jurisdiction, and to the extent appropriate, consistently applied.

17. Counterparts. This Agreement may be executed via facsimile transmission and may be executed in separate counterparts, each of which shall be deemed to be an original and all of which together shall constitute a single instrument.

18. Patriot Act. NSC hereby notifies the Company that pursuant to the requirements of the USA PATRIOT Act (the "Patriot Act"), it is required to obtain, verify and record information that identifies the Company in a manner that satisfies the requirements of the Patriot Act. This notice is given in accordance with the requirements of the Patriot Act.

19. Notice. All notices, demands, and other communications to given pursuant to this Agreement shall be in writing and shall be personally delivered, sent by overnight delivery using a nationally recognized courier service, sent by facsimile transmission, or emailed. Notice shall be deemed received: (a) if personally delivered, upon the date of delivery to the address of the receiving party; (b) if sent by overnight courier, the date actually received by the recipient; (c) if sent by facsimile or email, when sent. The parties will each promptly notify the other of any changes to the following contact information.

Notices to the NSC shall be sent to :

National Securities Corporation
200 Vesey Street, 25th Floor
New York, New York 10281
Attention: Jonathan C. Rich
e-mail: jrich@nationalsecuritiesib.com

with a copy to :

Liquid Venture Partners, LLC
2121 Rosecrans Avenue, Suite 4305
El Segundo, California 90245
Attention: Ankur V. Desai
email: adesai@liquidventure.com

Notices to the Company shall be sent to :

Atomera Incorporated
750 University Avenue, Suite 280
Los Gatos, California 95032
Attention:
e-mail:

with a copy to :

If the above accords with your understanding and agreement, kindly indicate your consent hereto by signing below. We look forward to a long and successful relationship with you.

Very truly yours,

NATIONAL SECURITIES CORPORATION

By: /s/ Jonathan C. Rich
Jonathan C. Rich,
Executive Vice President Head of Investment Banking

ACCEPTED AND AGREED TO
AS OF THE DATE FIRST ABOVE WRITTEN:

Atomera Incorporated

By: /s/ Scott A. Bibaud
Scott A. Bibaud,
President and Chief Executive Officer

EXHIBIT A

National Securities Corporation
200 Vesey Street, 25th Floor
New York, New York 10281

Ladies and Gentlemen:

In further consideration of the engagement by Atomera Incorporated (“Company”) of National Securities Corporation (“NSC”), a Washington corporation, to act as the Company’s exclusive placement agent or underwriter in connection with a potential Offering or Offerings of securities, as such engagement is described in that letter agreement between us of even date (the “Engagement Agreement”), the Company agrees to indemnify NSC and certain other persons provided for herein. All capitalized terms that are not defined herein shall have the meaning given to them in the Engagement Agreement.

A. Indemnification Generally. The Company hereby agrees to indemnify and hold harmless NSC, its subsidiaries, parents and affiliates and each of their directors, officers, managers, agents, contractors, employees, members, counsel and each other person or entity who controls NSC or any of its affiliates within the meaning of Section 15 of the Securities Act (collectively, the “Indemnified Parties”) to the fullest extent permitted by law from and against any and all losses, claims, damages, expenses, or liabilities (or actions in respect thereof) (“Losses”), joint or several, to which they or any of them may become subject under any statute or at common law, and to reimburse such Indemnified Parties for any reasonable legal or other expense (including but not limited to the cost of any investigation, preparation, response to third party subpoenas) incurred by them in connection with any litigation or administrative or regulatory action (“Proceeding”), whether pending or threatened, and whether or not resulting in any liability, insofar as such losses, claims, liabilities, or litigation arise out of or are based upon (1) the engagement of NSC pursuant to the Engagement Agreement or subsequent agreement of similar purpose between the Company and NSC (an “Additional Engagement Agreement”); (2) the Offering of Securities to third parties contemplated by the Engagement Agreement or Additional Engagement Agreement; (3) any other matter relating to any Offering of Securities referred to or contemplated by the Engagement Agreement or Additional Engagement Agreement; (4) any untrue statement or alleged untrue statement of any material fact contained in the Offering Materials, or in any other written or oral communication provided by or on behalf of the Company to any actual or prospective purchaser of Securities, unless such untrue statement or alleged untrue statement arises from information supplied by any Indemnified Party, in writing specifically for use therein; or (5) the omission or alleged omission to state in the Offering Materials a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading; provided, however, the foregoing obligation to provide indemnification shall not apply to (i) amounts paid in settlement of any such litigation if such settlement is effected without the consent of the Company, which consent will not be unreasonably withheld, conditioned or delayed, or (ii) such Losses that are determined, by a final, non-appealable judgment by a court or arbitral tribunal of competent jurisdiction, to have resulted from any Indemnified Person’s gross negligence or willful misconduct.

B. Reimbursement. The Company will reimburse all Indemnified Parties for all reasonable expenses (including, but not limited to, reasonable fees and disbursements of counsel for all Indemnified Parties) incurred by any such Indemnified Parties in connection with investigating, preparing, and defending any such action or claim, whether or not in connection with pending or threatened litigation in connection with the transaction to which an Indemnified Parties is a party, promptly as such expenses are incurred or paid (unless the Indemnified Parties request they be paid in advance pursuant to Subsection C below).

C. Advances. Notwithstanding any other provision hereof or any other agreement between the parties, the Company shall advance, to the extent not prohibited by law, all expenses reasonably anticipated to be incurred by or on behalf of the Indemnified Parties in connection with any Proceeding, whether pending or threatened, within thirty (30) days of receipt of a statement or statements (“Statement(s)”) from the Indemnified Parties, or any of them, requesting such advances from time to time, so long as the Company has received a written undertaking of such Indemnified Parties to repay the Company the amount so advanced if it shall be finally determined that such Indemnified Parties were not entitled to indemnification hereunder. This advancement obligation shall include any refundable retainers of counsel retained by Indemnified Parties (as selected by Indemnified Parties in their sole and absolute discretion). Any Statement requesting advances shall evidence the expenses anticipated or incurred by the Indemnified Parties with reasonable particularity and may include only those expenses reasonably expected to be incurred within the 90-day period following each Statement. In the event some portion of the amounts advanced pursuant to this Section C are unused, or in the event a court of competent jurisdiction finally determines that the Indemnified Parties are not entitled to be indemnified against certain expenses, Indemnified Parties shall return the unused or disallowed portion of any advances within sixty (60) days of the final disposition of any Proceeding to which such advances pertain.

D. Contribution. If such indemnification is for any reason not available or insufficient to hold an Indemnified Party harmless, the Company agrees promptly to contribute to the Losses involved in such proportion as is appropriate to reflect the relative benefits received (or anticipated to be received) by the Company, on the one hand, and by NSC, on the other hand, with respect to the Engagement or similar services under any Additional Engagement Agreement or, if such allocation is determined by a court or arbitral tribunal to be unavailable, in such proportion as is appropriate to reflect other equitable considerations such as the relative fault of the Company on the one hand and of NSC on the other hand; provided, however, that, to the extent permitted by applicable law, the Indemnified Parties shall not be responsible for amounts which in the aggregate are in excess of the amount of all cash fees and value of warrants, exclusive of costs, actually received by NSC from the Company at the Closing in connection with the Engagement or similar services under any Additional Engagement Agreement. Relative benefits to the Company, on the one hand, and to NSC, on the other hand, with respect to the Engagement shall be deemed to be in the same proportion as (i) the total value received or proposed to be received by the Company in connection with the Offering, whether or not consummated, bears to (ii) all fees received or proposed to be received by NSC in connection with the applicable engagement. Relative fault shall be determined, in the case of Losses arising out of or based on any untrue statement or any alleged untrue statement of a material fact or omission or alleged omission to state a material fact, by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company to NSC and the parties’ relative intent, knowledge, access to information and opportunity to correct or prevent such untrue statement or omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act of 1933, as amended) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

E. No Liability Without Gross Negligence or Misconduct. The Company agrees that no Indemnified Party shall have any liability to the Company or its respective owners, successors, heirs, parents, affiliates, security holders or creditors for any Losses, except to the extent such Losses are determined, by a final, non-appealable judgment by a court or arbitral tribunal of competent jurisdiction, to have resulted from such Indemnified Person’s gross negligence or willful misconduct.

F. Notice. NSC agrees, promptly upon receipt, to notify the Company in writing of the receipt of written notice of the commencement of any action against it or against any other Indemnified Parties, in respect of which indemnity may be sought hereunder; however, the failure so to notify the Company will not relieve it from liability under Section A above unless and to the extent it did not otherwise learn of such action and such failure results in the forfeiture by the Company of substantial rights or defenses.

G. Settlement. The Company will not, without NSC's prior written consent, settle, compromise or consent to the entry of any judgment in connection with, or otherwise seek to terminate, any pending or threatened Proceeding in respect of which such Indemnified Party is or could have been a party and indemnity or contribution could have been sought hereunder by such Indemnified Party, unless such settlement or judgment (i) includes an unconditional release of such Indemnified Party from all liability on claims that are the subject matter of the proceeding or dispute; (ii) involves only the payment by the Company of monetary damages and would not result in an order, injunction or other equitable remedy in respect of the Indemnified Party; (iii) does not include any findings of fact or admission of culpability as to such Indemnified Party; and (z) the terms of such settlement or judgment are confidential and not publicly disclosed.

No Indemnified Party will, without the Company's prior written consent (which shall not be unreasonably withheld, delayed or conditioned), settle, compromise, consent to the entry of any judgment in or otherwise seek to terminate any action, claim, suit, investigation or proceeding referred to herein.

H. Survival; Successors. The indemnity, contribution and expense reimbursement obligations set forth herein shall be in addition to any liability the Company may have to any Indemnified Party at common law or otherwise (but not duplicative of or effective to result in any multiplicative return of Losses or of any such liability of the Company), and shall remain operative and in full force and effect notwithstanding the termination of this Agreement, the closing of the contemplated Offering, and any successor of NSC or any other Indemnified Parties shall be entitled to the benefit of the provisions hereof. Prior to entering into any agreement or arrangement with respect to, or effecting, any merger, statutory exchange or other business combination or proposed sale or exchange, dividend or other distribution or liquidation of all or a significant portion of its assets in one or a series of transactions or any significant recapitalization or reclassification of its outstanding securities that does not directly or indirectly provide for the assumption of the obligations of the Company set forth herein, the Company will promptly notify NSC in writing thereof and, if requested by NSC, shall arrange in connection therewith alternative means of providing for the obligations of the Company set forth herein, including the assumption of such obligations by another party, insurance, surety bonds or the creation of an escrow, in each case in an amount and on terms and conditions reasonably satisfactory to NSC.

I. Consent to Jurisdiction; Attorneys' Fees. Solely for the purpose of enforcing the Company's obligations hereunder, the Company consents to personal jurisdiction, service and venue in any court proceeding in which any claim subject to this Agreement is brought by or against any Indemnified Party other than NSC. In any action for enforcement of this indemnity provision, the prevailing party shall be entitled to recover all costs, including reasonable attorneys' fees, of bringing such an action.

Atomera Incorporated

By: /s/ Scott A. Bibaud
Scott A. Bibaud,
President and Chief Executive Officer

National Securities Corporation

By: /s/ Jonathan C. Rich
Jonathan C. Rich,
Executive Vice President Head of Investment Banking

GREENBERG TRAURIG, LLP
3161 Michelson Drive, Suite 1000
Irvine, California 92612

May 29, 2019

Atomera Incorporated
750 University Avenue, Suite 280
Los Gatos, California 95032

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as counsel to Atomera Incorporated, a Delaware corporation (the “**Company**”), in connection with (i) the Registration Statement on Form S-3 (SEC File No. 333-219782) (the “**Registration Statement**”) filed with the Securities and Exchange Commission under the Securities Act of 1933, as amended, relating to the registration by the Company of, among other things, common stock, par value \$0.001 per share (the “**Common Stock**”), which may be issued from time to time as set forth in the Registration Statement and the prospectus contained therein; and (ii) a prospectus supplement (the “**Prospectus Supplement**”) to be filed with Securities and Exchange Commission relating to the issue and sale pursuant to the Registration Statement of up to 1,675,000 shares (the “**Shares**”) of Common Stock.

The Shares are to be sold by the Company pursuant to a Securities Purchase Agreement (the “**Securities Purchase Agreement**”) dated as of May 28, 2019, between the Company and the purchasers named therein. The Securities Purchase Agreement will be filed with the Commission as Exhibit 10.1 to the Company’s Current Report on Form 8-K dated May 28, 2019 (“**Form 8-K**”).

You have requested our opinion as to the matters set forth below in connection with the issuance of the Shares. For purposes of rendering this opinion, we have examined the Registration Statement, forms of the Amended and Restated Certificate of Incorporation, as further amended, and Amended and Restated Bylaws of the Company currently in effect, the Securities Purchase Agreement, and the corporate action of the Company that provides for the issuance of the Shares and execution of the Securities Purchase Agreement, and we have made such other investigations as we have deemed appropriate. We have examined and relied upon certificates of public officials and, as to certain matters of fact that are material to our opinion, we have also relied on a certificate of an officer of the Company. We have not independently verified the matters set forth in such certificates.

We express no opinion herein as to the laws of any state or jurisdiction other than the General Corporation Law of the State of Delaware and the federal laws of the United States of America.

Based upon and subject to the foregoing, it is our opinion that the Shares are duly authorized for issuance by the Company and, when issued and paid for as described in the Securities Purchase Agreement, will be validly issued, fully paid and non-assessable.

We hereby consent to the filing of this opinion as an exhibit to the Form 8-K and to the reference to our name under the caption “Legal Matters” in the Prospectus Supplement.

Very truly yours,

/s/ GREENBERG TRAURIG, LLP

SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this “Agreement”) is dated as of May 28, 2019, between Atomera Incorporated, a Delaware corporation (the “Company”), and each purchaser identified on the signature pages hereto (each, including its successors and assigns, a “Purchaser” and collectively the “Purchasers”).

WHEREAS, subject to the terms and conditions set forth in this Agreement and pursuant to an effective registration statement under the Securities Act of 1933, as amended (the “Securities Act”), the Company desires to issue and sell to each Purchaser, and each Purchaser, severally and not jointly, desires to purchase from the Company, securities of the Company as more fully described in this Agreement.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration the receipt and adequacy of which are hereby acknowledged, the Company and each Purchaser agree as follows:

ARTICLE I. DEFINITIONS

1.1 Definitions. In addition to the terms defined elsewhere in this Agreement, for all purposes of this Agreement, the following terms have the meanings set forth in this Section 1.1:

“Action” shall have the meaning ascribed to such term in Section 3.1(j).

“Affiliate” means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person as such terms are used in and construed under Rule 405 under the Securities Act.

“Board of Directors” means the board of directors of the Company.

“Business Day” means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

“Closing” means the closing of the purchase and sale of the Securities pursuant to Section 2.1.

“Closing Date” means the Trading Day on which all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all conditions precedent to (i) the Purchasers’ obligations to pay the Subscription Amount and (ii) the Company’s obligations to deliver the Securities, in each case, have been satisfied or waived, but in no event later than the third Trading Day following the date hereof.

“Commission” means the United States Securities and Exchange Commission.

“Common Stock” means the common stock of the Company, par value \$0.001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

“Common Stock Equivalents” means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, rights, options, warrants or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

“Company Counsel” means Greenberg Traurig, LLP.

“Disclosure Schedules” means the Disclosure Schedules of the Company delivered concurrently herewith.

“Evaluation Date” shall have the meaning ascribed to such term in Section 3.1(r).

“Exchange Act” means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

“GAAP” shall have the meaning ascribed to such term in Section 3.1(h).

“Indebtedness” shall have the meaning ascribed to such term in Section 3.1(y).

“Intellectual Property Rights” shall have the meaning ascribed to such term in Section 3.1(o).

“KLG” means K&L Gates LLP with offices located at 214 N. Tryon Street, 47th Floor, Charlotte, NC 28202.

“Liens” means a lien, charge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.

“Material Adverse Effect” shall have the meaning assigned to such term in Section 3.1(b).

“Material Permits” shall have the meaning ascribed to such term in Section 3.1(m).

“Per Share Purchase Price” equals \$4.00.

“Person” means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

“Placement Agent” means National Securities Corporation, a Washington corporation.

“Placement Agent Agreement” means the engagement agreement between the Company and the Placement Agent dated May 28, 2019

“Proceeding” means an action, claim, suit, investigation or proceeding (including, without limitation, an informal investigation or partial proceeding, such as a deposition), whether commenced or threatened.

“Prospectus” means the final prospectus filed for the Registration Statement.

“Prospectus Supplement” means the supplement to the Prospectus complying with Rule 424(b) of the Securities Act that is filed with the Commission and delivered by the Company to each Purchaser at the Closing.

“Registration Statement” means the effective registration statement with Commission file No. 333- 219782 which registers the sale of the Shares to the Purchasers.

“Required Approvals” shall have the meaning ascribed to such term in Section 3.1(e).

“Rule 144” means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same effect as such Rule.

“Rule 424” means Rule 424 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

“SEC Reports” shall have the meaning ascribed to such term in Section 3.1(h).

“Securities Act” means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

“Shares” means the shares of Common Stock issued or issuable to each Purchaser pursuant to this Agreement.

“Short Sales” means all “short sales” as defined in Rule 200 of Regulation SHO under the Exchange Act (but shall not be deemed to include the location and/or reservation of borrowable shares of Common Stock).

“Subscription Amount” means, as to each Purchaser, the aggregate amount to be paid for Shares purchased hereunder as specified below such Purchaser’s name on the signature page of this Agreement and next to the heading “Subscription Amount,” in United States dollars and in immediately available funds.

“Subsidiary” means any subsidiary of the Company as set forth on Schedule 3.1(a), and shall, where applicable, also include any direct or indirect subsidiary of the Company formed or acquired after the date hereof.

“Trading Day” means a day on which the principal Trading Market is open for trading.

“Trading Market” means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, the New York Stock Exchange or the OTC Bulletin Board (or any successors to any of the foregoing).

“Transaction Documents” means this Agreement and any other documents or agreements executed in connection with the transactions contemplated hereunder.

“Transfer Agent” means AST, the current transfer agent of the Company, with a mailing address of 6201 15th Avenue, Brooklyn, NY 11219, and any successor transfer agent of the Company.

ARTICLE II.

PURCHASE AND SALE

2.1 Closing. On the Closing Date, upon the terms and subject to the conditions set forth herein, substantially concurrent with the execution and delivery of this Agreement by the parties hereto, the Company agrees to sell, and the Purchasers, severally and not jointly, agree to purchase, Shares as indicated on the signature pages attached hereto. Each Purchaser shall deliver to the Company, via wire transfer or a certified check of immediately available funds equal to such Purchaser’s Subscription Amount as set forth on the signature page hereto executed by such Purchaser and the Company shall deliver to each Purchaser its respective Shares as determined pursuant to Section 2.2(a), and the Company and each Purchaser shall deliver the other items set forth in Section 2.2 deliverable at the Closing. Upon satisfaction of the covenants and conditions set forth in Sections 2.2 and 2.3, the Closing shall occur at the offices of KLG or such other location as the parties shall mutually agree.

Deliveries.

- (a) On or prior to the Closing Date, the Company shall deliver or cause to be delivered to each Purchaser the following:
- (i) this Agreement duly executed by the Company;
 - (ii) a legal opinion of Company Counsel stating that the Company is duly incorporated, the Transaction Documents have been duly authorized, that the Shares are duly authorized and, when issued against payment therefor as provided in this Agreement, will be fully paid and non-assessable, which opinion may be subject to such assumptions and conditions are normally set forth in opinions of legal counsel in respect of such matters;
 - (iii) a copy of the irrevocable instructions to the Company's transfer agent instructing the transfer agent to deliver via the Depository Trust Company Deposit Withdrawal Agent Commission System ("DWAC") Shares equal to such Purchaser's Subscription Amount divided by the Per Share Purchase Price, registered in the name of such Purchaser;
 - (iv) a certificate evidencing the formation and good standing of the Company in its jurisdiction of formation issued by the Secretary of State (or comparable office) of such jurisdiction of formation;
 - (v) a certificate or other reasonably acceptable evidence evidencing the Company's qualification as a foreign corporation and good standing issued by the Secretary of State (or comparable office) of each jurisdiction in which the Company conducts business and is required to so qualify;
 - (vi) a certified copy of the Certificate of Incorporation as certified by the Secretary of State of the Company's jurisdiction of incorporation;
 - (vii) a certificate executed by the Secretary of the Company, as to (i) the resolutions consistent with Section 3(b) as adopted by the Company's board of directors, (ii) the Certificate of Incorporation of the Company and (iii) the Bylaws of the Company as in effect at the Closing; and
 - (viii) the Prospectus and Prospectus Supplement (which may be delivered in accordance with Rule 172 under the Securities Act).
- (b) On or prior to the Closing Date, each Purchaser shall deliver or cause to be delivered to the Company the following:
- (i) this Agreement duly executed by such Purchaser; and
 - (ii) such Purchaser's Subscription Amount by wire transfer to the account as specified in writing by the Company (provided it is understood and agreed that such funds may be delivered after the Company's delivery of the Shares, on the same day of the delivery of Shares).

2.3 Closing Conditions.

(a) The obligations of the Company hereunder in connection with the Closing are subject to the following conditions being met:

(i) the accuracy in all material respects on the Closing Date of the representations and warranties of the Purchasers contained herein (unless as of a specific date therein);

(ii) all obligations, covenants and agreements of each Purchaser required to be performed at or prior to the Closing Date shall have been performed; and

(iii) the delivery by each Purchaser of the items set forth in Section 2.2(b) of this Agreement.

(b) The respective obligations of the Purchasers hereunder in connection with the Closing are subject to the following conditions being met:

(i) the accuracy in all material respects when made and on the Closing Date of the representations and warranties of the Company contained herein (unless as of a specific date therein);

(ii) all obligations, covenants and agreements of the Company required to be performed at or prior to the Closing Date shall have been performed;

(iii) the delivery by the Company of the items set forth in Section 2.2(a) of this Agreement;

(iv) there shall have been no Material Adverse Effect with respect to the Company since the date hereof; and

(v) from the date hereof to the Closing Date, trading in the Common Stock shall not have been suspended by the Commission or the Company's principal Trading Market (except for any suspension of trading of limited duration agreed to by the Company, which suspension shall be terminated prior to the Closing), and, at any time prior to the Closing Date, trading in securities generally as reported by Bloomberg L.P. shall not have been suspended or limited, or minimum prices shall not have been established on securities whose trades are reported by such service, or on any Trading Market, nor shall a banking moratorium have been declared either by the United States or New York State authorities nor shall there have occurred any material outbreak or escalation of hostilities or other national or international calamity of such magnitude in its effect on, or any material adverse change in, any financial market which, in each case, in the reasonable judgment of each Purchaser, makes it impracticable or inadvisable to purchase the Shares at the Closing.

ARTICLE III.
REPRESENTATIONS AND WARRANTIES

3.1 Representations and Warranties of the Company. Except as otherwise disclosed in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2018 (the "Form 10-K"), any Company Quarterly Report on Form 10-Q filed since March 11, 2019, the filing date of the Form 10-K, or any of the Company's Current Reports on Form 8-K filed since such date (including any exhibit thereto and document incorporated by reference therein), and except as set forth in the Disclosure Schedules, which Disclosure Schedules shall be deemed a part hereof, the Company hereby makes the following representations and warranties to each Purchaser:

(a) Subsidiaries. All of the direct and indirect subsidiaries of the Company are set forth on Exhibit 21.1 to the Form 10-K. The Company owns, directly or indirectly, all of the capital stock or other equity interests of each Subsidiary free and clear of any Liens, and all of the issued and outstanding shares of capital stock of each Subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities. If the Company has no subsidiaries, all other references to the Subsidiaries or any of them in the Transaction Documents shall be disregarded.

(b) Organization and Qualification. The Company and each of the Subsidiaries is an entity duly incorporated or otherwise organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization, with the requisite power and authority to own and use its properties and assets and to carry on its business as currently conducted. Neither the Company nor any Subsidiary is in violation nor default of any of the provisions of its respective certificate or articles of incorporation, bylaws or other organizational or charter documents. Each of the Company and the Subsidiaries is duly qualified to conduct business and is in good standing as a foreign corporation or other entity in each jurisdiction in which the nature of the business conducted or property owned by it makes such qualification necessary, except where the failure to be so qualified or in good standing, as the case may be, could not have or reasonably be expected to result in: (i) a material adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material adverse effect on the results of operations, assets, business, prospects or condition (financial or otherwise) of the Company and the Subsidiaries, taken as a whole, or (iii) a material adverse effect on the Company's ability to perform in any material respect on a timely basis its obligations under any Transaction Document (any of (i), (ii) or (iii)), a "Material Adverse Effect") and no Proceeding has been instituted in any such jurisdiction revoking, limiting or curtailing or seeking to revoke, limit or curtail such power and authority or qualification.

(c) Authorization; Enforcement. The Company has the requisite corporate power and authority to enter into and to consummate the transactions contemplated by each of the Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of each of the Transaction Documents by the Company and the consummation by it of the transactions contemplated hereby and thereby have been duly authorized by all necessary action on the part of the Company and no further action is required by the Company, the Board of Directors or the Company's stockholders in connection therewith other than in connection with the Required Approvals. Each Transaction Document to which it is a party has been (or upon delivery will have been) duly executed by the Company and, when delivered in accordance with the terms hereof and thereof, will constitute the valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(d) No Conflicts. The execution, delivery and performance by the Company of the Transaction Documents, the issuance and sale of the Shares and the consummation by it of the transactions contemplated hereby and thereby to which it is a party do not and will not (i) conflict with or violate any provision of the Company's or any Subsidiary's certificate or articles of incorporation, bylaws or other organizational or charter documents, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any Lien upon any of the properties or assets of the Company or any Subsidiary, or give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a Company or Subsidiary debt or otherwise) or other understanding to which the Company or any Subsidiary is a party or by which any property or asset of the Company or any Subsidiary is bound or affected, or (iii) subject to the Required Approvals, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which the Company or a Subsidiary is subject (including federal and state securities laws and regulations), or by which any property or asset of the Company or a Subsidiary is bound or affected; except in the case of each of clauses (ii) and (iii), such as could not have or reasonably be expected to result in a Material Adverse Effect.

(e) Filings, Consents and Approvals. The Company is not required to obtain any consent, waiver, authorization or order of, give any notice to, or make any filing or registration with, any court or other federal, state, local or other governmental authority or other Person in connection with the execution, delivery and performance by the Company of the Transaction Documents, other than: (i) the filings required pursuant to Section 4.2 of this Agreement, (ii) the filing with the Commission of the Prospectus Supplement, (iii) application(s) to each applicable Trading Market for the listing of the Shares for trading thereon in the time and manner required thereby and (iv) such filings as are required to be made under applicable state securities laws (collectively, the "Required Approvals").

(f) Issuance of the Shares; Registration. The Shares are duly authorized and, when issued and paid for in accordance with the applicable Transaction Documents, will be duly and validly issued, fully paid and nonassessable, free and clear of all Liens imposed by the Company. The Company has prepared and filed the Registration Statement in conformity with the requirements of the Securities Act, which became effective on October 13, 2017 (the "Effective Date"), including the Prospectus, and such amendments and supplements thereto as may have been required to the date of this Agreement. The Registration Statement is effective under the Securities Act and no stop order preventing or suspending the effectiveness of the Registration Statement or suspending or preventing the use of the Prospectus has been issued by the Commission and no proceedings for that purpose have been instituted or, to the knowledge of the Company, are threatened by the Commission. The Company, if required by the rules and regulations of the Commission, proposes to file the Prospectus Supplement, with the Commission pursuant to Rule 424(b). At the time the Registration Statement and any amendments thereto became effective, at the date of this Agreement and at the Closing Date, the Registration Statement and any amendments and supplements thereto conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading; and the Prospectus and any amendments or supplements thereto, at time the Prospectus or any amendment or supplement thereto was issued and at the Closing Date, conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading.

(g) Capitalization. The authorized capitalization of the Company is as set forth in the Form 10-K. The Company has not issued any capital stock since its most recently filed periodic report under the Exchange Act, other than pursuant to the exercise of employee stock options under the Company's stock incentive plans, the issuance of shares of Common Stock to employees or directors pursuant to the Company's stock incentive plans and pursuant to the conversion and/or exercise of Common Stock Equivalents outstanding as of the date of the most recently filed periodic report under the Exchange Act. No Person has any right of first refusal, preemptive right, right of participation, or any similar right to participate in the transactions contemplated by the Transaction Documents. Except as a result of the purchase and sale of the Shares or as disclosed in the SEC Reports, there are no outstanding options, warrants, scrip rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities, rights or obligations convertible into or exercisable or exchangeable for, or giving any Person any right to subscribe for or acquire, any shares of Common Stock, or contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to issue additional shares of Common Stock or Common Stock Equivalents, other than options granted under the Company's stock incentive plans. The issuance and sale of the Shares will not obligate the Company to issue shares of Common Stock or other securities to any Person (other than the Purchasers) and will not result in a right of any holder of Company securities to adjust the exercise, conversion, exchange or reset price under any of such securities. All of the outstanding shares of capital stock of the Company are validly issued, fully paid and nonassessable, have been issued in compliance with all federal and state securities laws, and none of such outstanding shares was issued in violation of any preemptive rights or similar rights to subscribe for or purchase securities. No further approval or authorization of any stockholder, the Board of Directors or others is required for the issuance and sale of the Shares. There are no stockholders agreements, voting agreements or other similar agreements with respect to the Company's capital stock to which the Company is a party or, to the knowledge of the Company, between or among any of the Company's stockholders.

(h) SEC Reports; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the Securities Act and the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the two years preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (the foregoing materials, including the exhibits thereto and documents incorporated by reference therein, together with the Prospectus and the Prospectus Supplement, being collectively referred to herein as the "SEC Reports") on a timely basis or has received a valid extension of such time of filing and has filed any such SEC Reports prior to the expiration of any such extension. As of their respective dates, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act, as applicable, and none of the SEC Reports, when filed, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Company has never been an issuer subject to Rule 144(i) under the Securities Act. The financial statements of the Company included in the SEC Reports comply in all material respects with applicable accounting requirements and the rules and regulations of the Commission with respect thereto as in effect at the time of filing. Such financial statements have been prepared in accordance with United States generally accepted accounting principles applied on a consistent basis during the periods involved ("GAAP"), except as may be otherwise specified in such financial statements or the notes thereto and except that unaudited financial statements may not contain all footnotes required by GAAP, and fairly present in all material respects the financial position of the Company and its consolidated Subsidiaries as of and for the dates thereof and the results of operations and cash flows for the periods then ended, subject, in the case of unaudited statements, to normal, immaterial, year-end audit adjustments.

(i) Material Changes: Undisclosed Events, Liabilities or Developments. Since the date of the latest audited financial statements included within the SEC Reports, except as specifically disclosed in a subsequent SEC Report filed prior to the date hereof, (i) there has been no event, occurrence or development that has had or that could reasonably be expected to result in a Material Adverse Effect, (ii) the Company has not incurred any liabilities (contingent or otherwise) other than (A) trade payables and accrued expenses incurred in the ordinary course of business consistent with past practice and (B) liabilities not required to be reflected in the Company's financial statements pursuant to GAAP or disclosed in filings made with the Commission, (iii) the Company has not altered its method of accounting, (iv) the Company has not declared or made any dividend or distribution of cash or other property to its stockholders or purchased, redeemed or made any agreements to purchase or redeem any shares of its capital stock and (v) the Company has not issued any equity securities to any officer, director or Affiliate, except pursuant to existing Company stock incentive plans. The Company does not have pending before the Commission any request for confidential treatment of information. Except for the issuance of the Shares contemplated by this Agreement, no event, liability, fact, circumstance, occurrence or development known to the Company has occurred or exists or is reasonably expected to occur or exist with respect to the Company or its Subsidiaries or their respective business, properties, operations, assets or financial condition that would be required to be disclosed by the Company under applicable securities laws at the time this representation is made or deemed made that has not been publicly disclosed at least 1 Trading Day prior to the date that this representation is made.

(j) Litigation. There is no action, suit, inquiry, notice of violation, proceeding or investigation pending or, to the knowledge of the Company, threatened against or affecting the Company, any Subsidiary or any of their respective properties before or by any court, arbitrator, governmental or administrative agency or regulatory authority (federal, state, county, local or foreign) (collectively, an "Action") which (i) adversely affects or challenges the legality, validity or enforceability of any of the Transaction Documents or the Shares or (ii) could, if there were an unfavorable decision, have or reasonably be expected to result in a Material Adverse Effect. Neither the Company nor any Subsidiary, nor any director or officer thereof, is or has been the subject of any Action involving a claim of violation of or liability under federal or state securities laws or a claim of breach of fiduciary duty. There has not been, and to the knowledge of the Company, there is not pending or contemplated, any investigation by the Commission involving the Company or any current or former director or officer of the Company. The Commission has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any Subsidiary under the Exchange Act or the Securities Act.

(k) Labor Relations. No material labor dispute exists or, to the knowledge of the Company, is imminent with respect to any of the employees of the Company, which could reasonably be expected to result in a Material Adverse Effect. None of the Company's or its Subsidiaries' employees is a member of a union that relates to such employee's relationship with the Company or such Subsidiary, and neither the Company nor any of its Subsidiaries is a party to a collective bargaining agreement, and the Company and its Subsidiaries believe that their relationships with their employees are good. No executive officer, to the knowledge of the Company, is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement or non-competition agreement, or any other contract or agreement or any restrictive covenant in favor of any third party, and the continued employment of each such executive officer does not subject the Company or any of its Subsidiaries to any liability with respect to any of the foregoing matters. The Company and its Subsidiaries are in compliance with all U.S. federal, state, local and foreign laws and regulations relating to employment and employment practices, terms and conditions of employment and wages and hours, except where the failure to be in compliance could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(l) Compliance. Neither the Company nor any Subsidiary: (i) is in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or any Subsidiary under), nor has the Company or any Subsidiary received notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived), (ii) is in violation of any judgment, decree or order of any court, arbitrator or governmental body or (iii) is or has been in violation of any statute, rule, ordinance or regulation of any governmental authority, including without limitation all foreign, federal, state and local laws relating to taxes, environmental protection, occupational health and safety, product quality and safety and employment and labor matters, except in each case as could not have or reasonably be expected to result in a Material Adverse Effect.

(m) Regulatory Permits. The Company and the Subsidiaries possess all certificates, authorizations and permits issued by the appropriate federal, state, local or foreign regulatory authorities necessary to conduct their respective businesses as described in the SEC Reports, except where the failure to possess such permits could not reasonably be expected to result in a Material Adverse Effect (“Material Permits”), and neither the Company nor any Subsidiary has received any notice of proceedings relating to the revocation or modification of any Material Permit.

(n) Title to Assets. The Company and the Subsidiaries have good and marketable title in fee simple to all real property owned by them and good and marketable title in all personal property owned by them that is material to the business of the Company and the Subsidiaries, in each case free and clear of all Liens, except for Liens as do not materially affect the value of such property and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries and Liens for the payment of federal, state or other taxes, the payment of which is neither delinquent nor subject to penalties. Any real property and facilities held under lease by the Company and the Subsidiaries are held by them under valid, subsisting and enforceable leases with which the Company and the Subsidiaries are in compliance.

(o) Patents and Trademarks. The Company and the Subsidiaries have, or have rights to use, all patents, patent applications, trademarks, trademark applications, service marks, trade names, trade secrets, inventions, copyrights, licenses and other intellectual property rights and similar rights necessary or material for use in connection with their respective businesses as described in the SEC Reports and which the failure to so have could have a Material Adverse Effect (collectively, the “Intellectual Property Rights”). None of, and neither the Company nor any Subsidiary has received a notice (written or otherwise) that any of, the Intellectual Property Rights has expired, terminated or been abandoned, or is expected to expire or terminate or be abandoned, within two (2) years from the date of this Agreement. Neither the Company nor any Subsidiary has received, since the date of the latest audited financial statements included within the SEC Reports, a written notice of a claim or otherwise has any knowledge that the Intellectual Property Rights violate or infringe upon the rights of any Person, except as would not have a Material Adverse Effect. To the knowledge of the Company, all such Intellectual Property Rights are enforceable and there is no existing infringement by another Person of any of the Intellectual Property Rights. The Company and its Subsidiaries have taken reasonable security measures to protect the secrecy, confidentiality and value of all of their intellectual properties, except where failure to do so could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(p) Insurance. The Company and the Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are prudent and customary in the businesses in which the Company and the Subsidiaries are engaged, including, but not limited to, directors and officers insurance coverage at least equal to the aggregate Subscription Amount. Neither the Company nor any Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.

(q) Transactions With Affiliates and Employees. Except as set forth in the SEC Reports, none of the officers or directors of the Company and, to the knowledge of the Company, none of the employees of the Company is presently a party to any transaction with the Company or any Subsidiary (other than for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, or otherwise requiring payments to or from any officer, director or such employee or, to the knowledge of the Company, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee or partner, in each case in excess of \$120,000 other than for (i) payment of salary or consulting fees for services rendered, (ii) reimbursement for expenses incurred on behalf of the Company and (iii) other employee benefits, including stock option agreements under any stock option plan of the Company.

(r) Sarbanes-Oxley: Internal Accounting Controls. The Company is in material compliance with any and all applicable requirements of the Sarbanes-Oxley Act of 2002 that are effective as of the date hereof, and any and all applicable rules and regulations promulgated by the Commission thereunder that are effective as of the date hereof and as of the Closing Date. The Company and the Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company has established disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the Company and designed such disclosure controls and procedures to ensure that information required to be disclosed by the Company in the reports it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Commission's rules and forms. The Company's certifying officers have evaluated the effectiveness of the Company's disclosure controls and procedures as of the end of the period covered by the Company's most recently filed periodic report under the Exchange Act (such date, the "Evaluation Date"). The Company presented in its most recently filed periodic report under the Exchange Act the conclusions of the certifying officers about the effectiveness of the disclosure controls and procedures based on their evaluations as of the Evaluation Date. Since the Evaluation Date, there have been no changes in the Company's internal control over financial reporting (as such term is defined in the Exchange Act) that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

(s) Certain Fees. Except as set forth in the Placement Agent Agreement and described in the Prospectus Supplement, no brokerage or finder's fees or commissions are or will be payable by the Company to any broker, financial advisor or consultant, finder, placement agent, investment banker, bank or other Person with respect to the transactions contemplated by the Transaction Documents. The Purchasers shall have no obligation, as a result of any actions or agreements of the Company, with respect to any fees or with respect to any claims made by or on behalf of other Persons for fees of a type contemplated in this Section that may be due in connection with the transactions contemplated by the Transaction Documents.

(t) Investment Company. The Company is not, and is not an Affiliate of, and immediately after receipt of payment for the Shares, will not be or be an Affiliate of, an "investment company" within the meaning of the Investment Company Act of 1940, as amended. The Company shall conduct its business in a manner so that it will not become an "investment company" subject to registration under the Investment Company Act of 1940, as amended.

(u) Listing and Maintenance Requirements. The Common Stock is registered pursuant to Section 12(b) or 12(g) of the Exchange Act, and the Company has taken no action designed to, or which to its knowledge is likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the Commission is contemplating terminating such registration. The Company has not, in the 12 months preceding the date hereof, received notice from any Trading Market on which the Common Stock is or has been listed or quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such Trading Market.

(v) Application of Takeover Protections. The Company and the Board of Directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or other similar anti-takeover provision under the Company's certificate of incorporation (or similar charter documents) or the laws of its state of incorporation that is or could become applicable to the Purchasers as a result of the Purchasers and the Company fulfilling their obligations or exercising their rights under the Transaction Documents, including without limitation as a result of the Company's issuance of the Shares and the Purchasers' ownership of the Shares.

(w) Disclosure. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company confirms that neither it nor any other Person acting on its behalf has provided any of the Purchasers or their agents or counsel with any information that it believes constitutes or might constitute material, non-public information which is not otherwise disclosed in the Prospectus Supplement. The Company understands and confirms that the Purchasers will rely on the foregoing representation in effecting transactions in securities of the Company. All of the disclosure furnished by or on behalf of the Company to the Purchasers regarding the Company, its business and the transactions contemplated hereby, including the Disclosure Schedules to this Agreement, is true and correct and does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements made therein, in light of the circumstances under which they were made, not misleading. The press releases disseminated by the Company during the twelve months preceding the date of this Agreement taken as a whole do not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in light of the circumstances under which they were made and when made, not misleading. The Company acknowledges and agrees that no Purchaser makes or has made any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in Section 3.2 hereof.

(x) No Integrated Offering. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, neither the Company, nor any of its Affiliates, nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any security or solicited any offers to buy any security, under circumstances that would cause this offering of the Shares to be integrated with prior offerings by the Company for purposes of any applicable shareholder approval provisions of any Trading Market on which any of the securities of the Company are listed or designated.

(y) Solvency. Based on the consolidated financial condition of the Company as of the Closing Date, after giving effect to the receipt by the Company of the proceeds from the sale of the Shares hereunder, (i) the fair saleable value of the Company's assets exceeds the amount that will be required to be paid on or in respect of the Company's existing debts and other liabilities (including known contingent liabilities) as they mature, (ii) the Company's assets do not constitute unreasonably small capital to carry on its business as now conducted and as proposed to be conducted including its capital needs taking into account the particular capital requirements of the business conducted by the Company, and projected capital requirements and capital availability thereof, and (iii) the current cash flow of the Company, together with the proceeds the Company would receive, were it to liquidate all of its assets, after taking into account all anticipated uses of the cash, would be sufficient to pay all amounts on or in respect of its liabilities when such amounts are required to be paid. The Company does not intend to incur debts beyond its ability to pay such debts as they mature (taking into account the timing and amounts of cash to be payable on or in respect of its debt). The Company has no knowledge of any facts or circumstances which lead it to believe that it will file for reorganization or liquidation under the bankruptcy or reorganization laws of any jurisdiction within one year from the Closing Date. Schedule 3.1(y) sets forth as of the date hereof all outstanding secured and unsecured Indebtedness of the Company or any Subsidiary, or for which the Company or any Subsidiary has commitments. For the purposes of this Agreement, "Indebtedness" means (x) any liabilities for borrowed money or amounts owed in excess of \$50,000 (other than trade accounts payable incurred in the ordinary course of business), (y) all guaranties, endorsements and other contingent obligations in respect of indebtedness of others, whether or not the same are or should be reflected in the Company's balance sheet (or the notes thereto), except guaranties by endorsement of negotiable instruments for deposit or collection or similar transactions in the ordinary course of business; and (z) the present value of any lease payments in excess of \$50,000 due under leases required to be capitalized in accordance with GAAP. Neither the Company nor any Subsidiary is in default with respect to any Indebtedness.

(z) Tax Status. Except for matters that would not, individually or in the aggregate, have or reasonably be expected to result in a Material Adverse Effect, the Company and each Subsidiary (i) has made or filed all United States federal and state income and all foreign income and franchise tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations and (iii) has set aside on its books provision reasonably adequate for the payment of all material taxes for periods subsequent to the periods to which such returns, reports or declarations apply. There are no unpaid taxes in any material amount claimed to be due by the taxing authority of any jurisdiction, and the officers of the Company or of any Subsidiary know of no basis for any such claim.

(aa) Foreign Corrupt Practices. Neither the Company, nor to the knowledge of the Company, any agent or other person acting on behalf of the Company, has (i) directly or indirectly, used any funds for unlawful contributions, gifts, entertainment or other unlawful expenses related to foreign or domestic political activity, (ii) made any unlawful payment to foreign or domestic government officials or employees or to any foreign or domestic political parties or campaigns from corporate funds, (iii) failed to disclose fully any contribution made by the Company (or made by any person acting on its behalf of which the Company is aware) which is in violation of law, or (iv) violated in any material respect any provision of the Foreign Corrupt Practices Act of 1977, as amended.

(bb) Acknowledgment Regarding Purchasers' Purchase of Shares. The Company acknowledges and agrees that each of the Purchasers is acting solely in the capacity of an arm's length purchaser with respect to the Transaction Documents and the transactions contemplated thereby. The Company further acknowledges that no Purchaser is acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to the Transaction Documents and the transactions contemplated thereby and any advice given by any Purchaser or any of their respective representatives or agents in connection with the Transaction Documents and the transactions contemplated thereby is merely incidental to the Purchasers' purchase of the Shares. The Company further represents to each Purchaser that the Company's decision to enter into this Agreement and the other Transaction Documents has been based solely on the independent evaluation of the transactions contemplated hereby by the Company and its representatives.

(cc) Acknowledgement Regarding Purchaser's Trading Activity. Anything in this Agreement or elsewhere herein to the contrary notwithstanding (except for Section 3.2(e) hereof), it is understood and acknowledged by the Company that: (i) none of the Purchasers have been asked by the Company to agree, nor has any Purchaser agreed, to desist from purchasing or selling, long and/or short, securities of the Company, or "derivative" securities based on securities issued by the Company or to hold the Shares for any specified term; (ii) past or future open market or other transactions by any Purchaser, specifically including, without limitation, Short Sales or "derivative" transactions, before or after the closing of this or future private placement transactions, may negatively impact the market price of the Company's publicly-traded securities; (iii) any Purchaser, and counter-parties in "derivative" transactions to which any such Purchaser is a party, directly or indirectly, presently may have a "short" position in the Common Stock, and (iv) each Purchaser shall not be deemed to have any affiliation with or control over any arm's length counter-party in any "derivative" transaction. The Company further understands and acknowledges that (y) one or more Purchasers may engage in hedging activities at various times during the period that the Shares are outstanding, and (z) such hedging activities (if any) could reduce the value of the existing stockholders' equity interests in the Company at and after the time that the hedging activities are being conducted. The Company acknowledges that such aforementioned hedging activities do not constitute a breach of any of the Transaction Documents.

(dd) Regulation M Compliance. The Company has not, and to its knowledge no one acting on its behalf has, (i) taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Shares, (ii) sold, bid for, purchased, or, paid any compensation for soliciting purchases of, any of the Shares, or (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company, other than, in the case of clauses (ii) and (iii), compensation paid to the Company's placement agent in connection with the placement of the Shares.

(ee) Office of Foreign Assets Control. Neither the Company nor, to the Company's knowledge, any director, officer, agent, employee or affiliate of the Company is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department ("OFAC").

(ff) U.S. Real Property Holding Corporation. The Company is not and has never been a U.S. real property holding corporation within the meaning of Section 897 of the Internal Revenue Code of 1986, as amended, and the Company shall so certify upon Purchaser's request.

(gg) Bank Holding Company Act. Neither the Company nor any of its Subsidiaries or Affiliates is subject to the Bank Holding Company Act of 1956, as amended (the “BHCA”) and to regulation by the Board of Governors of the Federal Reserve System (the “Federal Reserve”). Neither the Company nor any of its Subsidiaries or Affiliates owns or controls, directly or indirectly, five percent (5%) or more of the outstanding shares of any class of voting securities or twenty-five percent or more of the total equity of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve. Neither the Company nor any of its Subsidiaries or Affiliates exercises a controlling influence over the management or policies of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve.

(hh) Money Laundering. The operations of the Company are and have been conducted at all times in compliance with applicable financial record-keeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, applicable money laundering statutes and applicable rules and regulations thereunder (collectively, the “Money Laundering Laws”), and no action, suit or proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company with respect to the Money Laundering Laws is pending or, to the knowledge of the Company, threatened.

3.2 Representations and Warranties of the Purchasers. Each Purchaser, for itself and for no other Purchaser, hereby represents and warrants as of the date hereof and as of the Closing Date to the Company as follows (unless as of a specific date therein):

(a) Organization; Authority. Such Purchaser is either an individual or an entity duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization with full right, corporate or partnership power and authority to enter into and to consummate the transactions contemplated by this Agreement and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement and performance by such Purchaser of the transactions contemplated by this Agreement have been duly authorized by all necessary corporate, partnership, limited liability company or similar action, as applicable, on the part of such Purchaser. Each Transaction Document to which it is a party has been duly executed by such Purchaser, and when delivered by such Purchaser in accordance with the terms hereof, will constitute the valid and legally binding obligation of such Purchaser, enforceable against it in accordance with its terms, except: (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors’ rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(b) Understandings or Arrangements. Such Purchaser is acquiring the Shares as principal for its own account and has no direct or indirect arrangement or understandings with any other persons to distribute or regarding the distribution of such Shares (this representation and warranty not limiting such Purchaser’s right to sell the Shares pursuant to the Registration Statement or otherwise in compliance with applicable federal and state securities laws). Such Purchaser is acquiring the Shares hereunder in the ordinary course of its business.

(c) Purchaser Status. At the time such Purchaser was offered the Shares, it was, and as of the date hereof it is, either: (i) an “accredited investor” as defined in Rule 501(a)(1), (a)(2), (a)(3), (a)(7) or (a)(8) under the Securities Act or (ii) a “qualified institutional buyer” as defined in Rule 144A(a) under the Securities Act. Such Purchaser is not required to be registered as a broker-dealer under Section 15 of the Exchange Act.

(d) Experience of Such Purchaser. Such Purchaser, either alone or together with its representatives, has such knowledge, sophistication and experience in business and financial matters so as to be capable of evaluating the merits and risks of the prospective investment in the Shares, and has so evaluated the merits and risks of such investment. Such Purchaser is able to bear the economic risk of an investment in the Shares and, at the present time, is able to afford a complete loss of such investment.

(e) Certain Transactions and Confidentiality. Other than consummating the transactions contemplated hereunder, such Purchaser has not, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that such Purchaser first received a term sheet (written or oral) from the Company or any other Person representing the Company setting forth the material terms of the transactions contemplated hereunder and ending immediately prior to the execution hereof. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers managing other portions of such Purchaser's assets, the representation set forth above shall only apply with respect to the portion of assets managed by the portfolio manager that made the investment decision to purchase the Shares covered by this Agreement. Other than to other Persons party to this Agreement, such Purchaser has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Notwithstanding the foregoing, for avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to the identification of the availability of, or securing of, available shares to borrow in order to effect Short Sales or similar transactions in the future.

The Company acknowledges and agrees that the representations contained in Section 3.2 shall not modify, amend or affect such Purchaser's right to rely on the Company's representations and warranties contained in this Agreement or any representations and warranties contained in any other Transaction Document or any other document or instrument executed and/or delivered in connection with this Agreement or the consummation of the transaction contemplated hereby.

ARTICLE IV.

OTHER AGREEMENTS OF THE PARTIES

4.1 Integration. The Company shall not sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the Securities Act) that would be integrated with the offer or sale of the Shares for purposes of the rules and regulations of any Trading Market such that it would require shareholder approval prior to the closing of such other transaction unless shareholder approval is obtained before the closing of such subsequent transaction.

4.2 Securities Laws Disclosure; Publicity. The Company shall by 8:30 a.m. (New York City time) on the Trading Day immediately following the date hereof, issue a Current Report on Form 8-K, and including the Transaction Documents as exhibits thereto, within the time required by the Exchange Act. From and after the issuance of such Form 8-K, the Company shall have publicly disclosed all material, non-public information delivered to any of the Purchasers by the Company or any of its subsidiaries, or any of their respective officers, directors, employees or agents in connection with the transactions contemplated by the Transaction Documents. The Company and the Placement Agent shall consult with each other in issuing any other public disclosures with respect to the transactions contemplated hereby, and neither the Company nor any Purchaser shall issue any press release nor otherwise make any such public statement without the prior consent of the Company, with respect to any press release of any Purchaser, or without the prior consent of each Placement Agent, with respect to any press release of the Company, which consent shall not unreasonably be withheld or delayed, except if such disclosure is required by law, in which case the disclosing party shall promptly provide the other party with prior notice of such public statement or communication. Notwithstanding the foregoing, the Company shall not publicly disclose the name of any Purchaser, or include the name of any Purchaser in any filing with the Commission or any regulatory agency or Trading Market, without the prior written consent of such Purchaser, except (a) as required by federal securities law in connection with the filing of final Transaction Documents (including signature pages thereto) with the Commission, (b) to the extent such disclosure is required by law, in which case the Company shall provide the Purchasers with prior notice of such disclosure permitted under this clause (b), and (c) to the extent such disclosure is required by Trading Market regulations.

4.3 Shareholder Rights Plan. No claim will be made or enforced by the Company or, with the consent of the Company, any other Person, that any Purchaser is an “Acquiring Person” under any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or similar anti-takeover plan or arrangement in effect or hereafter adopted by the Company, or that any Purchaser could be deemed to trigger the provisions of any such plan or arrangement, by virtue of receiving Shares under the Transaction Documents or under any other agreement between the Company and the Purchasers.

4.4 Non-Public Information. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company covenants and agrees that neither it, nor any other Person acting on its behalf will provide any Purchaser or its agents or counsel with any information that the Company believes constitutes material non-public information, unless prior thereto such Purchaser shall have executed a written agreement with the Company regarding the confidentiality and use of such information. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company.

4.5 Use of Proceeds. The Company shall use the net proceeds from the sale of the Shares hereunder for working capital purposes and shall not use such proceeds for: (a) the satisfaction of any portion of the Company’s debt (other than payment of regular monthly debt payments and trade payables in the ordinary course of the Company’s business and prior practices), (b) the redemption of any Common Stock or Common Stock Equivalents, (c) the settlement of any outstanding litigation or (d) in violation of the FCPA or OFAC regulations.

4.6 Indemnification of Purchasers. Subject to the provisions of this Section 4.6, the Company will indemnify and hold each Purchaser and its directors, officers, shareholders, members, partners, employees and agents (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title), each Person who controls such Purchaser (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, shareholders, agents, members, partners or employees (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title) of such controlling persons (each, a “Purchaser Party”) harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys’ fees and costs of investigation that any such Purchaser Party may suffer or incur as a result of or relating to (a) any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or in the other Transaction Documents or (b) any action instituted against a Purchaser in any capacity, or any of them or their respective Affiliates, by any stockholder of the Company who is not an Affiliate of such Purchaser, with respect to any of the transactions contemplated by the Transaction Documents (unless such action is based upon a breach of such Purchaser’s representations, warranties or covenants under the Transaction Documents or any agreements or understandings such Purchaser may have with any such stockholder or any violations by such Purchaser of state or federal securities laws or any conduct by such Purchaser which constitutes fraud, gross negligence, willful misconduct or malfeasance). If any action shall be brought against any Purchaser Party in respect of which indemnity may be sought pursuant to this Agreement, such Purchaser Party shall promptly notify the Company in writing, and the Company shall have the right to assume the defense thereof with counsel of its own choosing reasonably acceptable to the Purchaser Party. Any Purchaser Party shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Purchaser Party except to the extent that (i) the employment thereof has been specifically authorized by the Company in writing, (ii) the Company has failed after a reasonable period of time to assume such defense and to employ counsel or (iii) in such action there is, in the reasonable opinion of counsel, a material conflict on any material issue between the position of the Company and the position of such Purchaser Party, in which case the Company shall be responsible for the reasonable fees and expenses of no more than one such separate counsel. The Company will not be liable to any Purchaser Party under this Agreement (y) for any settlement by a Purchaser Party effected without the Company’s prior written consent, which shall not be unreasonably withheld or delayed; or (z) to the extent, but only to the extent that a loss, claim, damage or liability is attributable to any Purchaser Party’s breach of any of the representations, warranties, covenants or agreements made by such Purchaser Party in this Agreement or in the other Transaction Documents. The indemnification required by this Section 4.6 shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as and when bills are received or are incurred. The indemnity agreements contained herein shall be in addition to any cause of action or similar right of any Purchaser Party against the Company or others, and (y) any liabilities the Company may be subject to pursuant to law.

4.7 Reservation of Common Stock. As of the date hereof, the Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Common Stock for the purpose of enabling the Company to issue the Shares pursuant to this Agreement.

4.8 Listing of Common Stock. The Company hereby agrees to use reasonable best efforts to maintain the listing or quotation of the Common Stock on the Trading Market on which it is currently listed, and concurrently with the Closing, the Company shall apply to list or quote all of the Shares on such Trading Market and promptly secure the listing of all of the Shares on such Trading Market. The Company will then take all action reasonably necessary to continue the listing and trading of its Common Stock on a Trading Market and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Trading Market.

4.9 Equal Treatment of Purchasers. No consideration (including any modification of any Transaction Document) shall be offered or paid to any Person to amend or consent to a waiver or modification of any provision of any of the Transaction Documents unless the same consideration is also offered to all of the parties to the Transaction Documents. For clarification purposes, this provision constitutes a separate right granted to each Purchaser by the Company and negotiated separately by each Purchaser, and is intended for the Company to treat the Purchasers as a class and shall not in any way be construed as the Purchasers acting in concert or as a group with respect to the purchase, disposition or voting of Shares or otherwise.

ARTICLE V. MISCELLANEOUS

5.1 Fees and Expenses. Except as expressly set forth in the Transaction Documents to the contrary, each party shall pay the fees and expenses of its advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all Transfer Agent fees, stamp taxes and other taxes and duties levied in connection with the delivery of any Shares to the Purchasers.

5.2 Entire Agreement. The Transaction Documents, together with the exhibits and schedules thereto, the Prospectus and the Prospectus Supplement, contain the entire understanding of the parties with respect to the subject matter hereof and supersede all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules.

5.3 Notices. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earliest of: (a) the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number set forth on the signature pages attached hereto prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second (2nd) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given. The address for such notices and communications shall be as set forth on the signature pages attached hereto.

5.4 Amendments; Waivers. No provision of this Agreement may be waived, modified, supplemented or amended except in a written instrument signed, in the case of an amendment, by the Company and the Purchasers holding at least 67% in interest of the Shares based on the initial Subscription Amounts hereunder or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought. No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right.

5.5 Headings. The headings herein are for convenience only, do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof.

5.6 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Company may not assign this Agreement or any rights or obligations hereunder without the prior written consent of each Purchaser (other than by merger). Any Purchaser may assign any or all of its rights under this Agreement to any Person to whom such Purchaser assigns or transfers any Shares, provided that such transferee agrees in writing to be bound, with respect to the transferred Shares, by the provisions of the Transaction Documents that apply to the "Purchasers."

5.7 No Third-Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except as otherwise set forth in Section 4.6 and in the Placement Agent Agreement.

5.8 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of the Transaction Documents shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each party agrees that all legal proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and any other Transaction Documents (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, action or proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. If either party shall commence an action or proceeding to enforce any provisions of the Transaction Documents, then, in addition to the obligations of the Company under Section 4.6, the prevailing party in such action or proceeding shall be reimbursed by the other party for its reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding.

5.9 Survival. The representations and warranties contained herein shall survive the Closing and the delivery of the Shares for twelve (12) months.

5.10 Execution. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to the other party, it being understood that both parties need not sign the same counterpart. In the event that any signature is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

5.11 Severability. If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenant or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

5.12 Replacement of Shares. If any certificate or instrument evidencing any Shares is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation thereof (in the case of mutilation), or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction. The applicant for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs (including customary indemnity) associated with the issuance of such replacement Shares.

5.13 Remedies. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, each of the Purchasers and the Company will be entitled to specific performance under the Transaction Documents. The parties agree that monetary damages may not be adequate compensation for any loss incurred by reason of any breach of obligations contained in the Transaction Documents and hereby agree to waive and not to assert in any action for specific performance of any such obligation the defense that a remedy at law would be adequate.

5.14 Independent Nature of Purchasers' Obligations and Rights. The obligations of each Purchaser under any Transaction Document are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance or non-performance of the obligations of any other Purchaser under any Transaction Document. Nothing contained herein or in any other Transaction Document, and no action taken by any Purchaser pursuant thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Purchaser shall be entitled to independently protect and enforce its rights including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any proceeding for such purpose. Each Purchaser has been represented by its own separate legal counsel in their review and negotiation of the Transaction Documents. For reasons of administrative convenience only, each Purchaser and its respective counsel have chosen to communicate with the Company through KLG. KLG does not represent any of the Purchasers and only represents the Placement Agent. The Company has elected to provide all Purchasers with the same terms and Transaction Documents for the convenience of the Company and not because it was required or requested to do so by any of the Purchasers. It is expressly understood and agreed that each provision contained in this Agreement and in each other Transaction Document is between the Company and a Purchaser, solely, and not between the Company and the Purchasers collectively and not between and among the Purchasers.

5.15 Liquidated Damages. The Company's obligations to pay any partial liquidated damages or other amounts owing under the Transaction Documents is a continuing obligation of the Company and shall not terminate until all unpaid partial liquidated damages and other amounts have been paid notwithstanding the fact that the instrument or security pursuant to which such partial liquidated damages or other amounts are due and payable shall have been canceled.

5.16 Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then such action may be taken or such right may be exercised on the next succeeding Business Day.

5.17 Construction. The parties agree that each of them and/or their respective counsel has reviewed and had an opportunity to revise the Transaction Documents and, therefore, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of the Transaction Documents or any amendments hereto. In addition, each and every reference to share prices and shares of Common Stock in any Transaction Document shall be subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Common Stock that occur after the date of this Agreement.

5.18 **WAIVER OF JURY TRIAL . IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY, THE PARTIES EACH KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, HEREBY ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVES FOREVER TRIAL BY JURY.**

(Signature Pages Follow)

IN WITNESS WHEREOF, the parties hereto have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

ATOMERA INCORPORATED

By: /s/ Scott A. Bibaud

Scott A. Bibaud, President and Chief Executive Officer

Address for Notice:

750 University Avenue, Suite 280,
Los Gatos, California 95032

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK
SIGNATURE PAGE FOR PURCHASER FOLLOWS]

[PURCHASER SIGNATURE PAGES TO SECURITIES PURCHASE AGREEMENT]

IN WITNESS WHEREOF, the undersigned have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

Name of Purchaser: _____

Signature of Authorized Signatory of Purchaser : _____

Name of Authorized Signatory: _____

Title of Authorized Signatory: _____

Email Address of Authorized Signatory: _____

Facsimile Number of Authorized Signatory: _____

Address for Notice of Purchaser: _____

Address for Delivery of Shares for Purchaser (if not same as address for notice):

DWAC Instructions: _____

Subscription Amount: \$ _____

Shares: _____

[SIGNATURE PAGES CONTINUE]

Atomera Announces \$6.7 Million Registered Direct Offering of Common Stock

LOS GATOS, Calif. – May 29, 2019 – Atomera Incorporated (Nasdaq: ATOM) today announced that it has entered into a definitive stock purchase agreement with institutional investors for the purchase of 1,675,000 shares of common stock, at an offering price of \$4.00 per share, in a registered direct offering, for expected gross proceeds of approximately \$6.7 million before placement agent fees and other offering expenses payable by Atomera.

This transaction was led by Transcend Partners, LLC (a private family office) and its affiliates, representing a substantial increase from their previously acquired stake in the company. They provided early funding to Atomera prior to IPO and have a track record as valued long-term investors in high-growth technology companies. The offering is expected to close on or about May 30, 2019, subject to customary closing conditions.

National Securities Corporation, a wholly owned subsidiary of National Holdings Corporation (Nasdaq: NHLD), is acting as sole placement agent for the offering. The Liquid Venture Partners group at National Securities Corporation was responsible for sourcing and executing the offering.

Atomera intends to use the net proceeds from the proposed offering for working capital and general corporate purposes.

The offering of common stock was made pursuant to Atomera's shelf registration statement filed with the Securities and Exchange Commission (SEC) and declared effective. A prospectus supplement and accompanying prospectus describing the terms of the offering will be filed with the SEC. Copies of the prospectus supplement and the accompanying prospectus relating to the securities being offered may be obtained, when available, from: National Securities Corporation, Attention: Christopher Passarelli, 200 Vesey Street, 25th Floor, New York, New York 10281, telephone: (212) 417-8164 or by email at prospectusrequest@nationalsecurities.com; or on the SEC's website at <http://www.sec.gov>

This announcement shall not constitute an offer to sell or a solicitation of an offer to buy these securities, nor shall there be any offer or sale of these securities in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful.

Safe Harbor

This press release contains forward-looking statements regarding the expected closing of the registered direct offering and the intended use of proceeds from the offering. The offering is subject to customary closing conditions and there can be no assurance as to whether or when the offering may be completed. Forward-looking statements involve known and unknown risks, uncertainties and other factors that could cause actual results to differ materially, including those risks disclosed under the caption "Risk Factors" in the prospectus supplement related to the offering. Atomera cautions readers not to place undue reliance on any forward-looking statements. The Company does not undertake, and specifically disclaims any obligation, to update or revise such statements to reflect new circumstances or unanticipated events as they occur.

Investor Contact:

Bishop IR
Mike Bishop
(415) 894-9633
investor@atomera.com