

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): **December 5, 2024**

Scorpius Holdings, Inc.

(Exact name of registrant as specified in charter)

Delaware

(State or other jurisdiction of incorporation)

001-35994

(Commission File Number)

26-2844103

(IRS Employer Identification No.)

**627 Davis Drive, Suite 400
Morrisville, North Carolina 27560**

(Address of principal executive offices and zip code)

(919) 240-7133

(Registrant's telephone number including area code)

(Former Name and Former Address)

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

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- ☐ Soliciting material pursuant to Rule 14a-12(b) 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))

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, \$0.0002 par value per share	SCPX	NYSE American LLC
Common Stock Purchase Rights		NYSE American LLC

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 checkmark 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. ☐

Item 1.01. Entry Into a Material Definitive Agreement.

On December 5, 2024, Scorpius Holdings, Inc., a Delaware corporation (the “Company”) entered into a Securities Purchase Agreement (the “Purchase Agreement”) with certain institutional investors (collectively, the “Investors”), pursuant to which the Company agreed to issue, in a private placement offering (the “Offering”), upon the satisfaction of certain conditions specified in the Purchase Agreement, 9% senior secured convertible notes (the “Notes”) in the aggregate principal amount of Thirteen Million Three Hundred Eighty-Eight Thousand Eight Hundred Eighty-Nine Dollars (\$13,388,889), and warrants (the “Warrants”) to purchase up to an aggregate of Thirteen Million Three Hundred Eighty-Eight Thousand Eight Hundred Eighty-Nine (13,388,889) shares of the Company’s common stock, par value \$0.0002 per share (the “Common Stock”), to the Investors for an aggregate purchase price of \$12,050,000, representing an original issue discount of ten percent (10%).

The closing is expected to occur on December 6, 2024 (the “Closing Date”). The Company anticipates that it will receive net proceeds from the Offering of approximately \$3.3 million, net of the \$8,500,000 of the Offering proceeds that the Company agreed to use to pay to the Investors pursuant to the Purchase Agreement to repurchase pre-funded warrants held by the Investors (the “Pre-Funded Warrants”), which amount will be paid to the Investors at the closing of the Offering, as well as repayment of a promissory note in the principal amount of \$225,000, plus accrued interest, held by one of the Investors. In connection with the Offering, the Company agreed to reimburse the Investors for all costs and expenses incurred by them or their affiliates in connection with the transactions contemplated by the Purchase Agreement, up to \$50,000. ThinkEquity LLC (“ThinkEquity”) acted as placement agent in the Offering. In connection with the closing of the Offering, the Company agreed to pay a placement fee to ThinkEquity equal to 8% of the net proceeds of the Offering paid to the Company, net of the amount used to repurchase the Pre-Funded Warrants and the amount of the original issue discount, which is expected to be \$285,000.

On the Closing Date, the Company, each of the Company’s domestic subsidiaries and the Investors will also enter into a Security Agreement (the “Security Agreement”), pursuant to which the Company and each of the Company’s domestic subsidiaries will grant security interests in the Collateral (as such term is defined in the Security Agreement) to secure the obligations of the Company under the Notes and the Purchase Agreement. Each of the Company’s domestic subsidiaries will also execute and deliver a Subsidiary Guarantee on the Closing Date, pursuant to which they will agree to guarantee the Company’s obligations under the Notes and act as surety for payment of the Notes.

The Notes mature on the third anniversary of their date of issuance, unless prior thereto there is an event of default, and bear interest at a rate of 9% per annum payable in cash on the first business day of each fiscal quarter beginning January 2, 2025. The Notes are convertible, at the option of the holder, at any time, into such number of shares of Common Stock of the Company equal to the principal amount of the Note plus all accrued and unpaid interest at a conversion price equal to \$0.50 (the “Conversion Price”), subject to adjustment for any stock splits, stock dividends, recapitalizations and similar events and subject to an Exchange Cap (as defined below) and other limitations. The Notes contain customary events of default, including the failure of Jeffrey Wolf to remain as Chief Executive Officer of the Company, unless an individual reasonably acceptable to the Investors has been appointed to replace Mr. Wolf within thirty (30) days of such occurrence, unless the Investors extend such deadline for an additional thirty (30) days at their sole discretion. If an event of default occurs, until it is cured, the Investors may increase the interest rate applicable to the Note to fifteen percent (15%) annum. If an event of default occurs, the Investors may require the Company to redeem (regardless of whether such event of default has been cured) all or any portion of the Notes. Subject to limited exceptions set forth in the Notes, the Notes prohibit the Company and, as applicable, its subsidiaries from incurring any new indebtedness. The Notes also provide that the Company shall, while the Notes remain outstanding, maintain a net monthly cash burn of not more than \$1,800,000, calculated on an average trailing-three-month basis, decreasing by increments of \$500,000 every three months.

The Notes are redeemable by the Company at a redemption price equal to 110% of the sum of the principal amount to be redeemed plus accrued interest, if any. While the Notes are outstanding, if the Company enters into a Subsequent Placement (as such term is defined in the Purchase Agreement), each of the Investors shall have the right, in their sole discretion, to require that the Company redeem all, or any portion, of the amount due under their Note in an amount not in excess of the Investor’s pro rata amount of 25% of the gross proceeds of such Subsequent Placement.

The Warrants expire five years from their date of issuance. The Warrants are exercisable, at the option of the holder, at any time, for up to an aggregate of 13,388,889 shares of Common Stock of the Company at an exercise price equal to \$0.50 (the “Exercise Price”), subject to adjustment for any stock splits, stock dividends, recapitalizations, and similar events. The Warrants provide for cashless exercise under certain circumstances.

The Purchase Agreement prohibits the Company from entering into a Variable Rate Transaction (as such term is defined in the Purchase Agreement) for a period of twelve months from the Closing Date, other than an equity line of credit with one of the Investors.

Pursuant to the Purchase Agreement, the Company agreed to file a registration statement within 30 days to register the shares of Common Stock issuable upon conversion of the Notes (the “Conversion Shares”) and upon exercise of the Warrants (the “Warrant Shares”) with the Securities and Exchange Commission (the “SEC”) and to use its commercially reasonable best efforts to have the registration statement declared effective by the SEC within 75 calendar days of the Closing Date (or 135 days if the SEC elects to review such registration statement) and to keep such registration statement effective for one year after its effectiveness.

On the Closing Date, all of the officers and directors of the Company will enter into Support Agreements, pursuant to which they will agree to vote all shares of Common Stock beneficially owned by each stockholder in favor of the transactions contemplated by the Purchase Agreement, including (a) the issuance of all of the Conversion Shares and Warrant Shares in excess of 19.99% of the issued and outstanding Common Stock at the time the Company enters into the Purchase Agreement (the “Stockholder Approval”), and (b) any subsequent issuance(s) of the Conversion Shares or Warrants Shares in excess of 19.99% of the issued and outstanding Common Stock as a consequence of any corporate action, including the implementation of a reverse stock split. Pursuant to the Purchase Agreement, the Company has agreed to hold a meeting for the purpose of obtaining Stockholder Approval by March 31, 2025. If Stockholder Approval is not obtained by such date, the Company has agreed to hold a second meeting for the purpose of obtaining Stockholder Approval by July 1, 2025. If Stockholder Approval is not obtained by such date, the Company has agreed to hold a meeting every three months thereafter until Stockholder Approval is obtained.

The Purchase Agreement contains customary representations, warranties, agreements and conditions to completing future sale transactions, indemnification rights and obligations of the parties. Among other things, the Investors represented to the Company, that they are “accredited investors” (as such term is defined in Rule 501(a) of Regulation D under the Securities Act of 1933, as amended (the “Securities Act”)), and the Company sold the securities in reliance upon an exemption from registration contained in Section 4(a)(2) of the Securities Act and/or Regulation D promulgated thereunder.

The number of shares of the Company’s Common Stock that may be issued upon conversion of the Notes and exercise of the Warrants, and inclusive of any shares issuable under and in respect of the Purchase Agreement, is subject to an exchange cap (the “Exchange Cap”) of 19.99% of the outstanding number of shares of the Company’s Common Stock at the time the Company enters into the Purchase Agreement, 865,820 shares, unless Stockholder Approval is obtained to exceed the Exchange Cap. If the Notes were to fully convert into Conversion Shares at the Conversion Price, assuming no Exchange Cap, the Company would issue 26,777,778 Conversion Shares plus an additional 7,230,000 shares of Common Stock if interest and the Make-Whole Amount (as such term is defined in the Notes) is also converted into shares of Common Stock.

The foregoing descriptions of the Purchase Agreement, Notes, Warrants, Security Agreement, Subsidiary Guarantee and Support Agreement are qualified in their entirety by reference to the full text of such agreements, copies of which are attached hereto as Exhibit 10.1, 4.1, 4.2, 10.2, 10.3 and 10.4, respectively, and each of which is incorporated herein in its entirety by reference. The representations, warranties and covenants contained in such agreements were made only for purposes of such agreements and as of specific dates, were solely for the benefit of the parties to such agreements and may be subject to limitations agreed upon by the contracting parties.

Item 2.03 Creation of a Direct Financial Obligation or an Obligation Under an Off-balance Sheet Arrangement of a Registrant.

The information set forth under Item 1.01 above of this Current Report on Form 8-K is incorporated by reference in this Item 2.03.

Item 3.02. Unregistered Sales of Equity Securities.

The information set forth under Item 1.01 above of this Current Report on Form 8-K is incorporated by reference in this Item 3.02. The shares of the Company’s Common Stock issued, and the shares to be issued, under the Purchase Agreement, the Notes, and the Warrants were, and will be, sold pursuant to an exemption from the registration requirements under Section 4(a)(2) of the Securities Act and/or Rule 506 of Regulation D promulgated thereunder. The shares of Common Stock have not been registered under the Securities Act and may not be offered or sold in the United States in the absence of an effective registration statement or exemption from the registration requirements.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit Number	Exhibit Description
4.1	Form of Senior Secured Convertible Note
4.2	Form of Warrant
10.1	Form of Securities Purchase Agreement
10.2	Form of Security Agreement
10.3	Form of Subsidiary Guarantee
10.4	Form of Support Agreement
104	Cover Page Interactive Data File (the cover page XBRL tags are embedded within the inline XBRL document)

SIGNATURES

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

Dated: December 6, 2024

SCORPIUS HOLDINGS, INC.

By: /s/ Jeffrey Wolf
Name: Jeffrey Wolf
Title: Chairman, President and
Chief Executive Officer

Exhibit 4.1

SENIOR SECURED CONVERTIBLE NOTE

NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE CONVERTIBLE HAVE BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL TO THE HOLDER (IF REQUESTED BY THE COMPANY), IN A FORM REASONABLY ACCEPTABLE TO THE COMPANY, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD OR ELIGIBLE TO BE SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. THE PRINCIPAL AMOUNT REPRESENTED BY THIS NOTE AND, ACCORDINGLY, THE SECURITIES ISSUABLE UPON CONVERSION HEREOF MAY BE LESS THAN THE AMOUNTS SET FORTH ON THE FACE HEREOF PURSUANT TO SECTION 3(c)(iii) OF THIS NOTE.

THIS NOTE HAS BEEN ISSUED WITH ORIGINAL ISSUE DISCOUNT ("OID") OF TEN PERCENT (10%). PURSUANT TO TREASURY REGULATION §1.1275-3(b)(1), WILLIAM OSTRANDER, A REPRESENTATIVE OF THE COMPANY HEREOF WILL, BEGINNING TEN DAYS AFTER THE FUNDING AND ISSUANCE DATE OF THIS NOTE, PROMPTLY MAKE AVAILABLE TO THE HOLDER UPON REQUEST THE INFORMATION DESCRIBED IN TREASURY REGULATION §1.1275-3(b)(1)(i). WILLIAM OSTRANDER MAY BE REACHED AT TELEPHONE NUMBER (919) 802-3587.

Scorpius Holdings, Inc.
Senior Secured Convertible Note

Issuance Date: December [], 2024

Original Principal Amount: U.S. \$[•]1

FOR VALUE RECEIVED, Scorpius Holdings, Inc. a Delaware corporation (the "**Company**"), hereby promises to pay to the order of [] or its registered assigns ("**Holder**") the amount set forth above as the original principal amount (as reduced pursuant to the terms hereof pursuant to redemption, conversion amortization or otherwise, the "**Principal**") when due, whether upon the Maturity Date, on any Amortization Date with respect to the Amortization Amount due on such Amortization Date (each as defined below), or upon acceleration, redemption or otherwise (in each case in accordance with the terms hereof) and to pay interest ("**Interest**") on any outstanding Principal at the applicable Interest Rate (as defined below) from the date set forth above as the Issuance Date (the "**Issuance Date**") or such later date of funding of the Principal (the "**Funding Date**"), until the same becomes due and payable, whether upon the Maturity Date, on any Amortization Date with respect to the Amortization Amount due on such Amortization Date, or upon acceleration, conversion, redemption or otherwise (in each case in accordance with the terms hereof). This Senior Secured Convertible Note (including all Senior Convertible Notes issued in exchange, transfer or replacement hereof, this "**Note**") is one of several Senior Secured Convertible Notes issued pursuant to the Securities Purchase Agreement (collectively, the "**Notes**," and such other Notes, the "**Other Notes**"). This Note is secured to the extent and in the manner set forth in the Transaction Documents (including, without limitation, the Security Agreement).

1. **PAYMENTS OF PRINCIPAL.** On each Amortization Date, the Company shall pay to the Holder an amount equal to the Amortization Amount on such Amortization Date in accordance with Section 12. On the Maturity Date, the Company shall pay to the Holder an amount in cash representing all outstanding Principal, accrued and unpaid Interest, Make-Whole Amount and accrued and unpaid Late Charges (as defined in Section 28(c)) on such Principal, Interest and any prior unpaid Make-Whole Amount, if any. The Company may prepay any portion of the outstanding Principal, accrued and unpaid Interest or accrued and unpaid Late Charges on Principal, Interest and Make-Whole Amount, if any, at any time.

¹Aggregate purchase price for both investors is \$12,050,000 (\$11,175,000 and \$875,000). The original principal amounts will reflect a 10% OID (\$12,416,667 and \$972,222).

2. INTEREST; INTEREST RATE.

(a) Interest on this Note shall commence accruing on the Funding Date at the Interest Rate and shall be computed on the basis of a 360-day year and twelve 30-day months and shall be payable in arrears on the first Business Day of each Fiscal Quarter (each, an "**Interest Date**") with the first Interest Date being January 2, 2025. Interest shall be payable on each Interest Date, to the Holder of this Note on the applicable Interest Date, in cash ("**Cash Interest**").

(b) In addition to paying Interest in accordance with Section 2(a) above on each Interest Date, Interest on this Note may be payable by way of inclusion of the Interest in the Conversion Amount on each Conversion Date in accordance with Section 3(b)(i) or upon any redemption in accordance with Section 15 or any required payment upon any Bankruptcy Event of Default. From and after the occurrence and during the continuance of any Event of Default, the Interest Rate shall automatically be increased to fifteen percent (15.0%) per annum (the "**Default Rate**"). In the event that such Event of Default is subsequently cured or waived in writing in accordance with the terms of this Note (and no other Event of Default then exists, including, without limitation, for the Company's failure to pay such Interest at the Default Rate on the applicable Interest Date), the Default Rate referred to in the preceding sentence shall cease to be effective as of the calendar day immediately following the date of such cure; provided that the Interest as calculated and unpaid at such increased rate during the continuance of such Event of Default shall continue to apply to the extent relating to the days after the occurrence of such Event of Default through and including the date of such cure or waiver of such

3. **CONVERSION OF NOTES.** At any time after the Issuance Date, this Note shall be convertible into validly issued, fully paid and non-assessable shares of Common Stock (as defined below), on the terms and conditions set forth in this Section 3.

(a) **Conversion Right.** Subject to the provisions of Section 3(d) and any requisite Stockholder Approval, at any time or times on or after the Issuance Date, the Holder shall be entitled to convert any portion of the outstanding and unpaid Conversion Amount (as defined below) into validly issued, fully paid and non-assessable shares of Common Stock in accordance with Section 3(c), at the Conversion Rate (as defined below). The Company shall not issue any fraction of a share of Common Stock upon any conversion. If the issuance would result in the issuance of a fraction of a share of Common Stock, the Company shall round such fraction of a share of Common Stock up to the nearest whole share. The Company shall pay any and all transfer, stamp, issuance and similar taxes, costs and expenses (including, without limitation, fees and expenses of the Transfer Agent) that may be payable with respect to the issuance and delivery of Common Stock upon conversion of any Conversion Amount.

(b) **Conversion Rate.** The number of shares of Common Stock issuable upon conversion of any Conversion Amount pursuant to Section 3(a) shall be determined by dividing (x) such Conversion Amount by (y) the Conversion Price (the **"Conversion Rate"**).

(i) **"Conversion Amount"** means the sum of (w) portion of the Principal to be converted, redeemed or otherwise with respect to which this determination is being made, (x) all accrued and unpaid Interest with respect to such portion of the Principal amount, (y) the Make-Whole Amount, if any, and (z) accrued and unpaid Late Charges with respect to such portion of such Principal, such Interest, if any, and such Make-Whole Amount, if any.

(ii) **"Conversion Price"** means \$0.50 per share, subject to the approval of NYSE American LLC of the transaction contemplated by the Securities Purchase Agreement and the Company's issuance of this Note, subject to adjustment for stock splits, stock dividends, stock combinations, recapitalizations or other similar events.

(c) **Mechanics of Conversion.**

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(i) **Optional Conversion.** To convert any Conversion Amount into shares of Common Stock on any date (a **"Conversion Date"**), the Holder shall deliver (whether via electronic mail or otherwise), for receipt on or prior to 11:59 p.m., New York time, on such date, a copy of an executed notice of conversion in the form attached hereto as **Exhibit I** (each, a **"Conversion Notice"**) to the Company. If required by Section 3(c)(iii), within two (2) Trading Days following a conversion of this Note as aforesaid, the Holder shall surrender this Note to a nationally recognized overnight delivery service for delivery to the Company (or an indemnification undertaking with respect to this Note in the case of its loss, theft or destruction as contemplated by Section 20(b)). On or before the first (1st) Trading Day following the date on which the Company has received a Conversion Notice (or such earlier date as required pursuant to the 1934 Act or other applicable law, rule or regulation for the settlement of a trade initiated on the applicable Conversion Date of such shares of Common Stock issuable pursuant to such Conversion Notice) (the **"Share Delivery Deadline"**), the Company shall (1) provided that the Transfer Agent is participating in The Depository Trust Company's (**"DTC"**) Fast Automated Securities Transfer Program (**"FAST"**), credit such aggregate number of shares of Common Stock to which the Holder shall be entitled pursuant to such conversion to the Holder's or its designee's balance account with DTC through its Deposit/Withdrawal at Custodian system or (2) if the Transfer Agent is not participating in FAST, upon the request of the Holder, issue and deliver (via reputable overnight courier) to the address as specified in the Conversion Notice, a certificate, registered in the name of the Holder or its designee, for the number of shares of Common Stock to which the Holder shall be entitled pursuant to such conversion. If this Note is physically surrendered for conversion pursuant to Section 3(c)(iii) and the outstanding principal of this Note is greater than the principal portion of the Conversion Amount being converted, then the Company shall as soon as practicable and in no event later than five (5) Business Days after receipt of this Note and at its own expense, issue and deliver to the Holder (or its designee) a new Note (in accordance with Section 20(d)) representing the outstanding principal not converted. The Person or Persons entitled to receive the shares of Common Stock issuable upon a conversion of this Note shall be treated for all purposes as the record holder or holders of such shares of Common Stock on the Conversion Date. Notwithstanding anything to the contrary contained in this Note or the Securities Purchase Agreement, after the effective date of the Registration Statement (as defined in the Securities Purchase Agreement) and prior to the Holder's receipt of the notice of a Grace Period (as defined in the Securities Purchase Agreement), the Company shall cause the Transfer Agent to deliver unlegended shares of Common Stock to the Holder (or its designee) in connection with any sale of Registrable Securities (as defined in the Securities Purchase Agreement) which are registered on the Registration Statement with respect to which the Holder has entered into a contract for sale in compliance with such Registration Statement, and delivered a copy of the prospectus included as part of the particular Registration Statement to the extent applicable, and for which the Holder has not yet settled.

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(ii) **Company's Failure to Timely Convert.** If the Company shall fail, for any reason or for no reason, on or prior to the applicable Share Delivery Deadline, either (I) if the Transfer Agent is not participating in FAST, to issue and deliver to the Holder (or its designee) a certificate for the number of shares of Common Stock to which the Holder is entitled and register such shares of Common Stock on the Company's share register or, if the Transfer Agent is participating in FAST, to credit the balance account of the Holder or the Holder's designee with DTC for such number of shares of Common Stock to which the Holder is entitled upon the Holder's conversion of this Note (as the case may be) or (II) if the Registration Statement covering the resale of the shares of Common Stock that are the subject of the Conversion Notice (the **"Unavailable Conversion Shares"**) is not available for the resale of such Unavailable Conversion Shares by the Effectiveness Deadline (as defined in the Securities Purchase Agreement) and the Company fails to promptly, but in no event later than as required pursuant to the Securities Purchase Agreement (x) so notify the Holder and (y) deliver the shares of Common Stock electronically without any restrictive legend by crediting such aggregate number of shares of Common Stock to which the Holder is entitled pursuant to such conversion to the Holder's or its designee's balance account with DTC through its Deposit/Withdrawal At Custodian system (the event described in the immediately foregoing clause (II) is hereinafter referred to as a **"Notice Failure"** and together with the event described in clause (I) above, a **"Conversion Failure"**), then, in addition to all other remedies available to the Holder, (1) the Company shall pay in cash to the Holder on every fifth day after the fifth day after such Share Delivery Deadline that the issuance of such shares of Common Stock is not timely effected an amount equal to 1% of the product of (A) the sum of the number of shares of Common Stock not issued to the Holder on or prior to the Share Delivery Deadline and to which the Holder is entitled, multiplied by (B) any trading price of the Common Stock selected by the Holder in writing as in effect at any time during the period beginning on the applicable Conversion Date and ending on the applicable Share Delivery Deadline provided that in no event shall such amount exceed one percent (1%) of the remaining outstanding balance owed under this Note and (2) the Holder, upon written notice to the Company, may void its Conversion Notice with respect to, and retain or have returned (as the case may be) any portion of this Note that has not been converted pursuant to such Conversion Notice, provided that the voiding of a Conversion Notice shall not affect the Company's obligations to make any payments which have accrued prior to the date of such notice pursuant to this Section 3(c)(ii) or otherwise. In lieu of the foregoing, if on or prior to the Share Delivery Deadline either (A) if the Transfer Agent is not participating in FAST, the Company shall fail to issue and deliver to the Holder (or its designee) a certificate and register such shares of Common Stock on the Company's share register or, if the Transfer Agent is participating in FAST, the Transfer Agent shall fail to credit the balance account of the Holder or the Holder's designee with DTC for the number of shares of Common Stock to which the Holder is entitled upon the Holder's conversion hereunder or pursuant to the Company's obligation pursuant to clause (II) below or (B) a Notice Failure occurs, and if on or after such Share Delivery Deadline the Holder purchases (in an open market transaction or otherwise) shares of Common Stock corresponding to all or any portion of the number of shares of Common Stock issuable upon such conversion that the Holder is entitled to receive from the Company and has not received from the Company in connection with such Conversion Failure or Notice Failure, as applicable (a **"Buy-In"**), then, in addition to all other remedies available to the Holder, the Company shall, within two (2) Business Days after receipt of the Holder's request and in the Holder's discretion, either: (I) pay cash to the Holder in an amount equal to the Holder's total purchase price (including brokerage commissions and other out-of-pocket expenses, if any) for the shares of Common Stock so purchased (including, without limitation, by any other Person in respect, or on behalf, of the Holder) (the **"Buy-In Price"**), at which point the Company's obligation to so issue and deliver such certificate (and to issue such shares of Common Stock) or credit the balance account of such Holder or such Holder's designee, as applicable, with DTC for the number of shares of Common Stock to which the Holder is entitled upon the Holder's conversion hereunder (as the case may be) (and to issue such shares of Common Stock) shall terminate, or (II) promptly honor its obligation to so issue and deliver to the Holder a certificate or certificates representing such shares of Common Stock or credit the balance account of such Holder or such Holder's designee, as applicable, with DTC for the number of shares of Common Stock to which the Holder is entitled upon the Holder's conversion hereunder (as the case may be) and pay cash to the Holder in an amount equal to the excess (if any) of the Buy-In Price over the product of (x) such number of shares

of Common Stock multiplied by (y) the lowest Closing Sale Price of the Common Stock on any Trading Day during the period commencing on the date of the applicable Conversion Notice and ending on the date of such issuance and payment under this clause (II) (the “**Buy-In Payment Amount**”). Nothing shall limit the Holder’s right to pursue any other remedies available to it hereunder, at law or in equity, including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company’s failure to timely deliver certificates representing shares of Common Stock (or to electronically deliver such shares of Common Stock) upon the conversion of this Note as required pursuant to the terms hereof.

(iii) **Registration: Book-Entry.** The Company shall maintain a register (the “**Register**”) for the recordation of the names and addresses of the holders of each Note and the principal amount of the Notes held by such holders (the “**Registered Notes**”). The entries in the Register shall be conclusive and binding for all purposes absent manifest error. The Company and the holders of the Notes shall treat each Person whose name is recorded in the Register as the owner of a Note for all purposes (including, without limitation, the right to receive payments of Principal, Interest and Make-Whole Amount hereunder) notwithstanding notice to the contrary. A Registered Note may be assigned, transferred or sold in whole or in part only by registration of such assignment or sale on the Register. Upon its receipt of a written request to assign, transfer or sell all or part of any Registered Note by the holder thereof, the Company shall record the information contained therein in the Register and issue one or more new Registered Notes in the same aggregate principal amount as the principal amount of the surrendered Registered Note to the designated assignee or transferee pursuant to Section 20, provided that if the Company does not so record an assignment, transfer or sale (as the case may be) of all or part of any Registered Note within two (2) Business Days of such a request, then the Register shall be automatically deemed updated to reflect such assignment, transfer or sale (as the case may be). Notwithstanding anything to the contrary set forth in this Section 3, following conversion of any portion of this Note in accordance with the terms hereof, the Holder shall not be required to physically surrender this Note to the Company unless (A) the full Conversion Amount represented by this Note is being converted (in which event this Note shall be delivered to the Company following conversion thereof as contemplated by Section 3(c)(i)) or (B) the Holder has provided the Company with prior written notice (which notice may be included in a Conversion Notice) requesting reissuance of this Note upon physical surrender of this Note. The Holder and the Company shall maintain records showing the Principal, Interest, Make-Whole Amount and Late Charges converted and/or paid (as the case may be) and the dates of such conversions, and/or payments (as the case may be) or shall use such other method, reasonably satisfactory to the Holder and the Company, so as not to require physical surrender of this Note upon conversion. If the Company does not update the Register to record such Principal, Interest, Make-Whole Amount and Late Charges converted and/or paid (as the case may be) and the dates of such conversions, and/or payments (as the case may be) within two (2) Business Days of such occurrence, then the Register shall be automatically deemed updated to reflect such occurrence.

(iv) **Pro Rata Conversion: Disputes.** In the event that the Company receives a Conversion Notice from more than one holder of Notes for the same Conversion Date and the Company can convert some, but not all, of such portions of the Notes submitted for conversion, the Company, subject to Section 3(d), shall convert from each holder of Notes electing to have Notes converted on such date a pro rata amount of such holder’s portion of its Notes submitted for conversion based on the principal amount of Notes submitted for conversion on such date by such holder relative to the aggregate principal amount of all Notes submitted for conversion on such date. In the event of a dispute as to the number of shares of Common Stock issuable to the Holder in connection with a conversion of this Note, the Company shall issue to the Holder the number of shares of Common Stock not in dispute and resolve such dispute in accordance with Section 25.

(d) **Limitations on Conversions.**

(i) **Beneficial Ownership.** The Company shall not effect the conversion of any portion of this Note, and the Holder shall not have the right to convert any portion of this Note pursuant to the terms and conditions of this Note and any such conversion shall be null and void and treated as if never made, to the extent that after giving effect to such conversion, the Holder together with the other Attribution Parties collectively would beneficially own in excess of 4.99% (the “**Maximum Percentage**”) of the shares of Common Stock outstanding immediately after giving effect to such conversion. For purposes of the foregoing sentence, the aggregate number of shares of Common Stock beneficially owned by the Holder and the other Attribution Parties shall include the number of shares of Common Stock held by the Holder and all other Attribution Parties plus the number of shares of Common Stock issuable upon conversion of this Note with respect to which the determination of such sentence is being made, but shall exclude shares of Common Stock which would be issuable upon (A) conversion of the remaining, nonconverted portion of this Note beneficially owned by the Holder or any of the other Attribution Parties and (B) exercise or conversion of the unexercised or nonconverted portion of any other securities of the Company (including, without limitation, any convertible notes or convertible preferred stock or warrants) beneficially owned by the Holder or any other Attribution Party subject to a limitation on conversion or exercise analogous to the limitation contained in this Section 3(d)(i). For purposes of this Section 3(d)(i), beneficial ownership shall be calculated in accordance with Section 13(d) of the 1934 Act. For purposes of determining the number of outstanding shares of Common Stock the Holder may acquire upon the conversion of this Note without exceeding the Maximum Percentage, the Holder may rely on the number of outstanding shares of Common Stock as reflected in (x) the Company’s most recent Annual Report on Form 10-K, Quarterly Report on Form 10-Q, Current Report on Form 8-K or other public filing with the SEC, as the case may be, (y) a more recent public announcement by the Company or (z) any other written notice by the Company or the Transfer Agent, if any, setting forth the number of shares of Common Stock outstanding (the “**Reported Outstanding Share Number**”). If the Company receives a Conversion Notice from the Holder at a time when the actual number of outstanding shares of Common Stock is less than the Reported Outstanding Share Number, the Company shall notify the Holder in writing of the number of shares of Common Stock then outstanding and, to the extent that such Conversion Notice would otherwise cause the Holder’s beneficial ownership, as determined pursuant to this Section 3(d)(i), to exceed the Maximum Percentage, the Holder must notify the Company of a reduced number of shares of Common Stock to be purchased pursuant to such Conversion Notice. For any reason at any time, upon the written or oral request of the Holder, the Company shall within one (1) Business Day confirm orally and in writing or by electronic mail to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Note, by the Holder and any other Attribution Party since the date as of which the Reported Outstanding Share Number was reported. In the event that the issuance of shares of Common Stock to the Holder upon conversion of this Note results in the Holder and the other Attribution Parties being deemed to beneficially own, in the aggregate, more than the Maximum Percentage of the number of outstanding shares of Common Stock (as determined under Section 13(d) of the 1934 Act), the number of shares so issued by which the Holder’s and the other Attribution Parties’ aggregate beneficial ownership exceeds the Maximum Percentage (the “**Excess Shares**”) shall be deemed null and void and shall be cancelled ab initio, and the Holder shall not have the power to vote or to transfer the Excess Shares. Upon delivery of a written notice to the Company, the Holder may from time to time increase (with such increase not effective until the sixty-first (61st) day after delivery of such notice) or decrease the Maximum Percentage to any other percentage not in excess of 9.99% as specified in such notice; provided that (i) any such increase in the Maximum Percentage will not be effective until the sixty-first (61st) day after such notice is delivered to the Company and (ii) any such increase or decrease will apply only to the Holder and the other Attribution Parties and not to any other holder of Notes that is not an Attribution Party of the Holder. For purposes of clarity, the shares of Common Stock issuable pursuant to the terms of this Note in excess of the Maximum Percentage shall not be deemed to be beneficially owned by the Holder for any purpose including for purposes of Section 13(d) or Rule 16a-1(a)(1) of the 1934 Act. No prior inability to convert this Note pursuant to this paragraph shall have any effect on the applicability of the provisions of this paragraph with respect to any subsequent determination of convertibility. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 3(d)(i) to the extent necessary to correct this paragraph (or any portion of this paragraph) which may be defective or inconsistent with the intended beneficial ownership limitation contained in this Section 3(d)(i) or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitation contained in this paragraph may not be waived and shall apply to a successor holder of this Note.

(ii) **Principal Market Regulation.** The Company shall not issue any shares of Common Stock upon conversion of this Note or otherwise pursuant to the terms of this Note if the issuance of such shares of Common Stock would exceed the aggregate number of shares of Common Stock which the Company may issue upon conversion of the Notes or otherwise pursuant to the terms of this Note (as the case may be) without breaching the Company’s obligations under the rules or regulations of the Principal Market (the number of shares of Common Stock which may be issued without violating such rules and regulations, including rules related to the aggregation of offerings under the NYSE American LLC Company Guide, including, without limitation, Sections 712 and 713 thereof and Appendix C to the Additional Listing Application, the “**Exchange Cap**”), except that such limitation shall not apply in the event that the Company (A) obtains the Stockholder Approval as required by the applicable rules of the Principal Market for issuances of

shares of Common Stock in excess of the Exchange Cap or (B) obtains a written opinion from counsel to the Company that such Stockholder Approval is not required, which opinion shall be reasonably satisfactory to the Holder. Until such approval or such written opinion is obtained, no Holder shall be issued in the aggregate, upon conversion or exercise (as the case may be) of any Notes or otherwise pursuant to the terms of the Notes, shares of Common Stock in an amount greater than the product of (i) the Exchange Cap as of the Issuance Date multiplied by (ii) the quotient of (1) the original principal amount of Notes issued to such Holder pursuant to the Securities Purchase Agreement on all of the Closing Dates (as defined in the Securities Purchase Agreement) divided by (2) the aggregate original principal amount of all Notes issued to the Holders pursuant to the Securities Purchase Agreement on such Closing Dates (with respect to each Holder, the “**Exchange Cap Allocation**”). In the event that any Holder shall sell or otherwise transfer any of such Holder’s Notes, the transferee shall be allocated a pro rata portion of such Holder’s Exchange Cap Allocation with respect to such portion of such Notes so transferred, and the restrictions of the prior sentence shall apply to such transferee with respect to the portion of the Exchange Cap Allocation so allocated to such transferee. Upon conversion in full of a holder’s Notes, the difference (if any) between such holder’s Exchange Cap Allocation and the number of shares of Common Stock actually issued to such holder upon such holder’s conversion in full of such Notes shall be allocated, to the respective Exchange Cap Allocations of the remaining holders of Notes on a pro rata basis in proportion to the shares of Common Stock underlying the Notes then held by each such holder of Notes. At any time after the Stockholder Meeting Deadline (as defined in the Securities Purchase Agreement), in the event that the Company is prohibited from issuing shares of Common Stock pursuant to this Section 3(d)(i) (the “**Exchange Cap Shares**”), the Company shall pay cash in exchange for the cancellation of such portion of this Note convertible into such Exchange Cap Shares at a price equal to the sum of (i) the product of (x) such number of Exchange Cap Shares and (y) the greatest Closing Sale Price of the Common Stock on any Trading Day during the period commencing on the date the Holder delivers the applicable Conversion Notice with respect to such Exchange Cap Shares to the Company and ending on the date of such issuance and payment under this Section 3(d)(i) and (ii) to the extent of any Buy-In related thereto, any Buy-In Payment Amount, any brokerage commissions and other out-of-pocket expenses, if any, of the Holder incurred in connection therewith (collectively, the “**Exchange Cap Share Cancellation Amount**”). Notwithstanding anything contained herein to the contrary, the maximum aggregate number of shares of Common Stock issuable to the Holder pursuant to the terms of this Note and upon exercise of the Warrants shall not exceed the number of such shares that, when aggregated with all other shares of securities beneficially owned by the Holder, would result in the Holder of this Note, together with the holders of all other Notes issued by the Company on the date hereof, owning more than 19.99% of all shares of the Company’s Common Stock as would be outstanding immediately prior to the execution and delivery of the Purchase Agreement, which shall be equal to (x) the original principal amount of this Note divided by the aggregate principal amount of Notes issued by the Company on the date hereof, multiplied by (y) 19.99% of all shares of the Company’s Common Stock outstanding immediately prior to the execution and delivery of the Purchase Agreement, unless the Company has obtained all necessary approvals in accordance with the rules and requirements of the Principal Market, which the Company may or may not seek in its discretion. Failure to seek or obtain such approval(s) will not change any other term or condition of this Note.

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4. RIGHTS UPON EVENT OF DEFAULT.

(a) Event of Default. Each of the following events shall constitute an “**Event of Default**” and each of the events in clauses (ix), (x) and (xi) shall constitute a “**Bankruptcy Event of Default**”:

(i) the failure of the registration statement pursuant to Section 4(t) of the Securities Purchase Agreement to be filed with the SEC on or prior to the date that is five (5) days after the applicable filing deadline;

(ii) while the applicable Registration Statement is required to be maintained effective pursuant to the terms of the Securities Purchase Agreement, the effectiveness of the applicable Registration Statement lapses for any reason (including, without limitation, the issuance of a stop order) or such Registration Statement (or the prospectus contained therein) is unavailable to any holder of Registrable Securities (as defined in the Securities Purchase Agreement) for sale of all of such holder’s Registrable Securities in accordance with the terms of the Securities Purchase Agreement, and such lapse or unavailability continues for a period of ten (10) consecutive days or for more than an aggregate of twenty (20) days in any 365-day period (excluding days during an Allowable Grace Period (as defined in the Securities Purchase Agreement));

(iii) the suspension from trading or the failure of the Common Stock to be trading or listed (as applicable) on an Eligible Market for a period of ten (10) consecutive Trading Days;

(iv) the Company’s (A) failure to cure a Conversion Failure by delivery of the required number of shares of Common Stock within ten (10) Trading Days after the applicable Conversion Date or exercise date (as the case may be) or (B) notice, written or oral, to any holder of the Notes, including, without limitation, by way of public announcement or through any of its agents, at any time, of its intention not to comply, as required, with a request for conversion of any Notes into shares of Common Stock that is requested in accordance with the provisions of the Notes, other than pursuant to Section 3(d);

(v) except to the extent the Company is in compliance with Section 11(b) below, at any time following the tenth (10th) consecutive day that the Holder’s Authorized Share Allocation (as defined in Section 11(a) below) is less than the sum of the number of shares of Common Stock that the Holder would be entitled to receive upon a conversion of the full Conversion Amount of this Note (without regard to any limitations on conversion set forth in Section 3(d) or otherwise);

(vi) the Company’s or any Subsidiary’s failure to pay to the Holder any amount of Principal, Interest, Make-Whole Amount, Late Charges or other amounts when and as due under this Note (including, without limitation, the Company’s or any Subsidiary’s failure to pay any redemption payments or amounts hereunder) or any other Transaction Document (as defined in the Securities Purchase Agreement) or any other agreement, document, certificate or other instrument delivered in connection with the transactions contemplated hereby and thereby, except, in the case of a failure to pay Interest and Late Charges when and as due, in which case only if such failure remains uncured for a period of at least five (5) Trading Days;

(vii) the Company fails to remove any restrictive legend on any certificate or any shares of Common Stock issued to the Holder upon conversion or exercise (as the case may be) of any Securities (as defined in the Securities Purchase Agreement) acquired by the Holder under the Securities Purchase Agreement (including this Note) as and when required by such Securities or the Securities Purchase Agreement, unless otherwise then prohibited by applicable federal securities laws, and any such failure remains uncured for at least five (5) days;

(viii) the occurrence of any default under, redemption of or acceleration prior to maturity of at least an aggregate of \$250,000 of Indebtedness (as defined in the Securities Purchase Agreement) of the Company or any of its Subsidiaries, other than with respect to any Other Notes;

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(ix) bankruptcy, insolvency, reorganization or liquidation proceedings or other proceedings for the relief of debtors shall be instituted by or against the Company or any Subsidiary and, if instituted against the Company or any Subsidiary by a third party, shall not be dismissed within sixty (60) days of their initiation;

(x) the commencement by the Company or any Subsidiary of a voluntary case or proceeding under any applicable federal, state or foreign bankruptcy, insolvency, reorganization or other similar law or of any other case or proceeding to be adjudicated a bankrupt or insolvent, or the consent by it to the entry of a decree, order, judgment or other similar document in respect of the Company or any Subsidiary in an involuntary case or proceeding under any applicable federal, state or foreign bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable federal, state or foreign law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or any Subsidiary or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the execution of a composition of debts, or the occurrence of any other similar federal, state or foreign proceeding, or the admission by it in writing of its inability to pay its debts generally as they become due, the taking of corporate action by the Company or any Subsidiary in furtherance of any such action or the taking of any action by any Person to commence a Uniform Commercial Code foreclosure sale or any other similar action under federal, state or foreign law;

(xi) the entry by a court of (i) a decree, order, judgment or other similar document in respect of the Company or any Subsidiary of a voluntary or involuntary case or proceeding under any applicable federal, state or foreign bankruptcy, insolvency, reorganization or other similar law or (ii) a decree, order, judgment or other similar document adjudging the Company or any Subsidiary as bankrupt or insolvent, or approving as properly filed a petition seeking liquidation, reorganization, arrangement, adjustment or composition of or in respect of the Company or any Subsidiary under any applicable federal, state or foreign law or (iii) a decree, order, judgment or other similar document appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or any Subsidiary or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree, order, judgment or other similar document or any such other decree, order, judgment or other similar document unstayed and in effect for a period of sixty (60) consecutive days;

(xii) a final judgment or judgments for the payment of money aggregating in excess of \$500,000 are rendered against the Company and/or any of its Subsidiaries and which judgments are not, within thirty (30) days after the entry thereof, bonded, discharged, settled or stayed pending appeal, or are not discharged within thirty (30) days after the expiration of such stay; provided, however, any judgment which is covered by insurance or an indemnity from a credit worthy party shall not be included in calculating the \$500,000 amount set forth above so long as the Company provides the Holder a written statement from such insurer or indemnity provider (which written statement shall be reasonably satisfactory to the Holder) to the effect that such judgment is covered by insurance or an indemnity and the Company or such Subsidiary (as the case may be) will receive the proceeds of such insurance or indemnity within thirty (30) days of the issuance of such judgment;

(xiii) the Company and/or any Subsidiary, individually or in the aggregate, either (i) fails to pay, when due, or within any applicable grace period, any payment with respect to any Indebtedness in excess of \$500,000 due to any third party (other than, with respect to unsecured Indebtedness only, payments contested by the Company and/or such Subsidiary (as the case may be) in good faith by proper proceedings and with respect to which adequate reserves have been set aside for the payment thereof in accordance with GAAP) or is otherwise in breach or violation of any agreement for monies owed or owing in an amount in excess of \$500,000, which breach or violation permits the other party thereto to declare a default or otherwise accelerate amounts due thereunder, or (ii) suffer to exist any other circumstance or event that would, with or without the passage of time or the giving of notice, result in a default or event of default under any agreement binding the Company or any Subsidiary, which default or event of default would or is likely to have a material adverse effect on the business, assets, operations (including results thereof), liabilities, properties, condition (including financial condition) or prospects of the Company or any of its Subsidiaries, individually or in the aggregate;

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(xiv) other than as specifically set forth in another clause of this Section 4(a), the Company or any Subsidiary breaches any material representation or warranty, or any covenant or other term or condition of any Transaction Document, such that such breach results in a Material Adverse Effect (as defined in the Securities Purchase Agreement), except, in the case of a breach of a covenant or other term or condition that is curable, only if such breach remains uncured for a period of five (5) consecutive Trading Days;

(xv) a false or inaccurate certification (including a false or inaccurate deemed certification) by the Company as to whether any Event of Default has occurred;

(xvi) any breach or failure in any respect by the Company or any Subsidiary to comply with any provision of Section 15 of this Note;

(xvii) any Material Adverse Effect (as defined in the Securities Purchase Agreement) occurs;

(xviii) any material provision of any Transaction Document (including, without limitation, the Security Documents and the Pledge Agreements) shall at any time for any reason (other than pursuant to the express terms thereof) cease to be valid and binding on or enforceable against the parties thereto, or the validity or enforceability thereof shall be contested by any party thereto, or a proceeding shall be commenced by the Company or any Subsidiary or any governmental authority having jurisdiction over any of them, seeking to establish the invalidity or unenforceability thereof, or the Company or any Subsidiary shall deny in writing that it has any liability or obligation purported to be created under any Transaction Document (including, without limitation, the Security Documents and the Pledge Agreements);

(xix) any material damage to, or loss, theft or destruction of, any Collateral, whether or not insured, or any strike, lockout, labor dispute, embargo, condemnation, act of God or public enemy, or other casualty which causes, for more than fifteen (15) consecutive days, the cessation or substantial curtailment of revenue producing activities at any facility of the Company or any Subsidiary, if any such event or circumstance could have a Material Adverse Effect; or

(xx) a Key Man Event shall occur.

(b) Notice of an Event of Default; Redemption Right. Upon the occurrence of an Event of Default with respect to this Note or any Other Note, the Company shall within one (1) Business Day deliver written notice thereof via electronic mail and overnight courier (with next day delivery specified) (an “**Event of Default Notice**”) to the Holder. At any time after the earlier of the Holder’s receipt of an Event of Default Notice and the Holder becoming aware of an Event of Default, the Holder may require the Company to redeem (regardless of whether such Event of Default has been cured) all or any portion of this Note by delivering written notice thereof (the “**Event of Default Redemption Notice**”) to the Company, which Event of Default Redemption Notice shall indicate the portion of this Note the Holder is electing to redeem. Each portion of this Note subject to redemption by the Company pursuant to this Section 4(b) shall be redeemed by the Company at a price equal to (i) the product of (A) the Conversion Amount to be redeemed multiplied by (B) the Redemption Premium (the “**Event of Default Redemption Price**”). Redemptions required by this Section 4(b) shall be made in accordance with the provisions of Section 13. To the extent redemptions required by this Section 4(b) are deemed or determined by a court of competent jurisdiction to be prepayments of this Note by the Company, such redemptions shall be deemed to be voluntary prepayments. Notwithstanding anything to the contrary in this Section 4(b), but subject to Section 3(d), until the Event of Default Redemption Price (together with any Late Charges thereon) is paid in full, the Conversion Amount submitted for redemption under this Section 4(b) (together with any Late Charges thereon) may be converted, in whole or in part, by the Holder into Common Stock pursuant to the terms of this Note. In the event of the Company’s redemption of any portion of this Note under this Section 4(b), the Holder’s damages would be uncertain and difficult to estimate because of the parties’ inability to predict future interest rates and the uncertainty of the availability of a suitable substitute investment opportunity for the Holder. Accordingly, any redemption premium due under this Section 4(b) is intended by the parties to be, and shall be deemed, a reasonable estimate of the Holder’s actual loss of its investment opportunity and not as a penalty. Any redemption upon an Event of Default shall not constitute an election of remedies by the Holder, and all other rights and remedies of the Holder shall be preserved.

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(c) Mandatory Redemption upon Bankruptcy Event of Default. Notwithstanding anything to the contrary herein, and notwithstanding any conversion that is then required or in process, upon any Bankruptcy Event of Default, prior to the Maturity Date, the Company shall immediately pay to the Holder an amount in cash representing (i) all outstanding Principal, accrued and unpaid Interest, Make-Whole Amount and accrued and unpaid Late Charges on such Principal, Interest and Make-Whole Amount, multiplied by (ii) the Redemption Premium, in addition to any and all other amounts due hereunder, without the requirement for any notice or demand or other action by the Holder or any other person or entity, provided that the Holder may, in its sole discretion, waive such right to receive payment upon a Bankruptcy Event of Default, in whole or in part, and any such waiver shall not affect any other rights of the Holder hereunder, including any other rights in respect of such Bankruptcy Event of Default, any right to conversion, and any right to payment of the Event of Default Redemption Price or any other Redemption Price, as applicable.

(d) Waiver of an Event of Default. An Event of Default may be waived at any time by the Required Holders (as defined in the Securities Purchase Agreement).

5. RIGHTS UPON FUNDAMENTAL TRANSACTION.

(a) Assumption. Unless the Note is repaid in full upon the closing of a Fundamental Transaction, the Company shall not enter into or be party to a Fundamental Transaction unless (i) the Successor Entity assumes in writing all of the obligations of the Company under this Note and the other Transaction Documents in accordance with the provisions of this Section 5(a) pursuant to written agreements in form and substance satisfactory to the Holder and approved by the Holder prior to such Fundamental Transaction, including agreements to deliver to each holder of Notes in exchange for such Notes a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to

the Notes, including, without limitation, having a principal amount and interest rate equal to the principal amounts then outstanding and the interest rates of the Notes held by such holder, having similar conversion rights as the Notes and having similar ranking and security to the Notes, and satisfactory to the Holder and (ii) the Successor Entity (including its Parent Entity) is a publicly traded corporation whose common stock is quoted on or listed for trading on an Eligible Market. Upon the occurrence of any Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Note and the other Transaction Documents referring to the “Company” shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Note and the other Transaction Documents with the same effect as if such Successor Entity had been named as the Company herein. Upon consummation of a Fundamental Transaction, unless the Note is repaid in full upon the closing of the Fundamental Transaction, the Successor Entity shall deliver to the Holder confirmation that there shall be issued upon conversion or redemption of this Note at any time after the consummation of such Fundamental Transaction, in lieu of the shares of Common Stock (or other securities, cash, assets or other property (except such items still issuable under Sections 6 and 17, which shall continue to be receivable thereafter)) issuable upon the conversion or redemption of the Notes prior to such Fundamental Transaction, such shares of the publicly traded common stock (or their equivalent) of the Successor Entity (including its Parent Entity) which the Holder would have been entitled to receive upon the happening of such Fundamental Transaction had this Note been converted immediately prior to such Fundamental Transaction (without regard to any limitations on the conversion of this Note), as adjusted in accordance with the provisions of this Note. Notwithstanding the foregoing, the Holder may elect, at its sole option, by delivery of written notice to the Company to waive this Section 5(a) to permit the Fundamental Transaction without the assumption of this Note. The provisions of this Section 5 shall apply similarly and equally to successive Fundamental Transactions and shall be applied without regard to any limitations on the conversion of this Note.

(b) **Notice of a Change of Control: Redemption Right.** No sooner than twenty (20) Trading Days nor later than ten (10) Trading Days prior to the consummation of a Change of Control (the “**Change of Control Date**”), but not prior to the public announcement of such Change of Control, the Company shall deliver written notice thereof via facsimile or electronic mail and overnight courier to the Holder (a “**Change of Control Notice**”). At any time during the period beginning after the Holder’s receipt of a Change of Control Notice or the Holder becoming aware of a Change of Control if a Change of Control Notice is not delivered to the Holder in accordance with the immediately preceding sentence (as applicable) and ending on twenty (20) Trading Days after the later of (A) the date of consummation of such Change of Control or (B) the date of receipt of such Change of Control Notice or (C) the date of the announcement of such Change of Control, the Holder may require the Company to redeem all or any portion of this Note by delivering written notice thereof (“**Change of Control Redemption Notice**”) to the Company, which Change of Control Redemption Notice shall indicate the Conversion Amount the Holder is electing to redeem. The portion of this Note subject to redemption pursuant to this Section 5 shall be redeemed by the Company in cash at a price equal to the greatest of (i) the product of (w) the Change of Control Redemption Premium multiplied by (y) the Conversion Amount being redeemed, (ii) the product of (x) the Change of Control Redemption Premium multiplied by (y) the product of (A) the Conversion Amount being redeemed multiplied by (B) the quotient determined by dividing (I) the greatest Closing Sale Price of the shares of Common Stock during the period beginning on the date immediately preceding the earlier to occur of (1) the consummation of the applicable Change of Control and (2) the public announcement of such Change of Control and ending on the date the Holder delivers the Change of Control Redemption Notice by (II) the Conversion Price then in effect and (iii) the product of (y) the Change of Control Redemption Premium multiplied by (z) the product of (A) the Conversion Amount being redeemed multiplied by (B) the quotient of (I) the aggregate cash consideration and the aggregate cash value of any non-cash consideration per share of Common Stock to be paid to the holders of the shares of Common Stock upon consummation of such Change of Control (any such non-cash consideration constituting publicly-traded securities shall be valued at the highest of the Closing Sale Price of such securities as of the Trading Day immediately prior to the consummation of such Change of Control, the Closing Sale Price of such securities on the Trading Day immediately following the public announcement of such proposed Change of Control and the Closing Sale Price of such securities on the Trading Day immediately prior to the public announcement of such proposed Change of Control) divided by (II) the Conversion Price then in effect (the “**Change of Control Redemption Price**”). Redemptions required by this Section 5 shall be made in accordance with the provisions of Section 13 and shall have priority to payments to stockholders in connection with such Change of Control. To the extent redemptions required by this Section 5(b) are deemed or determined by a court of competent jurisdiction to be prepayments of this Note by the Company, such redemptions shall be deemed to be voluntary prepayments. Notwithstanding anything to the contrary in this Section 5, but subject to Section 3(d), until the Change of Control Redemption Price (together with any Late Charges thereon) is paid in full, the Conversion Amount submitted for redemption under this Section 5(b) (together with any Late Charges thereon) may be converted, in whole or in part, by the Holder into Common Stock pursuant to Section 3. In the event of the Company’s redemption of any portion of this Note under this Section 5(b), the Holder’s damages would be uncertain and difficult to estimate because of the parties’ inability to predict future interest rates and the uncertainty of the availability of a suitable substitute investment opportunity for the Holder. Accordingly, any redemption premium due under this Section 5(b) is intended by the parties to be, and shall be deemed, a reasonable estimate of the Holder’s actual loss of its investment opportunity and not as a penalty.

6. RIGHTS UPON ISSUANCE OF PURCHASE RIGHTS AND OTHER CORPORATE EVENTS.

(a) **Purchase Rights.** In addition to any adjustments pursuant to Section 7 below, if at any time the Company grants, issues or sells any Options, Convertible Securities or rights to purchase stock, warrants, securities or other property pro rata to all of the record holders of any class of Common Stock (the “**Purchase Rights**”), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete conversion of this Note (without taking into account any limitations or restrictions on the convertibility of this Note) immediately prior to the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, that to the extent that the Holder’s right to participate in any such Purchase Right would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Purchase Right to the extent of the Maximum Percentage (and shall not be entitled to beneficial ownership of such shares of Common Stock as a result of such Purchase Right (and beneficial ownership) to the extent of any such excess) and such Purchase Right to such extent shall be held in abeyance (and, if such Purchase Right has an expiration date, maturity date or other similar provision, such term shall be extended by such number of days held in abeyance, if applicable) for the benefit of the Holder until such time or times, if ever, as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such right (and any Purchase Right granted, issued or sold on such initial Purchase Right or on any subsequent Purchase Right held similarly in abeyance (and, if such Purchase Right has an expiration date, maturity date or other similar provision, such term shall be extended by such number of days held in abeyance, if applicable)) to the same extent as if there had been no such limitation).

(b) **Other Corporate Events.** In addition to and not in substitution for any other rights hereunder, prior to the consummation of any Fundamental Transaction pursuant to which holders of shares of Common Stock are entitled to receive securities or other assets with respect to or in exchange for shares of Common Stock (a “**Corporate Event**”), the Company shall make appropriate provision to ensure that the Holder will thereafter have the right to receive upon a conversion of this Note, at the Holder’s option (i) in addition to the shares of Common Stock receivable upon such conversion, such securities or other assets to which the Holder would have been entitled with respect to such shares of Common Stock had such shares of Common Stock been held by the Holder upon the consummation of such Corporate Event (without taking into account any limitations or restrictions on the convertibility of this Note) or (ii) in lieu of the shares of Common Stock otherwise receivable upon such conversion, such securities or other assets received by the holders of shares of Common Stock in connection with the consummation of such Corporate Event in such amounts as the Holder would have been entitled to receive had this Note initially been issued with conversion rights for the form of such consideration (as opposed to shares of Common Stock) at a conversion rate for such consideration commensurate with the Conversion Rate. Provision made pursuant to the preceding sentence shall be in a form and substance satisfactory to the Holder. The provisions of this Section 6 shall apply similarly and equally to successive Corporate Events and shall be applied without regard to any limitations on the conversion or redemption of this Note.

7. RIGHTS UPON ISSUANCE OF OTHER SECURITIES.

(a) **Adjustment of Conversion Price upon Subdivision or Combination of Common Stock.** Without limiting any provision of Section 6 or Section 17, if the Company at any time on or after the Subscription Date subdivides (by any stock split, stock dividend, stock combination, recapitalization or other similar transaction) one or more classes of its outstanding shares of Common Stock into a greater number of shares, the Conversion Price in effect immediately prior to such subdivision will be proportionately reduced. Without limiting any provision of Section 6 or Section 17, if the Company at any time on or after the Subscription Date combines (by any stock split, stock dividend, stock combination, recapitalization or other similar transaction) one or more classes of its outstanding shares of Common Stock into a smaller number of shares, the Conversion Price in effect immediately prior to such combination will be proportionately increased. Any adjustment pursuant to this Section 7(a) shall become effective immediately after the effective date of such subdivision or combination. If any event requiring an adjustment under this Section 7(a) occurs during the period that a Conversion Price is calculated hereunder, then the calculation of such Conversion Price shall be

adjusted appropriately to reflect such event.

(b) Calculations. All calculations under this Section 7 shall be made by rounding to the nearest cent or the nearest 1/100th of a share, as applicable. The number of shares of Common Stock outstanding at any given time shall not include shares owned or held by or for the account of the Company, and the disposition of any such shares shall be considered an issue or sale of Common Stock.

8. REDEMPTIONS AT THE COMPANY'S ELECTION.

(a) Company Optional Redemption. At any time, the Company shall have the right to redeem all, or any part, of the Conversion Amount then remaining under this Note (each, a “**Company Optional Redemption Amount**”) on the Company Optional Redemption Date (each as defined below) (each, a “**Company Optional Redemption**”). The portion of this Note subject to redemption pursuant to this Section 10(a) shall be redeemed by the Company in cash at a price (each, a “**Company Optional Redemption Price**”) equal to 110% of the Conversion Amount being redeemed as of the Company Optional Redemption Date. The Company may exercise its right to require redemption under this Section 8(a) by delivering a written notice thereof by electronic mail and overnight courier to all, but not less than all, of the holders of Notes (each, a “**Company Optional Redemption Notice**” and such date all of the holders of Notes received such notice is referred to as a “**Company Optional Redemption Notice Date**”). The Company may deliver only one Company Optional Redemption Notice hereunder in any twenty (20) Trading Day period and each such Company Optional Redemption Notice shall be irrevocable. The Company Optional Redemption Notice shall (x) state the date on which the Company Optional Redemption shall occur (each, a “**Company Optional Redemption Date**”) which date shall not be less than ten (10) Trading Days nor more than twenty (20) Trading Days following the Company Optional Redemption Notice Date, and (y) state the aggregate Conversion Amount of the Notes which is being redeemed in such Company Optional Redemption from the Holder and all of the other holders of the Notes pursuant to this Section 8(a) (and analogous provisions under the Other Notes) on the Company Optional Redemption Date. Notwithstanding anything herein to the contrary, at any time prior to the date the Company Optional Redemption Price is paid, in full, the Company Optional Redemption Amount may be converted, in whole or in part, by the Holder into shares of Common Stock pursuant to Section 3. All Conversion Amounts converted by the Holder after the Company Optional Redemption Notice Date shall reduce the Company Optional Redemption Amount of this Note required to be redeemed on the Company Optional Redemption Date. Redemptions made pursuant to this Section 8(a) shall be made in accordance with Section 13. In the event of the Company's redemption of any portion of this Note under this Section 8(a), the Holder's damages would be uncertain and difficult to estimate because of the parties' inability to predict future interest rates and the uncertainty of the availability of a suitable substitute investment opportunity for the Holder. Accordingly, any redemption premium due under this Section 8(a) is intended by the parties to be, and shall be deemed, a reasonable estimate of the Holder's actual loss of its investment opportunity and not as a penalty. For the avoidance of doubt, the Company shall have no right to effect a Company Optional Redemption if any Event of Default has occurred and continuing, but any Event of Default shall have no effect upon the Holder's right to convert this Note in its discretion.

(b) Pro Rata Redemption Requirement. If the Company elects to cause a Company Optional Redemption of this Note pursuant to Section 8(a), then it must simultaneously take the same action with respect to all of the Other Notes.

9. NONCIRCUMVENTION. The Company hereby covenants and agrees that the Company will not, by amendment of its Certificate of Incorporation (as defined in the Securities Purchase Agreement), Bylaws (as defined in the Securities Purchase Agreement) or through any reorganization (other than a reverse stock split), transfer of assets, consolidation, merger, scheme of arrangement, dissolution, issue or sale of securities, or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Note, and will at all times in good faith carry out all of the provisions of this Note and take all action as may be required to protect the rights of the Holder of this Note. The parties acknowledge that this Section 9 does not prohibit the Company from effecting a reverse stock split. Without limiting the generality of the foregoing or any other provision of this Note or the other Transaction Documents, the Company (a) shall not increase the par value of any shares of Common Stock receivable upon conversion of this Note above the Conversion Price then in effect, and (b) shall take all such actions as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable shares of Common Stock upon the conversion of this Note. Notwithstanding anything herein to the contrary, if after the sixty (60) calendar day anniversary of the Issuance Date, the Holder is not permitted to convert this Note in full for any reason (other than pursuant to restrictions set forth in Section 3(d) hereof), the Company shall use its best efforts to promptly remedy such failure, including, without limitation, obtaining such consents or approvals as necessary to permit such conversion into shares of Common Stock.

10. SUBSEQUENT PLACEMENT OPTIONAL REDEMPTION.

(a) General. At any time from and after the earlier of (x) the date the Holder becomes aware of the occurrence of a Subsequent Placement (as defined in the Securities Purchase Agreement) and (y) the time of consummation of a Subsequent Placement (in each case, other than with respect to Excluded Securities) (an “**Eligible Subsequent Placement**”), the Holder shall have the right, in its sole discretion, to require that the Company redeem (each a “**Subsequent Placement Optional Redemption**”) all, or any portion, of the Conversion Amount under this Note (each, a “**Projected Eligible Subsequent Placement Optional Redemption Amount**”) that, if redeemed in a Subsequent Placement Optional Redemption, would result in a Subsequent Placement Optional Redemption Price (as defined below) not in excess of the Holder's Pro Rata Amount of 25% of the gross proceeds (less any reasonable placement agent, underwriter and/or legal fees and expenses) of such Eligible Subsequent Placement (each, an “**Eligible Subsequent Placement Optional Redemption Proceeds**”) by delivering written notice thereof (each, a “**Subsequent Placement Optional Redemption Notice**”, and the date thereof, each a “**Subsequent Placement Optional Redemption Notice Date**”) to the Company. For the avoidance of doubt, the issuance of Common Stock and/or Options pursuant to the Equity Line to be entered into with the Holder shall constitute an Eligible Subsequent Placement.

(b) Mechanics. The Subsequent Placement Optional Redemption Notice shall indicate that all, or such applicable portion, as set forth in the applicable Subsequent Placement Optional Redemption Notice, of the Eligible Subsequent Placement Optional Redemption Proceeds the Holder is entitled to receive in any corresponding Subsequent Placement Optional Redemption, such Projected Eligible Subsequent Placement Optional Redemption Amount and the date of such Subsequent Placement Optional Redemption (each, a “**Subsequent Placement Optional Redemption Date**”), which shall be the later of (x) the fifth (5th) Trading Day after the date of the applicable Subsequent Placement Optional Redemption Notice and (y) the date of the consummation of such Eligible Subsequent Placement. The portion of this Note subject to Subsequent Placement Optional Redemption pursuant to this Section 10 shall be redeemed by the Company in cash at a price equal to the Conversion Amount being redeemed as of the Subsequent Placement Optional Redemption Date (each, a “**Subsequent Placement Optional Redemption Price**”). Redemptions required by this Section 10 shall be made in accordance with the provisions of Section 13. Notwithstanding anything to the contrary in this Section 10, but subject to Section 3(d) until the Holder receives the Subsequent Placement Optional Redemption Price, the Conversion Amount otherwise subject to such Subsequent Placement Optional Redemption may be converted, in whole or in part, by the Holder into Common Stock pursuant to Section 3, and any such conversion shall reduce the Conversion Amount otherwise subject to such Subsequent Placement Optional Redemption in the manner set forth by the Holder in the applicable Conversion Notice.

11. RESERVATION OF AUTHORIZED SHARES.

(a) Reservation. So long as any Notes remain outstanding, the Company shall at all times reserve at least 100% of the number of shares of Common Stock as shall from time to time be necessary to effect the conversion, of all of the Notes then outstanding (without regard to any limitations on conversions and assuming such Notes remain outstanding until the Maturity Date) at the Conversion Price then in effect (the “**Required Reserve Amount**”). The Required Reserve Amount (including, without limitation, each increase in the number of shares so reserved) shall be allocated pro rata among the holders of the Notes based on the original principal amount of the Notes held by each holder on each Closing Date or increase in the number of reserved shares, as the case may be (the “**Authorized Share Allocation**”). In the event that a Holder shall sell or otherwise transfer any of such Holder's Notes, each transferee shall be allocated a pro rata portion of such Holder's Authorized Share Allocation. Any shares of Common Stock reserved and allocated to any Person which ceases to hold any Notes shall be allocated to the remaining holders of Notes, pro rata based on the principal amount of the Notes then held by such Holders.

(b) Insufficient Authorized Shares. If, notwithstanding Section 11(a), and not in limitation thereof, at any time while any of the Notes remain outstanding the Company

does not have a sufficient number of authorized and unreserved shares of Common Stock to satisfy its obligation to reserve for issuance upon conversion of the Notes at least a number of shares of Common Stock equal to the Required Reserve Amount (an “**Authorized Share Failure**”), then the Company shall promptly take all action necessary to increase the Company’s authorized shares of Common Stock to an amount sufficient to allow the Company to reserve the Required Reserve Amount for the Notes then outstanding. Without limiting the generality of the foregoing sentence, as soon as practicable after the date of the occurrence of an Authorized Share Failure, but in no event later than seventy five (75) days after the occurrence of such Authorized Share Failure, the Company shall hold a meeting of its stockholders for the approval of an increase in the number of authorized shares of Common Stock. In connection with such meeting, the Company shall provide each stockholder with a proxy statement and shall use its best efforts to solicit its stockholders’ approval of such increase in authorized shares of Common Stock and to cause its board of directors to recommend to the stockholders that they approve such proposal. In the event that the Company is prohibited from issuing shares of Common Stock pursuant to the terms of this Note due to the failure by the Company to have sufficient shares of Common Stock available out of the authorized but unissued shares of Common Stock (such unavailable number of shares of Common Stock, the “**Authorized Failure Shares**”), in lieu of delivering such Authorized Failure Shares to the Holder, the Company shall pay cash in exchange for the redemption of such portion of the Conversion Amount convertible into such Authorized Failure Shares at a price equal to the sum of (i) the product of (x) such number of Authorized Failure Shares and (y) the greatest Closing Sale Price of the Common Stock on any Trading Day during the period commencing on the date the Holder delivers the applicable Conversion Notice with respect to such Authorized Failure Shares to the Company and ending on the date of such issuance and payment under this Section 11(a); and (ii) to the extent the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of Authorized Failure Shares, any brokerage commissions and other out-of-pocket expenses, if any, of the Holder incurred in connection therewith. Nothing contained in Section 11(a) or this Section 11(b) shall limit any obligations of the Company under any provision of the Securities Purchase Agreement.

12. **AMORTIZATION.** Commencing on January 2, 2025, and on the first Business Day of each Fiscal Quarter thereafter and on the Maturity Date (other than the first Business Day of the Fiscal Quarter beginning October 1, 2026) (each, an “**Amortization Date**”), the Company will redeem in cash (each, an “**Amortization**”) such portion of the Principal of this Note equal to the Holder’s Holder Pro Rata Amount of \$1,416,990.75 per Fiscal Quarter (pro rated for the number of days during such Fiscal Quarter during which this Note is outstanding) (together with any Interest, Make-Whole Amount and any Late Charges on any such Principal, Interest and/or Make-Whole Amount, as applicable) (each, an “**Amortization Amount**”) at a redemption price equal to 100% of such Amortization Amount (the “**Amortization Redemption Price**”). Each Amortization of this Note required by this Section 12 shall be made in accordance with the provisions of Section 13. The Holder may waive any Amortization of this Note by delivery of a written notice to the Company duly executed and delivered by such Holder.

13. **REDEMPTIONS.**

(a) **Mechanics.** The Company shall deliver the applicable Event of Default Redemption Price to the Holder in cash within five (5) Business Days after the Company’s receipt of the Holder’s Event of Default Redemption Notice. If the Holder has submitted a Change of Control Redemption Notice in accordance with Section 5(b), the Company shall deliver the applicable Change of Control Redemption Price to the Holder in cash concurrently with the consummation of such Change of Control if such notice is received prior to the consummation of such Change of Control and within five (5) Business Days after the Company’s receipt of such notice otherwise. The Company shall deliver the applicable Company Optional Redemption Price to the Holder in cash on the applicable Company Optional Redemption Date. The Company shall deliver the applicable Subsequent Placement Optional Redemption Price to the Holder in cash on the applicable Subsequent Placement Optional Redemption Date. Notwithstanding anything herein to the contrary, in connection with any redemption hereunder at a time the Holder is entitled to receive a cash payment under any of the other Transaction Documents, at the option of the Holder delivered in writing to the Company, the applicable Redemption Price hereunder shall be increased by the amount of such cash payment owed to the Holder under such other Transaction Document and, upon payment in full or conversion in accordance herewith, shall satisfy the Company’s payment obligation under such other Transaction Document. In the event of a redemption of less than all of the Conversion Amount of this Note, the Company shall promptly cause to be issued and delivered to the Holder a new Note (in accordance with Section 20(d)) representing the outstanding Principal which has not been redeemed. In the event that the Company does not pay the applicable Redemption Price to the Holder within the time period required, at any time thereafter and until the Company pays such unpaid Redemption Price in full, the Holder shall have the option, in lieu of redemption, to require the Company to promptly return to the Holder all or any portion of this Note representing the Conversion Amount that was submitted for redemption and for which the applicable Redemption Price (together with any Late Charges thereon) has not been paid. Upon the Company’s receipt of such notice, (x) the applicable Redemption Notice shall be null and void with respect to such Conversion Amount, (y) the Company shall immediately return this Note, or issue a new Note (in accordance with Section 20(d)), to the Holder, and in each case the principal amount of this Note or such new Note (as the case may be) shall be increased by an amount equal to the difference between (1) the applicable Redemption Price (as the case may be, and as adjusted pursuant to this Section 13, if applicable) minus (2) the Principal portion of the Conversion Amount submitted for redemption. The Holder’s delivery of a notice voiding a Redemption Notice and exercise of its rights following such notice shall not affect the Company’s obligations to make any payments of Late Charges which have accrued prior to the date of such notice with respect to the Conversion Amount subject to such notice.

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(b) **Redemption by Other Holders.** Upon the Company’s receipt of notice from any of the holders of the Other Notes for redemption or repayment as a result of an event or occurrence substantially similar to the events or occurrences described in Section 4(b) or Section 5(b) (each, an “**Other Redemption Notice**”), the Company shall immediately, but no later than one (1) Business Day of its receipt thereof, forward to the Holder by facsimile or electronic mail a copy of such notice. If the Company receives a Redemption Notice and one or more Other Redemption Notices, during the seven (7) Business Day period beginning on and including the date which is two (2) Business Days prior to the Company’s receipt of the Holder’s applicable Redemption Notice and ending on and including the date which is two (2) Business Days after the Company’s receipt of the Holder’s applicable Redemption Notice and the Company is unable to redeem all principal, interest and other amounts designated in such Redemption Notice and such Other Redemption Notices received during such seven (7) Business Day period, then the Company shall redeem a pro rata amount from each holder of the Notes (including the Holder) based on the principal amount of the Notes submitted for redemption pursuant to such Redemption Notice and such Other Redemption Notices received by the Company during such seven (7) Business Day period.

14. **VOTING RIGHTS.** The Holder shall have no voting rights as the holder of this Note, except as required by law (including, without limitation, the Delaware General Corporation Law) and as expressly provided in this Note.

15. **COVENANTS.** Until all of the Notes have been converted, redeemed or otherwise satisfied in accordance with their terms:

(a) **Rank.** All payments due under this Note (a) shall rank *pari passu* with all Other Notes and (b) shall be senior to all other Indebtedness of the Company and its Subsidiaries.

(b) **Incurrence of Indebtedness.** The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, incur or guarantee, assume or suffer to exist any Indebtedness (other than (i) the Indebtedness evidenced by this Note and the Other Notes and (ii) other Permitted Indebtedness).

(c) **Existence of Liens.** The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, allow or suffer to exist any mortgage, lien, pledge, charge, security interest or other encumbrance upon or in any property or assets (including accounts and contract rights) owned by the Company or any of its Subsidiaries (collectively, “**Liens**”) other than Permitted Liens.

(d) **Restricted Payments and Investments.** The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, redeem, defease, repurchase, repay or make any payments in respect of, by the payment of cash or cash equivalents (in whole or in part, whether by way of open market purchases, tender offers, private transactions or otherwise), all or any portion of any Indebtedness (other than the Notes) whether by way of payment in respect of principal of (or premium, if any) or interest on, such Indebtedness or make any Investment, as applicable, if at the time such payment with respect to such Indebtedness and/or Investment, as applicable, is due or is otherwise made or, after giving effect to such payment, (i) an event constituting an Event of Default has occurred and is continuing or (ii) an event that with the passage of time and without being cured would constitute an Event of Default has occurred and is continuing.

(e) **Restriction on Redemption and Cash Dividends.** The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, redeem, repurchase or declare or pay any cash dividend or distribution on any of its capital stock.

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(f) Restriction on Transfer of Assets. The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, sell, lease, license, assign, transfer, close, convey or otherwise dispose of any assets or rights of the Company or any Subsidiary owned or hereafter acquired whether in a single transaction or a series of related transactions, other than (i) sales, leases, licenses, assignments, transfers, conveyances and other dispositions of such assets or rights by the Company and its Subsidiaries in the ordinary course of business consistent with its past practice, (ii) sales of inventory and product in the ordinary course of business and (iii) distributions of shares of stock of a Subsidiary.

(g) Maturity of Indebtedness. The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, permit any Indebtedness of the Company or any of its Subsidiaries to mature or accelerate prior to the Maturity Date.

(h) Change in Nature of Business. The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, engage in any material line of business substantially different from those lines of business conducted by or publicly contemplated to be conducted by the Company and each of its Subsidiaries on the Subscription Date or any business substantially related or incidental thereto. The Company shall not, and the Company shall cause each of its Subsidiaries to not, directly or indirectly, modify its or their corporate structure or purpose.

(i) Preservation of Existence, Etc. The Company shall maintain and preserve, and cause each of its Subsidiaries to maintain and preserve, its existence, rights and privileges, and become or remain, and cause each of its Subsidiaries to become or remain, duly qualified and in good standing in each jurisdiction in which the character of the properties owned or leased by it or in which the transaction of its business makes such qualification necessary.

(j) Maintenance of Properties, Etc. The Company shall maintain and preserve, and cause each of its Subsidiaries to maintain and preserve, all of its properties which are necessary or useful in the proper conduct of its business in good working order and condition, ordinary wear and tear excepted, and comply, and cause each of its Subsidiaries to comply, at all times with the provisions of all leases to which it is a party as lessee or under which it occupies property, so as to prevent any loss or forfeiture thereof or thereunder.

(k) Maintenance of Intellectual Property. The Company will, and will cause each of its Subsidiaries to, take all action necessary or advisable to maintain all of the Intellectual Property Rights (as defined in the Securities Purchase Agreement) of the Company and/or any of its Subsidiaries that are necessary or material to the conduct of its business in full force and effect.

(l) Maintenance of Insurance. The Company shall maintain, and cause each of its Subsidiaries to maintain, insurance with responsible and reputable insurance companies or associations (including, without limitation, comprehensive general liability, hazard, rent and business interruption insurance) with respect to its properties (including all real properties leased or owned by it) and business, in such amounts and covering such risks as is required by any governmental authority having jurisdiction with respect thereto or as is carried generally in accordance with sound business practice by companies in similar businesses similarly situated.

(m) Transactions with Affiliates. The Company shall not, nor shall it permit any of its Subsidiaries to, enter into, renew, extend any transaction or series of related transactions (including, without limitation, the purchase, sale, lease, transfer or exchange of property or assets of any kind or the rendering of services of any kind) with any affiliate, except transactions previously disclosed in the Company's filings with the SEC or transactions in the ordinary course of business in a manner and to an extent consistent with past practice and necessary or desirable for the prudent operation of its business, for fair consideration and on terms no less favorable to it or its Subsidiaries than would be obtainable in a comparable arm's length transaction with a Person that is not an affiliate thereof.

(n) Restricted Issuances. The Company shall not, directly or indirectly, without the prior written consent of the holders of a majority in aggregate principal amount of the Notes then outstanding, (i) issue any Notes (other than as contemplated by the Securities Purchase Agreement and the Notes), (ii) issue any securities at a price below the Conversion Price, or (iii) issue any other securities that would cause a breach or default under the Notes.

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(o) Change in Collateral; Collateral Records. The Company shall (i) give the Collateral Agent not less than thirty (30) days' prior written notice of any change in the location of any Collateral (as defined in the Security Documents), other than to locations set forth in the Perfection Certificate (as defined in the Securities Purchase Agreement) hereto and with respect to which the Collateral Agent has filed financing statements and otherwise fully perfected its Liens thereon, (ii) advise the Collateral Agent promptly, in sufficient detail, of any material adverse change relating to the type, quantity or quality of the Collateral or the Lien granted thereon and (iii) execute and deliver, and cause each of its Subsidiaries to execute and deliver, to the Collateral Agent for the benefit of the Holder and holders of the Other Notes from time to time, solely for the Collateral Agent's convenience in maintaining a record of Collateral, such written statements and schedules as the Collateral Agent or any Holder may reasonably require, designating, identifying or describing the Collateral.

(p) Stay, Extension and Usury Laws. To the extent that it may lawfully do so, the Company (A) agrees that it will not at any time insist upon, plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay, extension or usury law (wherever or whenever enacted or in force) that may affect the covenants or the performance of this Note; and (B) expressly waives all benefits or advantages of any such law and agrees that it will not, by resort to any such law, hinder, delay or impede the execution of any power granted to the Holder by this Note, but will suffer and permit the execution of every such power as though no such law has been enacted.

(q) Taxes. The Company and its Subsidiaries shall pay when due all taxes, fees or other charges of any nature whatsoever (together with any related interest or penalties) now or hereafter imposed or assessed against the Company and its Subsidiaries or their respective assets or upon their ownership, possession, use, operation or disposition thereof or upon their rents, receipts or earnings arising therefrom (except where the failure to pay would not, individually or in the aggregate, have a material effect on the Company or any of its Subsidiaries). The Company and its Subsidiaries shall file on or before the due date thereof all personal property tax returns (except where the failure to file would not, individually or in the aggregate, have a material effect on the Company or any of its Subsidiaries). Notwithstanding the foregoing, the Company and its Subsidiaries may contest, in good faith and by appropriate proceedings, taxes for which they maintain adequate reserves therefor in accordance with GAAP.

(r) Independent Investigation. At the request of the Holder either (x) at any time when an Event of Default has occurred and is continuing, (y) upon the occurrence of an event that with the passage of time or giving of notice would constitute an Event of Default or (z) at any time the Holder reasonably believes an Event of Default may have occurred or be continuing, the Company shall hire an independent, reputable investment bank selected by the Company and approved by the Holder to investigate as to whether any breach of this Note has occurred (the "Independent Investigator"). If the Independent Investigator determines that such breach of this Note has occurred, the Independent Investigator shall notify the Company of such breach and the Company shall deliver written notice to each holder of a Note of such breach. In connection with such investigation, the Independent Investigator may, during normal business hours, inspect all contracts, books, records, personnel, offices and other facilities and properties of the Company and its Subsidiaries and, to the extent available to the Company after the Company uses reasonable efforts to obtain them, the records of its legal advisors and accountants (including the accountants' work papers) and any books of account, records, reports and other papers not contractually required of the Company to be confidential or secret, or subject to attorney-client or other evidentiary privilege, and the Independent Investigator may make such copies and inspections thereof as the Independent Investigator may reasonably request. The Company shall furnish the Independent Investigator with such financial and operating data and other information with respect to the business and properties of the Company as the Independent Investigator may reasonably request. The Company shall permit the Independent Investigator to discuss the affairs, finances and accounts of the Company with, and to make proposals and furnish advice with respect thereto to, the Company's officers, directors, key employees and independent public accountants or any of them (and by this provision the Company authorizes said accountants to discuss with such Independent Investigator the finances and affairs of the Company and any Subsidiaries), all at such reasonable times, upon reasonable notice, and as often as may be reasonably requested.

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(s) The Company shall not be permitted to effect any puts or issuances of Company securities pursuant to the Equity Line (as defined in the Securities Purchase Agreement) for three (3) Trading Days immediately following any Conversion Date or immediately following any redemption by the Holder of all (or any portion of) the Notes.

(t) The Company shall, while any Notes remain outstanding, maintain a net monthly cash burn of not more than \$1,800,000, measured monthly as of the last day of each month, and calculated on an average trailing-three-months basis, decreasing by increments of \$500,000 every three-month basis. Net monthly burn shall be calculated by subtracting outflows of cash from inflows of cash.

16. [Reserved].

17. **DISTRIBUTION OF ASSETS.** In addition to any adjustments pursuant to Section 7, if the Company shall declare or make any dividend or other distributions of its assets (or rights to acquire its assets) to any or all holders of shares of Common Stock, by way of return of capital or otherwise (including without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (the “**Distributions**”), then the Holder will be entitled to such Distributions as if the Holder had held the number of shares of Common Stock acquirable upon complete conversion of this Note (without taking into account any limitations or restrictions on the convertibility of this Note and assuming for such purpose that the Note was converted at the Conversion Price as of the applicable record date) immediately prior to the date on which a record is taken for such Distribution or, if no such record is taken, the date as of which the record holders of Common Stock are to be determined for such Distributions (provided, however, that to the extent that the Holder’s right to participate in any such Distribution would result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, then the Holder shall not be entitled to participate in such Distribution to the extent of the Maximum Percentage (and shall not be entitled to beneficial ownership of such shares of Common Stock as a result of such Distribution (and beneficial ownership) to the extent of any such excess) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time or times, if ever, as its right thereto would not result in the Holder and the other Attribution Parties exceeding the Maximum Percentage, at which time or times the Holder shall be granted such Distribution (and any Distributions declared or made on such initial Distribution or on any subsequent Distribution held similarly in abeyance) to the same extent as if there had been no such limitation).

18. **AMENDING THE TERMS OF THIS NOTE.** Except for Section 3(d), which may not be amended, modified or waived by the parties hereto, the prior written consent of the Required Holders (as defined in the Securities Purchase Agreement) shall be required for any change, waiver or amendment to this Note.

19. **TRANSFER.** This Note and any shares of Common Stock issued upon conversion of this Note may be offered, sold, assigned or transferred by the Holder without the consent of the Company, subject only to the provisions of Section 2(g) of the Securities Purchase Agreement.

20. **REISSUANCE OF THIS NOTE.**

(a) **Transfer.** If this Note is to be transferred, the Holder shall surrender this Note to the Company, whereupon the Company will forthwith issue and deliver upon the order of the Holder a new Note (in accordance with Section 20(d)), registered as the Holder may request, representing the outstanding Principal being transferred by the Holder and, if less than the entire outstanding Principal is being transferred, a new Note (in accordance with Section 20(d)) to the Holder representing the outstanding Principal not being transferred. The Holder and any assignee, by acceptance of this Note, acknowledge and agree that, by reason of the provisions of Section 3(c)(iii) following conversion or redemption of any portion of this Note, the outstanding Principal represented by this Note may be less than the Principal stated on the face of this Note.

(b) **Lost, Stolen or Mutilated Note.** Upon receipt by the Company of evidence reasonably satisfactory to the Company of the loss, theft, destruction or mutilation of this Note (as to which a written certification and the indemnification contemplated below shall suffice as such evidence), and, in the case of loss, theft or destruction, of any indemnification undertaking by the Holder to the Company in customary and reasonable form and, in the case of mutilation, upon surrender and cancellation of this Note, the Company shall execute and deliver to the Holder a new Note (in accordance with Section 20(d)) representing the outstanding Principal.

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(c) **Note Exchangeable for Different Denominations.** This Note is exchangeable, upon the surrender hereof by the Holder at the principal office of the Company, for a new Note or Notes (in accordance with Section 20(d) and in principal amounts of at least \$1,000) representing in the aggregate the outstanding Principal of this Note, and each such new Note will represent such portion of such outstanding Principal as is designated by the Holder at the time of such surrender.

(d) **Issuance of New Notes.** Whenever the Company is required to issue a new Note pursuant to the terms of this Note, such new Note (i) shall be of like tenor with this Note, (ii) shall represent, as indicated on the face of such new Note, the Principal remaining outstanding (or in the case of a new Note being issued pursuant to Section 20(a) or Section 20(c), the Principal designated by the Holder which, when added to the principal represented by the other new Notes issued in connection with such issuance, does not exceed the Principal remaining outstanding under this Note immediately prior to such issuance of new Notes), (iii) shall have an issuance date, as indicated on the face of such new Note, which is the same as the Issuance Date of this Note, (iv) shall have the same rights and conditions as this Note, and (v) shall represent accrued and unpaid Make-Whole Amount, Interest and Late Charges on the Principal, Interest and Make-Whole Amount of this Note, from the Issuance Date.

21. **REMEDIES, CHARACTERIZATIONS, OTHER OBLIGATIONS, BREACHES AND INJUNCTIVE RELIEF.** The remedies provided in this Note shall be cumulative and in addition to all other remedies available under this Note and any of the other Transaction Documents at law or in equity (including a decree of specific performance and/or other injunctive relief), and nothing herein shall limit the Holder’s right to pursue actual and consequential damages for any failure by the Company to comply with the terms of this Note. No failure on the part of the Holder to exercise, and no delay in exercising, any right, power or remedy hereunder shall operate as a waiver thereof; nor shall any single or partial exercise by the Holder of any right, power or remedy preclude any other or further exercise thereof or the exercise of any other right, power or remedy. In addition, the exercise of any right or remedy of the Holder at law or equity or under this Note or any of the documents shall not be deemed to be an election of Holder’s rights or remedies under such documents or at law or equity. The Company covenants to the Holder that there shall be no characterization concerning this instrument other than as expressly provided herein. Amounts set forth or provided for herein with respect to payments, conversion and the like (and the computation thereof) shall be the amounts to be received by the Holder and shall not, except as expressly provided herein, be subject to any other obligation of the Company (or the performance thereof). The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to the Holder and that the remedy at law for any such breach may be inadequate. The Company therefore agrees that, in the event of any such breach or threatened breach, the Holder shall be entitled, in addition to all other available remedies, to specific performance and/or temporary, preliminary and permanent injunctive or other equitable relief from any court of competent jurisdiction in any such case without the necessity of proving actual damages and without posting a bond or other security. The Company shall provide all information and documentation to the Holder that is requested by the Holder to enable the Holder to confirm the Company’s compliance with the terms and conditions of this Note (including, without limitation, compliance with Section 7).

22. **PAYMENT OF COLLECTION, ENFORCEMENT AND OTHER COSTS.** If (a) this Note is placed in the hands of an attorney for collection or enforcement or is collected or enforced through any legal proceeding or the Holder otherwise takes action to collect amounts due under this Note or to enforce the provisions of this Note or (b) there occurs any bankruptcy, reorganization, receivership of the Company or other proceedings affecting Company creditors’ rights and involving a claim under this Note, then the Company shall pay the costs incurred by the Holder for such collection, enforcement or action or in connection with such bankruptcy, reorganization, receivership or other proceeding, including, without limitation, attorneys’ fees and disbursements. The Company expressly acknowledges and agrees that no amounts due under this Note shall be affected, or limited, by the fact that the purchase price paid for this Note was less than the original principal amount hereof.

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23. **CONSTRUCTION: HEADINGS.** This Note shall be deemed to be jointly drafted by the Company and the initial Holder and shall not be construed against any such Person as the drafter hereof. The headings of this Note are for convenience of reference and shall not form part of, or affect the interpretation of, this Note. Unless the context clearly indicates otherwise, each pronoun herein shall be deemed to include the masculine, feminine, neuter, singular and plural forms thereof. The terms “including,” “includes,” “include” and words of like import shall be construed broadly as if followed by the words “without limitation.” The terms “herein,” “hereunder,” “hereof” and words of like import refer to this entire Note instead of just the provision in which they are found. Unless expressly indicated otherwise, all section references are to sections of this Note. Capitalized terms used in this Note and not otherwise defined herein, but defined in the other Transaction Documents, shall have the meanings ascribed to such terms on each Closing Date in such other Transaction Documents unless otherwise consented to in writing by the Holder.

24. FAILURE OR INDULGENCE NOT WAIVER. No failure or delay on the part of the Holder in the exercise of any power, right or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any such power, right or privilege preclude other or further exercise thereof or of any other right, power or privilege. No waiver shall be effective unless it is in writing and signed by an authorized representative of the waiving party. Notwithstanding the foregoing, nothing contained in this Section 24 shall permit any waiver of any provision of Section 3(d).

25. DISPUTE RESOLUTION.

(a) Submission to Dispute Resolution.

(i) In the case of a dispute relating to a Conversion Price, an Event of Default Conversion Price, or the applicable Redemption Price (as the case may be) (including, without limitation, a dispute relating to the determination of any of the foregoing), the Company or the Holder (as the case may be) shall submit the dispute to the other party via facsimile or electronic mail (A) if by the Company, within two (2) Business Days after the occurrence of the circumstances giving rise to such dispute or (B) if by the Holder at any time after the Holder learned of the circumstances giving rise to such dispute. If the Holder and the Company are unable to promptly resolve such dispute relating to such Conversion Price, such Event of Default Conversion Price, or such applicable Redemption Price (as the case may be), at any time after the second (2nd) Business Day following such initial notice by the Company or the Holder (as the case may be) of such dispute to the Company or the Holder (as the case may be), then the Holder may, at its sole option, select an independent, reputable investment bank to resolve such dispute.

(ii) The Holder and the Company shall each deliver to such investment bank (A) a copy of the initial dispute submission so delivered in accordance with the first sentence of this Section 25 and (B) written documentation supporting its position with respect to such dispute, in each case, no later than 5:00 p.m. (New York time) by the fifth (5th) Business Day immediately following the date on which the Holder selected such investment bank (the “**Dispute Submission Deadline**”) (the documents referred to in the immediately preceding clauses (A) and (B) are collectively referred to herein as the “**Required Dispute Documentation**”) (it being understood and agreed that if either the Holder or the Company fails to so deliver all of the Required Dispute Documentation by the Dispute Submission Deadline, then the party who fails to so submit all of the Required Dispute Documentation shall no longer be entitled to (and hereby waives its right to) deliver or submit any written documentation or other support to such investment bank with respect to such dispute and such investment bank shall resolve such dispute based solely on the Required Dispute Documentation that was delivered to such investment bank prior to the Dispute Submission Deadline). Unless otherwise agreed to in writing by both the Company and the Holder or otherwise requested by such investment bank, neither the Company nor the Holder shall be entitled to deliver or submit any written documentation or other support to such investment bank in connection with such dispute (other than the Required Dispute Documentation).

(iii) The Company and the Holder shall cause such investment bank to determine the resolution of such dispute and notify the Company and the Holder of such resolution no later than ten (10) Business Days immediately following the Dispute Submission Deadline. The fees and expenses of such investment bank shall be borne solely by the Company, and such investment bank’s resolution of such dispute shall be final and binding upon all parties absent manifest error.

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(b) Miscellaneous. The Company expressly acknowledges and agrees that (i) this Section 25 constitutes an agreement to arbitrate between the Company and the Holder (and constitutes an arbitration agreement) under § 7501, et seq. of the New York Civil Practice Law and Rules (“**CPLR**”) and that the Holder is authorized to apply for an order to compel arbitration pursuant to CPLR § 7503(a) in order to compel compliance with this Section 25, (ii) a dispute relating to a Conversion Price includes, without limitation, disputes as to whether an agreement, instrument, security or the like constitutes and Option or Convertible Security, (iii) the terms of this Note and each other applicable Transaction Document shall serve as the basis for the selected investment bank’s resolution of the applicable dispute, such investment bank shall be entitled (and is hereby expressly authorized) to make all findings, determinations and the like that such investment bank determines are required to be made by such investment bank in connection with its resolution of such dispute and in resolving such dispute such investment bank shall apply such findings, determinations and the like to the terms of this Note and any other applicable Transaction Documents, (iv) the Holder (and only the Holder), in its sole discretion, shall have the right to submit any dispute described in this Section 25 to any state or federal court sitting in The City of New York, Borough of Manhattan in lieu of utilizing the procedures set forth in this Section 25 and (v) nothing in this Section 25 shall limit the Holder from obtaining any injunctive relief or other equitable remedies (including, without limitation, with respect to any matters described in this Section 25).

26. NOTICES; CURRENCY; PAYMENTS.

(a) Notices. Whenever notice is required to be given under this Note, unless otherwise provided herein, such notice shall be given in accordance with Section 9(f) of the Securities Purchase Agreement. The Company shall provide the Holder with prompt written notice of all actions taken pursuant to this Note, including in reasonable detail a description of such action and the reason therefore. Without limiting the generality of the foregoing, the Company will give written notice to the Holder (i) immediately upon any adjustment of the Conversion Price, setting forth in reasonable detail, and certifying, the calculation of such adjustment and (ii) at least fifteen (15) days prior to the date on which the Company closes its books or takes a record (A) with respect to any dividend or distribution upon the Common Stock, or (B) for determining rights to vote with respect to any Fundamental Transaction, dissolution or liquidation, provided in each case that such information shall be made known to the public prior to or in conjunction with such notice being provided to the Holder.

(b) Currency. All dollar amounts referred to in this Note are in United States Dollars (“**U.S. Dollars**”), and all amounts owing under this Note shall be paid in U.S. Dollars. All amounts denominated in other currencies (if any) shall be converted into the U.S. Dollar equivalent amount in accordance with the Exchange Rate on the date of calculation. “**Exchange Rate**” means, in relation to any amount of currency to be converted into U.S. Dollars pursuant to this Note, the U.S. Dollar exchange rate as published in the Wall Street Journal on the relevant date of calculation (it being understood and agreed that where an amount is calculated with reference to, or over, a period of time, the date of calculation shall be the final date of such period of time).

(c) Payments. Whenever any payment of cash is to be made by the Company to any Person pursuant to this Note, unless otherwise expressly set forth herein, such payment shall be made in lawful money of the United States of America by a certified check drawn on the account of the Company and sent via overnight courier service to such Person at such address as previously provided to the Company in writing (which address, in the case of each of the Buyers, shall initially be as set forth on the Schedule of Buyers attached to the Securities Purchase Agreement), provided that the Holder may elect to receive a payment of cash via wire transfer of immediately available funds by providing the Company with prior written notice setting out such request and the Holder’s wire transfer instructions. Whenever any amount expressed to be due by the terms of this Note is due on any day which is not a Business Day, the same shall instead be due on the next succeeding day which is a Business Day. Any amount of Principal or other amounts due under the Transaction Documents which is not paid after the five day grace period shall result in a late charge being incurred and payable by the Company in an amount equal to interest on such amount at the rate of fifteen percent (15%) per annum from the date such amount was due until the same is paid in full (“**Late Charge**”).

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27. CANCELLATION. After all Principal, accrued Interest, Make-Whole Amount, Late Charges and other amounts at any time owed on this Note have been paid in full, this Note shall automatically be deemed canceled, shall be surrendered to the Company for cancellation and shall not be reissued.

28. WAIVER OF NOTICE. To the extent permitted by law, the Company hereby irrevocably waives demand, notice, presentment, protest and all other demands and notices in connection with the delivery, acceptance, performance, default or enforcement of this Note and the Securities Purchase Agreement.

29. GOVERNING LAW. This Note shall be construed and enforced in accordance with, and all questions concerning the construction, validity, interpretation and performance of this Note shall be governed by, the internal laws of the State of New York, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of New York or any other jurisdictions) that would cause the application of the laws of any jurisdictions other than the State of New York. Except as otherwise required by Section 25 above, the Company hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in New York, New York, for the adjudication of any dispute hereunder or in connection herewith

or with any transaction contemplated hereby or discussed herein, 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 brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper. Nothing contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law. Nothing contained herein shall be deemed to limit in any way any right to serve process in any manner permitted by law. Nothing contained herein (i) shall be deemed or operate to preclude the Holder from bringing suit or taking other legal action against the Company in any other jurisdiction to collect on the Company's obligations to the Holder, to realize on any collateral or any other security for such obligations, or to enforce a judgment or other court ruling in favor of the Holder or (ii) shall limit, or shall be deemed or construed to limit, any provision of Section 25. **THE COMPANY HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR IN CONNECTION WITH OR ARISING OUT OF THIS NOTE OR ANY TRANSACTION CONTEMPLATED HEREBY.**

30. JUDGMENT CURRENCY.

(a) If for the purpose of obtaining or enforcing judgment against the Company in any court in any jurisdiction it becomes necessary to convert into any other currency (such other currency being hereinafter in this Section 30 referred to as the "**Judgment Currency**") an amount due in U.S. dollars under this Note, the conversion shall be made at the Exchange Rate prevailing on the Trading Day immediately preceding:

(i) the date actual payment of the amount due, in the case of any proceeding in the courts of New York or in the courts of any other jurisdiction that will give effect to such conversion being made on such date: or

(ii) the date on which the foreign court determines, in the case of any proceeding in the courts of any other jurisdiction (the date as of which such conversion is made pursuant to this Section 30(a)(ii) being hereinafter referred to as the "**Judgment Conversion Date**").

(b) If in the case of any proceeding in the court of any jurisdiction referred to in Section 30(a)(ii) above, there is a change in the Exchange Rate prevailing between the Judgment Conversion Date and the date of actual payment of the amount due, the applicable party shall pay such adjusted amount as may be necessary to ensure that the amount paid in the Judgment Currency, when converted at the Exchange Rate prevailing on the date of payment, will produce the amount of US dollars which could have been purchased with the amount of Judgment Currency stipulated in the judgment or judicial order at the Exchange Rate prevailing on the Judgment Conversion Date.

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(c) Any amount due from the Company under this provision shall be due as a separate debt and shall not be affected by judgment being obtained for any other amounts due under or in respect of this Note.

31. SEVERABILITY. If any provision of this Note is prohibited by law or otherwise determined to be invalid or unenforceable by a court of competent jurisdiction, the provision that would otherwise be prohibited, invalid or unenforceable shall be deemed amended to apply to the broadest extent that it would be valid and enforceable, and the invalidity or unenforceability of such provision shall not affect the validity of the remaining provisions of this Note so long as this Note as so modified continues to express, without material change, the original intentions of the parties as to the subject matter hereof and the prohibited nature, invalidity or unenforceability of the provision(s) in question does not substantially impair the respective expectations or reciprocal obligations of the parties or the practical realization of the benefits that would otherwise be conferred upon the parties. The parties will endeavor in good faith negotiations to replace the prohibited, invalid or unenforceable provision(s) with a valid provision(s), the effect of which comes as close as possible to that of the prohibited, invalid or unenforceable provision(s).

32. MAXIMUM PAYMENTS. Without limiting Section 9(d) of the Securities Purchase Agreement, nothing contained herein shall be deemed to establish or require the payment of a rate of interest or other charges in excess of the maximum permitted by applicable law. In the event that the rate of interest required to be paid or other charges hereunder exceed the maximum permitted by such law, any payments in excess of such maximum shall be credited against amounts owed by the Company to the Holder and thus refunded to the Company.

33. CERTAIN DEFINITIONS. For purposes of this Note, the following terms shall have the following meanings:

(a) "**1933 Act**" means the Securities Act of 1933, as amended, and the rules and regulations thereunder.

(b) "**1934 Act**" means the Securities Exchange Act of 1934, as amended, and the rules and regulations thereunder.

(c) "**Affiliate**" means, with respect to any Person, any other Person that directly or indirectly controls, is controlled by, or is under common control with, such Person, it being understood for purposes of this definition that "control" of a Person means the power directly or indirectly either to vote 10% or more of the stock having ordinary voting power for the election of directors of such Person or direct or cause the direction of the management and policies of such Person whether by contract or otherwise.

(d) "**Approved Stock Plan**" means any employee benefit plan which has been approved by the board of directors of the Company prior to or subsequent to the Subscription Date pursuant to which shares of Common Stock and standard options to purchase Common Stock may be issued to any employee, officer, consultants or director for services provided to the Company in their capacity as such.

(e) "**Attribution Parties**" means, collectively, the following Persons and entities: (i) any investment vehicle, including, any funds, feeder funds or managed accounts, currently, or from time to time after the Issuance Date, directly or indirectly managed or advised by the Holder's investment manager or any of its Affiliates or principals, (ii) any direct or indirect Affiliates of the Holder or any of the foregoing, (iii) any Person acting or who could be deemed to be acting as a Group together with the Holder or any of the foregoing and (iv) any other Persons whose beneficial ownership of the Company's Common Stock would or could be aggregated with the Holder's and the other Attribution Parties for purposes of Section 13(d) of the 1934 Act. For clarity, the purpose of the foregoing is to subject collectively the Holder and all other Attribution Parties to the Maximum Percentage.

(f) "**Bloomberg**" means Bloomberg, L.P.

(g) "**Business Day**" means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to "stay at home", "shelter-in-place", "non-essential employee" or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York generally are open for use by customers on such day.

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(h) "**Change of Control**" means any Fundamental Transaction other than (i) any merger of the Company or any of its, direct or indirect, wholly-owned Subsidiaries with or into any of the foregoing Persons, (ii) any reorganization, recapitalization or reclassification of the shares of Common Stock (other than a stock split) in which holders of the Company's voting power immediately prior to such reorganization, recapitalization or reclassification continue after such reorganization, recapitalization or reclassification to hold publicly traded securities and, directly or indirectly, are, in all material respects, the holders of the voting power of the surviving entity (or entities with the authority or voting power to elect the members of the board of directors (or their equivalent if other than a corporation) of such entity or entities) after such reorganization, recapitalization or reclassification, or (iii) pursuant to a migratory merger effected solely for the purpose of changing the jurisdiction of incorporation of the Company or any of its Subsidiaries.

(i) "**Change of Control Redemption Premium**" means 110%.

(j) **“Closing Date”** shall have the meaning set forth in the Securities Purchase Agreement.

(k) **“Common Stock”** means (i) the Company’s shares of common stock, \$0.0002 par value per share, and (ii) any capital stock into which such common stock shall have been changed or any share capital resulting from a reclassification of such common stock.

(l) **“Convertible Securities”** means any stock or other security (other than Options) that is at any time and under any circumstances, directly or indirectly, convertible into, exercisable or exchangeable for, or which otherwise entitles the holder thereof to acquire, any shares of Common Stock.

(m) **“Current Subsidiary”** means any Person in which the Company on the Issuance Date, directly or indirectly, (i) owns a majority of the outstanding capital stock or holds any equity or similar interest of such Person or (ii) controls or operates all or any part of the business, operations or administration of such Person, and all of the foregoing, collectively, **“Current Subsidiaries”**.

(n) **“Eligible Market”** means The New York Stock Exchange, the NYSE American, the Nasdaq Global Select Market, the Nasdaq Global Market or the Principal Market.

(o) **“Fiscal Quarter”** means each of the fiscal quarters adopted by the Company for financial reporting purposes that correspond to the Company’s fiscal year as of the date hereof that ends on December 31.

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(p) **“Fundamental Transaction”** means (A) that the Company shall, directly or indirectly, including through subsidiaries, Affiliates or otherwise, in one or more related transactions, (i) consolidate or merge with or into (if the Company is not the surviving corporation) another Subject Entity, or (ii) sell, assign, transfer, convey or otherwise dispose of all or substantially all of the properties or assets of the Company or any of its “significant subsidiaries” (as defined in Rule 1-02 of Regulation S-X) to one or more Subject Entities, or (iii) make, or allow one or more Subject Entities to make, or allow the Company to be subject to or have its Common Stock be subject to or party to one or more Subject Entities making, a purchase, tender or exchange offer that is accepted by the holders of at least either (x) 50% of the outstanding shares of Common Stock, (y) 50% of the outstanding shares of Common Stock calculated as if any shares of Common Stock held by all Subject Entities making or party to, or Affiliated with any Subject Entities making or party to, such purchase, tender or exchange offer were not outstanding; or (z) such number of shares of Common Stock such that all Subject Entities making or party to, or Affiliated with any Subject Entity making or party to, such purchase, tender or exchange offer, become collectively the beneficial owners (as defined in Rule 13d-3 under the 1934 Act) of at least 50% of the outstanding shares of Common Stock, or (iv) consummate a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with one or more Subject Entities whereby all such Subject Entities, individually or in the aggregate, acquire, either (x) at least 50% of the outstanding shares of Common Stock, (y) at least 50% of the outstanding shares of Common Stock calculated as if any shares of Common Stock held by all the Subject Entities making or party to, or Affiliated with any Subject Entity making or party to, such stock purchase agreement or other business combination were not outstanding; or (z) such number of shares of Common Stock such that the Subject Entities become collectively the beneficial owners (as defined in Rule 13d-3 under the 1934 Act) of at least 50% of the outstanding shares of Common Stock, or (v) reorganize, recapitalize or reclassify its Common Stock, (B) that the Company shall, directly or indirectly, including through subsidiaries, Affiliates or otherwise, in one or more related transactions, allow any Subject Entity individually or the Subject Entities in the aggregate to be or become the “beneficial owner” (as defined in Rule 13d-3 under the 1934 Act), directly or indirectly, whether through acquisition, purchase, assignment, conveyance, tender, tender offer, exchange, reduction in outstanding shares of Common Stock, merger, consolidation, business combination, reorganization, recapitalization, spin-off, scheme of arrangement, reorganization, recapitalization or reclassification or otherwise in any manner whatsoever, of either (x) at least 50% of the aggregate ordinary voting power represented by issued and outstanding Common Stock, (y) at least 50% of the aggregate ordinary voting power represented by issued and outstanding Common Stock not held by all such Subject Entities as of the date of this Note calculated as if any shares of Common Stock held by all such Subject Entities were not outstanding, or (z) a percentage of the aggregate ordinary voting power represented by issued and outstanding shares of Common Stock or other equity securities of the Company sufficient to allow such Subject Entities to effect a statutory short form merger or other transaction requiring other stockholders of the Company to surrender their shares of Common Stock without approval of the stockholders of the Company or (C) directly or indirectly, including through subsidiaries, Affiliates or otherwise, in one or more related transactions, the issuance of or the entering into any other instrument or transaction structured in a manner to circumvent, or that circumvents, the intent of this definition in which case this definition shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this definition to the extent necessary to correct this definition or any portion of this definition which may be defective or inconsistent with the intended treatment of such instrument or transaction.

(q) **“GAAP”** means United States generally accepted accounting principles, consistently applied.

(r) **“Group”** means a “group” as that term is used in Section 13(d) of the 1934 Act and as defined in Rule 13d-5 thereunder.

(s) **“Holder Pro Rata Amount”** means a fraction (i) the numerator of which is the original principal amount of this Note on all of the Closing Dates and (ii) the denominator of which is the aggregate original principal amount of all Notes issued to the initial purchasers pursuant to the Securities Purchase Agreement on such Closing Dates.

(t) **“Indebtedness”** shall have the meaning ascribed to such term in the Securities Purchase Agreement.

(u) **“Interest Rate”** means nine percent (9%) per annum, as may be adjusted from time to time in accordance with Section 2.

(v) **“Investment”** means any beneficial ownership (including stock, partnership or limited liability company interests) of or in any Person, or any loan, advance or capital contribution to any Person or the acquisition of all, or substantially all, of the assets of another Person or the purchase of any assets of another Person for greater than the fair market value of such assets.

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(w) **“Key Man Event”** means the failure of Jeff Wolf to remain as Chief Executive Officer of the Company, unless an individual reasonably acceptable to the Holder has been appointed to replace Mr. Wolf within thirty (30) days of such occurrence; provided, that the Holder may, in its sole discretion, extend such deadline for an additional thirty (30) days if the Company delivers evidence reasonably acceptable to the Holder that the Company has identified a replacement for Mr. Wolf and is diligently negotiating an employment agreement for such purpose.

(x) **“Make-Whole Amount”** means, as of any given date and as applicable, in connection with any redemption or other repayment hereunder, an amount equal to the amount of additional Interest that would accrue under this Note at the Interest Rate assuming for calculation purposes that the Principal of this Note as of the applicable Closing Date remained outstanding through and including the Maturity Date.

(y) **“Maturity Date”** shall mean the third anniversary of the Issuance Date; provided, however, the Maturity Date may be extended at the option of the Holder (i) in the event that, and for so long as, an Event of Default shall have occurred and be continuing or any event shall have occurred and be continuing that with the passage of time and the failure to cure would result in an Event of Default or (ii) through the date that is twenty (20) Business Days after the consummation of a Fundamental Transaction in the event that a Fundamental Transaction is publicly announced or a Change of Control Notice is delivered prior to the Maturity Date, provided further that if a Holder elects to convert some or all of this Note pursuant to Section 3 hereof, and the Conversion Amount would be limited pursuant to Section 3(d) hereunder, the Maturity Date shall automatically be extended until such time as such provision shall not limit the conversion of this Note.

(z) **“New Subsidiary”** means, as of any date of determination, any Person in which the Company after the Issuance Date, directly or indirectly, owns or acquires all of the outstanding capital stock or holds any equity or similar interest of such Person, and all of the foregoing, collectively, **“New Subsidiaries”**.

(aa) “**Options**” means any rights, warrants or options to subscribe for or purchase shares of Common Stock or Convertible Securities.

(bb) “**Parent Entity**” of a Person means an entity that, directly or indirectly, controls the applicable Person and whose common stock or equivalent equity security is quoted or listed on an Eligible Market, or, if there is more than one such Person or Parent Entity, the Person or Parent Entity with the largest public market capitalization as of the date of consummation of the Fundamental Transaction.

(cc) “**Permitted Indebtedness**” means (i) Indebtedness evidenced by this Note and the Other Notes, (ii) Indebtedness set forth on Schedule 3(s) to the Securities Purchase Agreement, as in effect as of the Subscription Date and (iii) Indebtedness secured by Permitted Liens or unsecured but as described in clauses (iv) and (v) of the definition of Permitted Liens.

(dd) “**Permitted Liens**” means (i) any Lien for taxes not yet due or delinquent or being contested in good faith by appropriate proceedings for which adequate reserves have been established in accordance with GAAP, (ii) any statutory Lien arising in the ordinary course of business by operation of law with respect to a liability that is not yet due or delinquent, (iii) any Lien created by operation of law, such as materialmen’s liens, mechanics’ liens and other similar liens, arising in the ordinary course of business with respect to a liability that is not yet due or delinquent or that are being contested in good faith by appropriate proceedings, (iv) Liens (A) upon or in any equipment acquired or held by the Company or any of its Subsidiaries to secure the purchase price of such equipment or Indebtedness incurred solely for the purpose of financing the acquisition or lease of such equipment, or (B) existing on such equipment at the time of its acquisition, provided that the Lien is confined solely to the property so acquired and improvements thereon, and the proceeds of such equipment, in either case, with respect to Indebtedness in an aggregate amount not to exceed \$150,000, (v) Liens incurred in connection with the extension, renewal or refinancing of the Indebtedness secured by Liens of the type described in clause (iv) above, provided that any extension, renewal or replacement Lien shall be limited to the property encumbered by the existing Lien and the principal amount of the Indebtedness being extended, renewed or refinanced does not increase, (vi) Liens in favor of customs and revenue authorities arising as a matter of law to secure payments of custom duties in connection with the importation of goods, (vii) Liens arising from judgments, decrees or attachments in circumstances not constituting an Event of Default under Section 4(a)(xii), (viii) mortgages on Liens on newly acquired properties, and (ix) the liens set forth on Schedule 3(w)(ii) of the Disclosure Schedules to the Purchase Agreement.

(ee) “**Person**” means an individual, a limited liability company, a partnership, a joint venture, a corporation, a trust, an unincorporated organization, any other entity or a government or any department or agency thereof.

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(ff) “**Principal Market**” means the Nasdaq Capital Market.

(gg) “**Redemption Notices**” means, collectively, the Event of Default Redemption Notices, the Company Optional Redemption Notices, the Subsequent Placement Optional Redemption Notices, and the Change of Control Redemption Notices, and each of the foregoing, individually, a “**Redemption Notice**.”

(hh) “**Redemption Premium**” means 110%.

(ii) “**Redemption Prices**” means, collectively, Event of Default Redemption Prices, the Change of Control Redemption Prices, Subsequent Placement Optional Redemption Prices, and the Company Optional Redemption Prices, and each of the foregoing, individually, a “**Redemption Price**.”

(jj) “**SEC**” means the United States Securities and Exchange Commission or the successor thereto.

(kk) “**Securities Purchase Agreement**” means that certain securities purchase agreement, dated as of the Subscription Date, by and among the Company and the initial holders of the Notes and Warrants pursuant to which the Company issued the Notes and Warrants, as may be amended from time to time.

(ll) “**Stockholder Approval**” means such approval as may be required by the applicable rules and regulations of the NYSE American (or any successor entity) from the stockholders of the Company, as well as approval of the Supplemental Listing Application by NYSE American, with respect to issuance of all of shares of the Company’s Common Stock pursuant to the redemption or conversion of this Note and/or the issuance of the Warrants pursuant to the Securities Purchase Agreement and the shares of Common Stock issuable upon exercise of the Warrants. The Company shall use its commercially reasonable best efforts to obtain all components of Stockholder Approval, including its officers and directors will enter into the Voting Agreement

(mm) “**Subscription Date**” means December [], 2024.

(nn) “**Subsidiaries**” means, as of any date of determination, collectively, all active Current Subsidiaries and all active New Subsidiaries, and each of the foregoing, individually, a “**Subsidiary**.”

(oo) “**Subject Entity**” means any Person, Persons or Group or any Affiliate or associate of any such Person, Persons or Group.

(pp) “**Successor Entity**” means the Person (or, if so elected by the Holder, the Parent Entity) formed by, resulting from or surviving any Fundamental Transaction or the Person (or, if so elected by the Holder, the Parent Entity) with which such Fundamental Transaction shall have been entered into.

(qq) “**Trading Day**” means, as applicable, (x) with respect to all price or trading volume determinations relating to the Common Stock, any day on which the Common Stock is traded on the Principal Market, or, if the Principal Market is not the principal trading market for the Common Stock, then on the principal securities exchange or securities market on which the Common Stock is then traded, provided that “Trading Day” shall not include any day on which the Common Stock is scheduled to trade on such exchange or market for less than 4.5 hours or any day that the Common Stock is suspended from trading during the final hour of trading on such exchange or market (or if such exchange or market does not designate in advance the closing time of trading on such exchange or market, then during the hour ending at 4:00 p.m., New York time) unless such day is otherwise designated as a Trading Day in writing by the Holder or (y) with respect to all determinations other than price determinations relating to the Common Stock, any day on which The New York Stock Exchange (or any successor thereto) is open for trading of securities.

(rr) “**Transfer Agent**” means the Company’s transfer agent.

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(ss) “**Voting Agreement**” means a voting agreement signed by officers and directors of the Company, pursuant to which such stockholders have agreed, at every meeting of the holders of the Company’s Common Stock that the Company’s stockholders are requested to vote upon a proposal to approve the issuance of all of shares of the Company’s Common Stock pursuant to the redemption or conversion of this Note and/or the issuance of the Warrants and the shares of Common Stock issuable upon exercise of the Warrants, to vote all of the shares of Common Stock that they own in favor such proposal as well as any proposal to approve an adjournment of any such meeting of the Company’s stockholders for purposes of obtaining further votes in favor of such proposal that are at any time or from time to time presented for consideration to the Company’s stockholders.

(tt) “**Warrants**” means the warrants to purchase shares of the Company’s Common Stock issued pursuant to the Securities Purchase Agreement.

34. DISCLOSURE. Upon delivery by the Company to the Holder (or receipt by the Company from the Holder) of any notice in accordance with the terms of this Note, unless the Company has in good faith determined that the matters relating to such notice do not constitute material, non-public information relating to the Company or any of its Subsidiaries, the Company shall on or prior to 9:00 am, New York city time on the Business Day immediately following such notice delivery date, publicly disclose such material, non-public information on a

Current Report on Form 8-K or otherwise. In the event that the Company believes that a notice contains material, non-public information relating to the Company or any of its Subsidiaries, the Company so shall indicate to the Holder explicitly in writing in such notice (or immediately upon receipt of notice from the Holder, as applicable), and in the absence of any such written indication in such notice (or notification from the Company immediately upon receipt of notice from the Holder), the Holder shall be entitled to presume that information contained in the notice does not constitute material, non-public information relating to the Company or any of its Subsidiaries. Nothing contained in this Section 34 shall limit any obligations of the Company, or any rights of the Holder, under Section 4(i) of the Securities Purchase Agreement.

35. ABSENCE OF TRADING AND DISCLOSURE RESTRICTIONS. The Company acknowledges and agrees that the Holder is not a fiduciary or agent of the Company and that the Holder shall have no obligation to (a) maintain the confidentiality of any information provided by the Company or (b) refrain from trading any securities while in possession of such information in the absence of a written non-disclosure agreement signed by an officer of the Holder that explicitly provides for such confidentiality and trading restrictions. In the absence of such an executed, written non-disclosure agreement, the Company acknowledges that the Holder may freely trade in any securities issued by the Company, may possess and use any information provided by the Company in connection with such trading activity, and may disclose any such information to any third party.

[signature page follows]

IN WITNESS WHEREOF, the Company has caused this Note to be duly executed as of the Issuance Date set out above.

SCORPIUS HOLDINGS, INC.

By: _____
Name: Jeffrey Wolf
Title: Chief Executive Officer

EXHIBIT I

SCORPIUS HOLDINGS, INC. CONVERSION NOTICE

Reference is made to the Senior Secured Convertible Note (the “**Note**”) issued to the undersigned by Scorpius Holdings, Inc., a Delaware corporation (the “**Company**”). In accordance with and pursuant to the Note, the undersigned hereby elects to convert the Conversion Amount (as defined in the Note) of the Note indicated below into shares of Common Stock, \$0.0002 par value per share (the “**Common Stock**”), of the Company, as of the date specified below. Capitalized terms not defined herein shall have the meaning as set forth in the Note.

Date of Conversion:

Aggregate Principal to be converted: _____

Aggregate accrued and unpaid Interest, Make-Whole Amount and accrued and unpaid
Late Charges with respect to such portion of the Aggregate Principal and such Aggregate
Interest and Aggregate Make-Whole Amount to be converted: _____

AGGREGATE CONVERSION AMOUNT
TO BE CONVERTED: _____

Please confirm the following information:

Conversion Price: _____

Number of shares of Common Stock to be issued: _____

☐ If this Conversion Notice is being delivered with respect to an Alternate Conversion, check here if Holder is electing to use the following Alternate Conversion Price: _____
Please issue the Common Stock into which the Note is being converted to Holder, or for its benefit, as follows:

☐ Check here if requesting delivery as a certificate to the following name and to the following address:

Issue to: _____

☐ Check here if requesting delivery by Deposit/Withdrawal at Custodian as follows:

DTC Participant: _____

DTC Number: _____

Date: _____, _____

Name of Registered Holder _____

By: _____

Name: _____

Title: _____

Tax ID: _____

E-mail Address: _____

Exhibit 4.2

NEITHER THIS SECURITY NOR THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE HAVE BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS. THIS SECURITY AND THE SECURITIES ISSUABLE UPON EXERCISE OF THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN SECURED BY SUCH SECURITIES.

COMMON STOCK PURCHASE WARRANT

SCORPIUS HOLDINGS, INC.

Warrant Shares: _____

Initial Exercise Date: December [], 2024

Issue Date: December [], 2024

THIS COMMON STOCK PURCHASE WARRANT (the "Warrant") certifies that, for value received, _____ or its assigns (the "Holder") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after December [], 2024 (the "Initial Exercise Date") and on or prior to the close of business on the five (5) year anniversary of the Initial Exercise Date (the "Termination Date") but not thereafter, to subscribe for and purchase from Scorpius Holdings, Inc., a Delaware corporation (the "Company"), up to _____ shares of common stock, par value \$0.0002 per share (the "Common Stock"), of the Company (as subject to adjustment hereunder, the "Warrant Shares"). The purchase price of one Warrant Share under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b). This Warrant is one of a series of warrants (each, a "Warrant") that has been issued pursuant to that certain Securities Purchase Agreement, dated as of December [●], 2024 (the "Subscription Date"), by and among the Company and the investors (the "Buyers") referred to therein, as amended from time to time (the "Securities Purchase Agreement"). Except as otherwise defined herein, capitalized terms in this Warrant shall have the meanings set forth in the Securities Purchase Agreement.

Section 1. Definitions. In addition to the terms defined elsewhere in this Warrant, the following terms have the meanings indicated in this Section 1:

"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.

"Commission" means the United States Securities and Exchange Commission.

"Common Stock" means the common stock of the Company, par value \$0.0002 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, right, option, warrant 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.

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

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

"Notes" means the notes in the aggregate principal amount of \$10,500,000 being issued to the Holder together with the Warrant.

"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.

"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.

"Rule 144" means Rule 144 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.

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

"Stockholder Approval" means such approval as may be required by the applicable rules and regulations of the NYSE American (or any successor entity) from the stockholders of the Company, as well as approval of the Supplemental Listing Application by NYSE American, with respect to issuance of all of the Warrants and the Warrant Shares upon the exercise thereof. The Company shall use its reasonable best efforts to obtain all components of the Stockholder Approval. If the Company does not obtain all components of the Stockholder Approval at Meetings prior to the ninetieth (90th) day following the Closing Date, the Company shall call additional Meetings every three (3) months thereafter to seek any remaining components of the Stockholder Approval. If the Company does not obtain all components of the Stockholder Approval at such additional Meetings, the Company shall call a Meeting every three (3) months days thereafter to seek any remaining components of the Stockholder Approval using printed proxy materials until the date that all components of the Stockholder Approval are obtained.

"Stockholder Approval Date" means the date on which Stockholder Approval is received and deemed effective under Delaware law.

"Trading Day" means a day on which the Common Stock is traded on a Trading Market.

"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 OTCQB, OTCQX or Pink Open Market operated by OTC Markets Group, the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, or the New York Stock Exchange (or any successors to any of the foregoing).

Section 2. Exercise of Warrant.

a) Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Issuance Date and on or before the Termination Date by delivery to the Company of a duly executed facsimile copy or PDF copy submitted by e-mail (or e-mail attachment) of the Notice of Exercise in the form annexed hereto as Exhibit A (the “Notice of Exercise”). Within the earlier of (i) one (1) Trading Day and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined in Section 2(d)(i) herein) following the date of exercise as aforesaid, the Holder shall deliver to the Company the aggregate Exercise Price for the Warrant Shares specified in the applicable Notice of Exercise by wire transfer or cashier’s check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(c) below is specified in the applicable Notice of Exercise. The Company shall have no obligation to inquire with respect to or otherwise confirm the authenticity of the signature(s) contained on any Notice of Exercise nor the authority of the person so executing such Notice of Exercise. No ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise form be required. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date on which the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased in connection with such partial exercise. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise within one (1) Trading Day of receipt of such notice. **The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.**

b) Exercise Price. The exercise price per share of Common Stock under this Warrant shall be \$0.50, subject to adjustment hereunder (the “Exercise Price”).

c) Cashless Exercise. If at the time of exercise hereof on a date that is after the 180th day anniversary of the Initial Exercise Date, there is no effective registration statement registering, or the prospectus contained therein is not available for the resale of the Warrant Shares by the Holder, then this Warrant may also be exercised, in whole or in part, at such time by means of a “cashless exercise” in which the Holder shall be entitled to receive a number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = as applicable: (i) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise if such Notice of Exercise is (1) both executed and delivered pursuant to Section 2(a) hereof on a day that is not a Trading Day or (2) both executed and delivered pursuant to Section 2(a) hereof on a Trading Day prior to the opening of “regular trading hours” (as defined in Rule 600(b) of Regulation NMS promulgated under the federal securities laws) on such Trading Day, (ii) at the option of the Holder, either (y) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise or (z) the Bid Price of the Common Stock on the principal Trading Market as reported by Bloomberg L.P. as of the time of the Holder’s execution of the applicable Notice of Exercise if such Notice of Exercise is executed during “regular trading hours” on a Trading Day and is delivered within two (2) hours thereafter (including until two (2) hours after the close of “regular trading hours” on a Trading Day) pursuant to Section 2(a) hereof, or (iii) the VWAP on the date of the applicable Notice of Exercise if the date of such Notice of Exercise is a Trading Day and such Notice of Exercise is both executed and delivered pursuant to Section 2(a) hereof after the close of “regular trading hours” on such Trading Day;

(B) = the Exercise Price of this Warrant, as adjusted hereunder; and

(X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the registered characteristics of the Warrants being exercised. The Company agrees not to take any position contrary to this Section 2(c).

“Bid Price” means, for any security as of the particular time of determination, the bid price for such security on the Trading Market as reported by Bloomberg as of such time of determination, or, if the Trading Market is not the principal securities exchange or trading market for such security, the bid price of such security on the principal securities exchange or trading market where such security is listed or traded as reported by Bloomberg as of such time of determination, or if the foregoing does not apply, the bid price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg as of such time of determination, or, if no bid price is reported for such security by Bloomberg as of such time of determination, the average of the bid prices of any market makers for such security as reported on the Pink Open Market as of such time of determination. If the Bid Price cannot be calculated for a security as of the particular time of determination on any of the foregoing bases, the Bid Price of such security as of such time of determination shall be the fair market value as mutually determined by the Company and the Holder. If the Company and the Holder are unable to agree upon the fair market value of such security, then such fair market value shall be determined pursuant to the provisions set forth in clause (d) of the definition of VWAP. All such determinations to be appropriately adjusted for any stock dividend, share split, share consolidation, reclassification or other similar transaction during the applicable calculation period.

“Closing Sale Price” means, for any security as of any date, the last closing trade price for such security on the Trading Market, as reported by Bloomberg, or, if the Trading Market begins to operate on an extended hours basis and does not designate the closing trade price, then the last trade price of such security prior to 4:00:00 p.m., New York time, as reported by Bloomberg, or, if the Trading Market is not the principal securities exchange or trading market for such security, the last trade price of such security on the principal securities exchange or trading market where such security is listed or traded as reported by Bloomberg, or if the foregoing do not apply, the last trade price of such security in the over-the-counter market on the electronic bulletin board for such security as reported by Bloomberg, or, if no last trade price is reported for such security by Bloomberg, the average of the ask prices of any market makers for such security as reported on the in the OTC Link or on the Pink Open Market. If the Closing Sale Price cannot be calculated for a security on a particular date on any of the foregoing bases, Closing Sale Price of such security on such date shall be the fair market value as mutually determined by the Company and the Holder. If the Company and the Holder are unable to agree upon the fair market value of such security, then such fair market value shall be determined pursuant to the provisions set forth in clause (d) of the definition of VWAP. All such determinations to be appropriately adjusted for any stock dividend, share split, share consolidation, reclassification or other similar transaction during the applicable calculation period.

“VWAP” means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted for trading on a Trading Market other than the OTCQB, OTCQX or Pink Open Market operated by OTC Markets Group, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if the Common Stock is then quoted for trading on the OTCQB or OTCQX operated by OTC Markets Group, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is then quoted for trading on the Pink Open Market operated by OTC Markets Group (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of Common Stock reported on the Pink Open Market, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. The Company shall cause the Warrant Shares purchased hereunder to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder’s or its designee’s balance account with The Depository Trust Company through its Deposit or Withdrawal at Custodian system (the “DWAC”) if the Company is then a participant in such system and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by the Holder or (B) the Warrant Shares are eligible for resale by the Holder without volume or manner-of-sale limitations pursuant to Rule 144 (assuming this Warrant is being exercised via cashless exercise), and otherwise by physical delivery of a certificate, registered in the Company’s share register in the name of the Holder or its designee, for the number of Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is the earlier of (i) one (1) Trading Day after the delivery to the Company of the Notice of Exercise, and (ii) the number of Trading Days comprising the Standard Settlement Period after the delivery to the Company of the Notice of Exercise (such date, the “Warrant Share Delivery Date”). Upon delivery of the Notice of Exercise, the Holder shall be deemed for all corporate purposes to have become the Holder of record of the Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the Warrant Shares, provided that payment of the aggregate Exercise Price (other than in the case of a cashless exercise) is received within the earlier of (i) one (1) Trading Days and (ii) the number of Trading Day comprising the Standard Settlement Period following delivery of the Notice of Exercise. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the Warrant Share Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares subject to such exercise (based on the VWAP of the Common Stock on the date of the applicable Notice of Exercise), \$10 per Trading Day (increasing to \$20 per Trading Day on the third Trading Day after the Warrant Share Delivery Date) for each Trading Day after such Warrant Share Delivery Date until such Warrant Shares are delivered to said Holder or the Holder rescinds such exercise. The Company agrees to maintain a transfer agent that is a participant in the Fast Automated Securities Transfer or FAST program so long as this Warrant remains outstanding and exercisable. As used herein, “Standard Settlement Period” means the standard settlement period, expressed in a number of Trading Days, on the Company’s primary Trading Market with respect to the Common Stock as in effect on the date of delivery of the Notice of Exercise.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights. If the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise by delivering written notice to the Company at any time prior to the delivery of such Warrant Shares (in which case any liquidated damages payable under Section 2(d)(i) shall no longer be payable).

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iv. Compensation for Buy-In on Failure to Timely Deliver Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares in accordance with the provisions of Section 2(d)(i) above pursuant to an exercise on or before the Warrant Share Delivery Date (other than any such failure that is solely due to any action or inaction by the Holder with respect to such exercise, and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue by (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of shares of Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases shares of Common Stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted exercise of Warrants with an aggregate sale price giving rise to such purchase obligation of \$10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder \$1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

v. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

vi. Charges, Taxes and Expenses. The Issuance and delivery of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that in the event that Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto as Exhibit B duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto, and if any portion of this Warrant remains unexercised, a new Warrant in the form hereof shall be delivered by the Company to the assignee. The Company shall pay all Transfer Agent fees required for same-day processing of any Notice of Exercise and all fees to the Depository Trust Company (or another established clearing corporation performing similar functions) required for same-day electronic delivery of the Warrant Shares.

vii. Closing of Books. The Company shall not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

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e) Holder's Exercise Limitations. The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, pursuant to Section 2 or otherwise, to the extent that after giving effect to such issuance after exercise as set forth on the applicable Notice of Exercise, the Holder (together with (i) the Holder's Affiliates, (ii) any other Persons acting as a group together with the Holder or any of the Holder's Affiliates, and (iii) any other Person whose beneficial ownership of shares of Common Stock would or could be aggregated with the Holder's for the purpose of Section 13(d) (such Persons, "Attribution Parties")), would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates and Attribution Parties shall include the number of Warrant Shares issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of Warrant Shares which would be issuable upon (i) exercise of the remaining, non-exercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or non-converted portion of any other securities of the Company (including, without limitation, any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this Section 2(e), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 2(e) applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder, and the Company shall have no obligation to verify or confirm the accuracy of such determination. For purposes of this Section 2(e), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall within two Trading Days confirm orally and in writing to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be 4.99% (or, upon election by a Holder prior to the issuance of any Warrants, 9.99%) of the number of shares of Common Stock outstanding immediately after giving effect to the issuance of the Warrant Shares issuable upon exercise of this Warrant. The Holder, upon notice to the Company, may increase or decrease the Beneficial Ownership Limitation provisions of this Section 2(e), provided that the Beneficial Ownership Limitation in no event exceeds 9.99% of the number of shares of Common Stock outstanding immediately after giving effect to the issuance of Warrant Shares upon exercise of this Warrant held by the Holder and the provisions of this Section 2(e) shall continue to apply. Any increase in the Beneficial Ownership Limitation will not be effective until the 61st day after such notice is delivered to the Company. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(e) to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of this Warrant.

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f) Principal Market Regulation. The Company shall not issue any shares of Common Stock upon the exercise of this Warrant if the issuance of such shares of Common Stock (taken together with the issuance of such shares upon the exercise of the Warrants and the conversion of the Notes or otherwise pursuant to the terms of the Notes or the Warrants) would exceed the aggregate number of shares of Common Stock which the Company may issue upon exercise or conversion or otherwise pursuant to the terms of the Notes or the Warrants (as the case may be) of the Warrants and the Notes without breaching the Company's obligations under the rules or regulations of the Principal Market (the number of shares which may be issued without violating such rules and regulations, the "Exchange Cap"), except that such limitation shall not apply in the event that the Company (A) obtains Stockholder Approval as required by the applicable rules of the Principal Market for issuances of shares of Common Stock in excess of such amount or (B) obtains a written opinion from outside counsel to the Company that such approval is not required, which opinion shall be reasonably satisfactory to the Holder. Until such approval or such written opinion is obtained, no Holder shall be issued in the aggregate, upon conversion or exercise (as the case may be) of any Notes or any of the Warrants or otherwise pursuant to the terms of the Notes or the Warrants, shares of Common Stock in an amount greater than the product of (i) the Exchange Cap as of the Issuance Date multiplied by (ii) the quotient of (1) the original principal amount of Notes issued to such Holder pursuant to the Securities Purchase Agreement on all of the Closing Dates (as defined in the Securities Purchase Agreement) divided by (2) the aggregate original principal amount of all Notes issued to the Buyers pursuant to the Securities Purchase Agreement on such Closing Dates (with respect to each Buyer, the "Exchange Cap Allocation"). In the event that any Holder shall sell or otherwise transfer any of such Holder's Warrants, the transferee shall be allocated a pro rata portion of such Holder's Exchange Cap Allocation with respect to such portion of such Warrants so transferred, and the restrictions of the prior sentence shall apply to such transferee with respect to the portion of the Exchange Cap Allocation so allocated to such transferee. Upon conversion and exercise in full of a Holder's Notes and Warrants, the difference (if any) between such Holder's Exchange Cap Allocation and the number of shares of Common Stock actually issued to such Holder upon such Holder's conversion in full of such Notes and such Holder's exercise in full of such Warrants shall be allocated, to the respective Exchange Cap Allocations of the remaining holders of Notes and related Warrants on a pro rata basis in proportion to the shares of Common Stock underlying the Notes and related Warrants then held by each such holder of Notes and related Warrants. At any time after the Stockholder Meeting Deadline (as defined in the Securities Purchase Agreement), in the event that the Company is then prohibited from issuing any shares of Common Stock pursuant to this Section 2(f) (the "Exchange Cap Shares"), in lieu of issuing and delivering such Exchange Cap Shares to the Holder, the Company shall pay cash to the Holder in exchange for the cancellation of such portion of this Warrant exercisable into such Exchange Cap Shares (the "Exchange Cap Payment Amount") at a price equal to the sum of (x) the product of (A) such number of Exchange Cap Shares and (B) the average of the three greatest Closing Sale Prices of the Common Stock on any Trading Day during the period commencing on the date the Holder delivers the applicable Exercise Notice with respect to such Exchange Cap Shares to the Company and ending on the date of such payment under this Section 2(f) and (y) to the extent the Holder purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by the Holder of Exchange Cap Shares, any brokerage commissions and other out-of-pocket expenses, if any, of the Holder incurred in connection therewith. Notwithstanding anything contained herein to the contrary, the maximum aggregate number of shares of Common Stock issuable to the Holder upon exercise of this Warrant or any other Warrant and pursuant to the terms of the Notes shall not exceed the number of such shares that, when aggregated with all other shares of securities beneficially owned by the Holder, would result in the Holder of this Warrant, together with the holders of all other Warrants issued by the Company on the date hereof, owning more than 19.99% of all shares of the Company's Common Stock as would be outstanding immediately prior to the execution and delivery of the Purchase Agreement, which shall be equal to (x) the original principal amount of the Note issued to the Holder on the date hereof divided by the aggregate principal amount of Notes issued by the Company on the date hereof, multiplied by (y) 19.99% of all shares of the Company's Common Stock outstanding immediately prior to the execution and delivery of the Purchase Agreement, unless the Company has obtained Stockholder Approval and any other necessary approvals in accordance with the rules and requirements of the Principal Market, which the Company may or may not seek in its discretion. Failure to seek or obtain such approval(s) will not change any other term or condition of this Warrant.

Section 3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any Warrant Shares issued by the Company upon exercise of this Warrant), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split or consolidation) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

b) Subsequent Rights Offerings. In addition to any adjustments pursuant to Section 3(a) above, if at any time while this Warrant is outstanding the Company grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to all of the record holders of any class of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, that, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of Common Stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

c) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets) to all of the holders of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, shares or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, however, to the extent that the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent (or in the beneficial ownership of any shares of Common Stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

d) **Fundamental Transaction.** If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or amalgamation or consolidation of the Company with or into another Person, and the Company is not the surviving entity (ii) the Company (or any subsidiary) , directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding shares of Common Stock or 50% or more of the voting power of the common equity of the Company, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of shares of Common Stock or any compulsory share exchange pursuant to which shares of Common Stock are effectively converted into or exchanged for other securities, cash or property (other than a stock split), or (v) the Company, directly or indirectly, in one or more related transactions consummates a share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off, merger or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires more than 50% of the outstanding shares of Common Stock or more of the outstanding Common Stock or 50% or more of the voting power of the common equity of the Company (each a “**Fundamental Transaction**”), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 2(e) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation or is otherwise the continuing corporation, and any additional consideration (the “**Alternate Consideration**”) receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 2(e) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of shares of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction, the Company or any Successor Entity (as defined below) shall, at the Holder’s option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction (or, if later, the date of the public announcement of the applicable Fundamental Transaction), purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction; provided, however, that, if the Fundamental Transaction is not within the Company’s control, including not approved by the Company’s board of directors, Holder shall only be entitled to receive from the Company or any Successor Entity, as of the date of consummation of such Fundamental Transaction, the same type or form of consideration (and in the same proportion), at the Black Scholes Value (as defined below) of the unexercised portion of this Warrant, that is being offered and paid to the holders of Common Stock of the Company in connection with the Fundamental Transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of Common Stock are given the choice to receive from among alternative forms of consideration in connection with the Fundamental Transaction; provided, further, that if holders of Common Stock of the Company are not offered or paid any consideration in such Fundamental Transaction, such holders of Common Stock will be deemed to have received common stock of the Successor Entity (which Successor Entity may be the Company following such Fundamental Transaction) in such Fundamental Transaction. “**Black Scholes Value**” means the value of this Warrant based on the Black and Scholes Option Pricing Model obtained from the “OV” function on Bloomberg, L.P. (“**Bloomberg**”) determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date, (B) an expected volatility equal to the greater of (1) the 30 day volatility, (2) the greater of 100% and the 100 day volatility or (3) the 365 day volatility, each of clauses (1)-(3) as obtained from the HVT function on Bloomberg (determined utilizing a 365 day annualization factor) as of the Trading Day immediately following the public announcement of the applicable contemplated Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the highest VWAP during the period beginning on the Trading Day immediately preceding the public announcement of the applicable contemplated Fundamental Transaction (or the consummation of the applicable Fundamental Transaction, if earlier) and ending on the Trading Day of the Holder’s request pursuant to this Section 3(d) and (D) a remaining option time equal to the time between the date of the public announcement of the applicable contemplated Fundamental Transaction and the Termination Date and (E) a zero cost of borrow. The payment of the Black Scholes Value will be made by wire transfer of immediately available funds (or such other consideration) within the later of (i) five Business Days of the Holder’s election and (ii) the date of consummation of the Fundamental Transaction. The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the “**Successor Entity**”) to assume in writing all of the obligations of the Company under this Warrant in accordance with the provisions of this Section 3(d) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall be added to the term “**Company**” under this Warrant (so that from and after the occurrence or consummation of such Fundamental Transaction, each and every provision of this Warrant referring to the “**Company**” shall refer instead to each of the Company and the Successor Entity or Successor Entities, jointly and severally), and the Successor Entity or Successor Entities, jointly and severally with the Company, may exercise every right and power of the Company prior thereto and the Successor Entity or Successor Entities shall assume all of the obligations of the Company prior thereto under this Warrant with the same effect as if the Company and such Successor Entity or Successor Entities, jointly and severally, had been named as the Company herein. For the avoidance of doubt, the Holder shall be entitled to the benefits of the provisions of this Section 3(d) regardless of (i) whether the Company has sufficient authorized shares of Common Stock for the issuance of Warrant Shares and/or (ii) whether a Fundamental Transaction occurs prior to the Initial Exercise Date.

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e) **Calculations.** All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share of Common Stock, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

f) **Notice to Holder.**

i. **Adjustment to Exercise Price.** Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly deliver to the Holder by facsimile or email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment; provided however, that no notice shall be required if the information is disseminated by the Company in a filing with the Commission on its EDGAR system pursuant to a Current Report on Form 8-K or Quarterly Report on Form 10-Q or Annual Report on Form 10-K or in a press release.

ii. **Notice to Allow Exercise by Holder.** If (A) the Company shall declare a dividend (or any other distribution in whatever form other than a stock split) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the shares of Common Stock (excluding any granting or issuance of rights to all of the Company’s stockholders pursuant to a stockholder rights plan), (C) the Company shall authorize the granting to all holders of the shares of Common Stock rights or warrants to subscribe for or purchase any shares of the Company or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger, amalgamation or arrangement to which the Company (or any of its Subsidiaries) is a party, any sale or transfer of all or substantially all of the assets of its, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by facsimile or email to the Holder at its last facsimile number or email address as it shall appear upon the Warrant Register of the Company, at least 4 calendar days prior to the applicable record or effective date hereinafter specified (unless such information is filed with the Commission on its EDGAR system in which case a notice shall not be required), a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, amalgamation, arrangement, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, amalgamation, arrangement sale, transfer or share exchange; provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of its subsidiaries (the “**Subsidiaries**”), the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

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Section 4. Transfer of Warrant.

a) **Transferability.** Subject to compliance with any applicable securities law and the conditions set forth in Section 4(d) hereof, this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with a written assignment of this Warrant substantially in the form attached hereto duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment, and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company unless the Holder has assigned this Warrant in full, in which case, the Holder shall surrender this Warrant to the Company within three (3) Trading Days of the date on which the Holder delivers an assignment form to the Company assigning this Warrant in full. This Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Initial Issuance Date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) Warrant Register. The Company shall register this Warrant, upon records to be maintained by the Company for that purpose (the “Warrant Register”), in the name of the record Holder hereof from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

d) Transfer Restrictions. If, at the time of the surrender of this Warrant in connection with any transfer of this Warrant, the transfer of this Warrant shall not be either (i) registered pursuant to an effective registration statement under the Securities Act and under applicable state securities or blue sky laws or (ii) eligible for resale without volume or manner-of-sale restrictions or current public information requirements pursuant to Rule 144, the Company may require, as a condition of allowing such transfer, that the Holder or transferee of this Warrant, as the case may be, provides to the Company an opinion of counsel, the form and substance of which opinion shall be reasonably satisfactory to the Company, to the effect that the transfer of this Warrant does not require registration under the Securities Act.

e) Representation by the Holder. The Holder, by the acceptance hereof, represents and warrants that it is acquiring this Warrant and, upon any exercise hereof, will acquire the Warrant Shares issuable upon such exercise, for its own account and not with a view to or for distributing or reselling such Warrant Shares or any part thereof in violation of the Securities Act or any applicable state securities law, except pursuant to sales registered or exempted under the Securities Act.

Section 5. Miscellaneous.

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i), except as expressly set forth in Section 3. Without limiting any rights of a Holder to receive Warrant Shares on a “cashless exercise” pursuant to Section 2(c) or to receive cash payments pursuant to Section 2(d)(i) and Section 2(d)(iv) herein, in no event, shall the Company be required to net cash settle an exercise of this Warrant.

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b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall in no event include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company shall make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) 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 Trading Day, then, such action may be taken or such right may be exercised on the next succeeding Trading Day.

d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued shares of Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company shall take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued and delivered, as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed or quoted for trading. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and non-assessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, amalgamation, arrangement dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company shall (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and non-assessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Warrant 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 conflict of laws thereof. Each party agrees that all legal Proceedings concerning the interpretation, enforcement and defense of this Warrant shall be commenced in the state and federal courts sitting in the City of New York, Borough of Manhattan (the “New York Courts”). Each party hereto hereby irrevocably submits to the exclusive jurisdiction of the New York Courts 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 provision hereunder), 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 such New York Courts, or such New York Courts are improper or inconvenient venue for such Proceeding. If any party shall commence an action or Proceeding to enforce any provisions of this Warrant, then the prevailing party in such action or Proceeding shall be reimbursed by the other party for its attorneys’ fees and other costs and expenses incurred in the investigation, preparation and prosecution of such action or Proceeding.

f) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, and the Holder does not utilize cashless exercise, will have restrictions upon resale imposed by state and federal or foreign securities laws.

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g) Nonwaiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder’s rights, powers or remedies. Without limiting any other provision of this Warrant or the Securities Purchase Agreement, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys’ fees, including those of appellate Proceedings, incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

h) Notices. Any and all notices or other communications or deliveries to be provided by the Holders hereunder including, without limitation, any Notice of Exercise, shall be in writing and delivered personally, by facsimile or by e-mail, or sent by a nationally recognized overnight courier service, addressed to the Company, at 627 Davis Drive, Suite 300, Morrisville, North Carolina 27560, Attention: William Ostrander, Chief Financial Officer, email address: wostrander@nighthawkbio.com, or such other email address or address as the Company may specify for such purposes by notice to the Holders. Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by facsimile, email or sent by a nationally recognized overnight courier service addressed to each Holder at the facsimile number, email address or address of such Holder appearing on the books of the Company. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the time of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail at the e-mail address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail at the e-mail address set forth in this Section on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service, or (iv) upon actual receipt by the party to whom such notice is required to be given. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Company or any Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K.

i) Limitation of Liability. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

j) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

k) Successors and Assigns. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

l) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company, on the one hand, and the Holder, on the other hand.

m) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

n) No Expense Reimbursement. The Holder shall in no way be required to pay, or to reimburse the Company for, any fees or expenses of the Company’s transfer agent in connection with the issuance or holding or sale of the Common Stock, Warrant and/or Warrant Shares. The Company shall solely be responsible for any and all such fees and expenses.

o) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

SCORPIUS HOLDINGS, INC.

By: _____
Name: _____
Title: _____

NOTICE OF EXERCISE

TO: SCORPIUS HOLDINGS, INC.

(1) The undersigned hereby elects to purchase _____ Warrant Shares of the Company pursuant to the terms of the attached Warrant (only if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of (check applicable box):

☐ in lawful money of the United States; or
☐ if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(c), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(c).

(3) Please issue said Warrant Shares in the name of the undersigned or in such other name as is specified below:

The Warrant Shares shall be delivered to the following DWAC Account Number:

[SIGNATURE OF HOLDER]

Name of Investing Entity: _____
Signature of Authorized Signatory of Investing Entity: _____
Name of Authorized Signatory: _____
Title of Authorized Signatory: _____
Date: _____

ASSIGNMENT FORM

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name: _____

(Please Print)

Address: _____

(Please Print)

Phone Number: _____

Email Address: _____

Dated: _____, _____

Holder's Signature: _____

Holder's Address: _____

Exhibit 10.1

SECURITIES PURCHASE AGREEMENT

This **SECURITIES PURCHASE AGREEMENT** (the "**Agreement**"), dated as of December [], 2024, is by and among Scorpius Holdings, Inc., a Delaware corporation, with offices located at 627 Davis Drive, Suite 300, Morrisville, North Carolina 27560 (the "**Company**"), and each of the investors listed on the Schedule of Buyers attached hereto (individually, a "**Buyer**" and collectively, the "**Buyers**").

RECITALS

A. The Company and each Buyer is executing and delivering this Agreement in reliance upon the exemption from securities registration afforded by Section 4(a)(2) of the Securities Act of 1933, as amended (the "**1933 Act**"), and Rule 506(b) of Regulation D ("**Regulation D**") as promulgated by the United States Securities and Exchange Commission (the "**SEC**") under the 1933 Act.

B. The Company has authorized a new series of senior secured convertible notes of the Company, in the aggregate original principal amount of up to \$13,388,889, substantially in the form attached hereto as **Exhibit A** (the "**Notes**"), which Notes shall be convertible into shares of Common Stock (as defined below) (the shares of Common Stock issuable pursuant to the terms of the Notes, collectively, the "**Conversion Shares**"), in accordance with the terms of the Notes. In connection with the Closing (as defined below), each Buyer wishes to purchase, and the Company wishes to sell, upon the terms and conditions stated in this Agreement, the Notes in the aggregate original principal amount set forth opposite such Buyer's name in column (2) on the Schedule of Buyers attached hereto (the "**Schedule of Buyers**").

C. The Company has authorized a new series of Common Stock purchase warrants of the Company, substantially in the form attached hereto as **Exhibit B** (the "**Warrants**"), which Warrants shall be exercisable for up to 13,388,889 shares of Common Stock in the aggregate (the shares of Common Stock issuable pursuant to the terms of the Warrants, collectively, the "**Warrant Shares**"), in accordance with the terms of the Warrants. In connection with the Closing (as defined below), each Buyer wishes to purchase, and the Company wishes to sell, upon the terms and conditions stated in this Agreement, the number of Warrant Shares set forth opposite such Buyer's name in column (3) on the Schedule of Buyers. The issuance of the Warrant Shares shall be subject to the approval of the Company's stockholders.

D. The Notes, the Warrants, the Warrant Shares and the Conversion Shares are collectively referred to herein as the "**Securities**."

E. The Notes will rank senior to all outstanding and future indebtedness of the Company and its Subsidiaries (as defined below).

F. At the Closing, the Company shall cause the stockholders listed on Schedule of Stockholders attached hereto to execute a Voting Agreement, in the form attached hereto as **Exhibit C** (the "**Voting Agreement**"), pursuant to which they shall agree to vote shares of Common Stock beneficially owned by each stockholder in favor of the transactions contemplated by the Transaction Documents, including (a) the issuance of all of the Conversion Shares and Warrant Shares in excess of 19.99% of the issued and outstanding Common Stock at the time the Company enters into this Agreement, and (b) any subsequent issuance(s) of the Conversion Shares or Warrants Shares in excess of 19.99% of the issued and outstanding Common Stock as a consequence of any corporate action, including the implementation of a reverse stock split, provided that the transactions in clauses (a) and (b) have been approved by the Principal Market.

H. At the Closing, the parties hereto shall execute and deliver a Security Agreement, in the form attached hereto as **Exhibit D** (the "**Security Agreement**"), reflecting the grant of security interests by the Company and its domestic subsidiaries in the Collateral (as described in the Security Agreement) to secure the obligations of the Company under the Notes and the other Transaction Documents.

I. At the Closing, the domestic subsidiaries of the Company shall execute and deliver a Subsidiary Guarantee, in the form attached hereto as Exhibit E (the “**Subsidiary Guarantee**”), guaranteeing the obligations of the Company under the Notes and the other Transaction Documents.

AGREEMENT

NOW, THEREFORE, in consideration of the premises and the mutual covenants contained herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Company and each Buyer hereby agree as follows:

1. PURCHASE AND SALE OF NOTES AND WARRANTS.

(a) Purchase of Notes. Subject to the satisfaction (or waiver) of the conditions set forth in Sections 6 and 7 below, (i) at the Closing, the Company shall issue and sell to each Buyer, and each Buyer severally, but not jointly, agrees to purchase from the Company on the Closing Date (as defined below) Notes in the original principal amount as is set forth opposite such Buyer’s name in column (2) on the Schedule of Buyer.

(b) Purchase of Warrants. Subject to the satisfaction (or waiver) of the conditions set forth in Sections 6 and 7 below, (i) at the Closing, the Company shall issue and sell to each Buyer, and each Buyer severally, but not jointly, agrees to purchase from the Company on the applicable Closing Date the number of Warrant Shares as is set forth opposite such Buyer’s name in column (3) on the Schedule of Buyers.

(c) Closing.

(i) Closing. Following the execution of this Agreement, the closing and payment of the Purchase Price (as defined below) for the Notes and Warrants by the Buyers (the “**Closing**”) shall occur at the offices of Sullivan & Worcester LLP, 1251 Avenue of the Americas, 19th Floor, New York, New York 10020. The date and time of the Closing (the “**Closing Date**”) shall occur at 10:00 a.m., New York time, on the first Business Day on which the conditions to the Closing set forth in Sections 6 and 7 below are satisfied or waived (or such other date, time or place (including remotely) as is mutually agreed to by the Company and each Buyer), subject to applicable federal securities laws. As used herein “**Business Day**” means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to “stay at home”, “shelter-in-place”, “non-essential employee” or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York generally are open for use by customers on such day.

(d) Purchase Price. The aggregate purchase price for the Notes and Warrants to be purchased by each Buyer (the “**Purchase Price**”) at the Closing shall be the amount set forth opposite such Buyer’s name in column (4) on the Schedule of Buyers for the Closing.

(e) Payment. On the Closing Date, (i) each Buyer shall pay its respective applicable Purchase Price (less, in the case of any Buyer, the amounts withheld pursuant to Section 4(g)) to the Company for the Notes and Warrants to be issued and sold to such Buyer at such Closing, by wire transfer of immediately available funds in accordance with the Flow of Funds Letter (as defined in Section 7(a)(xi)), and (ii) the Company shall deliver to each Buyer (1) the applicable Notes to be issued to such Buyer in accordance with this Section 1, duly executed on behalf of the Company and registered in the name of such Buyer or its designee and (2) the applicable corresponding Warrants to be issued to such Buyer in accordance with this Section 1, duly executed on behalf of the Company and registered in the name of such Buyer or its designee.

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2. BUYER’S REPRESENTATIONS AND WARRANTIES.

Each Buyer, severally and not jointly, represents and warrants to the Company with respect to only itself that, as of the date hereof and as of the Closing Date:

(a) Organization: Authority. Such Buyer, where applicable, is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction of its organization with the requisite power and authority to enter into and to consummate the transactions contemplated by the Transaction Documents to which it is a party and otherwise to carry out its obligations hereunder and thereunder.

(b) No Public Sale or Distribution. Such Buyer (i) is acquiring its Notes and its Warrants, (ii) upon conversion of its Notes, will acquire the Conversion Shares, and (iii) upon exercise of its Warrants, will acquire the Warrant Shares, in each case, for its own account and not with a view towards, or for resale in connection with, the public sale or distribution thereof in violation of applicable securities laws, except pursuant to sales registered or exempted under the 1933 Act; provided, however, by making the representations herein, such Buyer does not agree, or make any representation or warranty, to hold any of the Securities for any minimum or other specific term and reserves the right to dispose of the Securities at any time in accordance with or pursuant to a registration statement or an exemption from registration under the 1933 Act. Such Buyer does not presently have any agreement or understanding, directly or indirectly, with any Person to distribute any of the Securities in violation of applicable securities laws. For purposes of this Agreement, “**Person**” means an individual, a limited liability company, a partnership, a joint venture, a corporation, a trust, an unincorporated organization, any other entity and any Governmental Entity or any department or agency thereof.

(c) Accredited Investor Status. Such Buyer is an “accredited investor” as that term is defined in Rule 501(a) of Regulation D.

(d) Reliance on Exemptions. Such Buyer understands that the Securities are being offered and sold to it in reliance on specific exemptions from the registration requirements of United States federal and state securities laws and that the Company is relying in part upon the truth and accuracy of, and such Buyer’s compliance with, the representations, warranties, agreements, acknowledgments and understandings of such Buyer set forth herein in order to determine the availability of such exemptions and the eligibility of such Buyer to acquire the Securities.

(e) Information. Such Buyer and its advisors, if any, have been furnished with all materials relating to the business, finances and operations of the Company and its Subsidiaries and potential Subsidiaries and materials relating to the offer and sale of the Securities that have been requested by such Buyer and its Subsidiaries and potential Subsidiaries. Such Buyer and its advisors, if any, have been afforded the opportunity to ask questions of the Company and its Subsidiaries and potential Subsidiaries. Neither such inquiries nor any other due diligence investigations conducted by such Buyer or its advisors, if any, or its representatives shall modify, amend or affect such Buyer’s right to rely on the Company’s representations and warranties contained herein. Such Buyer understands that its investment in the Securities involves a high degree of risk. Such Buyer has sought such accounting, legal and tax advice as it has considered necessary to make an informed investment decision with respect to its acquisition of the Securities.

(f) No Governmental Review. Such Buyer understands that no United States federal or state agency or any other government or governmental agency has passed on or made any recommendation or endorsement of the Securities or the fairness or suitability of the investment in the Securities nor have such authorities passed upon or endorsed the merits of the offering of the Securities.

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(g) Transfer or Resale. Such Buyer understands that except as provided in Section 4(t) of this Agreement: (i) the Securities have not been and are not being registered under the 1933 Act or any state securities laws, and may not be offered for sale, sold, assigned or transferred unless (A) subsequently registered thereunder, (B) such Buyer shall have delivered to the Company (if requested by the Company) an opinion of counsel, in a form reasonably acceptable to the Company, to the effect that such Securities to be sold, assigned or transferred may be sold, assigned or transferred pursuant to an exemption from such registration, or (C) such Buyer provides the Company with reasonable assurance that such Securities can be sold, assigned or transferred pursuant to Rule 144 or Rule 144A promulgated under the 1933 Act (or a successor rule thereto) (collectively, “**Rule 144**”); (ii) any sale of the Securities made in reliance on Rule 144 may be made only in accordance with the terms of Rule 144, and further, if Rule 144 is not applicable, any resale of the Securities under circumstances in which the seller (or the Person through whom the sale is made) may be deemed to be an underwriter (as that term is defined in the 1933 Act) may require compliance with some other exemption under the 1933 Act or the rules and regulations of the SEC promulgated thereunder; and (iii) neither the Company nor any other Person is under any obligation to register the Securities under the 1933 Act or any state securities laws or to comply with the terms and conditions of any exemption thereunder. Notwithstanding the foregoing, the Securities may be pledged in connection with a bona fide margin account or other loan or financing arrangement secured by the Securities and such pledge of Securities shall not be deemed to be a transfer, sale or assignment of the Securities hereunder, and no Buyer effecting a pledge of Securities shall be required to provide the Company with any notice thereof or otherwise make any delivery to the Company pursuant to this Agreement or any other Transaction Document (as defined in Section 3(b)), including, without limitation, this Section 2(g).

(h) Validity; Enforcement. This Agreement has been duly and validly authorized, executed and delivered on behalf of such Buyer and shall constitute the legal, valid and binding obligations of such Buyer enforceable against such Buyer in accordance with their respective terms, except as such enforceability may be limited by general principles of equity or to applicable bankruptcy, insolvency, reorganization, moratorium, liquidation and other similar laws relating to, or affecting generally, the enforcement of applicable creditors’ rights and remedies.

(i) No Conflicts. The execution, delivery and performance by such Buyer of this Agreement and the consummation by such Buyer of the transactions contemplated hereby will not, where applicable, (i) result in a violation of the organizational documents of such Buyer, or (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which such Buyer is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or decree (including federal and state securities laws) applicable to such Buyer, except in the case of clauses (ii) and (iii) above, for such conflicts, defaults, rights or violations which could not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the ability of such Buyer to perform its obligations hereunder.

3. REPRESENTATIONS AND WARRANTIES OF THE COMPANY.

Except as set forth in the Disclosure Schedules (the “**Disclosure Schedules**”), which Disclosure Schedules shall be deemed a part hereof and shall qualify any representation or otherwise made herein to the extent of the disclosure contained in the corresponding section of the Disclosure Schedules, the Company represents and warrants to each of the Buyers that, as of the date hereof and as of the Closing Date:

(a) Organization and Qualification. Each of the Company and its Subsidiaries is an entity duly organized and validly existing and in good standing under the laws of the jurisdiction in which it is formed, and has the requisite power and authority to own its properties and to carry on its business as now being conducted and as presently proposed to be conducted. Each of the Company and its Subsidiaries is duly qualified as a foreign entity to do business and is in good standing in every jurisdiction in which its ownership of property or the nature of the business conducted by it makes such qualification necessary, except to the extent that the failure to be so qualified or be in good standing would not reasonably be expected to have a Material Adverse Effect (as defined below). As used in this Agreement, “**Material Adverse Effect**” means any material adverse effect on (i) the business, properties, assets, liabilities, operations (including results thereof), condition (financial or otherwise) or prospects of the Company or any Subsidiary, individually or taken as a whole, (ii) the transactions contemplated hereby or in any of the other Transaction Documents or any other agreements or instruments to be entered into in connection herewith or therewith or (iii) the authority or ability of the Company or any of its Subsidiaries to perform any of their respective obligations under any of the Transaction Documents. Other than the Persons (as defined below) set forth on Schedule 3(a) of the Disclosure Schedules, the Company has no Subsidiaries. “**Subsidiaries**” means any Person, for which the Company, (I) owns any of the outstanding capital stock or holds any equity or similar interest of such Person or (II) controls or operates all or any part of the business, operations or administration of such Person, and each of the foregoing, is individually referred to herein as a “**Subsidiary**.”

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(b) Authorization; Enforcement; Validity. The Company has the requisite power and authority to enter into and perform its obligations under this Agreement and the other Transaction Documents and to issue the Securities in accordance with the terms hereof and thereof. Each Subsidiary has the requisite power and authority to enter into and perform its obligations under the Transaction Documents to which it is a party (as applicable). The execution and delivery of this Agreement and the other Transaction Documents by the Company and its applicable Subsidiaries, and the consummation by the Company and its applicable Subsidiaries of the transactions contemplated hereby and thereby (including, without limitation, the issuance of the Notes and Warrants, respectively, and the reservation for the Conversion Shares issuable upon conversion of the Notes and the Warrant Shares issuable upon exercise of the Warrants, respectively) have been duly authorized by the Company’s board of directors and each of its Subsidiaries’ board of directors or other governing body, as applicable, and (other than the filing with the SEC of one or more Registration Statements in accordance with the requirements of Section 4(t) of this Agreement, a Form D with the SEC and any other filings as may be required by any state securities agencies) no further filing, consent or authorization is required by the Company, its Subsidiaries, their respective boards of directors or their stockholders or other governing body. This Agreement has been, and the other applicable Transaction Documents to which it the Company and any applicable Subsidiary a party will be prior to the Closing, duly executed and delivered by the Company, and each constitutes the legal, valid and binding obligations of the Company and such Subsidiary, enforceable against the Company and such Subsidiary, respectively, in accordance with its respective terms, except as such enforceability may be limited by general principles of equity or applicable bankruptcy, insolvency, reorganization, moratorium, liquidation or similar laws relating to, or affecting generally, the enforcement of applicable creditors’ rights and remedies and except as rights to indemnification and to contribution may be limited by federal or state securities law. “**Transaction Documents**” means, collectively, this Agreement, the Notes, the Warrants, the Voting Agreement, the Irrevocable Transfer Agent Instructions (as defined below), the Security Agreement, the Subsidiary Guarantee and each of the other agreements and instruments entered into or delivered by any of the parties hereto in connection with the transactions contemplated hereby and thereby, as may be amended from time to time.

(c) Issuance of Securities. The issuance of the Notes and Warrants are duly authorized and upon issuance in accordance with the terms of the Transaction Documents shall be validly issued, fully paid and non-assessable and free from all preemptive or similar rights, mortgages, defects, claims, liens, pledges, charges, taxes, rights of first refusal, encumbrances, security interests and other encumbrances (collectively “**Liens**”) with respect to the issuance thereof. As of the Closing, the Company shall have reserved from its duly authorized capital stock not less than the Required Reserve Amount (as defined below) and maintained in accordance with Section 4(l) hereof. Upon issuance in accordance with the conversion of the Notes, the Conversion Shares, when issued, will be validly issued, fully paid and nonassessable and free from all preemptive or similar rights or Liens with respect to the issue thereof, with the holders being entitled to all rights accorded to a holder of Common Stock. Upon issuance in accordance with the exercise of the Warrants, the Warrant Shares, when issued, will be validly issued, fully paid and nonassessable and free from all preemptive or similar rights or Liens with respect to the issue thereof, with the holders being entitled to all rights accorded to a holder of Common Stock. Subject to the accuracy of the representations and warranties of the Buyers in this Agreement, the offer and issuance by the Company of the Securities is exempt from registration under the 1933 Act.

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(d) No Conflicts. The execution, delivery and performance of the Transaction Documents by the Company and its Subsidiaries and the consummation by the Company and its Subsidiaries of the transactions contemplated hereby and thereby (including, without limitation, the issuance of the Notes and the Conversion Shares, the issuance of the Warrants and the Warrant Shares, and the reservation for issuance of the Conversion Shares and Warrant Shares, will not (i) result in a violation of the Certificate of Incorporation (as defined below) (including, without limitation, any certificate of designation contained therein), Bylaws (as defined below), certificate of formation, memorandum of association, articles of association, bylaws or other organizational documents of the Company or any of its Subsidiaries, or any capital stock or other securities of the Company or any of its Subsidiaries, (ii) conflict with, or constitute a default (or an event which with notice or lapse of time or both would become a default) in any respect under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which the Company or any of its Subsidiaries is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment or

decree (including, without limitation, foreign, federal and state securities laws and regulations and the rules and regulations of the NYSE American LLC (the “Principal Market”) and including all applicable foreign, federal and state laws, rules and regulations) applicable to the Company or any of its Subsidiaries or by which any property or asset of the Company or any of its Subsidiaries is bound or affected except with respect to clause (ii) and (iii), where such would not, either individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(e) Consents. Except as set forth on Schedule 3(e) of the Disclosure Schedules, as the date of this Agreement, neither the Company nor any Subsidiary is required to obtain any consent from, authorization or order of, or make any filing or registration with (other than the filing with the SEC of one or more Registration Statements in accordance with the requirements of Section 4(t) of this Agreement, a filing of a supplemental listing application with the NYSE American LLC, a Form D with the SEC and any other filings as may be required by any state securities agencies), any Governmental Entity (as defined below) or any regulatory or self-regulatory agency or any other Person in order for it to execute, deliver or perform any of its respective obligations under or contemplated by the Transaction Documents, in each case, in accordance with the terms hereof or thereof. All consents, authorizations, orders, filings and registrations which the Company or any Subsidiary is required to obtain pursuant to the preceding sentence have been or will be obtained or effected on or prior to the Closing Date, and neither the Company nor any of its Subsidiaries are aware of any facts or circumstances which might prevent the Company or any of its Subsidiaries from obtaining or effecting any of the registration, application or filings contemplated by the Transaction Documents. Except as disclosed in filings with the Securities and Exchange Commission, the Company is not in violation of the requirements of the Principal Market and has no knowledge of any facts or circumstances which could reasonably lead to delisting or suspension of the Common Stock in the foreseeable future. “Governmental Entity” means any nation, state, county, city, town, village, district, or other political jurisdiction of any nature, federal, state, local, municipal, foreign, or other government, governmental or quasi-governmental authority of any nature (including any governmental agency, branch, department, official, or entity and any court or other tribunal), multi-national organization or body; or body exercising, or entitled to exercise, any administrative, executive, judicial, legislative, police, regulatory, or taxing authority or power of any nature or instrumentality of any of the foregoing, including any entity or enterprise owned or controlled by a government or a public international organization or any of the foregoing.

(f) Acknowledgment Regarding Buyer’s Purchase of Securities. The Company acknowledges and agrees that each Buyer is acting solely in the capacity of an arm’s length purchaser with respect to the Transaction Documents and the transactions contemplated hereby and thereby and that no Buyer is (i) an officer or director of the Company or any of its Subsidiaries, (ii) an “affiliate” (as defined in Rule 144) of the Company or any of its Subsidiaries or (iii) to its knowledge, a “beneficial owner” of more than 10% of the shares of Common Stock (as defined for purposes of Rule 13d-3 of the Securities Exchange Act of 1934, as amended (the “1934 Act”). The Company further acknowledges that no Buyer is acting as a financial advisor or fiduciary of the Company or any of its Subsidiaries (or in any similar capacity) with respect to the Transaction Documents and the transactions contemplated hereby and thereby, and any advice given by a Buyer or any of its representatives or agents in connection with the Transaction Documents and the transactions contemplated hereby and thereby is merely incidental to such Buyer’s purchase of the Securities. The Company further represents to each Buyer that the Company’s and each Subsidiary’s decision to enter into the Transaction Documents to which it is a party has been based solely on the independent evaluation by the Company, each Subsidiary and their respective representatives.

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(g) No General Solicitation; Placement Agent’s Fees. Neither the Company, nor any of its Subsidiaries or affiliates, nor any Person acting on its or their behalf, has engaged in any form of general solicitation or general advertising (within the meaning of Regulation D) in connection with the offer or sale of the Securities. The Company shall be responsible for the payment of any placement agent’s fees, financial advisory fees, or brokers’ commissions (other than for Persons engaged by any Buyer or its investment advisor) relating to or arising out of the transactions contemplated hereby, including, without limitation, placement agent fees payable to ThinkEquity LLC, as placement agent (“ThinkEquity” or the “Placement Agent”) in connection with the sale of the Securities. The fees and expenses of the Placement Agent to be paid by the Company or any of its Subsidiaries are as set forth on Schedule 3(g) of the Disclosure Schedules. The Company shall pay, and hold each Buyer harmless against, any liability, loss or expense (including, without limitation, attorney’s fees and out-of-pocket expenses) arising in connection with any such claim. The Company acknowledges that it has engaged the Placement Agent in connection with the sale of the Securities. Other than the Placement Agent, neither the Company nor any of its Subsidiaries has engaged any placement agent or other agent in connection with the offer or sale of the Securities.

(h) No Integrated Offering. None of the Company, its Subsidiaries or any of their affiliates, nor any Person acting on 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 require registration of the issuance of any of the Securities under the 1933 Act, whether through integration with prior offerings or otherwise, or cause this offering of the Securities to require approval of stockholders of the Company for purposes of the 1933 Act or under any applicable stockholder approval provisions, including, without limitation, under the rules and regulations of any exchange or automated quotation system on which any of the securities of the Company are listed or designated for quotation. None of the Company, its Subsidiaries, their affiliates nor any Person acting on their behalf will take any action or steps that would require registration of the issuance of any of the Securities under the 1933 Act or cause the offering of any of the Securities to be integrated with other offerings of securities of the Company.

(i) Dilutive Effect. The Company understands and acknowledges that it is possible for the number of Conversion Shares and Warrant Shares to increase in certain circumstances. The Company further acknowledges that its obligation to issue the Conversion Shares pursuant to the terms of the Notes and its obligation to issue the Warrant Shares pursuant to the terms of the Warrants in accordance with this Agreement is, in each case, absolute and unconditional regardless of the dilutive effect that such issuance may have on the ownership interests of other stockholders of the Company.

(j) Application of Takeover Protections; Rights Agreement. The Company and its board of directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, interested stockholder, business combination, poison pill (including, without limitation, any distribution under a rights agreement), stockholder rights plan or other similar anti-takeover provision under the Certificate of Incorporation, Bylaws or other organizational documents or the laws of the jurisdiction of its incorporation or otherwise which is or could become applicable to any Buyer as a result of the transactions contemplated by this Agreement, including, without limitation, the Company’s issuance of the Securities and any Buyer’s ownership of the Securities. The Company and its board of directors have taken all necessary action, if any, in order to render inapplicable any stockholder rights plan or similar arrangement relating to accumulations of beneficial ownership of shares of Common Stock or a change in control of the Company or any of its Subsidiaries.

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(k) SEC Documents; Financial Statements. Except as disclosed in the SEC Documents (as defined below), during the twelve (12) months prior to the date hereof, the Company has timely filed all reports, schedules, forms, proxy statements, statements and other documents pursuant to the reporting requirements of the 1934 Act (all of the foregoing filed prior to the date hereof and all exhibits and appendices included therein and financial statements, notes and schedules thereto and documents incorporated by reference therein being hereinafter referred to as the “SEC Documents”). The Company has delivered or has made available to the Buyers or their respective representatives true, correct and complete copies of each of the SEC Documents not available on the EDGAR system. As of their respective dates, the SEC Documents complied in all material respects with the requirements of the 1934 Act and the rules and regulations of the SEC promulgated thereunder applicable to the SEC Documents, and none of the SEC Documents, at the time they were filed with the SEC, 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. As of their respective dates, the financial statements of the Company included in the SEC Documents complied in all material respects with applicable accounting requirements and the published rules and regulations of the SEC with respect thereto as in effect as of the time of filing. Such financial statements have been prepared in accordance with generally accepted accounting principles (“GAAP”), consistently applied, during the periods involved (except (i) as may be otherwise indicated in such financial statements or the notes thereto, or (ii) in the case of unaudited interim statements, to the extent they may exclude footnotes or may be condensed or summary statements) and fairly present in all material respects the financial position of the Company as of the dates thereof and the results of its operations and cash flows for the periods then ended (subject, in the case of unaudited statements, to normal year-end audit adjustments which will not be material, either individually or in the aggregate). The reserves, if any, established by the Company or the lack of reserves, if applicable, are reasonable based upon facts and circumstances known by the Company on the date hereof and there are no loss contingencies that are required to be accrued by the Statement of Financial Accounting Standard No. 5 of the Financial Accounting Standards Board which are not provided for by the Company in its financial statements or otherwise. No other information provided by or on behalf of the Company to any of the Buyers which is not included in the SEC Documents (including, without limitation, information referred to in Section 2(e) of this Agreement or in the Disclosure Schedules to this Agreement) contains any untrue statement of a material fact or omits to state any material fact necessary in order to make the statements therein not misleading, in the light of the circumstance under which they are or were made. The Company is not currently contemplating to amend or restate any of the financial statements (including, without limitation, any notes or any letter of the independent accountants of the Company with respect thereto) included in the SEC Documents (the “Financial Statements”), nor is the Company currently aware of facts or circumstances which would require the Company to amend or restate any of the Financial Statements, in each case, in order for any of the Financial Statements to be in compliance with GAAP and the rules and regulations of the SEC. The Company has not been informed by its independent accountants that they recommend that the

Company amend or restate any of the Financial Statements or that there is any need for the Company to amend or restate any of the Financial Statements. To the Company's knowledge, BDO USA, P.C., whose report on the consolidated financial statements of the Company as of December 31, 2023 and 2022, and for each of the two years in the period ended December 31, 2023, and the related notes, which report is included in the Company's most recently filed Annual Report on Form 10-K, (x) was during the periods covered by their report an independent registered public accounting firm with respect to the Company within the meaning of the 1933 Act and (y) not in violation of the auditor independence requirements of the Sarbanes-Oxley Act of 2002, as amended, with respect to the Company.

(l) Absence of Certain Changes. Since the date of the Company's most recent unaudited financial statements contained in a Form 10-Q, there has been no material adverse change and no material adverse development in the business, assets, liabilities, properties, operations (including results thereof), condition (financial or otherwise) or prospects of the Company or any of its Subsidiaries. Since the date of the Company's most recent audited financial statements contained in a Form 10-K, neither the Company nor any of its Subsidiaries has (i) declared or paid any dividends, (ii) sold any assets, individually or in the aggregate, outside of the ordinary course of business or (iii) made any capital expenditures, individually or in the aggregate, outside of the ordinary course of business. Neither the Company nor any of its Subsidiaries has taken any steps to seek protection pursuant to any law or statute relating to bankruptcy, insolvency, reorganization, receivership, liquidation or winding up, nor does the Company or any Subsidiary have any knowledge or reason to believe that any of their respective creditors intend to initiate involuntary bankruptcy proceedings or any actual knowledge of any fact which would reasonably lead a creditor to do so. The Company and its Subsidiaries, individually and on a consolidated basis, after giving effect to the transactions contemplated hereby to occur at the Closing, will not be Insolvent (as defined below). For purposes of this Section 3(l), "**Insolvent**" means, (i) with respect to the Company and its Subsidiaries, on a consolidated basis, (A) the present fair saleable value of the Company's and its Subsidiaries' assets is less than the amount required to pay the Company's and its Subsidiaries' total Indebtedness (as defined below), (B) the Company and its Subsidiaries are unable to pay their debts and liabilities, subordinated, contingent or otherwise, as such debts and liabilities become absolute and matured or (C) the Company and its Subsidiaries intend to incur or believe that they will incur debts that would be beyond their ability to pay as such debts mature; and (ii) with respect to the Company and each Subsidiary, individually, (A) the present fair saleable value of the Company's or such Subsidiary's (as the case may be) assets is less than the amount required to pay its respective total Indebtedness, (B) the Company or such Subsidiary (as the case may be) is unable to pay its respective debts and liabilities, subordinated, contingent or otherwise, as such debts and liabilities become absolute and matured or (C) the Company or such Subsidiary (as the case may be) intends to incur or believes that it will incur debts that would be beyond its respective ability to pay as such debts mature. Neither the Company nor any of its Subsidiaries has engaged in any business or in any transaction, and is not about to engage in any business or in any transaction, for which the Company's or such Subsidiary's remaining assets constitute unreasonably small capital with which to conduct the business in which it is engaged as such business is now conducted and is proposed to be conducted.

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(m) No Undisclosed Events, Liabilities, Developments or Circumstances. No event, liability, development or circumstance has occurred or exists, or is reasonably expected to exist or occur with respect to the Company, any of its Subsidiaries or any of their respective businesses, properties, liabilities, prospects, operations (including results thereof) or condition (financial or otherwise), that (i) would be required to be disclosed by the Company under applicable securities laws on a registration statement on Form S-1 filed with the SEC relating to an issuance and sale by the Company of its Common Stock and which has not been publicly announced, (ii) could have a material adverse effect on any Buyer's investment hereunder or (iii) could have a Material Adverse Effect.

(n) Conduct of Business: Regulatory Permits. Neither the Company nor any of its Subsidiaries is in violation of any term of or in default under its Certificate of Incorporation, any certificate of designation, preferences or rights of any other outstanding series of preferred stock of the Company or any of its Subsidiaries or Bylaws or their organizational charter, certificate of formation, memorandum of association, articles of association, Certificate of Incorporation or certificate of incorporation or bylaws, respectively. Neither the Company nor any of its Subsidiaries is in violation of any judgment, decree or order or any statute, ordinance, rule or regulation applicable to the Company or any of its Subsidiaries, and neither the Company nor any of its Subsidiaries will conduct its business in violation of any of the foregoing, except in all cases for possible violations which could not, individually or in the aggregate, have a Material Adverse Effect. As applicable, during the two years prior to the date hereof, (i) the Common Stock has been listed or designated for quotation on the Principal Market, (ii) trading in the Common Stock has not been suspended by the SEC or the Principal Market and (iii) other than as disclosed in the SEC Documents, the Company has received no communication, written or oral, from the SEC or the Principal Market regarding the suspension or delisting of the Common Stock from the Principal Market. The Company and each of its Subsidiaries possess all certificates, authorizations and permits issued by the appropriate regulatory authorities necessary to conduct their respective businesses, except where the failure to possess such certificates, authorizations or permits would not have, individually or in the aggregate, a Material Adverse Effect, and neither the Company nor any such Subsidiary has received any notice of proceedings relating to the revocation or modification of any such certificate, authorization or permit. There is no agreement, commitment, judgment, injunction, order or decree binding upon the Company or any of its Subsidiaries or to which the Company or any of its Subsidiaries is a party which has or would reasonably be expected to have the effect of prohibiting or materially impairing any business practice of the Company or any of its Subsidiaries, any acquisition of property by the Company or any of its Subsidiaries or the conduct of business by the Company or any of its Subsidiaries as currently conducted other than such effects, individually or in the aggregate, which have not had and would not reasonably be expected to have a Material Adverse Effect on the Company or any of its Subsidiaries.

(o) Foreign Corrupt Practices. In the prior five (5) years, neither the Company, nor any Subsidiary, nor to the knowledge of the Company or any Subsidiary, any director, officer, agent, employee, nor any other person acting for or on behalf of the foregoing (individually and collectively, a "**Company Affiliate**"), 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 any Subsidiary (or made by any person acting on its behalf of which the Company is aware) which is in violation of applicable law or (iv) violated in any material respect any provision of the U.S. Foreign Corrupt Practices Act or any other applicable anti-bribery or anti-corruption laws.

(p) Sarbanes-Oxley Act. Except as disclosed in the SEC Documents, the Company and each Subsidiary is in compliance with any and all applicable requirements of the Sarbanes-Oxley Act of 2002, as amended, and any and all applicable rules and regulations promulgated by the SEC thereunder.

(q) Transactions With Affiliates. Except as set forth in the SEC Documents, no current or former employee, partner, director, officer or stockholder (direct or indirect) of the Company or its Subsidiaries, or any associate, or, to the knowledge of the Company, any affiliate of any thereof, or any relative with a relationship no more remote than first cousin of any of the foregoing, is presently, or has ever been, (i) a party to any transaction with the Company or its Subsidiaries (including any contract, agreement or other arrangement providing for the furnishing of services by, or rental of real or personal property from, or otherwise requiring payments to, any such director, officer or stockholder or such associate or affiliate or relative Subsidiaries (other than for ordinary course services as employees, officers or directors of the Company or any of its Subsidiaries)) or (ii) the direct or indirect owner of an interest in any corporation, firm, association or business organization which is a competitor, supplier or customer of the Company or its Subsidiaries (except for a passive investment (direct or indirect) in less than 5% of the common stock of a company whose securities are traded on or quoted through an Eligible Market (as defined in the Notes)), nor does any such Person receive income from any source other than the Company or its Subsidiaries which relates to the business of the Company or its Subsidiaries or should properly accrue to the Company or its Subsidiaries. No employee, officer, stockholder or director of the Company or any of its Subsidiaries or member of his or her immediate family is indebted to the Company or its Subsidiaries, as the case may be, nor is the Company or any of its Subsidiaries indebted (or committed to make loans or extend or guarantee credit) to any of them, other than (i) for payment of salary for services rendered, (ii) reimbursement for reasonable expenses incurred on behalf of the Company, and (iii) for other standard employee benefits made generally available to all employees or executives (including stock option agreements outstanding under any Approved Stock Plan (as defined below)).

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(r) Equity Capitalization.

(i) Definitions:

(A) "**Common Stock**" means (x) the Company's shares of common stock, \$0.0002 par value per share, and (y) any capital stock into which such common stock shall have been changed or any share capital resulting from a reclassification of such common stock.

(B) "**Preferred Stock**" means (x) the Company's preferred stock, \$0.0001 par value per share, the terms of which may be designated by the board of directors

of the Company in a certificate of designations and (y) any capital stock into which such preferred stock shall have been changed or any share capital resulting from a reclassification of such preferred stock (other than a conversion of such preferred stock into Common Stock in accordance with the terms of such certificate of designations).

(ii) **Authorized and Outstanding Capital Stock.** As of the date hereof, the authorized capital stock of the Company consists of (A) 250,000,000 shares of Common Stock, of which 4,331,268 shares of Common have been issued and outstanding, of which an aggregate of 10,940,021 shares of Common Stock are reserved for issuance pursuant to Convertible Securities (as defined below) and (B) 10,000,000 shares of Preferred Stock, none of which are issued and outstanding. “Convertible Securities” means any capital stock or other security of the Company or any of its Subsidiaries that is at any time and under any circumstances directly or indirectly convertible into, exercisable or exchangeable for, or which otherwise entitles the holder thereof to acquire, any capital stock or other security of the Company (including, without limitation, Common Stock) or any of its Subsidiaries.

(iii) **Valid Issuance; Available Shares; Affiliates.** All of such outstanding shares are duly authorized and have been, or upon issuance will be, validly issued and are fully paid and nonassessable. Schedule 3(r)(iii) of the Disclosure Schedules sets forth the number of shares of Common Stock that are (A) reserved for issuance pursuant to Convertible Securities (other than the Notes and Warrants) and (B) that are, as of the date hereof, owned by Persons who are “affiliates” (as defined in Rule 405 of the 1933 Act and calculated based on the assumption that only officers, directors and holders of at least 10% of the Company’s issued and outstanding Common Stock are “affiliates” without conceding that any such Persons are “affiliates” for purposes of federal securities laws) of the Company or any of its Subsidiaries. Except as set forth on Schedule 3(r)(iii) of the Disclosure Schedules, to the Company’s knowledge, no Person beneficially owns 10% or more of the Company’s issued and outstanding shares of Common Stock (calculated based on the assumption that all Convertible Securities, whether or not presently exercisable or convertible, have been fully exercised or converted (as the case may be) taking account of any limitations on exercise or conversion (including “blockers”) contained therein without conceding that such identified Person is a 10% stockholder for purposes of federal securities laws).

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(iv) **Existing Securities; Obligations.** Except as disclosed in Schedule 3(r)(iv): (A) none of the Company’s or any Subsidiary’s shares, interests or capital stock is subject to preemptive rights or any other similar rights or Liens suffered or permitted by the Company or any Subsidiary; (B) there are no outstanding options, warrants, scrip, rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities or rights convertible into, or exercisable or exchangeable for, any shares, interests or capital stock of the Company or any of its Subsidiaries, or contracts, commitments, understandings or arrangements by which the Company or any of its Subsidiaries is or may become bound to issue additional shares, interests or capital stock of the Company or any of its Subsidiaries or options, warrants, scrip, rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities or rights convertible into, or exercisable or exchangeable for, any shares, interests or capital stock of the Company or any of its Subsidiaries; (C) there are no agreements or arrangements under which the Company or any of its Subsidiaries is obligated to register the sale of any of their securities under the 1933 Act (except pursuant to Section 4(t) of this Agreement); (D) there are no outstanding securities or instruments of the Company or any of its Subsidiaries which contain any redemption or similar provisions, and there are no contracts, commitments, understandings or arrangements by which the Company or any of its Subsidiaries is or may become bound to redeem a security of the Company or any of its Subsidiaries; (E) there are no securities or instruments containing anti-dilution or similar provisions that will be triggered by the issuance of the Securities; and (F) neither the Company nor any Subsidiary has any stock appreciation rights or “phantom stock” plans or agreements or any similar plan or agreement.

(v) **Organizational Documents.** The Company has furnished or made available on EDGAR to the Buyers true, correct and complete copies of the Company’s Third Amended and Restated Certificate of Incorporation, as amended and as in effect on the date hereof (the “Certificate of Incorporation”), and the Company’s Amended and Restated Bylaws, as in effect on the date hereof (the “Bylaws”), and the terms of all Convertible Securities and the material rights of the holders thereof in respect thereto.

(vi) The Common Stock is registered pursuant to Section 12(b) of the 1934 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 1934 Act, nor has the Company received any notification that the SEC is contemplating terminating such registration. The Common Stock is eligible for participation in the DTC book entry system.

(s) **Indebtedness and Other Contracts.** Neither the Company nor any of its Subsidiaries, (i) except as disclosed on Schedule 3(s) of the Disclosure Schedules, has any outstanding debt securities, notes, credit agreements, credit facilities or other agreements, documents or instruments evidencing Indebtedness of the Company or any of its Subsidiaries or by which the Company or any of its Subsidiaries is or may become bound, (ii) is a party to any contract, agreement or instrument, the violation of which, or default under which, by the other party(ies) to such contract, agreement or instrument could reasonably be expected to result in a Material Adverse Effect, (iii) has any financing statements securing obligations in any amounts filed in connection with the Company or any of its Subsidiaries; (iv) is in violation of any term of, or in default under, any contract, agreement or instrument relating to any Indebtedness, except where such violations and defaults would not result, individually or in the aggregate, in a Material Adverse Effect, or (v) is a party to any contract, agreement or instrument relating to any Indebtedness, the performance of which, in the judgment of the Company’s officers, has or is expected to have a Material Adverse Effect. Neither the Company nor any of its Subsidiaries have any liabilities or obligations required to be disclosed in the SEC Documents which are not so disclosed in the SEC Documents, other than those incurred in the ordinary course of the Company’s or its Subsidiaries’ respective businesses and which, individually or in the aggregate, do not or could not have a Material Adverse Effect. For purposes of this Agreement: (x) “Indebtedness” of any Person means, without duplication (A) all indebtedness for borrowed money, (B) all obligations issued, undertaken or assumed as the deferred purchase price of property or services (including, without limitation, “capital leases” in accordance with GAAP) (other than trade payables entered into in the ordinary course of business consistent with past practice), (C) all reimbursement or payment obligations with respect to letters of credit, surety bonds and other similar instruments, (D) all obligations evidenced by notes, bonds, debentures or similar instruments, including obligations so evidenced incurred in connection with the acquisition of property, assets or businesses, (E) all indebtedness created or arising under any conditional sale or other title retention agreement, or incurred as financing, in either case with respect to any property or assets acquired with the proceeds of such indebtedness (even though the rights and remedies of the seller or bank under such agreement in the event of default are limited to repossession or sale of such property), (F) all monetary obligations under any leasing or similar arrangement which, in connection with GAAP, consistently applied for the periods covered thereby, is classified as a capital lease, (G) all indebtedness referred to in clauses (A) through (F) above secured by (or for which the holder of such Indebtedness has an existing right, contingent or otherwise, to be secured by) any Lien upon or in any property or assets (including accounts and contract rights) owned by any Person, even though the Person which owns such assets or property has not assumed or become liable for the payment of such indebtedness, and (H) all Contingent Obligations in respect of indebtedness or obligations of others of the kinds referred to in clauses (A) through (G) above; and (y) “Contingent Obligation” means, as to any Person, any direct or indirect liability, contingent or otherwise, of that Person with respect to any Indebtedness, lease, dividend or other obligation of another Person if the primary purpose or intent of the Person incurring such liability, or the primary effect thereof, is to provide assurance to the obligee of such liability that such liability will be paid or discharged, or that any agreements relating thereto will be complied with, or that the holders of such liability will be protected (in whole or in part) against loss with respect thereto.

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(t) **Litigation.** There is no action, suit, arbitration, proceeding, inquiry or investigation before or by the Principal Market, any court, public board, other Governmental Entity, self-regulatory organization or body pending or, to the knowledge of the Company, threatened against or affecting the Company or any of its Subsidiaries, the Common Stock or any of the Company’s or its Subsidiaries’ officers or directors, whether of a civil or criminal nature or otherwise, in their capacities as such. No director, officer or employee of the Company or any of its subsidiaries has willfully violated 18 U.S.C. §1519 or engaged in spoliation in reasonable anticipation of litigation. Without limitation of the foregoing, there has not been, and to the knowledge of the Company, there is not pending or contemplated, any investigation by the SEC involving the Company, any of its Subsidiaries or any current or former director or officer of the Company or any of its Subsidiaries. The SEC has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company under the 1933 Act or the 1934 Act. After reasonable inquiry of its employees, the Company is not aware of any fact which might result in or form the basis for any such action, suit, arbitration, investigation, inquiry or other proceeding. Neither the Company nor any of its Subsidiaries is subject to any order, writ, judgment, injunction, decree, determination or award of any Governmental Entity.

(u) **Insurance.** The Company and each of its Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as management of the Company believes to be prudent and customary in the businesses in which the Company and its Subsidiaries are engaged. Neither the Company nor any such Subsidiary

has been refused any insurance coverage sought or applied for, and neither the Company nor any such Subsidiary has any reason to believe that it will be unable 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 at a cost that would not have a Material Adverse Effect.

(v) **Employee Relations.** Neither the Company nor any of its Subsidiaries is a party to any collective bargaining agreement or employs any member of a union. The Company and its Subsidiaries believe that their relations with their employees are good. No executive officer (as defined in Rule 501(f) promulgated under the 1933 Act) or other key employee of the Company or any of its Subsidiaries has notified the Company or any such Subsidiary that such officer intends to leave the Company or any such Subsidiary or otherwise terminate such officer's employment with the Company or any such Subsidiary. No current (or former) executive officer or other key employee of the Company or any of its Subsidiaries is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement, non-competition agreement, or any other contract or agreement or any restrictive covenant, and the continued employment of each such executive officer or other key employee (as the case may be) 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 federal, state, local and foreign laws and regulations respecting labor, employment and employment practices and benefits, terms and conditions of employment and wages and hours, except where failure to be in compliance would not, either individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

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(w) **Title.**

(i) **Real Property.** Each of the Company and its Subsidiaries holds good title to all real property, leases in real property, facilities or other interests in real property owned or held by the Company or any of its Subsidiaries (the "**Real Property**") owned by the Company or any of its Subsidiaries (as applicable). The Real Property is free and clear of all Liens and is not subject to any rights of way, building use restrictions, exceptions, variances, reservations, or limitations of any nature except for (a) Liens for current taxes not yet due and (b) zoning laws and other land use restrictions that do not impair the present or anticipated use of the property subject thereto. Any Real Property held under lease by the Company or any of its Subsidiaries are held by them under valid, subsisting and enforceable leases with such exceptions as are not material and do not interfere with the use made and proposed to be made of such property and buildings by the Company or any of its Subsidiaries.

(ii) **Fixtures and Equipment.** Except as set forth on Schedule 3(w)(ii) of the Disclosure Schedules, each of the Company and its Subsidiaries (as applicable) has good title to, or a valid leasehold interest in, the tangible personal property, equipment, improvements, fixtures, and other personal property and appurtenances that are used by the Company or its Subsidiary in connection with the conduct of its business (the "**Fixtures and Equipment**"). The Fixtures and Equipment are structurally sound, are in good operating condition and repair, are adequate for the uses to which they are being put, are not in need of maintenance or repairs except for ordinary, routine maintenance and repairs and are sufficient for the conduct of the Company's and/or its Subsidiaries' businesses (as applicable) in the manner as conducted prior to the Closing. Except as set forth on Schedule 3(w)(ii) of the Disclosure Schedules, each of the Company and its Subsidiaries owns all of its Fixtures and Equipment free and clear of all Liens except for (a) liens for current taxes not yet due and (b) zoning laws and other land use restrictions that do not impair the present or anticipated use of the property subject thereto.

(x) **Intellectual Property Rights.** To the Company's knowledge, the Company and its Subsidiaries own or possess adequate rights or licenses to use all trademarks, trade names, service marks, service mark registrations, service names, original works of authorship, patents, patent rights, copyrights, inventions, licenses, approvals, governmental authorizations, trade secrets and other intellectual property rights and all applications and registrations therefor ("**Intellectual Property Rights**") necessary to conduct their respective businesses as now conducted and presently proposed to be conducted. Each of patents owned by the Company or any of its Subsidiaries is listed on Schedule 3(x)(i) of the Disclosure Schedules. None of the Company's Intellectual Property Rights have expired or terminated or have been abandoned or are expected to expire or terminate or are expected to be abandoned, within three years from the date of this Agreement. Except as set forth on Schedule 3(x)(ii) of the Disclosure Schedules, the Company does not have any knowledge of any infringement by the Company or its Subsidiaries of Intellectual Property Rights of others. There is no claim, action or proceeding being made or brought, or to the knowledge of the Company or any of its Subsidiaries, being threatened, against the Company or any of its Subsidiaries regarding its Intellectual Property Rights. Neither the Company nor any of its Subsidiaries is aware of any facts or circumstances which might give rise to any of the foregoing infringements or claims, actions or proceedings. The Company and its Subsidiaries have taken reasonable security measures to protect the secrecy, confidentiality and value of all of their Intellectual Property Rights.

(y) **Environmental Laws.** (i) The Company and its Subsidiaries (A) are in compliance with any and all Environmental Laws (as defined below), (B) have received all permits, licenses or other approvals required of them under applicable Environmental Laws to conduct their respective businesses and (C) are in compliance with all terms and conditions of any such permit, license or approval where, in each of the foregoing clauses (A), (B) and (C), the failure to so comply could be reasonably expected to have, individually or in the aggregate, a Material Adverse Effect. The term "**Environmental Laws**" means all federal, state, local or foreign laws relating to pollution or protection of human health or the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata), including, without limitation, laws relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, or toxic or hazardous substances or wastes (collectively, "**Hazardous Materials**") into the environment, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials, as well as all authorizations, codes, decrees, demands or demand letters, injunctions, judgments, licenses, notices or notice letters, orders, permits, plans or regulations issued, entered, promulgated or approved thereunder.

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(i) **No Hazardous Materials:**

(A) have been disposed of or otherwise released from any Real Property of the Company or any of its Subsidiaries in violation of any Environmental Laws; or

(B) are present on, over, beneath, in or upon any Real Property or any portion thereof in quantities that would constitute a violation of any Environmental Laws. No prior use by the Company or any of its Subsidiaries of any Real Property has occurred that violates any Environmental Laws, which violation would have a material adverse effect on the business of the Company or any of its Subsidiaries.

(ii) Neither the Company nor any of its Subsidiaries knows of any other person who or entity which has stored, treated, recycled, disposed of or otherwise located on any Real Property any Hazardous Materials, including, without limitation, such substances as asbestos and polychlorinated biphenyls.

(iii) None of the Real Properties are on any federal or state "Superfund" list or Liability Information System ("**CERCLIS**") list or any state environmental agency list of sites under consideration for CERCLIS, nor subject to any environmental related Liens.

(z) **Subsidiary Rights.** The Company or one of its Subsidiaries has the unrestricted right to vote, and (subject to limitations imposed by applicable law) to receive dividends and distributions on, all capital securities of its Subsidiaries as owned by the Company or such Subsidiary.

(aa) **Tax Status.** The Company and each of its Subsidiaries (i) has timely made or filed all foreign, federal and state income and all other tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has timely 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, except those being contested in good faith and (iii) has set aside on its books provision reasonably adequate for the payment of all 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 and its Subsidiaries know of no basis for any such claim. The Company is not operated in such a manner as to qualify as a passive foreign investment company, as defined in Section 1297 of the Internal Revenue Code of 1986, as amended (the "**Code**"). The net operating loss carryforwards ("**NOLs**") for United States federal income tax purposes of the consolidated group of which the Company is the common parent, if any, shall not be adversely effected by the transactions contemplated hereby. The transactions contemplated hereby do not constitute an "ownership change" within the meaning of Section 382 of the Code, thereby preserving the Company's ability to utilize such NOLs.

(bb) Internal Accounting and Disclosure Controls. Except as set forth in the SEC Documents, the Company and each of its Subsidiaries maintains internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the 1934 Act) that is effective to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles, including 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 and liability accountability, (iii) access to assets or incurrence of liabilities is permitted only in accordance with management's general or specific authorization and (iv) the recorded accountability for assets and liabilities is compared with the existing assets and liabilities at reasonable intervals and appropriate action is taken with respect to any difference. The Company maintains disclosure controls and procedures (as such term is defined in Rule 13a-15(e) under the 1934 Act) that are effective in ensuring that information required to be disclosed by the Company in the reports that it files or submits under the 1934 Act is recorded, processed, summarized and reported, within the time periods specified in the rules and forms of the SEC, including, without limitation, controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the 1934 Act is accumulated and communicated to the Company's management, including its principal executive officer or officers and its principal financial officer or officers, as appropriate, to allow timely decisions regarding required disclosure. Neither the Company nor any of its Subsidiaries has received any notice or correspondence from any accountant, Governmental Entity or other Person relating to any potential material weakness or significant deficiency in any part of the internal controls over financial reporting of the Company or any of its Subsidiaries.

(cc) Off Balance Sheet Arrangements. There is no transaction, arrangement, or other relationship between the Company or any of its Subsidiaries and an unconsolidated or other off balance sheet entity that is required to be disclosed by the Company in its 1934 Act filings and is not so disclosed or that otherwise could be reasonably likely to have a Material Adverse Effect.

(dd) Investment Company Status. The Company is not, and upon consummation of the sale of the Securities will not be, an "investment company," an affiliate of an "investment company," a company controlled by an "investment company" or an "affiliated person" of, or "promoter" or "principal underwriter" for, an "investment company" as such terms are defined in the Investment Company Act of 1940, as amended.

(ee) Acknowledgement Regarding Buyers' Trading Activity. It is understood and acknowledged by the Company that (i) following the public disclosure of the transactions contemplated by the Transaction Documents, in accordance with the terms thereof, none of the Buyers have been asked by the Company or any of its Subsidiaries to agree, nor has any Buyer agreed with the Company or any of its Subsidiaries, to desist from effecting any transactions in or with respect to (including, without limitation, purchasing or selling, long and/or short) any securities of the Company, or "derivative" securities based on securities issued by the Company or to hold any of the Securities for any specified term; (ii) any Buyer, and counterparties in "derivative" transactions to which any such Buyer is a party, directly or indirectly, presently may have a "short" position in the Common Stock which was established prior to such Buyer's knowledge of the transactions contemplated by the Transaction Documents; (iii) each Buyer shall not be deemed to have any affiliation with or control over any arm's length counterparty in any "derivative" transaction; and (iv) each Buyer may rely on the Company's obligation to timely deliver shares of Common Stock upon conversion or exchange, as applicable, of the Securities as and when required pursuant to the Transaction Documents for purposes of effecting trading in the Common Stock of the Company. The Company further understands and acknowledges that following the public disclosure of the transactions contemplated by the Transaction Documents pursuant to the Press Release (as defined below) one or more Buyers may engage in hedging and/or trading activities (including, without limitation, the location and/or reservation of borrowable shares of Common Stock) at various times during the period that the Securities are outstanding, including, without limitation, during the periods that the value and/or number of the Conversion Shares and Warrant Shares deliverable with respect to the Securities are being determined and such hedging and/or trading activities (including, without limitation, the location and/or reservation of borrowable shares of Common Stock), if any, can reduce the value of the existing stockholders' equity interest in the Company both at and after the time the hedging and/or trading activities are being conducted. The Company acknowledges that such aforementioned hedging and/or trading activities do not constitute a breach of this Agreement, the Notes, the Warrants, or any other Transaction Document or any of the documents executed in connection herewith or therewith.

(ff) Manipulation of Price. Neither the Company nor any of its Subsidiaries has, and, to the knowledge of the Company, no Person acting on their behalf has, directly or indirectly, (i) taken any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company or any of its Subsidiaries to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or paid any compensation for soliciting purchases of, any of the Securities (other than the Placement Agent), (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company or any of its Subsidiaries or (iv) paid or agreed to pay any Person for research services with respect to any securities of the Company or any of its Subsidiaries.

(gg) Intentionally Omitted

(hh) Registration Eligibility. The Company is currently eligible to register the Conversion Shares and Warrant Shares (the "**Registrable Securities**") for resale by the Buyers using Form S-1 promulgated under the 1933 Act.

(ii) Transfer Taxes. On the Closing Date, all stock transfer or other taxes (other than income or similar taxes) which are required to be paid in connection with the issuance, sale and transfer of the Securities to be sold to each Buyer hereunder will be, or will have been, fully paid or provided for by the Company, and all laws imposing such taxes will be or will have been complied with.

(jj) Bank Holding Company Act. Neither the Company nor any of its Subsidiaries 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 (25%) 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.

(kk) Shell Company Status. The Company is not, and has not within the past three (3) years been, an issuer identified in, or subject to, Rule 144(i).

(ll) Illegal or Unauthorized Payments; Political Contributions; OFAC. Neither the Company nor any of its Subsidiaries nor, to the best of the Company's knowledge (after reasonable inquiry of its officers and directors), any of the officers, directors, employees, agents or other representatives of the Company or any of its Subsidiaries or any other business entity or enterprise with which the Company or any Subsidiary is or has been affiliated or associated, has, directly or indirectly, made or authorized any payment, contribution or gift of money, property, or services, whether or not in contravention of applicable law, (i) as a kickback or bribe to any Person or (ii) to any political organization, or the holder of or any aspirant to any elective or appointive public office except for personal political contributions not involving the direct or indirect use of funds of the Company or any of its Subsidiaries. Neither the Company nor any of its Subsidiaries, nor any director, officer, or employee thereof, nor, to the Company's knowledge, any agent, affiliate or representative of the Company, is a Person that is, or is owned or controlled by a Person that is (i) the subject of any sanctions administered or enforced by the U.S. Department of Treasury's Office of Foreign Assets Control, the United Nations Security Council, the European Union, Her Majesty's Treasury, or other relevant sanctions authority (collectively, "**Sanctions**"), nor (ii) located, organized or resident in a country or territory that is the subject of Sanctions (including, without limitation, Russia, Crimea, Cuba, Iran, North Korea, Sudan and Syria). Neither the Company nor any of its Subsidiaries will, directly or indirectly, use the proceeds from the sale of Securities under this Agreement, or lend, contribute or otherwise make available such proceeds to any Subsidiary, joint venture partner or other Person (a) to fund or facilitate any activities or business of or with any Person or in any country or territory that, at the time of such funding or facilitation, is the subject of Sanctions, or (b) in any other manner that will result in a violation of Sanctions by any Person (including any Person participating in the offering, whether as underwriter, advisor, investor or otherwise). During the past five years, neither the Company nor any of its Subsidiaries have knowingly engaged in, or are now knowingly engaged in, any dealings or transactions with any Person, or in any country or territory, that at the time of the dealing or transaction is or was the subject of Sanctions.

(mm) Money Laundering. The Company and its Subsidiaries are in compliance with, and have not previously violated, the USA Patriot Act of 2001 and all other applicable U.S. and non-U.S. anti-money laundering laws and regulations, including, without limitation, the laws, regulations and Executive Orders and sanctions programs administered by the U.S. Office of

(nn) Management. During the past five-year period, no current or former officer or director or, to the knowledge of the Company, no current ten percent (10%) or greater stockholder of the Company or any of its Subsidiaries has been the subject of:

(i) a petition under bankruptcy laws or any other insolvency or moratorium law or the appointment by a court of a receiver, fiscal agent or similar officer for such Person, or any partnership in which such person was a general partner at or within two years before the filing of such petition or such appointment, or any corporation or business association of which such person was an executive officer at or within two years before the time of the filing of such petition or such appointment;

(ii) a conviction in a criminal proceeding or a named subject of a pending criminal proceeding (excluding traffic violations that do not relate to driving while intoxicated or driving under the influence);

(iii) any order, judgment or decree, not subsequently reversed, suspended or vacated, of any court of competent jurisdiction, permanently or temporarily enjoining any such person from, or otherwise limiting, the following activities:

(A) Acting as a futures commission merchant, introducing broker, commodity trading advisor, commodity pool operator, floor broker, leverage transaction merchant, any other person regulated by the United States Commodity Futures Trading Commission or an associated person of any of the foregoing, or as an investment adviser, underwriter, broker or dealer in securities, or as an affiliated person, director or employee of any investment company, bank, savings and loan association or insurance company, or engaging in or continuing any conduct or practice in connection with such activity;

(B) Engaging in any particular type of business practice; or

(C) Engaging in any activity in connection with the purchase or sale of any security or commodity or in connection with any violation of securities laws or commodities laws;

(iv) any order, judgment or decree, not subsequently reversed, suspended or vacated, of any authority barring, suspending or otherwise limiting for more than sixty (60) days the right of any such person to engage in any activity described in the preceding sub paragraph, or to be associated with persons engaged in any such activity;

(v) a finding by a court of competent jurisdiction in a civil action or by the SEC or other authority to have violated any securities law, regulation or decree and the judgment in such civil action or finding by the SEC or any other authority has not been subsequently reversed, suspended or vacated; or

(vi) a finding by a court of competent jurisdiction in a civil action or by the Commodity Futures Trading Commission to have violated any federal commodities law, and the judgment in such civil action or finding has not been subsequently reversed, suspended or vacated.

(oo) Equity Plans. Each stock option, share of restricted Common Stock and other Convertible Security granted and issued by the Company pursuant to an Approved Stock Plan was granted (i) in accordance with the terms of the applicable Approved Stock Plan and (ii) with an exercise, settlement or share price at least equal to the fair market value of the Common Stock on the date such grant would be considered granted under GAAP and applicable law. No equity grant granted under an Approved Plan has been backdated. The Company has not knowingly granted, and there is no and has been no policy or practice of the Company to knowingly grant, stock options or other equity grants prior to, or otherwise knowingly coordinate such grants with, the release or other public announcement of material information regarding the Company or its Subsidiaries or their financial results or prospects.

(pp) No Disagreements with Accountants and Lawyers. There are no material disagreements of any kind presently existing, or reasonably anticipated by the Company to arise, between the Company and the accountants and lawyers formerly or presently employed by the Company and the Company is current with respect to any fees owed to its accountants and lawyers which could affect the Company's ability to perform any of its obligations under any of the Transaction Documents. In addition, on or prior to the date hereof, the Company had discussions with its accountants about its financial statements previously filed with the SEC. Based on those discussions, the Company has no reason to believe that it will need to restate any such financial statements or any part thereof.

(qq) No Disqualification Events. With respect to Securities to be offered and sold hereunder in reliance on Rule 506(b) under the 1933 Act (“**Regulation D Securities**”), none of the Company, any of its predecessors, any affiliated issuer, any director, executive officer, other officer of the Company participating in the offering contemplated hereby, any beneficial owner of 20% or more of the Company's outstanding voting equity securities, calculated on the basis of voting power, nor any promoter (as that term is defined in Rule 405 under the 1933 Act) connected with the Company in any capacity at the time of sale (each, an “**Issuer Covered Person**” and, together, “**Issuer Covered Persons**”) is subject to any of the “Bad Actor” disqualifications described in Rule 506(d)(1)(i) to (viii) under the 1933 Act (a “**Disqualification Event**”), except for a Disqualification Event covered by Rule 506(d)(2) or (d)(3). The Company has exercised reasonable care to determine whether any Issuer Covered Person is subject to a Disqualification Event. The Company has complied, to the extent applicable, with its disclosure obligations under Rule 506(e), and has furnished to the Buyers a copy of any disclosures provided thereunder.

(rr) Other Covered Persons. The Company is not aware of any Person (other than the Placement Agent) that has been or will be paid (directly or indirectly) remuneration for solicitation of Buyers or potential purchasers in connection with the sale of any Regulation D Securities.

(ss) No Additional Agreements. The Company does not have any agreement or understanding with any Buyer with respect to the transactions contemplated by the Transaction Documents other than as specified in the Transaction Documents.

(tt) Ranking of Notes. No Indebtedness of the Company, at the Closing, will be senior to, or *pari passu* with, the Notes in right of payment, whether with respect to payment or redemptions, interest, damages, upon liquidation or dissolution or otherwise.

(uu) Cybersecurity. To the Company's knowledge, the Company and its Subsidiaries' information technology assets and equipment, computers, systems, networks, hardware, software, websites, applications, and databases (collectively, “**IT Systems**”) are adequate for, and operate and perform in all material respects as required in connection with the operation of the business of the Company and its subsidiaries as currently conducted, free and clear of all material bugs, errors, defects, Trojan horses, time bombs, malware and other corruptants that would reasonably be expected to have a Material Adverse Effect on the Company's business. The Company and its Subsidiaries have implemented and maintained commercially reasonable physical, technical and administrative controls, policies, procedures, and safeguards to maintain and protect their material confidential information and the integrity, continuous operation, redundancy and security of all IT Systems and data, including “Personal Data,” used in connection with their businesses. “**Personal Data**” means (i) a natural person's name, street address, telephone number, e-mail address, photograph, social security number or tax identification number, driver's license number, passport number, credit card number, bank information, or customer or account number; (ii) any information which would qualify as “personally identifying information” under the Federal Trade Commission Act, as amended; (iii) “personal data” as defined by the European Union General Data Protection Regulation (“**GDPR**”) (EU 2016/679); (iv) any information which would qualify as “protected health information” under the Health Insurance Portability and Accountability Act of 1996, as amended by the Health Information Technology for Economic and Clinical Health Act (collectively, “**HIPAA**”); and (v) any other piece of information that allows the identification of such natural person, or his or her family, or permits the collection or analysis of any data related to an identified person's health or sexual orientation. There have been no breaches, violations, outages or unauthorized uses of or accesses to same, except for those that have been remedied without material cost or liability or the duty to notify any other person or such, nor any incidents under internal review or investigations relating to the same except in each case, where such would not, either individually or in the

aggregate, reasonably be expected to result in a Material Adverse Effect. The Company and its Subsidiaries are presently in compliance with all applicable laws or statutes and all judgments, orders, rules and regulations of any court or arbitrator or governmental or regulatory authority, internal policies and contractual obligations relating to the privacy and security of IT Systems and Personal Data and to the protection of such IT Systems and Personal Data from unauthorized use, access, misappropriation or modification except in each case, where such would not, either individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect.

(vv) **Compliance with Data Privacy Laws.** The Company and its Subsidiaries are, and at all prior times were, in compliance with all applicable state and federal data privacy and security laws and regulations, including without limitation HIPAA, and the Company and its Subsidiaries have taken commercially reasonable actions to prepare to comply with, and since May 25, 2018, have been and currently are in compliance with, the GDPR (EU 2016/679) (collectively, the “**Privacy Laws**”) except in each case, where such would not, either individually or in the aggregate, reasonably be expected to result in a Material Adverse Effect. To ensure compliance with the Privacy Laws, the Company and its Subsidiaries have in place, comply with, and take appropriate steps reasonably designed to ensure compliance in all material respects with their policies and procedures relating to data privacy and security and the collection, storage, use, disclosure, handling, and analysis of Personal Data (the “**Policies**”). The Company and its Subsidiaries have at all times made all disclosures to users or customers required by applicable laws and regulatory rules or requirements, and none of such disclosures made or contained in any Policy have, to the knowledge of the Company, been inaccurate or in violation of any applicable laws and regulatory rules or requirements in any material respect. The Company further certifies that neither it nor any Subsidiary: (i) has received notice of any actual or potential liability under or relating to, or actual or potential violation of, any of the Privacy Laws, and has no knowledge of any event or condition that would reasonably be expected to result in any such notice; (ii) is currently conducting or paying for, in whole or in part, any investigation, remediation, or other corrective action pursuant to any Privacy Law; or (iii) is a party to any order, decree, or agreement that imposes any obligation or liability under any Privacy Law.

(ww) **Disclosure.** The Company confirms that neither it nor any other Person acting on its behalf has provided any of the Buyers or their agents or counsel with any information that constitutes or could reasonably be expected to constitute material, non-public information concerning the Company or any of its Subsidiaries, other than the existence of the transactions contemplated by this Agreement and the other Transaction Documents. The Company understands and confirms that each of the Buyers will rely on the foregoing representations in effecting transactions in securities of the Company. All disclosure provided to the Buyers regarding the Company and its Subsidiaries, their businesses and the transactions contemplated hereby, including the schedules to this Agreement, furnished by or on behalf of the Company or any of its Subsidiaries 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 the light of the circumstances under which they were made, not misleading. All of the written information furnished after the date hereof by or on behalf of the Company or any of its Subsidiaries to each Buyer pursuant to or in connection with this Agreement and the other Transaction Documents, taken as a whole, will be true and correct in all material respects as of the date on which such information is so provided and will 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 the light of the circumstances under which they were made, not misleading. Each press release issued by the Company or any of its Subsidiaries during the twelve (12) months preceding the date of this Agreement did not at the time of release 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 the light of the circumstances under which they are made, not misleading. No event or circumstance has occurred or information exists with respect to the Company or any of its Subsidiaries or its or their business, properties, liabilities, prospects, operations (including results thereof) or conditions (financial or otherwise), which, under applicable law, rule or regulation, requires public disclosure at or before the date hereof or announcement by the Company but which has not been so publicly disclosed. All financial projections and forecasts that have been prepared by or on behalf of the Company or any of its Subsidiaries and made available to you have been prepared in good faith based upon reasonable assumptions and represented, at the time each such financial projection or forecast was delivered to each Buyer, the Company’s best estimate of future financial performance (it being recognized that such financial projections or forecasts are not to be viewed as facts and that the actual results during the period or periods covered by any such financial projections or forecasts may differ from the projected or forecasted results). The Company acknowledges and agrees that no Buyer makes or has made any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in Section 2.

4. COVENANTS.

(a) **Best Efforts.** Each Buyer shall use its best efforts to timely satisfy each of the covenants hereunder and conditions to be satisfied by it as provided in Section 6 of this Agreement. The Company shall use its best efforts to timely satisfy each of the covenants hereunder and conditions to be satisfied by it as provided in Section 7 of this Agreement.

(b) **Form D and Blue Sky.** The Company shall file a Form D with respect to the Securities as required under Regulation D. The Company shall, on or before the Closing Date, take such action as the Company shall reasonably determine is necessary in order to obtain an exemption for, or to, qualify the Securities for sale to the Buyers at such Closing pursuant to this Agreement under applicable securities or “Blue Sky” laws of the states of the United States (or to obtain an exemption from such qualification), and shall provide evidence of any such action so taken to the Buyers on or prior to such Closing Date. Without limiting any other obligation of the Company under this Agreement, the Company shall timely make all filings and reports relating to the offer and sale of the Securities required under all applicable securities laws (including, without limitation, all applicable federal securities laws and all applicable “Blue Sky” laws), and the Company shall comply with all applicable foreign, federal, state and local laws, statutes, rules, regulations and the like relating to the offering and sale of the Securities to the Buyers.

(c) **Reporting Status.** Until the date on which the Buyers shall have sold all of the Registrable Securities (the “**Reporting Period**”), the Company shall use its commercially reasonable efforts to timely file all reports required to be filed with the SEC pursuant to the 1934 Act, and the Company shall not terminate its status as an issuer required to file reports under the 1934 Act even if the 1934 Act or the rules and regulations thereunder would no longer require or otherwise permit such termination provided, however, that such provision shall not prevent a sale, merger or similar transaction involving the Company. F

(d) **Use of Proceeds.** The Company will use the proceeds from the sale of the Securities as described on Schedule 4(d), but not, directly or indirectly, for (i) the satisfaction of any indebtedness of the Company or any of its Subsidiaries other than equipment lease payments, (ii) except as set forth on Schedule 4(d), the redemption or repurchase of any securities of the Company or any of its Subsidiaries, or (iii) the settlement of any outstanding litigation.

(e) **Financial Information.** The Company agrees to send the following to each Buyer during the Reporting Period upon request (i) unless the following are filed with the SEC through EDGAR and are available to the public through the EDGAR system, within one (1) Business Day after the filing thereof with the SEC, a copy of its Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q, any interim reports or any consolidated balance sheets, income statements, stockholders’ equity statements and/or cash flow statements for any period other than annual, any Current Reports on Form 8-K and any registration statements (other than on Form S-8) or amendments filed pursuant to the 1933 Act, (ii) unless the following are either filed with the SEC through EDGAR or are otherwise widely disseminated via a recognized news release service (such as PR Newswire), on the same day as the release thereof, e-mail copies of all press releases issued by the Company or any of its Subsidiaries and (iii) unless the following are filed with the SEC through EDGAR, copies of any notices and other information made available or given to the stockholders of the Company generally, contemporaneously with the making available or giving thereof to the stockholders.

(f) **Listing.** The Company shall promptly secure the listing or designation for quotation (as the case may be) of all of the Registrable Securities upon each national securities exchange and automated quotation system, if any, upon which the Common Stock is then listed or designated for quotation (as the case may be) (subject to official notice of issuance) and shall maintain such listing or designation for quotation (as the case may be) of all Registrable Securities from time to time issuable under the terms of the Transaction Documents on such national securities exchange or automated quotation system. The Company shall maintain the Common Stock’s listing or authorization for quotation (as the case may be) on the Principal Market, The New York Stock Exchange, the NYSE American LLC, the Nasdaq Global Market or the Nasdaq Global Select Market (each, an “**Eligible Market**”) provided, however, that such provision shall not prevent a sale, merger or similar transaction involving the Company. Neither the Company nor any of its Subsidiaries shall take any action which could be reasonably expected to result in the delisting or suspension of the Common Stock on an Eligible Market provided, however, that such provision shall not prevent a sale, merger or similar transaction involving the Company. The Company shall pay all fees and expenses in connection with satisfying its obligations under this Section 4(f).

(g) Fees. The Company shall reimburse the Buyers for all costs and expenses incurred by it or its affiliates in connection with the structuring, documentation, negotiation and closings of the transactions contemplated by the Transaction Documents (including, without limitation, as applicable, all reasonable legal fees of outside counsel and disbursements of Sullivan & Worcester LLP, counsel to the Buyers, any other reasonable fees and expenses in connection with the structuring, documentation, negotiation and closings of the transactions contemplated by the Transaction Documents and due diligence and regulatory filings in connection therewith) up to \$50,000 (the “**Transaction Expenses**”) and shall be withheld by the Buyers from its Purchase Price at the Closing. The Company shall be responsible for the payment of any placement agent’s fees, financial advisory fees, transfer agent fees, DTC (as defined below) fees or broker’s commissions (other than for Persons engaged by any Buyer) relating to or arising out of the transactions contemplated hereby (including, without limitation, any fees or commissions payable to the Placement Agent, who is the Company’s sole placement agent in connection with the transactions contemplated by this Agreement). The Buyer acknowledges that other than ThinkEquity, it knows of no placement agent or broker that has been engaged with respect to the transaction. The Company shall pay, and hold each Buyer harmless against, any liability, loss or expense (including, without limitation, reasonable attorneys’ fees and out-of-pocket expenses) arising in connection with any claim relating to any such payment. Except as otherwise set forth in the Transaction Documents, each party to this Agreement shall bear its own expenses in connection with the sale of the Securities to the Buyers.

(h) Pledge of Securities. Notwithstanding anything to the contrary contained in this Agreement, the Company acknowledges and agrees that the Securities may be pledged by a Buyer in connection with a bona fide margin agreement or other loan or financing arrangement that is secured by the Securities. The pledge of Securities shall not be deemed to be a transfer, sale or assignment of the Securities hereunder, and no Buyer effecting a pledge of Securities shall be required to provide the Company with any notice thereof or otherwise make any delivery to the Company pursuant to this Agreement or any other Transaction Document, including, without limitation, Section 2(g) hereof; provided that a Buyer and its pledgee shall be required to comply with the provisions of Section 2(g) hereof in order to effect a sale, transfer or assignment of Securities to such pledgee. The Company hereby agrees to execute and deliver such documentation as a pledgee of the Securities may reasonably request in connection with a pledge of the Securities to such pledgee by a Buyer.

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(i) Disclosure of Transactions and Other Material Information.

(i) Disclosure of Transaction. The Company shall, on or before 9:00 a.m., New York time, on the first (1st) Business Day after the date of this Agreement, issue a press release (the “**Press Release**”) reasonably acceptable to the Buyers disclosing all the material terms of the transactions contemplated by the Transaction Documents. On or before 9:00 a.m., New York time, on the first (1st) Business Day after the date of this Agreement, the Company shall file a Current Report on Form 8-K describing all the material terms of the transactions contemplated by the Transaction Documents in the form required by the 1934 Act and attaching all the material Transaction Documents (including, without limitation, this Agreement (and all schedules to this Agreement), the form of Notes, the form of Warrants and the form of Voting Agreement) (including all attachments, the “**8-K Filing**”). From and after the filing of the 8-K Filing, the Company shall have disclosed all material, non-public information (if any) provided to any of the Buyers 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. In addition, effective upon the filing of the 8-K Filing, the Company acknowledges and agrees that any and all confidentiality or similar obligations under any agreement, whether written or oral, between the Company, any of its Subsidiaries or any of their respective officers, directors, affiliates, employees or agents, on the one hand, and any of the Buyers or any of their affiliates, on the other hand, shall terminate.

(ii) Limitations on Disclosure. The Company shall not, and the Company shall cause each of its Subsidiaries and each of its and their respective officers, directors, employees and agents not to unless consented to by Buyer, provide any Buyer with any material, non-public information regarding the Company or any of its Subsidiaries from and after the date hereof without the express prior written consent of such Buyer (which may be granted or withheld in such Buyer’s sole discretion). In the event of a breach of any of the foregoing covenants or any of the covenants or agreements contained in any other Transaction Document, by the Company, any of its Subsidiaries, or any of its or their respective officers, directors, employees and agents (as determined in the reasonable good faith judgment of such Buyer), in addition to any other remedy provided herein or in the Transaction Documents, such Buyer shall have the right to make a public disclosure, in the form of a press release, public advertisement or otherwise, of such breach or such material, non-public information, as applicable, without the prior approval by the Company, any of its Subsidiaries, or any of its or their respective officers, directors, employees or agents. No Buyer shall have any liability to the Company, any of its Subsidiaries, or any of its or their respective officers, directors, employees, affiliates, stockholders or agents, for any such disclosure. To the extent that the Company delivers any material, non-public information to a Buyer without such Buyer’s consent, the Company hereby covenants and agrees that such Buyer shall not have any duty of confidentiality with respect to, or a duty not to trade on the basis of, such material, non-public information. Subject to the foregoing, neither the Company, its Subsidiaries nor any Buyer shall issue any press releases or any other public statements with respect to the transactions contemplated hereby; provided, however, the Company shall be entitled, without the prior approval of any Buyer, to make the Press Release and any press release or other public disclosure with respect to such transactions (i) in substantial conformity with the 8-K Filing and contemporaneously therewith and (ii) as is required by applicable law and regulations (provided that in the case of clause (i) each Buyer shall be consulted by the Company in connection with any such press release or other public disclosure prior to its release). Without the prior written consent of the applicable Buyer (which may be granted or withheld in such Buyer’s sole discretion), the Company shall not (and shall cause each of its Subsidiaries and affiliates to not) disclose the name of such Buyer in any filing, announcement, release or otherwise. Notwithstanding anything contained in this Agreement to the contrary and without implication that the contrary would otherwise be true, the Company expressly acknowledges and agrees that no Buyer shall have (unless expressly agreed to by a particular Buyer after the date hereof in a written definitive and binding agreement executed by the Company and such particular Buyer (it being understood and agreed that no Buyer may bind any other Buyer with respect thereto)), any duty of confidentiality with respect to, or a duty not to trade on the basis of, any material, non-public information regarding the Company or any of its Subsidiaries.

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(j) Reservation of Shares. So long as any of the Notes and Warrants remain outstanding, the Company shall take all action necessary to at all times have authorized, and reserved for the purpose of issuance, no less than 100% of the aggregate maximum number of shares of Common Stock issuable upon (i) conversion of all the Notes then outstanding (assuming for purposes hereof that (x) the Notes are convertible at the Conversion Price (as defined in the Notes), (y) interest on the Notes shall accrue through the third anniversary of the Closing Date and will be paid as set forth in the Notes and (z) any such conversion shall not take into account any limitations on the conversion of the Notes set forth in the Notes) and (ii) Warrant Shares issuable upon exercise of the Warrants (assuming for purposes hereof that any such exercise shall not take into account any limitations on the exercise of the Warrants set forth in the Warrants) (collectively, the “**Required Reserve Amount**”); provided that at no time shall the number of shares of Common Stock reserved pursuant to this Section 4(l) be reduced other than proportionally in connection with any conversion, exercise and/or redemption, as applicable of Notes or Warrants. If at any time the number of shares of Common Stock authorized and reserved for issuance is not sufficient to meet the Required Reserve Amount, the Company will promptly take all corporate action necessary to authorize and reserve a sufficient number of shares of Common Stock, including, without limitation, calling a special meeting of stockholders to authorize additional shares of Common Stock to meet the Company’s obligations pursuant to the Transaction Documents, in the case of an insufficient number of authorized shares of Common Stock, obtain stockholder approval of an increase in such authorized number of shares, and voting the management shares of the Company in favor of an increase in the authorized shares of Common Stock to ensure that the number of authorized shares of Common Stock is sufficient to meet the Required Reserve Amount.

(k) Conduct of Business. The business of the Company and its Subsidiaries shall not be conducted in violation of any law, ordinance or regulation of any Governmental Entity, except where such violations would not reasonably be expected to result, either individually or in the aggregate, in a Material Adverse Effect.

(l) Other Notes: Variable Securities. For a period of twelve (12) months following the Closing Date, the Company and each Subsidiary shall be prohibited from effecting or entering into an agreement to effect any Subsequent Placement involving a Variable Rate Transaction. “**Subsequent Placement**” means any issuance, offer, sale, granting any option or right to purchase, or other disposition of (or any announcement of any issuance, offer, sale, grant of any option or right to purchase or other disposition of) any equity security, any equity-linked or related security, any “equity security” (as that term is defined under Rule 405 promulgated under the 1933 Act), any Convertible Securities, any debt, any preferred stock or any purchase rights occurring after the Closing Date. “**Variable Rate Transaction**” means a transaction in which the Company or any Subsidiary (i) issues or sells any Convertible Securities either (A) at a conversion, exercise or exchange rate or other price that is based upon and/or varies with the trading prices of or quotations for the shares of Common Stock at any time after the initial issuance of such Convertible Securities, or (B) with a conversion, exercise or exchange price that is subject to being reset at some future date after the initial issuance of such Convertible Securities or upon the occurrence of specified or contingent events directly or indirectly related to the business of the Company or the market for the Common Stock, other than pursuant to a

customary “weighted average” anti-dilution provision or (ii) enters into any agreement (including, without limitation, an equity line of credit whereby the Company or any Subsidiary may sell securities at a future determined price (other than standard and customary “preemptive” or “participation” rights). Each Buyer shall be entitled to obtain injunctive relief against the Company and its Subsidiaries to preclude any such issuance, which remedy shall be in addition to any right to collect damages. Notwithstanding anything to the contrary in this section, the Company may enter into an equity line of credit with [] or its affiliates.

(m) Restriction on Redemption and Cash Dividends. So long as any Notes and Warrants are outstanding, the Company shall not, directly or indirectly, redeem, or declare or pay any cash dividend or distribution on, any securities of the Company without the prior express written consent of the Buyers other than cash payments for fractional shares.

(n) Corporate Existence. So long as any Buyer beneficially owns any Notes or Warrants, the Company shall not be party to any Fundamental Transaction (as defined in the Notes) unless the Company is in compliance with the applicable provisions governing Fundamental Transactions set forth in the Notes and Warrants.

(o) Conversion Procedures. Each of the form of Conversion Notice and Exercise Notice (as defined in the Notes and Warrants, respectively) included in the Notes and Warrants set forth the totality of the procedures required of the Buyers in order to convert the Notes and exercise the Warrants. Except as provided in Section 5(d), no additional legal opinion, other information or instructions shall be required of the Buyers to convert their Notes or exercise their Warrants. The Company shall honor conversions of the Notes and exercises of the Warrants and shall deliver the Conversion Shares and Warrant Shares in accordance with the terms, conditions and time periods set forth in the Notes and Warrants.

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(p) Regulation M. The Company will not take any action prohibited by Regulation M under the 1934 Act, in connection with the distribution of the Securities contemplated hereby.

(q) Integration. None of the Company, any of its affiliates (as defined in Rule 501(b) under the 1933 Act), or any person acting on behalf of the Company or such affiliate will sell, offer for sale, or solicit offers to buy or otherwise negotiate in respect of any security (as defined in the 1933 Act) which will be integrated with the sale of the Securities in a manner which would require the registration of the Securities under the 1933 Act or require stockholder approval under the rules and regulations of the Principal Market and the Company will take all action that is appropriate or necessary to assure that its offerings of other securities will not be integrated for purposes of the 1933 Act or the rules and regulations of the Principal Market, with the issuance of Securities contemplated hereby.

(r) Stockholder Approval. The Company shall either (x) if the Company shall have obtained the prior written consent of the requisite stockholders (the “**Stockholder Consent**”) to obtain the Stockholder Approval (as defined below), inform the stockholders of the Company of the receipt of the Stockholder Consent by preparing and filing with the SEC, as promptly as practicable after the date hereof, but prior to the seventy-fifth (75th) calendar day after the Closing Date (or, if such filing is delayed by a court or regulatory agency, in no event later than ninety (90) calendar days after the Closing Date), an information statement with respect thereto or (y) provide each stockholder entitled to vote at a special or annual meeting of stockholders of the Company (the “**Stockholder Meeting**”) for the purpose of approving the issuance of in excess of 19.99% of the Company’s outstanding shares of Common Stock pursuant to the Transaction Documents, which shall be promptly called and held not later than March 31, 2025 (the “**Stockholder Meeting Deadline**”), a proxy statement, in each case, in a form reasonably acceptable to the Buyers and Sullivan & Worcester LLP, at the expense of the Company. The proxy statement, if any, shall solicit each of the Company’s stockholder’s affirmative vote at the Stockholder Meeting for approval of resolutions (“**Stockholder Resolutions**”) providing for the approval of the issuance of all of the Securities in compliance with the rules and regulations of the Principal Market (without regard to any limitations on conversion set forth in the Notes) (such affirmative approval being referred to herein as the “**Stockholder Approval**”), and the date such Stockholder Approval is obtained, the “**Stockholder Approval Date**”), and the Company shall use its commercially reasonable efforts to solicit its stockholders’ approval of such resolutions and to cause the Board of Directors of the Company to recommend to the stockholders that they approve such resolutions. The Company shall be obligated to seek to obtain the Stockholder Approval by the Stockholder Meeting Deadline. If, despite the Company’s commercially reasonable efforts the Stockholder Approval is not obtained on or prior to the Stockholder Meeting Deadline, the Company shall cause an additional Stockholder Meeting to be held on or prior to July 1, 2025. If, despite the Company’s reasonable best efforts the Stockholder Approval is not obtained after such subsequent stockholder meetings, the Company shall cause an additional Stockholder Meeting to be held every three (3) months thereafter until such Stockholder Approval is obtained.

(s) Closing Documents. On or prior to fourteen (14) calendar days after the Closing Date, the Company agrees to deliver, or cause to be delivered, to each Buyer and Sullivan & Worcester LLP a complete closing set of the executed Transaction Documents, Securities and any other document required to be delivered to any party pursuant to Section 7 hereof or otherwise.

(t) Registration Statement. As soon as practicable (and in any event within 30 calendar days of the Closing Date), the Company shall file a registration statement on Form S-1 providing for the resale by the Buyers of the Conversion Shares and the Warrants Shares issued and issuable upon conversion of the Notes and exercise of the Warrants, respectively. The Company shall use commercially reasonable efforts to cause such registration statement to become effective within 75 days following the Closing Date (or within 135 calendar days if the SEC has elected to review such registration statement or provides written or oral comments to such registration statement) and to keep such registration statement effective for one year after its effectiveness.

(u) Blank Rome Opinion. With 15 days after the Closing Date, the Company shall cause its counsel Blank Rome LLP to deliver to each Buyer an opinion with respect to the Security Agreement and the Subsidiary Guarantee in a form reasonably acceptable to such Buyer.

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5. REGISTER; TRANSFER AGENT INSTRUCTIONS; LEGEND.

(a) Register. The Company shall maintain at its principal executive offices (or such other office or agency of the Company as it may designate by notice to each holder of Securities), a register for the Notes and Warrants in which the Company shall record the name and address of the Person in whose name the Notes and Warrants have been issued (including the name and address of each transferee), the principal amount of the Notes and Warrants held by such Person and the number of Conversion Shares issuable pursuant to the terms of the Notes and the number of Warrant Shares exercisable pursuant to the terms of the Warrants. The Company shall keep the register open and available at all times during business hours for inspection of any Buyer or its legal representatives.

(b) Transfer Agent Instructions. The Company shall issue irrevocable instructions to its transfer agent and any subsequent transfer agent (as applicable, the “**Transfer Agent**”) in a form acceptable to each of the Buyers (the “**Irrevocable Transfer Agent Instructions**”) to issue certificates or credit shares to the applicable balance accounts at The Depository Trust Company (“**DTC**”), registered in the name of each Buyer or its respective nominee(s), for the Conversion Shares and Warrant Shares in such amounts as specified from time to time by each Buyer to the Company upon conversion of the Notes and exercise of the Warrants. The Company represents and warrants that no instruction other than the Irrevocable Transfer Agent Instructions referred to in this Section 5(b), and stop transfer instructions to give effect to Section 2(g) hereof, will be given by the Company to its transfer agent with respect to the Securities, and that the Securities shall otherwise be freely transferable on the books and records of the Company, as applicable, to the extent provided in this Agreement and the other Transaction Documents. If a Buyer effects a sale, assignment or transfer of the Securities in accordance with Section 2(g), the Company shall permit the transfer and shall promptly instruct its transfer agent to issue one or more certificates or credit shares to the applicable balance accounts at DTC in such name and in such denominations as specified by such Buyer to effect such sale, transfer or assignment. In the event that such sale, assignment or transfer involves Conversion Shares or Warrant Shares sold, assigned or transferred pursuant to an effective registration statement or in compliance with Rule 144, the transfer agent shall issue such shares to such Buyer, assignee or transferee (as the case may be) without any restrictive legend in accordance with Section 5(d) below. The Company acknowledges that a breach by it of its obligations hereunder will cause irreparable harm to a Buyer. Accordingly, the Company acknowledges that the remedy at law for a breach of its obligations under this Section 5(b) will be inadequate and agrees, in the event of a breach or threatened breach by the Company of the provisions of this Section 5(b), that a Buyer shall be entitled, in addition to all other available remedies, to an order and/or injunction restraining any breach and requiring immediate issuance and transfer, without the necessity of showing economic loss and without any bond or other security being required. The Company shall cause its counsel to issue the legal opinion referred to in the Irrevocable Transfer Agent Instructions to the Company’s transfer agent on each Effective Date of the registration statement referred to in Section 4(t) of this Agreement. Any fees

(with respect to the transfer agent, counsel to the Company or otherwise) associated with the issuance of such opinion or the removal of any legends on any of the Securities shall be borne by the Company.

(c) **Legends.** Each Buyer understands that the Securities have been issued (or will be issued in the case of the Conversion Shares or Warrant Shares) pursuant to an exemption from registration or qualification under the 1933 Act and applicable state securities laws, and except as set forth below, the Securities shall bear any legend as required by the “blue sky” laws of any state and a restrictive legend in substantially the following form (and a stop-transfer order may be placed against transfer of such stock certificates):

[NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES [INTO][FOR] WHICH THESE SECURITIES ARE [CONVERTIBLE][EXERCISABLE] HAVE BEEN] [THE SECURITIES REPRESENTED BY THIS CERTIFICATE HAVE NOT BEEN] REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED (I) IN THE ABSENCE OF (A) AN EFFECTIVE REGISTRATION STATEMENT FOR THE SECURITIES UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR (B) AN OPINION OF COUNSEL TO THE HOLDER (IF REQUESTED BY THE COMPANY), IN A FORM REASONABLY ACCEPTABLE TO THE COMPANY, THAT REGISTRATION IS NOT REQUIRED UNDER SAID ACT OR (II) UNLESS SOLD OR ELIGIBLE TO BE SOLD PURSUANT TO RULE 144 OR RULE 144A UNDER SAID ACT. NOTWITHSTANDING THE FOREGOING, THE SECURITIES MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN OR FINANCING ARRANGEMENT SECURED BY THE SECURITIES.

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(d) **Removal of Legends.** Certificates evidencing Securities shall not be required to contain the legend set forth in Section 5(c) above or any other legend (i) while a registration statement (including a Registration Statement) covering the resale of such Securities is effective under the 1933 Act, (ii) following any sale of such Securities pursuant to Rule 144 (assuming the transferor is not an affiliate of the Company), (iii) if such Securities are eligible to be sold, assigned or transferred under Rule 144 (provided that a Buyer provides the Company with reasonable assurances that such Securities are eligible for sale, assignment or transfer under Rule 144 which shall not include an opinion of Buyer’s counsel), (iv) in connection with a sale, assignment or other transfer (other than under Rule 144), provided that such Buyer provides the Company with an opinion of counsel to such Buyer, in a generally acceptable form, to the effect that such sale, assignment or transfer of the Securities may be made without registration under the applicable requirements of the 1933 Act or (v) if such legend is not required under applicable requirements of the 1933 Act (including, without limitation, controlling judicial interpretations and pronouncements issued by the SEC). If a legend is not required pursuant to the foregoing, the Company shall no later than one (1) Trading Day (or such earlier date as required pursuant to the 1934 Act or other applicable law, rule or regulation for the settlement of a trade initiated on the date such Buyer delivers such legended certificate representing such Securities to the Company) following the delivery by a Buyer to the Company or the transfer agent (with notice to the Company) of a legended certificate representing such Securities (endorsed or with stock powers attached, signatures guaranteed, and otherwise in form necessary to affect the reissuance and/or transfer, if applicable), together with any other deliveries from such Buyer as may be required above in this Section 5(d), as directed by such Buyer, either: (A) provided that the Company’s transfer agent is participating in the DTC Fast Automated Securities Transfer Program (“FAST”) and such Securities are Conversion Shares or Warrant Shares, credit the aggregate number of shares of Common Stock to which such Buyer shall be entitled to such Buyer’s or its designee’s balance account with DTC through its Deposit/Withdrawal at Custodian system or (B) if the Company’s transfer agent is not participating in FAST, issue and deliver (via reputable overnight courier) to such Buyer, a certificate representing such Securities that is free from all restrictive and other legends, registered in the name of such Buyer or its designee (the date by which such credit is so required to be made to the balance account of such Buyer’s or such Buyer’s designee with DTC or such certificate is required to be delivered to such Buyer pursuant to the foregoing is referred to herein as the “**Required Delivery Date**”, and the date such shares of Common Stock are actually delivered without restrictive legend to such Buyer or such Buyer’s designee with DTC, as applicable, the “**Share Delivery Date**”). The Company shall be responsible for any transfer agent fees or DTC fees with respect to any issuance of Securities or the removal of any legends with respect to any Securities in accordance herewith.

(e) **Failure to Timely Deliver; Buy-In.** If the Company fails to fail, for any reason or for no reason, to issue and deliver (or cause to be delivered) to a Buyer (or its designee) by the Required Delivery Date, either (I) if the Transfer Agent is not participating in FAST, a certificate for the number of Conversion Shares or Warrant Shares to which such Buyer is entitled and register such Conversion Shares or Warrant Shares on the Company’s share register or, if the Transfer Agent is participating in FAST, to credit the balance account of such Buyer or such Buyer’s designee with DTC for such number of Conversion Shares or Warrant Shares submitted for legend removal by such Buyer pursuant to Section 5(d) above or (II) if after the ninety day anniversary of the date of this Agreement the Registration Statement covering the resale of the Conversion Shares or Warrant Shares submitted for legend removal by such Buyer pursuant to Section 5(d) above (the “**Unavailable Shares**”) is not available for the resale of such Unavailable Shares and the Company fails to promptly, but in no event later than as required pursuant to Section 4(t) of this Agreement (x) so notify such Buyer and (y) deliver the Conversion Shares or Warrant Shares electronically without any restrictive legend by crediting such aggregate number of Conversion Shares or Warrant Shares submitted for legend removal by such Buyer pursuant to Section 5(d) above to such Buyer’s or its designee’s balance account with DTC through its Deposit/Withdrawal At Custodian system (the event described in the immediately foregoing clause (II) is hereinafter referred to as a “**Notice Failure**” and together with the event described in clause (I) above, a “**Delivery Failure**”), and if on or after such Trading Day such Buyer purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by such Buyer of shares of Common Stock submitted for legend removal by such Buyer pursuant to Section 5(d) above that such Buyer is entitled to receive from the Company (a “**Buy-In**”), then the Company shall, within one (1) Trading Day after such Buyer’s request and in such Buyer’s discretion, either (i) pay cash to such Buyer in an amount equal to such Buyer’s total purchase price (including brokerage commissions and other out-of-pocket expenses, if any, for the shares of Common Stock so purchased) (the “**Buy-In Price**”), at which point the Company’s obligation to so deliver such certificate or credit such Buyer’s balance account shall terminate and such shares shall be cancelled, or (ii) promptly honor its obligation to so deliver to such Buyer a certificate or certificates or credit the balance account of such Buyer or such Buyer’s designee with DTC representing such number of shares of Common Stock that would have been so delivered if the Company timely complied with its obligations hereunder and pay cash to such Buyer in an amount equal to the excess (if any) of the Buy-In Price over the product of (A) such number of shares of Conversion Shares or Warrant Shares that the Company was required to deliver to such Buyer by the Required Delivery Date multiplied by (B) the lowest Closing Sale Price (as defined in the Notes) of the Common Stock on any Trading Day during the period commencing on the date of the delivery by such Buyer to the Company of the applicable Conversion Shares or Warrant Shares and ending on the date of such delivery and payment under this clause (ii). Nothing shall limit such Buyer’s right to pursue any other remedies available to it hereunder, at law or in equity, including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company’s failure to timely deliver certificates representing shares of Common Stock (or to electronically deliver such shares of Common Stock) as required pursuant to the terms hereof. Notwithstanding anything herein to the contrary, with respect to any given Notice Failure and/or Delivery Failure, this Section 5(e) shall not apply to the applicable Buyer the extent the Company has already paid such amounts in full to such Buyer with respect to such Notice Failure and/or Delivery Failure, as applicable, pursuant to the analogous sections of the Note held by such Buyer.

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(f) **FAST Compliance.** While any Notes and Warrants remain outstanding, the Company shall maintain a transfer agent that participates in FAST.

6. CONDITIONS TO THE COMPANY’S OBLIGATION TO SELL.

(a) **Closing.** The obligation of the Company hereunder to issue and sell the Notes and Warrants to each Buyer at the Closing is subject to the satisfaction, at or before the Closing Date, of each of the following conditions, provided that these conditions are for the Company’s sole benefit and may be waived by the Company at any time in its sole discretion by providing each Buyer with prior written notice thereof:

(i) Such Buyer shall have executed each of the Transaction Documents to which it is a party and delivered the same to the Company.

(ii) Such Buyer and each other Buyer shall have delivered to the Company the Purchase Price (less, in the case of any Buyer, the amounts withheld pursuant to Section 4(g)) for the Note and Warrant being purchased by such Buyer at the Closing by wire transfer of immediately available funds in accordance with the Flow of Funds Letter.

(iii) The representations and warranties of such Buyer shall be true and correct in all material respects as of the date when made and as of the Closing Date as though originally made at that time (except for representations and warranties that speak as of a specific date, which shall be true and correct as of such specific date), and such Buyer shall have performed, satisfied and complied in all material respects with the covenants, agreements and conditions required by this Agreement to be performed, satisfied or complied

with by such Buyer at or prior to the Closing Date.

(iv) The Company shall have obtained approval of the Principal Market to list or designate for quotation (as the case may be) the Conversion Shares and Warrant Shares.

7. CONDITIONS TO EACH BUYER'S OBLIGATION TO PURCHASE.

(a) The obligation of each Buyer hereunder to purchase a Note and corresponding Warrant at the Closing is subject to the satisfaction, at or before the Closing Date, of each of the following conditions, provided that these conditions are for each Buyer's sole benefit and may be waived by such Buyer at any time in its sole discretion by providing the Company with prior written notice thereof:

(i) With respect to the Closing, the Company shall have duly executed and delivered to such Buyer each of the Transaction Documents to which it is a party and the Company shall have duly executed and delivered to such Buyer the Notes in such original principal amount as is set forth across from such Buyer's name in column (2) of the Schedule of Buyers as being purchased by such Buyer at the Closing pursuant to this Agreement.

(ii) With respect to the Closing, the Company shall have duly executed and delivered to such Buyer a Warrant for such number of Warrant Shares as is set forth across from such Buyer's name in column (3) of the Schedule of Buyers as being purchased by such Buyer at the Closing pursuant to this Agreement.

(iii) Such Buyer shall have received the opinion of Blank Rome LLP, the Company's counsel, dated as of the applicable Closing Date, in the form acceptable to such Buyer.

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(iv) The Company shall have delivered to such Buyer a copy of the Irrevocable Transfer Agent Instructions, in the form acceptable to such Buyer, which instructions shall have been delivered to and acknowledged in writing by the Company's Transfer Agent.

(v) The Company shall have delivered to such Buyer a certificate evidencing the formation and good standing of the Company in such entity's jurisdiction of formation issued by the Secretary of State (or comparable office) of such jurisdiction of formation as of a date within ten (10) days of the applicable Closing Date.

(vi) The Company shall have delivered to such Buyer a certificate 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, as of a date within ten (10) days of the applicable Closing Date.

(vii) The Company shall have delivered to such Buyer a certified copy of the Certificate of Incorporation as certified by the Secretary of State of the State of Delaware within ten (10) days of the applicable Closing Date.

(viii) The Company shall have delivered to such Buyer a certificate, in the form acceptable to such Buyer, executed by the Secretary of the Company and dated as of the applicable Closing Date, as to (i) the resolutions consistent with Section 3(b) as adopted by the Company's board of directors in a form reasonably acceptable to such Buyer, (ii) the Certificate of Incorporation of the Company and (iii) the Bylaws of the Company, each as in effect at the applicable Closing.

(ix) Each and every representation and warranty of the Company shall be true and correct as of the date when made and as of the applicable Closing Date as though originally made at that time (except for representations and warranties that speak as of a specific date, which shall be true and correct as of such specific date) and the Company shall have performed, satisfied and complied in all respects with the covenants, agreements and conditions required to be performed, satisfied or complied with by the Company at or prior to the applicable Closing Date. Such Buyer shall have received a certificate, duly executed by the Chief Executive Officer of the Company, dated as of the applicable Closing Date, to the foregoing effect and as to such other matters as may be reasonably requested by such Buyer in the form acceptable to such Buyer.

(x) The Company shall have delivered to such Buyer a letter from the Company's Transfer Agent certifying the number of shares of Common Stock outstanding on the applicable Closing Date immediately prior to the applicable Closing.

(xi) The Common Stock (A) shall be designated for quotation or listed (as applicable) on the Principal Market and (B) shall not have been suspended, as of the applicable Closing Date, by the SEC or the Principal Market from trading on the Principal Market nor shall suspension by the SEC or the Principal Market have been threatened, as of the applicable Closing Date, either (I) in writing by the SEC or the Principal Market or (II) by falling below the minimum maintenance requirements of the Principal Market.

(xii) The Company shall have obtained all governmental, regulatory or third-party consents and approvals, if any, necessary for the sale of the applicable Securities, including without limitation, those required by the Principal Market, if any.

(xiii) No statute, rule, regulation, executive order, decree, ruling or injunction shall have been enacted, entered, promulgated or endorsed by any court or Governmental Entity of competent jurisdiction that prohibits the consummation of any of the transactions contemplated by the Transaction Documents.

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(xiv) Since the date of execution of this Agreement, no event or series of events shall have occurred that reasonably would have or result in a Material Adverse Effect.

(xv) The Company shall have obtained approval of the Principal Market to list or designate for quotation (as the case may be) the Conversion Shares and Warrant Shares.

(xvi) Such Buyer shall have received a letter on the letterhead of the Company, duly executed by the Chief Executive Officer of the Company, setting forth the wire amounts of each Buyer and the wire transfer instructions of the Company in connection with the applicable Closing (the "**Flow of Funds Letter**").

(xvii) Such Buyer shall have received all of the Voting Agreements, duly executed by each of the stockholders of the Company listed on the Schedule of Stockholders.

(xviii) The Company shall have delivered or caused to be delivered to each Buyer a perfection certificate, duly completed and executed by the Company and each of its Subsidiaries, in form and substance satisfactory to the Buyers.

(xix) The Company and its Subsidiaries shall have delivered to such Buyer such other documents, instruments or certificates relating to the transactions contemplated by this Agreement as such Buyer or its counsel may reasonably request.

8. TERMINATION.

In the event that a Closing shall not have occurred with respect to a Buyer by the applicable Closing Dates set forth in Section 1(c), then such Buyer shall have the right to terminate its obligations under this Agreement with respect to itself at any time on or after the close of business on such date without liability of such Buyer to any other party; provided, however, (i) the right to terminate this Agreement under this Section 8 shall not be available to such Buyer if the failure of the transactions contemplated by this Agreement to have been consummated by such date is the result of such Buyer's breach of this Agreement and (ii) the abandonment of the sale and purchase of the Notes and Warrants shall be applicable only to such Buyer providing such written notice, provided further that no such termination shall affect any obligation of the Company under this Agreement to reimburse such Buyer for the expenses described in Section 4(g) above. Nothing contained in this Section 8 shall be deemed to release any party from any liability for any breach by such party of the terms and provisions of this Agreement or the other Transaction Documents or to impair the right of any party to compel specific performance by any other party of its obligations under this Agreement or the other Transaction Documents.

9. MISCELLANEOUS.

(a) Governing Law; Jurisdiction; Jury Trial. All questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by the internal laws of the State of New York, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of New York or any other jurisdictions) that would cause the application of the laws of any jurisdictions other than the State of New York. The Company hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in The City of New York, New York, for the adjudication of any dispute hereunder or in connection herewith or under any of the other Transaction Documents or with any transaction contemplated hereby or thereby, 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 brought in an inconvenient forum or that the venue of such suit, action or proceeding is improper. 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 to such party at the address for such 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 manner permitted by law. Nothing contained herein shall be deemed or operate to preclude any Buyer from bringing suit or taking other legal action against the Company in any other jurisdiction to collect on the Company's obligations to such Buyer or to enforce a judgment or other court ruling in favor of such Buyer. **EACH PARTY HEREBY IRREVOCABLY WAIVES ANY RIGHT IT MAY HAVE TO, AND AGREES NOT TO REQUEST, A JURY TRIAL FOR THE ADJUDICATION OF ANY DISPUTE HEREUNDER OR UNDER ANY OTHER TRANSACTION DOCUMENT OR IN CONNECTION WITH OR ARISING OUT OF THIS AGREEMENT, ANY OTHER TRANSACTION DOCUMENT OR ANY TRANSACTION CONTEMPLATED HEREBY OR THEREBY.**

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(b) Counterparts. This Agreement may be executed in two or more identical counterparts, all of which 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. In the event that any signature is delivered by facsimile transmission or by an e-mail which contains a portable document format (.pdf) file of an executed signature page, such signature page 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 signature page were an original thereof.

(c) Headings; Gender. The headings of this Agreement are for convenience of reference and shall not form part of, or affect the interpretation of, this Agreement. Unless the context clearly indicates otherwise, each pronoun herein shall be deemed to include the masculine, feminine, neuter, singular and plural forms thereof. The terms "including," "includes," "include" and words of like import shall be construed broadly as if followed by the words "without limitation." The terms "herein," "hereunder," "hereof" and words of like import refer to this entire Agreement instead of just the provision in which they are found.

(d) Severability; Maximum Payment Amounts. If any provision of this Agreement is prohibited by law or otherwise determined to be invalid or unenforceable by a court of competent jurisdiction, the provision that would otherwise be prohibited, invalid or unenforceable shall be deemed amended to apply to the broadest extent that it would be valid and enforceable, and the invalidity or unenforceability of such provision shall not affect the validity of the remaining provisions of this Agreement so long as this Agreement as so modified continues to express, without material change, the original intentions of the parties as to the subject matter hereof and the prohibited nature, invalidity or unenforceability of the provision(s) in question does not substantially impair the respective expectations or reciprocal obligations of the parties or the practical realization of the benefits that would otherwise be conferred upon the parties. The parties will endeavor in good faith negotiations to replace the prohibited, invalid or unenforceable provision(s) with a valid provision(s), the effect of which comes as close as possible to that of the prohibited, invalid or unenforceable provision(s). Notwithstanding anything to the contrary contained in this Agreement or any other Transaction Document (and without implication that the following is required or applicable), it is the intention of the parties that in no event shall amounts and value paid by the Company and/or any of its Subsidiaries (as the case may be), or payable to or received by any of the Buyers, under the Transaction Documents (including without limitation, any amounts that would be characterized as "interest" under applicable law) exceed amounts permitted under any applicable law. Accordingly, if any obligation to pay, payment made to any Buyer, or collection by any Buyer pursuant to the Transaction Documents is finally judicially determined to be contrary to any such applicable law, such obligation to pay, payment or collection shall be deemed to have been made by mutual mistake of such Buyer, the Company and its Subsidiaries and such amount shall be deemed to have been adjusted with retroactive effect to the maximum amount or rate of interest, as the case may be, as would not be so prohibited by the applicable law. Such adjustment shall be effected, to the extent necessary, by reducing or refunding, at the option of such Buyer, the amount of interest or any other amounts which would constitute unlawful amounts required to be paid or actually paid to such Buyer under the Transaction Documents. For greater certainty, to the extent that any interest, charges, fees, expenses or other amounts required to be paid to or received by such Buyer under any of the Transaction Documents or related thereto are held to be within the meaning of "interest" or another applicable term to otherwise be violative of applicable law, such amounts shall be pro-rated over the period of time to which they relate.

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(e) Entire Agreement; Amendments. This Agreement, the other Transaction Documents and the schedules and exhibits attached hereto and thereto and the instruments referenced herein and therein supersede all other prior oral or written agreements between the Buyers, the Company, its Subsidiaries, their affiliates and Persons acting on their behalf, including, without limitation, any transactions by any Buyer with respect to Common Stock or the Securities, and the other matters contained herein and therein, and this Agreement, the other Transaction Documents, the schedules and exhibits attached hereto and thereto and the instruments referenced herein and therein contain the entire understanding of the parties solely with respect to the matters covered herein and therein; provided, however, nothing contained in this Agreement or any other Transaction Document shall (or shall be deemed to) (i) have any effect on any agreements any Buyer has entered into with, or any instruments any Buyer has received from, the Company or any of its Subsidiaries prior to the date hereof with respect to any prior investment made by such Buyer in the Company or (ii) waive, alter, modify or amend in any respect any obligations of the Company or any of its Subsidiaries, or any rights of or benefits to any Buyer or any other Person, in any agreement entered into prior to the date hereof between or among the Company and/or any of its Subsidiaries and any Buyer, or any instruments any Buyer received from the Company and/or any of its Subsidiaries prior to the date hereof, and all such agreements and instruments shall continue in full force and effect. Except as specifically set forth herein or therein, neither the Company nor any Buyer makes any representation, warranty, covenant or undertaking with respect to such matters. For clarification purposes, the Recitals are part of this Agreement. No provision of this Agreement may be amended other than by an instrument in writing signed by the Company and the Required Holders, and any amendment to any provision of this Agreement made in conformity with the provisions of this Section 9(e) shall be binding on all Buyers and holders of Securities, as applicable; provided that no such amendment shall be effective to the extent that it (A) applies to less than all of the holders of the Securities then outstanding or (B) imposes any obligation or liability on any Buyer without such Buyer's prior written consent (which may be granted or withheld in such Buyer's sole discretion). No waiver shall be effective unless it is in writing and signed by an authorized representative of the waiving party, provided that the Required Holders may waive any provision of this Agreement, and any waiver of any provision of this Agreement made in conformity with the provisions of this Section 9(e) shall be binding on all Buyers and holders of Securities, as applicable, provided that no such waiver shall be effective to the extent that it (1) applies to less than all of the holders of the Securities then outstanding (unless a party gives a waiver as to itself only) or (2) imposes any obligation or liability on any Buyer without such Buyer's prior written consent (which may be granted or withheld in such Buyer's sole discretion). No consideration (other than reimbursement of reasonable legal fees) 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 also is offered to all of the parties to the Transaction Documents, all holders of the Notes and Warrants. From the date hereof and while any Notes and Warrants are outstanding, the Company shall not be permitted to receive any consideration from a Buyer or a holder of Notes or Warrants that is not otherwise contemplated by the Transaction Documents in order to, directly or indirectly, induce the Company or any Subsidiary (i) to treat such Buyer or holder of Notes and Warrants in a manner that is more favorable than to other similarly situated Buyers or holders of Notes and Warrants, or (ii) to treat any Buyer(s) or holder(s) of Notes in a manner that is less favorable than the Buyer or holder of Notes and Warrants that is paying such consideration; provided, however, that the determination of whether a Buyer has been treated more or less favorably than another Buyer shall disregard any securities of the Company purchased or sold by any Buyer. The Company has not, directly or indirectly, made any agreements with any Buyers relating to the terms or conditions of the transactions

contemplated by the Transaction Documents except as set forth in the Transaction Documents. Without limiting the foregoing, the Company confirms that, except as set forth in this Agreement, no Buyer has made any commitment or promise or has any other obligation to provide any financing to the Company, any Subsidiary or otherwise. As a material inducement for each Buyer to enter into this Agreement, the Company expressly acknowledges and agrees that (x) no due diligence or other investigation or inquiry conducted by a Buyer, any of its advisors or any of its representatives shall affect such Buyer's right to rely on, or shall modify or qualify in any manner or be an exception to any of, the Company's representations and warranties contained in this Agreement or any other Transaction Document and (y) unless a provision of this Agreement or any other Transaction Document is expressly preceded by the phrase "except as disclosed in the SEC Documents," nothing contained in any of the SEC Documents shall affect such Buyer's right to rely on, or shall modify or qualify in any manner or be an exception to any of, the Company's representations and warranties contained in this Agreement or any other Transaction Document. "**Required Holders**" means (I) prior to the Closing Date, each Buyer entitled to purchase Notes and Warrants at a Closing and (II) on or after the Closing Date, [] as long as it holds any Notes and Warrants, and, thereafter, holders of a majority of the Registrable Securities as of such time (excluding any Registrable Securities held by the Company or any of its Subsidiaries as of such time) issued or issuable hereunder or pursuant to the Notes or Warrants.

(f) Notices. Any notices, consents, waivers or other communications required or permitted to be given under the terms of this Agreement must be in writing and will be deemed to have been delivered: (i) upon receipt, when delivered personally; (ii) upon receipt, when sent by electronic mail (provided that such sent email is kept on file (whether electronically or otherwise) by the sending party and the sending party does not receive an automatically generated message from the recipient's email server that such e-mail could not be delivered to such recipient); or (iii) one (1) Business Day after deposit with an overnight courier service with next day delivery specified, in each case, properly addressed to the party to receive the same. The mailing addresses and e-mail addresses for such communications shall be:

If to the Company:

Scorpius Holdings, Inc.
627 Davis Drive, Suite 300
Morrisville, North Carolina 27560
Telephone: (919) 240-7133
Attention: Jeffrey Wolf, Chief Executive Officer
E-mail: jeff@nighthawkbio.com

With a copy (for informational purposes only) to:

Blank Rome LLP
1271 Avenue of the Americas, 16th Floor
New York, New York 10020
Telephone: (212) 885-5358
Attention: Leslie Marlow, Esq.
E-mail: leslie.marlow@blankrome.com

If to []:

If to a Buyer, to its mailing address and e-mail address set forth on the Schedule of Buyers, with copies to such Buyer's representatives as set forth on the Schedule of Buyers,

with a copy (for informational purposes only) to:

Sullivan & Worcester LLP
1251 Avenue of the Americas, 19th Floor
New York, New York 10020
Telephone: (212) 660-3060
Attention: David Danovitch, Esq.
E-mail: ddanovitch@sullivanlaw.com

or to such other mailing address and/or e-mail address and/or to the attention of such other Person as the recipient party has specified by written notice given to each other party five (5) days prior to the effectiveness of such change. Written confirmation of receipt (A) given by the recipient of such notice, consent, waiver or other communication, (B) mechanically or electronically generated by the sender's e-mail containing the time, date and recipient's e-mail or (C) provided by an overnight courier service shall be rebuttable evidence of personal service, receipt by e-mail or receipt from an overnight courier service in accordance with clause (i), (ii) or (iii) above, respectively.

(g) Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and assigns, including any purchasers of any of the Notes and Warrants. The Company shall not assign this Agreement or any rights or obligations hereunder without the prior written consent of the Required Holders, including, without limitation, by way of a Fundamental Transaction (as defined in the Notes) (unless the Company is in compliance with the applicable provisions governing Fundamental Transactions set forth in the Notes). A Buyer may assign some or all of its rights hereunder in connection with any transfer of any of its Securities without the consent of the Company, in which event such assignee shall be deemed to be a Buyer hereunder with respect to such assigned rights.

(h) No Third Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective permitted successors and assigns, and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, other than the Indemnitees referred to in Section 9(k).

(i) Survival. The representations, warranties, agreements and covenants shall survive the Closings. Each Buyer shall be responsible only for its own representations, warranties, agreements and covenants hereunder.

(j) Further Assurances. Each party shall do and perform, or cause to be done and performed, all such further acts and things, and shall execute and deliver all such other agreements, certificates, instruments and documents, as any other party may reasonably request in order to carry out the intent and accomplish the purposes of this Agreement and the consummation of the transactions contemplated hereby.

(k) Indemnification. In consideration of each Buyer's execution and delivery of the Transaction Documents and acquiring the Securities thereunder and in addition to all of the Company's other obligations under the Transaction Documents, the Company shall defend, protect, indemnify and hold harmless each Buyer and each holder of any Securities and all of their stockholders, partners, members, officers, directors, employees and direct or indirect investors and any of the foregoing Persons' agents or other representatives (including, without limitation, those retained in connection with the transactions contemplated by this Agreement) (collectively, the "**Indemnitees**") from and against any and all actions, causes of action, suits, claims, losses, costs, penalties, fees, liabilities and damages, and expenses in connection therewith (irrespective of whether any such Indemnatee is a party to the action for which indemnification hereunder is sought), and including reasonable attorneys' fees and disbursements (the "**Indemnified Liabilities**"), incurred by any Indemnatee as a result of, or arising out of, or relating to (i) any misrepresentation or breach of any representation or warranty made by the Company or any Subsidiary in any of the Transaction Documents, (ii) any breach of any covenant, agreement or obligation of the Company or any Subsidiary contained in any of the Transaction Documents or (iii) any cause of action, suit, proceeding or claim brought or made

against such Indemnitee by a third party (including for these purposes a derivative action brought on behalf of the Company or any Subsidiary) or which otherwise involves such Indemnitee that arises out of or results from (A) the execution, delivery, performance or enforcement of any of the Transaction Documents, (B) any transaction financed or to be financed in whole or in part, directly or indirectly, with the proceeds of the issuance of the Securities, (C) any disclosure properly made by such Buyer pursuant to Section 4(i), or (D) the status of such Buyer or holder of the Securities either as an investor in the Company pursuant to the transactions contemplated by the Transaction Documents or as a party to this Agreement (including, without limitation, as a party in interest or otherwise in any action or proceeding for injunctive or other equitable relief). To the extent that the foregoing undertaking by the Company may be unenforceable for any reason, the Company shall make the maximum contribution to the payment and satisfaction of each of the Indemnified Liabilities which is permissible under applicable law.

(l) Construction. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party. No specific representation or warranty shall limit the generality or applicability of a more general representation or warranty. Each and every reference to share prices, shares of Common Stock and any other numbers in this Agreement that relate to the Common Stock shall be automatically adjusted for any stock splits, stock dividends, stock combinations, recapitalizations or other similar transactions that occur with respect to the Common Stock after the date of this Agreement. Notwithstanding anything in this Agreement to the contrary, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty against, or a prohibition of, any actions with respect to the borrowing of, arrangement to borrow, identification of the availability of, and/or securing of, securities of the Company in order for such Buyer (or its broker or other financial representative) to effect short sales or similar transactions in the future.

(m) Remedies. Each Buyer and in the event of assignment by Buyer of its rights and obligations hereunder, each holder of Securities, shall have all rights and remedies set forth in the Transaction Documents and all rights and remedies which such holders have been granted at any time under any other agreement or contract and all of the rights which such holders have under any law. Any Person having any rights under any provision of this Agreement shall be entitled to enforce such rights specifically (without posting a bond or other security), to recover damages by reason of any breach of any provision of this Agreement and to exercise all other rights granted by law. Furthermore, the Company recognizes that in the event that it or any Subsidiary fails to perform, observe, or discharge any or all of its or such Subsidiary's (as the case may be) obligations under the Transaction Documents, any remedy at law would be inadequate relief to the Buyers. The Company therefore agrees that the Buyers shall be entitled to specific performance and/or temporary, preliminary and permanent injunctive or other equitable relief from any court of competent jurisdiction in any such case without the necessity of proving actual damages and without posting a bond or other security. The remedies provided in this Agreement and the other Transaction Documents shall be cumulative and in addition to all other remedies available under this Agreement and the other Transaction Documents, at law or in equity (including a decree of specific performance and/or other injunctive relief).

(n) Withdrawal Right. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) the Transaction Documents, whenever any Buyer exercises a right, election, demand or option under a Transaction Document and the Company or any Subsidiary does not timely perform its related obligations within the periods therein provided, then such Buyer may rescind or withdraw, in its sole discretion from time to time upon written notice to the Company or such Subsidiary (as the case may be), any relevant notice, demand or election in whole or in part without prejudice to its future actions and rights.

(o) Payment Set Aside; Currency. To the extent that the Company makes a payment or payments to any Buyer hereunder or pursuant to any of the other Transaction Documents or any of the Buyers enforce or exercise their rights hereunder or thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other Person under any law (including, without limitation, any bankruptcy law, foreign, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred. Unless otherwise expressly indicated, all dollar amounts referred to in this Agreement and the other Transaction Documents are in United States Dollars ("U.S. Dollars"), and all amounts owing under this Agreement and all other Transaction Documents shall be paid in U.S. Dollars. All amounts denominated in other currencies (if any) shall be converted into the U.S. Dollar equivalent amount in accordance with the Exchange Rate on the date of calculation. "Exchange Rate" means, in relation to any amount of currency to be converted into U.S. Dollars pursuant to this Agreement, the U.S. Dollar exchange rate as published in the Wall Street Journal on the relevant date of calculation.

(p) Judgment Currency.

(i) If for the purpose of obtaining or enforcing judgment against the Company in connection with this Agreement or any other Transaction Document in any court in any jurisdiction it becomes necessary to convert into any other currency (such other currency being hereinafter in this Section 9(p) referred to as the "Judgment Currency") an amount due in US Dollars under this Agreement, the conversion shall be made at the Exchange Rate prevailing on the Trading Day immediately preceding:

(A) the date actual payment of the amount due, in the case of any proceeding in the courts of New York or in the courts of any other jurisdiction that will give effect to such conversion being made on such date: or

(B) the date on which the foreign court determines, in the case of any proceeding in the courts of any other jurisdiction (the date as of which such conversion is made pursuant to this Section 9(p)(i)(B) being hereinafter referred to as the "Judgment Conversion Date").

(ii) If in the case of any proceeding in the court of any jurisdiction referred to in Section 9(p)(i)(B) above, there is a change in the Exchange Rate prevailing between the Judgment Conversion Date and the date of actual payment of the amount due, the applicable party shall pay such adjusted amount as may be necessary to ensure that the amount paid in the Judgment Currency, when converted at the Exchange Rate prevailing on the date of payment, will produce the amount of US Dollars which could have been purchased with the amount of Judgment Currency stipulated in the judgment or judicial order at the Exchange Rate prevailing on the Judgment Conversion Date.

(iii) Any amount due from the Company under this provision shall be due as a separate debt and shall not be affected by judgment being obtained for any other amounts due under or in respect of this Agreement or any other Transaction Document.

(q) Independent Nature of Buyers' Obligations and Rights. The obligations of each Buyer under the Transaction Documents are several and not joint with the obligations of any other Buyer, and no Buyer shall be responsible in any way for the performance of the obligations of any other Buyer under any Transaction Document. Nothing contained herein or in any other Transaction Document, and no action taken by any Buyer pursuant hereto or thereto, shall be deemed to constitute the Buyers as, and the Company acknowledges that the Buyers do not so constitute, a partnership, an association, a joint venture or any other kind of group or entity, or create a presumption that the Buyers are in any way acting in concert or as a group or entity, and the Company shall not assert any such claim with respect to such obligations or the transactions contemplated by the Transaction Documents or any matters, and the Company acknowledges that the Buyers are not acting in concert or as a group, and the Company shall not assert any such claim, with respect to such obligations or the transactions contemplated by the Transaction Documents. The decision of each Buyer to purchase Securities pursuant to the Transaction Documents has been made by such Buyer independently of any other Buyer. Each Buyer acknowledges that no other Buyer has acted as agent for such Buyer in connection with such Buyer making its investment hereunder and that no other Buyer will be acting as agent of such Buyer in connection with monitoring such Buyer's investment in the Securities or enforcing its rights under the Transaction Documents. The Company and each Buyer confirms that each Buyer has independently participated with the Company and its Subsidiaries in the negotiation of the transaction contemplated hereby with the advice of its own counsel and advisors. Each Buyer shall be entitled to independently protect and enforce its rights, including, without limitation, the rights arising out of this Agreement or out of any other Transaction Documents, and it shall not be necessary for any other Buyer to be joined as an additional party in any proceeding for such purpose. The use of a single agreement to effectuate the purchase and sale of the Securities contemplated hereby was solely in the control of the Company, not the action or decision of any Buyer, and was done solely for the convenience of the Company and its Subsidiaries and not because it was required or requested to do so by any Buyer. It is expressly understood and agreed that each provision contained in this Agreement and in each other Transaction Document is between the Company, each Subsidiary and a Buyer, solely, and not between the Company, its Subsidiaries and the Buyers collectively and not between and among the Buyers.

IN WITNESS WHEREOF, each Buyer and the Company have caused their respective signature page to this Agreement to be duly executed as of the date first written above.

COMPANY:

SCORPIUS HOLDINGS, INC.

By: _____

Name: Jeffrey Wolf

Title: Chief Executive Officer

IN WITNESS WHEREOF, each Buyer and the Company have caused their respective signature page to this Agreement to be duly executed as of the date first written above.

BUYER:

[]

By: _____

Name: _____

Title: _____

Exhibit 10.2

SECURITY AGREEMENT

This SECURITY AGREEMENT, dated as of December [●], 2024 (this “Agreement”), is among Scorpius Holdings, Inc., a Delaware corporation (the “Company”), all of the domestic subsidiaries of the Company (such subsidiaries, the “Guarantors,” and together with the Company, the “Debtors”), [], as a secured party, [], as a secured party (together with [], the “Secured Parties”), and [], in its capacity as collateral agent for the Secured Parties (the “Agent”).

WITNESSETH:

WHEREAS, pursuant to that certain Securities Purchase Agreement, dated as of even date herewith (the “Purchase Agreement”), the Secured Parties have agreed to fund the Debtor with respect to that certain Senior Secured Convertible Notes issued by the Company to the Secured Parties (the “Notes”); and together with the Notes, the Warrants (as defined in the Purchase Agreement) and any other securities that may be issued from time-to-time (the “Securities”);

WHEREAS, pursuant to a certain Subsidiary Guarantee, dated as of the date hereof (the “Guarantee”), the Guarantors have jointly and severally agreed to guarantee and act as surety for payment of the Notes; and

WHEREAS, in order to induce the Secured Parties to extend the loans evidenced by the Notes, each Debtor has agreed to execute and deliver to the Secured Parties this Agreement and to grant the Secured Parties, pari passu with each other Secured Party and through the Agent, a security interest in certain property of such Debtor to secure the prompt payment, performance and discharge in full of all of the Company’s obligations under the Notes and the Guarantors’ obligations under the Guarantee.

NOW, THEREFORE, in consideration of the agreements herein contained and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto hereby agree as follows:

1. **Certain Definitions.** As used in this Agreement, the following terms shall have the meanings set forth in this Section 1. Terms used but not otherwise defined in this Agreement that are defined in Article 9 of the UCC (such as “account”, “chattel paper”, “commercial tort claim”, “deposit account”, “document”, “equipment”, “fixtures”, “general intangibles”, “goods”, “instruments”, “inventory”, “investment property”, “letter-of-credit rights”, “proceeds” and “supporting obligations”) shall have the respective meanings given such terms in Article 9 of the UCC.

(a) “Collateral” means the collateral in which the Secured Parties are granted a security interest by this Agreement and which shall include all of the assets of the Debtors, including the following personal property of the Debtors, whether presently owned or existing or hereafter acquired or coming into existence, wherever situated, and all additions and accessions thereto and all substitutions and replacements thereof, and all proceeds, products and accounts thereof, including, without limitation, all proceeds from the sale or transfer of the Collateral and of insurance covering the same and of any tort claims in connection therewith, and all dividends, interest, cash, notes, securities, equity interest or other property at any time and from time to time acquired, receivable or otherwise distributed in respect of, or in exchange for, any or all of the Pledged Securities (as defined below):

(i) All goods, including, without limitation, (A) all machinery, equipment, computers, motor vehicles, trucks, tanks, boats, ships, appliances, furniture, special and general tools, fixtures, test and quality control devices and other equipment of every kind and nature and wherever situated, together with all documents of title and documents representing the same, all additions and accessions thereto, replacements therefor, all parts therefor, and all substitutes for any of the foregoing and all other items used and useful in connection with any Debtor’s businesses and all improvements thereto; and (B) all inventory;

(ii) All contract rights and other general intangibles, including, without limitation, all partnership interests, membership interests, stock or other securities, rights

under any of the Organizational Documents (as defined below), agreements related to the Pledged Securities, licenses, distribution and other agreements, computer software (whether “off-the-shelf”, licensed from any third party or developed by any Debtor), computer software development rights, leases, franchises, customer lists, quality control procedures, grants and rights, goodwill, Intellectual Property and income tax refunds;

- (iii) All accounts, together with all instruments, all documents of title representing any of the foregoing, all rights in any merchandising, goods, equipment, motor vehicles and trucks which any of the same may represent, and all right, title, security and guaranties with respect to each account, including any right of stoppage in transit;
- (iv) All documents, letter-of-credit rights, instruments and chattel paper;
- (v) All commercial tort claims;
- (vi) All deposit accounts and all cash (whether or not deposited in such deposit accounts);
- (vii) All investment property;
- (viii) All supporting obligations;
- (ix) All files, records, books of account, business papers, and computer programs; and
- (x) the products and proceeds of all of the foregoing Collateral set forth in clauses (i)-(ix) above.

Without limiting the generality of the foregoing, the “Collateral” shall include all investment property and general intangibles respecting ownership and/or other equity interests in each Guarantor, including, without limitation, the shares of capital stock and the other equity interests listed on Schedule H hereto (as the same may be modified from time to time pursuant to the terms hereof), and any other shares of capital stock and/or other equity interests of any other direct or indirect subsidiary of any Debtor obtained in the future, and, in each case, all certificates representing such shares and/or equity interests and, in each case, all rights, options, warrants, stock, other securities and/or equity interests that may hereafter be received, receivable or distributed in respect of, or exchanged for, any of the foregoing and all rights arising under or in connection with the Pledged Securities, including, but not limited to, all dividends, interest and cash.

Notwithstanding the foregoing, nothing herein shall be deemed to constitute an assignment of any asset which, in the event of an assignment, becomes void by operation of applicable law or the assignment of which is otherwise prohibited by applicable law (in each case to the extent that such applicable law is not overridden by Sections 9-406, 9-407 and/or 9-408 of the UCC or other similar applicable law); provided, however, that, to the extent permitted by applicable law, this Agreement shall create a valid security interest in such asset and, to the extent permitted by applicable law, this Agreement shall create a valid security interest in the proceeds of such asset.

(b) “Intellectual Property” means the collective reference to all rights, priorities and privileges relating to intellectual property, whether arising under United States, multinational or foreign laws or otherwise, including, without limitation, (i) all copyrights arising under the laws of the United States, any other country or any political subdivision thereof, whether registered or unregistered and whether published or unpublished, all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, all registrations, recordings and applications in the United States Copyright Office, (ii) all letters patent of the United States, any other country or any political subdivision thereof, all reissues and extensions thereof, and all applications for letters patent of the United States or any other country and all divisions, continuations and continuations-in-part thereof, (iii) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade dress, service marks, logos, domain names and other source or business identifiers, and all goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith, whether in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, or otherwise, and all common law rights related thereto, (iv) all trade secrets arising under the laws of the United States, any other country or any political subdivision thereof, (v) all rights to obtain any reissues, renewals or extensions of the foregoing, (vi) all licenses for any of the foregoing, and (vii) all causes of action for infringement of the foregoing.

(c) “Majority in Interest” means, at any time of determination, the majority in interest (based on then-outstanding principal amounts of Notes at the time of such determination) of the Secured Parties.

(d) “Necessary Endorsement” means undated stock powers endorsed in blank or other proper instruments of assignment duly executed and such other instruments or documents as the Agent may reasonably request.

(e) “Obligations” means all of the liabilities and obligations (primary, secondary, direct, contingent, sole, joint or several) due or to become due, or that are now or may be hereafter contracted or acquired, or owing to, of any Debtor to the Secured Parties, including, without limitation, all obligations under this Agreement, the Securities, the other Transaction Documents (as defined in the Purchase Agreement), and any other instruments, agreements or other documents executed and/or delivered in connection herewith or therewith, in each case, whether now or hereafter existing, voluntary or involuntary, direct or indirect, absolute or contingent, liquidated or unliquidated, whether or not jointly owed with others, and whether or not from time to time decreased or extinguished and later increased, created or incurred, and all or any portion of such obligations or liabilities that are paid, to the extent all or any part of such payment is avoided or recovered directly or indirectly from any of the Secured Parties as a preference, fraudulent transfer or otherwise as such obligations may be amended, supplemented, converted, extended or modified from time to time. Without limiting the generality of the foregoing, the term “Obligations” shall include, without limitation: (i) principal of, interest, and any other amounts owed on the Notes as set forth in the Notes; (ii) any and all obligations due under the Transaction Documents (as defined in the Purchase Agreement), (iii) any and all other fees, indemnities, costs, obligations and liabilities of the Debtors from time to time under or in connection with this Agreement, the Securities, the other Transaction Documents (as defined in the Purchase Agreement) and any other instruments, agreements or other documents executed and/or delivered in connection herewith or therewith; and (iv) all amounts (including but not limited to post-petition interest) in respect of the foregoing that would be payable but for the fact that the obligations to pay such amounts are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving any Debtor.

(f) “Organizational Documents” means, with respect to any Debtor, the documents by which such Debtor was organized (such as articles of incorporation, certificate of incorporation, certificate of limited partnership or articles of organization, and including, without limitation, any certificates of designation for preferred stock or other forms of preferred equity) and which relate to the internal governance of such Debtor (such as bylaws, a partnership agreement or an operating, limited liability or members agreement).

(g) “Permitted Liens” shall have the meaning ascribed to such term in the Notes.

(h) “Pledged Interests” shall have the meaning ascribed to such term in Section 4(j).

(i) “Pledged Securities” shall have the meaning ascribed to such term in Section 4(i).

(j) “UCC” means the Uniform Commercial Code of the State of New York and any other applicable law of any state or states that has jurisdiction with respect to all, or any portion of, the Collateral or this Agreement, from time to time. It is the intent of the parties that defined terms in the UCC should be construed in their broadest sense so that the term

“Collateral” will be construed in its broadest sense. Accordingly, if there are, from time to time, changes to defined terms in the UCC that broaden the definitions, they are incorporated herein and if existing definitions in the UCC are broader than the amended definitions, the existing ones shall be controlling.

2. **Grant of Security Interest in Collateral.** As an inducement for the Secured Parties to fund the Debtor and to secure the complete and timely payment, performance and discharge in full, as the case may be, of all of the Obligations, each Debtor hereby unconditionally and irrevocably pledges, grants and hypothecates to the Secured Parties a perfected, first priority security interest in and to, a lien upon and a right of set-off against all of their respective right, title and interest of whatsoever kind and nature in and to, the Collateral (a “Security Interest” and, collectively, the “Security Interests”).

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3. **Delivery of Certain Collateral.** Contemporaneously or prior to the execution of this Agreement, each Debtor shall deliver or cause to be delivered to the Agent (a) any and all certificates and other instruments representing or evidencing the Pledged Securities, and (b) any and all certificates and other instruments or documents representing any of the other Collateral, in each case, together with all Necessary Endorsements. The Debtors are, contemporaneously with the execution hereof, delivering to Agent, or have previously delivered to the Agent, a true and correct copy of each Organizational Document governing any of the Pledged Securities.

4. **Representations, Warranties, Covenants and Agreements of the Debtors.** Except as set forth under the corresponding Section of the disclosure schedules delivered to the Secured Parties concurrently herewith (the “Disclosure Schedules”), which Disclosure Schedules shall be deemed a part hereof, each Debtor represents and warrants to, and covenants and agrees with, the Secured Parties as follows:

(a) Each Debtor has the requisite corporate, partnership, limited liability company or other power and authority to enter into this Agreement and otherwise to carry out its obligations hereunder. The execution, delivery and performance by each Debtor of this Agreement and the filings contemplated therein have been duly authorized by all necessary action on the part of such Debtor and no further action is required by such Debtor. This Agreement has been duly executed by each Debtor. This Agreement constitutes the legal, valid and binding obligation of each Debtor, enforceable against such Debtor in accordance with its terms except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization and similar laws of general application relating to or affecting the rights and remedies of creditors and by general principles of equity.

(b) The Debtors have no place of business or offices where their respective books of account and records are kept (other than temporarily at the offices of its attorneys or accountants) or places where Collateral is stored or located, except as set forth on Schedule A attached hereto. Except as specifically set forth on Schedule A, the Debtor is the record owner of the real property where such Collateral is located, and there exist no mortgages or other liens on any such real property except for Permitted Liens as set forth on Schedule A. Except as disclosed on Schedule A, none of such Collateral is in the possession of any consignee, bailee, warehouseman, agent or processor.

(c) Except for Permitted Liens and as set forth on Schedule B attached hereto, the Debtors are the sole owner of the Collateral (except for non-exclusive licenses granted by any Debtor in the ordinary course of business), free and clear of any liens, security interests, encumbrances, rights or claims, and are fully authorized to grant the Security Interests. Except as set forth on Schedule C attached hereto, there is not on file in any governmental or regulatory authority, agency or recording office an effective financing statement, security agreement, license or transfer or any notice of any of the foregoing (other than those that will be filed in favor of the Secured Parties pursuant to this Agreement) covering or affecting any of the Collateral. Except as set forth on Schedule C attached hereto and except pursuant to this Agreement, as long as this Agreement shall be in effect, the Debtors shall not execute and shall not knowingly permit to be on file in any such office or agency any other financing statement or other document or instrument (except to the extent filed or recorded in favor of the Secured Parties pursuant to the terms of this Agreement).

(d) No written claim has been received that any Collateral or any Debtor’s use of any Collateral violates the rights of any third party. There has been no adverse decision to any Debtor’s claim of ownership rights in or exclusive rights to use the Collateral in any jurisdiction or to any Debtor’s right to keep and maintain such Collateral in full force and effect, and there is no proceeding involving said rights pending or, to the best knowledge of any Debtor, threatened before any court, judicial body, administrative or regulatory agency, arbitrator or other governmental authority.

(e) Each Debtor shall at all times maintain its books of account and records relating to the Collateral at its principal place of business and its Collateral at the locations set forth on Schedule A attached hereto and may not relocate such books of account and records or tangible Collateral unless it delivers to the Secured Parties at least thirty (30) days prior to such relocation (i) written notice of such relocation and the new location thereof (which must be within the United States) and (ii) evidence that appropriate financing statements under the UCC and other necessary documents have been filed and recorded and other steps have been taken to perfect the Security Interests to create in favor of the Secured Parties a valid, perfected and continuing perfected first priority lien in the Collateral.

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(f) This Agreement creates in favor of the Secured Parties a valid first priority security interest in the Collateral, subject only to Permitted Liens, securing the payment and performance of the Obligations. Upon making the filings described in the immediately following paragraph, all security interests created hereunder in any Collateral which may be perfected by filing Uniform Commercial Code financing statements shall have been duly perfected. Except for (i) the filing of the Uniform Commercial Code financing statements referred to in the immediately following paragraph, (ii) the recordation of the Intellectual Property Security Agreement (as defined in Section 4(p) hereof) with respect to copyrights and copyright applications in the United States Copyright Office referred to in paragraph (mm), (iii) the recordation of the Intellectual Property Security Agreement (as defined in Section 4(p) hereof) with respect to patents and trademarks of each Debtor in the United States Patent and Trademark Office referred to in paragraph (oo), (iv) the execution and delivery of deposit account control agreements satisfying the requirements of Section 9-104(a)(2) of the UCC with respect to each deposit account of the Debtors, (v) if there is any investment property or deposit account included as Collateral that can be perfected by “control” through an account control agreement, the execution and delivery of securities account control agreements satisfying the requirements of 9-106 of the UCC with respect to each such investment property of each Debtor, and (vi) the delivery of the certificates and other instruments provided in Section 3, Section 4(aa) and Section 4(cc), no action is necessary to create, perfect or protect the Security Interests created hereunder. Without limiting the generality of the foregoing, except for the foregoing, no consent of any third parties and no authorization, approval or other action by, and no notice to or filing with, any governmental authority or regulatory body is required for (x) the execution, delivery and performance of this Agreement, (y) the creation or perfection of the Security Interests created hereunder in the Collateral or (z) the enforcement of the rights of the Agent and the Secured Parties hereunder.

(g) Each Debtor hereby authorizes the Agent to file one or more financing statements under the UCC, with respect to the Security Interests, with the proper filing and recording agencies in any jurisdiction deemed proper by it.

(h) The execution, delivery and performance of this Agreement by the Debtors does not (i) violate any of the provisions of any Organizational Documents of any Debtor or any judgment, decree, order or award of any court, governmental body or arbitrator or any applicable law, rule or regulation applicable to any Debtor 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, 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 any Debtor’s debt or otherwise) or other understanding to which any Debtor is a party or by which any property or asset of the Debtor is bound or affected. If any, all required consents (including, without limitation, from stockholders or creditors of any Debtor) necessary for any Debtor to enter into and perform its obligations hereunder have been obtained.

(i) The capital stock and other equity interests listed on Schedule H hereto (the “Pledged Securities”) represent all capital stock and other equity interests owned, directly or indirectly, by the Company. All of the Pledged Securities are validly issued, fully paid and nonassessable, and the Company is the legal and beneficial owner of the Pledged Securities, free and clear of any lien, security interest or other encumbrance except for the Security Interests created by this Agreement and other Permitted Liens.

(j) The ownership and other equity interests in partnerships and limited liability companies (if any) included in the Collateral (the “Pledged Interests”) by their express terms do not provide that they are securities governed by Article 8 of the UCC and are not held in a securities account or by any financial intermediary.

(k) Except for Permitted Liens, each Debtor shall at all times maintain the liens and Security Interests provided for hereunder as valid and perfected, first priority liens and security interests in the Collateral in favor of the Secured Parties until this Agreement and the Security Interest hereunder shall be terminated pursuant to Section 14 hereof. Each Debtor hereby agrees to defend the same against the claims of any and all persons and entities. Each Debtor shall safeguard and protect all Collateral for the account of the Secured Parties. At the request of the Agent, each Debtor will sign and deliver to the Agent at any time or from time to time one or more financing statements pursuant to the UCC in form reasonably satisfactory to the Agent and will pay the cost of filing the same in all public offices wherever filing is, or is deemed by the Agent to be, necessary or desirable to effect the rights and obligations provided for herein. Without limiting the generality of the foregoing, each Debtor shall pay all fees, taxes and other amounts necessary to maintain the Collateral and the Security Interests hereunder, and each Debtor shall obtain and furnish to the Agent from time to time, upon demand, such releases and/or subordinations of claims and liens which may be required to maintain the priority of the Security Interests hereunder.

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(l) No Debtor will transfer, pledge, hypothecate, encumber, license, sell or otherwise dispose of any of the Collateral (except for non-exclusive licenses granted by a Debtor in its ordinary course of business, sales of inventory by a Debtor in its ordinary course of business and the replacement of worn-out or obsolete equipment by a Debtor in its ordinary course of business) without the prior written consent of the Agent.

(m) Each Debtor shall keep and preserve its equipment, inventory and other tangible Collateral in good condition, repair and order and shall not operate or locate any such Collateral (or cause to be operated or located) in any area excluded from insurance coverage.

(n) Each Debtor shall maintain with financially sound and reputable insurers, insurance with respect to the Collateral, including Collateral hereafter acquired, against loss or damage of the kinds and in the amounts customarily insured against by entities of established reputation having similar properties similarly situated and in such amounts as are customarily carried under similar circumstances by other such entities and otherwise as is prudent for entities engaged in similar businesses but in any event sufficient to cover the full replacement cost thereof. Each Debtor shall cause each insurance policy issued in connection herewith to provide, and the insurer issuing such policy to certify to the Agent, that (a) the Agent will be named as lender-loss-payee and additional insured under each such insurance policy; (b) if such insurance be proposed to be cancelled or materially changed for any reason whatsoever, such insurer will promptly notify the Agent and such cancellation or change shall not be effective as to the Agent for at least thirty (30) days after receipt by the Agent of such notice, unless the effect of such change is to extend or increase coverage under the policy; and (c) the Agent will have the right (but no obligation) at its election to remedy any default in the payment of premiums within thirty (30) days of notice from the insurer of such default. If no Event of Default (as defined in the Note) exists and if the proceeds arising out of any claim or series of related claims do not exceed \$100,000, loss payments in each instance will be applied by the Debtor to the repair and/or replacement of property with respect to which the loss was incurred to the extent reasonably feasible, and any loss payments or the balance thereof remaining, to the extent not so applied, shall be payable to the Debtor; provided, however, that payments received by any Debtor after an Event of Default (as defined in the Note) or an Event of Default occurs and is continuing or in excess of \$100,000 for any occurrence or series of related occurrences, upon approval by the Agent, which approval shall not be unreasonably withheld, delayed, denied or conditioned, loss payments in each instance will be applied by the Debtor to the repair and/or replacement of property with respect to which the loss was incurred to the extent reasonably feasible, and any loss payments or the balance thereof remaining, to the extent not so applied, shall be paid to the Agent and, if received by such Debtor, shall be held in trust for the Agent and immediately paid over to the Agent unless otherwise directed in writing by the Agent. Copies of such policies or the related certificates, in each case, naming the Agent as lender-loss-payee and additional insured shall be delivered to the Agent at least annually and at the time any new policy of insurance is issued.

(o) Each Debtor shall, within ten (10) days of obtaining knowledge thereof, advise the Secured Parties, in sufficient detail, of any material adverse change in the Collateral, and of the occurrence of any event that would have a material adverse effect on the value of the Collateral or on the Secured Parties' Security Interest therein.

(p) Each Debtor shall promptly execute and deliver to the Agent such further deeds, mortgages, assignments, security agreements, financing statements or other instruments, documents, certificates and assurances and take such further action as the Agent may from time to time request and may in its sole discretion deem necessary to perfect, protect or enforce the Secured Parties' security interest in the Collateral, including, without limitation, if applicable, the execution and delivery of a separate security agreement with respect to each Debtor's Intellectual Property (“Intellectual Property Security Agreement”) in which the Secured Parties have been granted a security interest hereunder, substantially in a form reasonably acceptable to the Agent, which Intellectual Property Security Agreement, other than as stated therein, shall be subject to all of the terms and conditions hereof.

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(q) Upon reasonable prior notice (so long as no Event of Default (as defined in the Note) or a breach under any of the Transaction Documents (as defined in the Purchase Agreement) has occurred or continuing, which in either such event, no prior notice is required), each Debtor shall permit the Agent and its representatives and agents to inspect the Collateral during normal business hours and to make copies of records pertaining to the Collateral as may be reasonably requested by the Agent from time to time.

(r) Each Debtor shall take all steps reasonably necessary to diligently pursue and seek to preserve, enforce and collect any rights, claims, causes of action and accounts receivable in respect of the Collateral.

(s) Each Debtor shall promptly notify the Secured Parties in sufficient detail upon becoming aware of any attachment, garnishment, execution or other legal process levied against any Collateral and of any other information received by such Debtor that may materially affect the value of the Collateral, the Security Interest or the rights and remedies of the Secured Parties hereunder.

(t) All information heretofore, herein or hereafter supplied to the Secured Parties by or on behalf of each Debtor with respect to the Collateral is accurate and complete in all material respects as of the date furnished.

(u) Each Debtor shall at all times preserve and keep in full force and effect their respective valid existence and good standing and any rights and franchises material to its business.

(v) No Debtor will change its name, type of organization, jurisdiction of organization, organizational identification number (if it has one), legal or corporate structure, or identity, or add any new fictitious name unless it provides at least thirty (30) days' prior written notice to the Secured Parties of such change and, at the time of such written notification, such Debtor provides any financing statements or fixture filings necessary to perfect and continue the perfection of the Security Interests granted and evidenced by this Agreement.

(w) Except in the ordinary course of business, no Debtor may consign any of its inventory or sell any of its inventory on bill-and-hold, sale-or-return, sale-on-approval, or other conditional terms of sale without the consent of the Agent, which shall not be unreasonably withheld, delayed, denied, or conditioned.

(x) No Debtor may relocate its chief executive office to a new location without providing thirty (30) days' prior written notification thereof to the Secured Parties and so long as, at the time of such written notification, such Debtor provides any financing statements or fixture filings necessary to perfect and continue the perfection of the Security Interests granted and evidenced by this Agreement.

(y) Each Debtor was organized and remains organized solely under the laws of the state of Delaware.

(z) (i) The actual name of each Debtor is the name set forth in Schedule D attached hereto; (ii) no Debtor has trade names except as set forth on Schedule E attached hereto; (iii) no Debtor has used any name other than that stated in the preamble hereto or as set forth on Schedule E for the preceding five (5) years; and (iv) no entity has merged into any Debtor or been acquired by any Debtor within the past five years except as set forth on Schedule E.

(aa) At any time and from time to time that any Collateral consists of instruments, certificated securities or other items that require or permit possession by the Secured Parties to perfect the Security Interest created hereby, each Debtor shall deliver such Collateral to the Secured Parties.

(bb) Each Debtor, in its capacity as issuer, hereby agrees to comply with any and all orders and instructions of the Agent regarding the Pledged Interests consistent with the terms of this Agreement without the further consent of any Debtor as contemplated by Section 8-106 (or any successor section) of the UCC. Further, each Debtor agrees that it shall not enter into a similar agreement (or one that would confer "control" within the meaning of Article 8 of the UCC) with any other person or entity.

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(cc) Each Debtor shall cause all tangible chattel paper constituting Collateral to be delivered to the Agent, or, if such delivery is not possible, then to cause such tangible chattel paper to contain a legend noting that it is subject to the Security Interest created by this Agreement. To the extent that any Collateral consists of electronic chattel paper, each Debtor shall cause the underlying chattel paper to be "marked" within the meaning of Section 9-105 of the UCC (or successor Section thereto).

(dd) If there is any investment property or deposit account included as Collateral that can be perfected by "control" through an account control agreement, the applicable Debtor shall cause such an account control agreement, in form and substance in each case satisfactory to the Agent, to be entered into and delivered to the Agent.

(ee) To the extent that any Collateral consists of letter-of-credit rights, the applicable Debtor shall cause the issuer of each underlying letter of credit to consent to an assignment of the proceeds thereof to the Agent.

(ff) To the extent that any Collateral is in the possession of any third party, the applicable Debtor shall join with the Agent in notifying such third party of the Secured Parties' Security Interest in such Collateral and shall use its best efforts to obtain an acknowledgement and agreement from such third party with respect to the Collateral, in form and substance reasonably satisfactory to the Agent.

(gg) If any Debtor shall at any time hold or acquire a commercial tort claim, such Debtor shall promptly notify the Secured Parties in a writing signed by such Debtor of the particulars thereof and grant to the Secured Parties in such writing a security interest therein and in the proceeds thereof, all upon the terms of this Agreement, with such writing to be in form and substance satisfactory to the Secured Parties.

(hh) Each Debtor shall immediately provide written notice to the Secured Parties of any and all accounts that are equal to or in excess of \$1 million and which arise out of contracts with any governmental authority and, to the extent necessary to perfect or continue the perfected status of the Security Interests in such accounts and proceeds thereof, shall execute and deliver to the Agent an assignment of claims for such accounts and cooperate with the Agent in taking any other steps required, in its judgment, under the Federal Assignment of Claims Act or any similar federal, state or local statute or rule to perfect or continue the perfected status of the Security Interests in such accounts and proceeds thereof.

(ii) [Intentionally Deleted].

(jj) Each Debtor shall vote the Pledged Securities to comply with the covenants and agreements set forth herein and in the Transaction Documents (as defined in the Purchase Agreement).

(kk) Each Debtor shall register the pledge of the applicable Pledged Securities on the books of such Debtor. Each Debtor shall notify each issuer of Pledged Securities to register the pledge of the applicable Pledged Securities in the name of the Secured Parties on the books of such issuer. Further, except with respect to certificated securities delivered to the Agent, the applicable Debtor shall deliver to the Agent an acknowledgement of pledge (which, where appropriate, shall comply with the requirements of the relevant UCC with respect to perfection by registration) signed by the issuer of the applicable Pledged Securities, which acknowledgement shall confirm that: (a) it has registered the pledge on its books and records; and (b) at any time directed by the Agent during the continuation of an Event of Default, such issuer will transfer the record ownership of such Pledged Securities into the name of any designee of the Agent, will take such steps as may be necessary to effect the transfer, and will comply with all other instructions of the Agent regarding such Pledged Securities without the further consent of the applicable Debtor.

(ll) In the event that, upon an occurrence of an Event of Default, the Secured Parties shall sell all or any of the Pledged Securities to another party or parties (herein called the "Transferee") or shall purchase or retain all or any of the Pledged Securities, each Debtor shall, to the extent applicable: (i) deliver to the Agent or the Transferee, as the case may be, the articles of incorporation, bylaws, minute books, stock certificate books, corporate seals, deeds, leases, indentures, agreements, evidences of indebtedness, books of account, financial records and all other Organizational Documents and records of such Debtor and their direct and indirect subsidiaries (but not including any items subject to the attorney-client privilege related to this Agreement or any of the transactions hereunder); (ii) use its best efforts to obtain resignations of the persons then serving as officers and directors of such Debtor and their direct and indirect subsidiaries, if so requested; and (iii) use its best efforts to obtain any approvals that are required by any governmental or regulatory body in order to permit the sale of the Pledged Securities to the Transferee or the purchase or retention of the Pledged Securities by the Agent and allow the Transferee or the Agent to continue the business of such Debtor and their direct and indirect subsidiaries.

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(mm) Without limiting the generality of the other obligations of the Debtors hereunder, each Debtor shall promptly (i) cause to be registered at the United States Copyright Office all of its material copyrights, (ii) cause the Security Interest contemplated hereby with respect to all Intellectual Property registered at the United States Copyright Office or United States Patent and Trademark Office to be duly recorded at the applicable office, and (iii) give the Agent notice whenever it acquires (whether absolutely or by license) or creates any additional material Intellectual Property.

(nn) Each Debtor will from time to time, at the expense of such Debtor, promptly execute and deliver all such further instruments and documents, and take all such further action as may be necessary or desirable, or as the Agent may reasonably request, in order to perfect and protect any Security Interest granted or purported to be granted hereby or to enable the Agent to exercise and enforce their rights and remedies hereunder and with respect to any Collateral or to otherwise carry out the purposes of this Agreement.

(oo) Schedule F attached hereto lists all of the patents, patent applications, trademarks, trademark applications, registered copyrights, and domain names owned by any of the Debtors as of the date hereof. Schedule F lists all material licenses in favor of any Debtor for the use of any patents, trademarks, copyrights and domain names as of the date hereof. All material patents and trademarks of the Debtors have been duly recorded at the United States Patent and Trademark Office and all material copyrights of the Debtors have been duly recorded at the United States Copyright Office.

(pp) Except as set forth on Schedule G attached hereto, none of the account debtors or other persons or entities obligated on any of the Collateral is a governmental authority covered by the Federal Assignment of Claims Act or any similar federal, state or local statute or rule in respect of such Collateral.

(qq) Until the Obligations shall have been paid and performed in full, the Company covenants that it shall promptly direct any direct or indirect subsidiary of the Company formed or acquired after the date hereof to enter into the Guarantee in favor of the Secured Parties.

5. **Effect of Pledge on Certain Rights.** If any of the Collateral subject to this Agreement consists of nonvoting equity or ownership interests (regardless of class, designation, preference or rights) that may be converted into voting equity or ownership interests upon the occurrence of certain events (including, without limitation, upon the transfer of all or any of the other stock or assets of the issuer), it is agreed by each Debtor that the pledge of such equity or ownership interests pursuant to this Agreement or the enforcement of any of the Secured Parties' rights hereunder shall not be deemed to be the type of event which would trigger such conversion rights notwithstanding any provisions in the Organizational Documents or agreements to which any Debtor is subject or to which any Debtor is party.

6. **Defaults.** The following events shall be "Events of Default":

- (a) The occurrence of an Event of Default (as defined in the Note);
- (b) The occurrence of an event of default or material breach under any Transaction Documents (as defined in the Purchase Agreement);

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(c) Any representation or warranty of any Debtor in this Agreement shall prove to have been incorrect in any material respect when made;

(d) The failure by any Debtor to observe or perform any of its obligations hereunder for five (5) days after delivery to such Debtor of notice of such failure by or on behalf of a Secured Party unless such default is capable of cure but cannot be cured within such time frame and such Debtor is using commercially reasonable best efforts to cure same in a timely fashion; or

(e) If any provision of this Agreement shall at any time for any reason be declared to be null and void, or the validity or enforceability thereof shall be contested by any Debtor, or a proceeding shall be commenced by any Debtor, or by any governmental authority having jurisdiction over any Debtor, seeking to establish the invalidity or unenforceability thereof, or any Debtor shall deny that such Debtor has any liability or obligation purported to be created under this Agreement.

7. **Duty to Hold in Trust.**

(a) Upon the occurrence of any Event of Default and at any time thereafter, the Debtor shall, upon receipt of any revenue, income, dividend, interest or other sums subject to the Security Interests, whether payable pursuant to the Transaction Documents (as defined in the Purchase Agreement) or otherwise, or of any check, draft, note, trade acceptance or other instrument evidencing an obligation to pay any such sum, hold the same in trust for the Secured Parties and shall forthwith endorse and transfer any such sums or instruments, or both, to the Secured Parties, pro-rata in proportion to their respective then-currently issued and outstanding Principal Amount (as defined in the Note) for application to the satisfaction of the Obligations.

(b) If the Debtor shall become entitled to receive or shall receive any securities or other property (including, without limitation, shares of Pledged Securities or instruments representing Pledged Securities acquired after the date hereof, or any options, warrants, rights or other similar property or certificates representing a dividend, or any distribution in connection with any recapitalization, reclassification or increase or reduction of capital, or issued in connection with any reorganization of the Debtor or any of its direct or indirect subsidiaries) in respect of the Pledged Securities (whether as an addition to, in substitution of, or in exchange for, such Pledged Securities or otherwise), the Debtor agrees to (i) accept the same as the agent of the Secured Parties; (ii) hold the same in trust on behalf of and for the benefit of the Secured Parties; and (iii) to deliver any and all certificates or instruments evidencing the same to the Secured Parties on or before the close of business on the fifth (5th) business day following the receipt thereof by the Debtor, in the exact form received together with the Necessary Endorsements, to be held by the Agent subject to the terms of this Agreement as Collateral.

8. **Rights and Remedies Upon Default.**

(a) Upon the occurrence of any Event of Default and at any time thereafter, the Secured Parties, acting through the Agent, shall have the right to exercise all of the remedies conferred hereunder and under the Transaction Documents (as defined in the Purchase Agreement), and the Secured Parties shall have all the rights and remedies of a secured party under the UCC. Without limitation, upon the occurrence of any Event of Default and at any time thereafter, the Secured Parties, acting through the Agent, shall have the following rights and powers:

(i) The Agent shall have the right to take possession of the Collateral and, for that purpose, enter, with the aid and assistance of any person, any premises where the Collateral, or any part thereof, is or may be placed and remove the same, and each Debtor shall assemble the Collateral and make it available to the Agent at places which the Agent shall reasonably select, whether at such Debtor's premises or elsewhere, and make available to the Agent, without rent, all of such Debtor's respective premises and facilities for the purpose of the Agent taking possession of, removing or putting the Collateral in saleable or disposable form.

(ii) Upon notice to the Debtor by the Agent, all rights of each Debtor to exercise the voting and other consensual rights which it would otherwise be entitled to exercise and all rights of each Debtor to receive the dividends and interest which it would otherwise be authorized to receive and retain, shall cease. Upon such notice, the Agent shall have the right to receive any interest, cash dividends or other payments on the Collateral and, at the option of the Agent, to exercise in its discretion all voting rights pertaining thereto. Without limiting the generality of the foregoing, the Agent shall have the right (but not the obligation) to exercise all rights with respect to the Collateral as it were the sole and absolute owner thereof, including, without limitation, to vote and/or to exchange, at its sole discretion, any or all of the Collateral in connection with a merger, reorganization, consolidation, recapitalization or other readjustment concerning or involving the Collateral or any Debtor or any of its direct or indirect subsidiaries.

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(iii) The Agent shall have the right to operate the business of the Debtor using the Collateral and shall have the right to assign, sell, lease or otherwise dispose of and deliver all or any part of the Collateral, at public or private sale or otherwise, either with or without special conditions or stipulations, for cash or on credit or for future delivery, in such parcel or parcels and at such time or times and at such place or places, and upon such terms and conditions as the Agent may deem commercially reasonable, all without (except as shall be required by applicable statute and cannot be waived) advertisement or demand upon or notice to the Debtor or right of redemption of a Debtor, which are hereby expressly waived. Upon each such sale, lease, assignment or other transfer of Collateral, the Agent may, unless prohibited by applicable law which cannot be waived, purchase all or any part of the Collateral being sold, free from and discharged of all trusts, claims, right of redemption and equities of any Debtor, which are hereby waived and released.

(iv) The Agent shall have the right (but not the obligation) to notify any account debtors and any obligors under instruments or accounts to make payments directly to the Agent and to enforce the Debtors' rights against such account debtors and obligors.

(v) The Agent may (but are not obligated to) direct any financial intermediary or any other person or entity holding any investment property to transfer the same to the Agent or its designees.

(vi) The Agent may (but is not obligated to) transfer any or all Intellectual Property registered in the name of the Debtor at the United States Patent and Trademark Office and/or Copyright Office into the name of the Agent or any designee or any purchaser of any Collateral.

(b) The Agent shall comply with any applicable law in connection with a disposition of Collateral and such compliance will not be considered adversely to affect the

commercial reasonableness of any sale of the Collateral. The Agent may sell the Collateral without giving any warranties and may specifically disclaim such warranties. If the Agent sells any of the Collateral on credit, the Debtors will only be credited with payments actually made by the purchaser. In addition, each Debtors waives (except as shall be required by applicable statute and cannot be waived) any and all rights that it may have to a judicial hearing in advance of the enforcement of the Agent's rights and remedies hereunder, including, without limitation, its right following an Event of Default to take immediate possession of the Collateral and to exercise its rights and remedies with respect thereto.

(c) For the purpose of enabling the Agent to further exercise rights and remedies under this Section 8 or elsewhere provided by agreement or applicable law, each Debtor hereby grants to the Agent an irrevocable, nonexclusive license (exercisable without payment of royalty or other compensation to such Debtor) to use, license or sublicense following an Event of Default, any Intellectual Property now owned or hereafter acquired by such Debtor, and wherever the same may be located, and including in such license access to all media in which any of the licensed items may be recorded or stored and to all computer software and programs used for the compilation or printout thereof.

9. **Applications of Proceeds.** The proceeds of any such sale, lease or other disposition of the Collateral hereunder or from payments made on account of any insurance policy insuring any portion of the Collateral shall be applied first, to the expenses of retaking, holding, storing, processing and preparing for sale, selling, and the like (including, without limitation, any taxes, fees and other costs incurred in connection therewith) of the Collateral, to the reasonable attorneys' fees and expenses incurred by the Agent in enforcing the rights of the Secured Parties hereunder and in connection with collecting, storing and disposing of the Collateral, and then to satisfaction of the Obligations pro rata among the Secured Parties (based on then issued and outstanding Securities at the time of any such determination), and to the payment of any other amounts required by applicable law, after which the Secured Parties shall pay to the applicable Debtor any surplus proceeds. If, upon the sale, license or other disposition of the Collateral, the proceeds thereof are insufficient to pay all amounts to which the Secured Parties are legally entitled, the Debtors will be liable for the deficiency, together with interest thereon, at the rate of 12.5% per annum or the lesser amount permitted by applicable law (the "Default Rate"), and the reasonable fees of any attorneys employed by the Secured Parties to collect such deficiency. To the extent permitted by applicable law, each Debtor waives all claims, damages and demands against the Secured Parties arising out of the repossession, removal, retention or sale of the Collateral, unless due solely to the gross negligence or willful misconduct of the Secured Parties as determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction.

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10. **Securities Law Provision.** Each Debtor recognizes that the Agent may be limited in its ability to effect a sale to the public of all or part of the Pledged Securities by reason of certain prohibitions in the Securities Act of 1933, as amended, or other federal or state securities laws (collectively, the "Securities Laws"), and may be compelled to resort to one or more sales to a restricted group of purchasers who may be required to agree to acquire the Pledged Securities for their own account, for investment and not with a view to the distribution or resale thereof. Each Debtor agrees that sales so made may be at prices and on terms less favorable than if the Pledged Securities were sold to the public, and that the Agent has no obligation to delay the sale of any Pledged Securities for the period of time necessary to register the Pledged Securities for sale to the public under the Securities Laws. Each Debtor shall cooperate with the Agent in its attempt to satisfy any requirements under the Securities Laws (including, without limitation, registration thereunder if requested by the Agent) applicable to the sale of the Pledged Securities by the Agent.

11. **Costs and Expenses.** Each Debtor agrees to pay all reasonable out-of-pocket fees, costs and expenses incurred in connection with any filing required hereunder, including without limitation, any financing statements pursuant to the UCC, continuation statements, partial releases and/or termination statements related thereto, or any expenses of any searches reasonably required by the Agent. The Debtors shall also pay all other claims and charges which in the reasonable opinion of the Agent is reasonably likely to prejudice, imperil or otherwise affect the Collateral or the Security Interests therein. The Debtors will also, upon demand, pay to the Agent the amount of any and all reasonable expenses, including the reasonable fees and expenses of its counsel and of any experts and agents, which the Agent may incur in connection with the creation, perfection, protection, satisfaction, foreclosure, collection or enforcement of the Security Interest and the preparation, administration, continuance, amendment or enforcement of this Agreement and pay to the Agent the amount of any and all reasonable expenses, including the reasonable fees and expenses of its counsel and of any experts and agents, which the Agent may incur in connection with (i) the enforcement of this Agreement, (ii) the custody or preservation of, or the sale of, collection from, or other realization upon, any of the Collateral, or (iii) the exercise or enforcement of any of the rights of the Secured Parties under the Transaction Documents (as defined in the Purchase Agreement). Until so paid, any fees payable hereunder shall be added to the amounts owed under the Transaction Documents (as defined in the Purchase Agreement) and shall bear interest at the Default Rate.

12. **Responsibility for Collateral.** The Debtors assume all liabilities and responsibility in connection with all Collateral, and the Obligations shall in no way be affected or diminished by reason of the loss, destruction, damage or theft of any of the Collateral or its unavailability for any reason. Without limiting the generality of the foregoing and except as required by applicable law, (a) neither the Agent nor any Secured Party (i) has any duty (either before or after an Event of Default) to collect any amounts in respect of the Collateral or to preserve any rights relating to the Collateral, or (ii) has any obligation to clean-up or otherwise prepare the Collateral for sale, and (b) each Debtor shall remain obligated and liable under each contract or agreement included in the Collateral to be observed or performed by such Debtor thereunder. Neither the Agent nor any Secured Party shall have any obligation or liability under any such contract or agreement by reason of or arising out of this Agreement or the receipt by the Agent or any Secured Party of any payment relating to any of the Collateral, nor shall the Agent or any Secured Party be obligated in any manner to perform any of the obligations of any Debtor under or pursuant to any such contract or agreement, to make inquiry as to the nature or sufficiency of any payment received by the Agent or any Secured Party in respect of the Collateral or as to the sufficiency of any performance by any party under any such contract or agreement, to present or file any claim, to take any action to enforce any performance or to collect the payment of any amounts which may have been assigned to the Agent or any Secured Party or to which the Agent or any Secured Party may be entitled at any time or times.

13. **Security Interests Absolute.** All rights of the Secured Parties and all obligations of the Debtors hereunder, shall be absolute and unconditional, irrespective of: (a) any lack of validity or enforceability of this Agreement, the Securities, the Transaction Documents (as defined in the Purchase Agreement), or any agreement entered into in connection with the foregoing, or any portion hereof or thereof, against the Debtor; (b) any change in the time, manner or place of payment or performance of, or in any other term of, all or any of the Obligations, or any other amendment or waiver of or any consent to any departure from the Transaction Documents (as defined in the Purchase Agreement) or any other agreement entered into in connection with the foregoing; (c) any exchange, release or nonperfection of any of the Collateral, or any release or amendment or waiver of or consent to departure from any other collateral for, or any guarantee, or any other security, for all or any of the Obligations; (d) any action by the Secured Parties to obtain, adjust, settle and cancel in their sole discretion any insurance claims or matters made or arising in connection with the Collateral; or (e) any other circumstance which might otherwise constitute any legal or equitable defense available to a Debtor, or a discharge of all or any part of the Security Interests granted hereby. Until the Obligations shall have been paid and performed in full, the rights of the Secured Parties shall continue even if the Obligations are barred for any reason, including, without limitation, the running of the statute of limitations. Each Debtor expressly waives presentment, protest, notice of protest, demand, notice of nonpayment and demand for performance. In the event that at any time any transfer of any Collateral or any payment received by the Secured Parties hereunder shall be deemed by final order of a court of competent jurisdiction to have been a voidable preference or fraudulent conveyance under the bankruptcy or insolvency laws of the United States, or shall be deemed to be otherwise due to any party other than the Secured Parties, then, in any such event, each Debtor's obligations hereunder shall survive cancellation of this Agreement, and shall not be discharged or satisfied by any prior payment thereof and/or cancellation of this Agreement, but shall remain a valid and binding obligation enforceable in accordance with the terms and provisions hereof. Each Debtor waives all right to require the Secured Parties to proceed against any other person or entity or to apply any Collateral which the Secured Parties may hold at any time, or to marshal assets, or to pursue any other remedy. Each Debtor waives any defense arising by reason of the application of the statute of limitations to any obligation secured hereby.

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14. **Term of Agreement.** This Agreement shall terminate on the date on which all payments under the Securities and the Transaction Documents (as defined in the Purchase Agreement) (have been indefeasibly paid in full and all other Obligations have been paid or discharged; provided, however, that all indemnities of the Debtor contained in this Agreement shall survive and remain operative and in full force and effect regardless of the termination of this Agreement.

15. **Power of Attorney; Further Assurances.**

(a) Each Debtor authorizes the Agent, and does hereby make, constitute and appoint the Agent and its officers, agents, successors or assigns with full power of

substitution, as such Debtor's true and lawful attorney-in-fact, with power, in the name of the Agent or such Debtor, to, after the occurrence and during the continuance of an Event of Default, (i) endorse any note, checks, drafts, money orders or other instruments of payment (including payments payable under or in respect of any policy of insurance) in respect of the Collateral that may come into possession of the Agent; (ii) to sign and endorse any financing statement pursuant to the UCC or any invoice, freight or express bill, bill of lading, storage or warehouse receipts, drafts against debtors, assignments, verifications and notices in connection with accounts, and other documents relating to the Collateral; (iii) to pay or discharge taxes, liens, security interests or other encumbrances at any time levied or placed on or threatened against the Collateral; (iv) to demand, collect, receipt for, compromise, settle and sue for monies due in respect of the Collateral; (v) to transfer any Intellectual Property or provide licenses respecting any Intellectual Property; and (vi) generally, at the option of the Agent, and at the expense of the Debtors, at any time, or from time to time, to execute and deliver any and all documents and instruments and to do all acts and things which the Agent deems necessary to protect, preserve and realize upon the Collateral and the Security Interests granted therein in order to effect the intent of this Agreement and the Transaction Documents (as defined in the Purchase Agreement) all as fully and effectually as the Debtors might or could do; and each Debtor hereby ratifies all that said attorney shall lawfully do or cause to be done by virtue hereof. This power of attorney is coupled with an interest and shall be irrevocable for the term of this Agreement and thereafter as long as any of the Obligations shall be outstanding. The designation set forth herein shall be deemed to amend and supersede any inconsistent provision in the Organizational Documents or other documents or agreements to which any Debtor is subject or to which any Debtor is a party. Without limiting the generality of the foregoing, after the occurrence and during the continuance of an Event of Default, each Secured Party is specifically authorized to execute and file any applications for or instruments of transfer and assignment of any patents, trademarks, copyrights or other Intellectual Property with the United States Patent and Trademark Office and the United States Copyright Office.

(b) On a continuing basis, each Debtor will make, execute, acknowledge, deliver, file and record, as the case may be, with the proper filing and recording agencies in any jurisdiction, including, without limitation, the jurisdictions indicated on Schedule C attached hereto, all such instruments, and take all such action as may reasonably be deemed necessary or advisable, or as reasonably requested by the Agent, to perfect the Security Interests granted hereunder and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to the Agent the grant or perfection of a perfected security interest in all the Collateral under the UCC.

(c) Each Debtor hereby irrevocably appoints the Agent as such Debtor's attorney-in-fact, with full authority in the place and instead of such Debtor and in the name of such Debtor, from time to time in the Agent's discretion, to take any action and to execute any instrument which the Agent may deem necessary or advisable to accomplish the purposes of this Agreement, including the filing, in its sole discretion, of one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of such Debtor where permitted by law, which financing statements may (but need not) describe the Collateral as "all assets" or "all personal property" or words of like import, and ratifies all such actions taken by the Agent. This power of attorney is coupled with an interest and shall be irrevocable for the term of this Agreement and thereafter as long as any of the Obligations shall be outstanding.

16. **Notices.** All notices, requests, demands and other communications hereunder shall be subject to the notice provision of the Purchase Agreement.

17. **Other Security.** To the extent that the Obligations are now or hereafter secured by property other than the Collateral or by the guarantee, endorsement or property of any other person, firm, corporation or other entity, then the Agent shall have the right, in its sole discretion, to pursue, relinquish, subordinate, modify or take any other action with respect thereto, without in any way modifying or affecting any of the Secured Parties' rights and remedies hereunder.

18. **Appointment of Agent.** The Secured Parties hereby appoint the Agent to act as their agent for purposes of exercising any and all rights and remedies of the Secured Parties hereunder. The Agent, by its signature below, accepts such appointment. Such appointment shall continue until revoked in writing by a Majority in Interest, at which time a Majority in Interest shall appoint a new collateral agent, provided that the Agent may not be removed as collateral agent unless the Agent shall then hold less than \$250,000 in principal amount of Notes; provided, further, that such removal may occur only if each of the other Secured Parties shall then hold not less than an aggregate of \$500,000 in principal amount of Notes. The Agent shall have the rights, responsibilities and immunities set forth in Annex A hereto.

19. Miscellaneous.

(a) No course of dealing between the Debtors and the Secured Parties, nor any failure to exercise, nor any delay in exercising, on the part of the Secured Parties, any right, power or privilege hereunder or under the Transaction Documents (as defined in the Purchase Agreement) shall operate as a waiver thereof; nor shall any single or partial exercise of any right, power or privilege hereunder or thereunder preclude any other or further exercise thereof or the exercise of any other right, power or privilege.

(b) All of the rights and remedies of the Secured Parties with respect to the Collateral, whether established hereby, the Securities or the Transaction Documents (as defined in the Purchase Agreement) or by any other agreements, instruments or documents or by law shall be cumulative and may be exercised singly or concurrently.

(c) This Agreement, together with the exhibits and schedules hereto, contains the entire understanding of the parties with respect to the subject matter hereof and supersedes all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into this Agreement and the exhibits and schedules hereto. 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 Debtors, the Agent and the Secured Parties holding a Majority in Interest or more of the Principal Amount, as defined in the Notes, then issued and outstanding, or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought provided, however, that no such waiver, modification, supplement or amendment, as applied to any provision of this Agreement, shall, without the written consent of that particular Secured Party disproportionately and adversely affect any rights under this Agreement of such Secured Party.

(d) 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.

(e) 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.

(f) This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Debtors may not assign this Agreement or any rights or obligations hereunder without the prior written consent of each Secured Party (other than by merger). Any Secured Party may assign any or all of its rights under this Agreement to any Person (as defined in the Purchase Agreement) to whom such Secured Party assigns or transfers any Obligations, provided such transferee agrees in writing to be bound, with respect to the transferred Obligations, by the provisions of this Agreement that apply to the Secured Parties.

(g) Each party shall take such further action and execute and deliver such further documents as may be necessary or appropriate in order to carry out the provisions and purposes of this Agreement.

(h) Except to the extent mandatorily governed by the jurisdiction or situs where the Collateral is located, all questions concerning the construction, validity, enforcement and interpretation of this Agreement 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. Except to the extent mandatorily governed by the jurisdiction or situs where the Collateral is located, each Debtor agrees that all proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and the Transaction Documents (as defined in the Purchase Agreement) (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York, New York. Except to the extent mandatorily governed by the jurisdiction or situs where the Collateral is located, each Debtor hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the State of New York for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such proceeding is improper. Each party hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

(i) This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and, all of which taken together shall constitute one and the same Agreement. In the event that any signature is delivered by facsimile transmission, such signature shall create a valid binding obligation of the party executing (or on whose behalf such signature is executed) the same with the same force and effect as if such facsimile signature were the original thereof.

(j) [Intentionally Deleted].

(k) Each Debtor shall indemnify, reimburse and hold harmless the Secured Parties and their respective partners, members, shareholders, officers, directors, employees and agents (and any other persons with other titles that have similar functions) (collectively, “Indemnitees”) from and against any and all losses, claims, liabilities, damages, penalties, suits, costs and expenses, of any kind or nature, (including fees relating to the cost of investigating and defending any of the foregoing) imposed on, incurred by or asserted against such Indemnitee in any way related to or arising from or alleged to arise from this Agreement or the Collateral, except any such losses, claims, liabilities, damages, penalties, suits, costs and expenses which result from the gross negligence or willful misconduct of the Indemnitee as determined by a final, nonappealable decision of a court of competent jurisdiction. This indemnification provision is in addition to, and not in limitation of, any other indemnification provision in the Purchase Agreement, the Transaction Documents (as defined in the Purchase Agreement), or any other agreement, instrument or other document executed or delivered in connection herewith or therewith.

(l) Nothing in this Agreement shall be construed to subject the Agent or any Secured Party to liability as a partner in any Debtor or any if its direct or indirect subsidiaries that is a partnership or as a member in any Debtor or any of its direct or indirect subsidiaries that is a limited liability company, nor shall the Agent or any Secured Party be deemed to have assumed any obligations under any partnership agreement or limited liability company agreement, as applicable, of any Debtor or any of its direct or indirect subsidiaries or otherwise, unless and until any such Secured Party exercises its right to be substituted for such Debtor as a partner or member, as applicable, pursuant hereto.

(m) To the extent that the grant of the Security Interest in the Collateral and the enforcement of the terms hereof require the consent, approval or action of any partner or member, as applicable, of any Debtor or any direct or indirect subsidiary of any Debtor or compliance with any provisions of any of the Organizational Documents, such Debtor hereby represents that all such consents and approvals have been obtained.

[SIGNATURE PAGE OF THE DEBTOR FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have caused this Security Agreement to be duly executed on the day and year first above written.

SCORPIUS HOLDINGS, INC.

By: _____
Name:
Title:

HEAT BIOLOGICS I, INC

By: _____
Name:
Title:

HEAT BIOLOGICS III, INC.

By:
Name:
Title:

HEAT BIOLOGICS IV, INC.

By: _____
Name:
Title:

ZOLOVAX, INC.

By: _____
Name:
Title:

PELICAN THERAPEUTICS, INC.

By: _____

Name:
Title:

SKUNKWORX BIO, INC.

By: _____
Name:
Title:

SCORPIUS BIOMANUFACTURING, INC.

By: _____
Name:
Title:

ABACUS BIOTECH, INC.

By: _____
Name:
Title:

BLACKHAWK BIO, INC.

By: _____
Name:
Title:

[SIGNATURE PAGE OF SECURED PARTY FOLLOWS]

[SIGNATURE PAGE OF SECURED PARTY TO SECURITY AGREEMENT]

Name of Secured Party: _____

Signature of Authorized Signatory of Secured Party: _____

Name of Authorized Signatory: _____

Title of Authorized Signatory: _____

ANNEX A
to
SECURITY
AGREEMENT
THE AGENT

1. **Appointment.** The Secured Parties (all capitalized terms used herein and not otherwise defined shall have the respective meanings provided in the Security Agreement to which this Annex A is attached (the “Agreement”)), by their acceptance of the benefits of the Agreement, hereby designate [] (“Agent”) as the Agent to act as specified herein and in the Agreement. Each Secured Party shall be deemed irrevocably to authorize the Agent to take such action on its behalf under the provisions of the Agreement and any other Transaction Document (as such term is defined in the Purchase Agreement) and to exercise such powers and to perform such duties hereunder and thereunder as are specifically delegated to or required of the Agent by the terms hereof and thereof and such other powers as are reasonably incidental thereto. The Agent may perform any of its duties hereunder by or through its agents or employees.

2. **Nature of Duties.** The Agent shall have no duties or responsibilities except those expressly set forth in the Agreement. Neither the Agent nor any of its partners, members, managers, shareholders, officers, directors, employees or agents shall be liable for any action taken or omitted by it as such under the Agreement or hereunder or in connection herewith or therewith, be responsible for the consequence of any oversight or error of judgment or answerable for any loss, unless caused solely by its or their gross negligence or willful misconduct as determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction. The duties of the Agent shall be mechanical and administrative in nature; the Agent shall not have by reason of the Agreement or any other Transaction Document a fiduciary relationship in respect of any Debtor or any Secured Party; and nothing in the Agreement or any other Transaction Document, expressed or implied, is intended to or shall be so construed as to impose upon the Agent any obligations in respect of the Agreement or any other Transaction Document except as expressly set forth herein and therein.

3. **Lack of Reliance on the Agent.** Independently and without reliance upon the Agent, each Secured Party, to the extent it deems appropriate, has made and shall continue to make (i) its own independent investigation of the financial condition and affairs of the Company and its subsidiaries in connection with such Secured Party’s investment in the Debtors, the creation and

continuance of the Obligations, the transactions contemplated by the Transaction Documents, and the taking or not taking of any action in connection therewith, and (ii) its own appraisal of the creditworthiness of the Company and its subsidiaries, and of the value of the Collateral from time to time, and the Agent shall have no duty or responsibility, either initially or on a continuing basis, to provide any Secured Party with any credit, market or other information with respect thereto, whether coming into its possession before any Obligations are incurred or at any time or times thereafter. The Agent shall not be responsible to the Debtors or any Secured Party for any recitals, statements, information, representations or warranties herein or in any document, certificate or other writing delivered in connection herewith, or for the execution, effectiveness, genuineness, validity, enforceability, perfection, collectibility, priority or sufficiency of the Agreement or any other Transaction Document, or for the financial condition of the Debtors or the value of any of the Collateral, or be required to make any inquiry concerning either the performance or observance of any of the terms, provisions or conditions of the Agreement or any other Transaction Document, or the financial condition of the Debtors, or the value of any of the Collateral, or the existence or possible existence of any default or Event of Default under the Agreement, the Notes or any of the other Transaction Documents.

4. Certain Rights of the Agent. The Agent shall have the right to take any action with respect to the Collateral, on behalf of all of the Secured Parties. To the extent practical, the Agent shall request instructions from the Secured Parties with respect to any material act or action (including failure to act) in connection with the Agreement or any other Transaction Document, and shall be entitled to act or refrain from acting in accordance with the instructions of a Majority in Interest; if such instructions are not provided despite the Agent's request therefor, the Agent shall be entitled to refrain from such act or taking such action, and if such action is taken, shall be entitled to appropriate indemnification from the Secured Parties in respect of actions to be taken by the Agent; and the Agent shall not incur liability to any person or entity by reason of so refraining. Without limiting the foregoing, (a) no Secured Party shall have any right of action whatsoever against the Agent as a result of the Agent acting or refraining from acting hereunder in accordance with the terms of the Agreement or any other Transaction Document, and the Debtors shall have no right to question or challenge the authority of, or the instructions given to, the Agent pursuant to the foregoing and (b) the Agent shall not be required to take any action which the Agent believes (i) could reasonably be expected to expose it to personal liability or (ii) is contrary to this Agreement, the Transaction Documents or applicable law.

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5. Reliance. The Agent shall be entitled to rely, and shall be fully protected in relying, upon any writing, resolution, notice, statement, certificate, telex, teletype or telecopier message, cablegram, radiogram, order or other document or telephone message signed, sent or made by the proper person or entity, and, with respect to all legal matters pertaining to the Agreement and the other Transaction Documents and its duties thereunder, upon advice of counsel selected by it and upon all other matters pertaining to this Agreement and the other Transaction Documents and its duties thereunder, upon advice of other experts selected by it. Anything to the contrary notwithstanding, the Agent shall have no obligation whatsoever to any Secured Party to assure that the Collateral exists or is owned by the Debtors or is cared for, protected or insured or that the liens granted pursuant to the Agreement have been properly or sufficiently or lawfully created, perfected, or enforced or are entitled to any particular priority.

6. Indemnification. To the extent that the Agent is not reimbursed and indemnified by the Debtors, the Secured Parties will jointly and severally reimburse and indemnify the Agent, in proportion to their initially purchased respective principal amounts of Notes, from and against any and all liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever which may be imposed on, incurred by or asserted against the Agent in performing its duties hereunder or under the Agreement or any other Transaction Document, or in any way relating to or arising out of the Agreement or any other Transaction Document except for those determined by a final judgment (not subject to further appeal) of a court of competent jurisdiction to have resulted solely from the Agent's own gross negligence or willful misconduct. Prior to taking any action hereunder as Agent, the Agent may require each Secured Party to deposit with it sufficient sums as it determines in good faith is necessary to protect the Agent for costs and expenses associated with taking such action.

7. Resignation by the Agent.

The Agent may resign from the performance of all its functions and duties under the Agreement and the other Transaction Documents at any time by giving thirty (30) days' prior written notice (as provided in the Agreement) to the Debtors and the Secured Parties. Such resignation shall take effect upon the appointment of a successor Agent pursuant to clauses (b) and (c) below.

Upon any such notice of resignation, the Secured Parties, acting by a Majority in Interest, shall appoint a successor Agent hereunder.

If a successor Agent shall not have been so appointed within said 30-day period, the Agent shall then appoint a successor Agent who shall serve as Agent until such time, if any, as the Secured Parties appoint a successor Agent as provided above. If a successor Agent has not been appointed within such 30-day period, the Agent may petition any court of competent jurisdiction or may interplead the Debtors and the Secured Parties in a proceeding for the appointment of a successor Agent, and all fees, including, but not limited to, extraordinary fees associated with the filing of interpleader and expenses associated therewith, shall be payable by the Debtors on demand.

8. Rights with respect to Collateral. Each Secured Party agrees with all other Secured Parties and the Agent (i) that it shall not, and shall not attempt to, exercise any rights with respect to its security interest in the Collateral, whether pursuant to any other agreement or otherwise (other than pursuant to this Agreement), or take or institute any action against the Agent or any of the other Secured Parties in respect of the Collateral or its rights hereunder (other than any such action arising from the breach of this Agreement) and (ii) that such Secured Party has no other rights with respect to the Collateral other than as set forth in this Agreement and the other Transaction Documents. Upon the acceptance of any appointment as Agent hereunder by a successor Agent, such successor Agent shall thereupon succeed to and become vested with all the rights, powers, privileges and duties of the retiring Agent and the retiring Agent shall be discharged from its duties and obligations under the Agreement. After any retiring Agent's resignation or removal hereunder as Agent, the provisions of the Agreement including this Annex A shall inure to its benefit as to any actions taken or omitted to be taken by it while it was Agent.

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Exhibit 10.3

SUBSIDIARY GUARANTEE

SUBSIDIARY GUARANTEE, dated as of [●], 2024 (this "Guarantee"), made by each of the signatories hereto (together with any other entity that may become a party hereto as provided herein, the "Guarantors"), in favor the Secured Parties (as defined in the Security Agreement dated as of the date hereof (the "Security Agreement") by and among Scorpius Holdings, Inc. a Delaware corporation (the "Company"), the Guarantors and the Secured Parties), which Secured Parties include [●].

WITNESSETH:

WHEREAS, pursuant to that certain Securities Purchase Agreement, dated as of [●], 2024 (the "Purchase Agreement"), by and among the Company and the buyers signatory thereto (the "Buyers"), the Company has agreed to sell and issue to the Buyers, and the Buyers have agreed to purchase from the Company the Notes and the Warrants (each as defined in the Purchase Agreement), subject to the terms and conditions set forth therein; and

WHEREAS, the Security Agreement requires that the Guarantors execute and deliver to the Buyers a guaranty guaranteeing all of the obligations of the Company under the Purchase Agreement, the Notes and the other Transaction Documents (as defined in the Purchase Agreement); and

WHEREAS, each Guarantor will directly benefit from the extension of credit to the Company represented by the issuance of the Notes and from the issuance of the Warrants; and

NOW, THEREFORE, in consideration of the premises and to induce the Buyers to enter into the Purchase Agreement and to carry out the transactions contemplated thereby, each

Guarantor hereby agrees with the Secured Parties as follows:

1. Definitions. Unless otherwise defined herein, terms defined in the Purchase Agreement and used herein shall have the meanings given to them in the Purchase Agreement. The words “hereof,” “herein,” “hereto” and “hereunder” and words of similar import when used in this Guarantee shall refer to this Guarantee as a whole and not to any particular provision of this Guarantee, and Section and Schedule references are to this Guarantee unless otherwise specified. The meanings given to terms defined herein shall be equally applicable to both the singular and plural forms of such terms. The following terms shall have the following meanings:

“Guarantee” means this Subsidiary Guarantee, as the same may be amended, supplemented or otherwise modified from time to time.

“Obligations” means, in addition to all other costs and expenses of collection incurred by Secured Parties in enforcing any of such Obligations and/or this Guarantee, all of the liabilities and obligations (primary, secondary, direct, contingent, sole, joint or several) due or to become due, or that are now or may be hereafter contracted or acquired, or owing to, of the Company or any Guarantor to the Secured Parties, including, without limitation, all obligations under this Guarantee, the Notes, the Warrants, and any other instruments, agreements or other documents executed and/or delivered in connection herewith or therewith, in each case, whether now or hereafter existing, voluntary or involuntary, direct or indirect, absolute or contingent, liquidated or unliquidated, whether or not jointly owed with others, and whether or not from time to time decreased or extinguished and later increased, created or incurred, and all or any portion of such obligations or liabilities that are paid, to the extent all or any part of such payment is avoided or recovered directly or indirectly from any of the Secured Parties as a preference, fraudulent transfer or otherwise as such obligations may be amended, supplemented, converted, extended or modified from time to time. Without limiting the generality of the foregoing, the term “Obligations” shall include, without limitation: (i) principal of, and interest on the Notes and the loans extended pursuant thereto; (ii) any and all other fees, indemnities, costs, obligations and liabilities of the Company or any Guarantor from time to time under or in connection with this Guarantee, the Notes, Warrants, and any other instruments, agreements or other documents executed and/or delivered in connection herewith or therewith; and (iii) all amounts (including but not limited to post-petition interest) in respect of the foregoing that would be payable but for the fact that the obligations to pay such amounts are unenforceable or not allowable due to the existence of a bankruptcy, reorganization or similar proceeding involving the Company or any Guarantor.

2. Guarantee.

(a) Guarantee.

(i) The Guarantors hereby, jointly and severally, unconditionally and irrevocably, guarantee to the Secured Parties and their respective successors, indorseees, transferees and assigns, the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Obligations.

(ii) Anything herein or in any other Transaction Document to the contrary notwithstanding, the maximum liability of each Guarantor hereunder and under the other Transaction Documents shall in no event exceed the amount which can be guaranteed by such Guarantor under applicable federal and state laws, including laws relating to the insolvency of debtors, fraudulent conveyance or transfer or laws affecting the rights of creditors generally (after giving effect to the right of contribution established in Section 2(b)).

(iii) Each Guarantor agrees that the Obligations may at any time and from time to time exceed the amount of the liability of such Guarantor hereunder without impairing the guarantee contained in this Section 2 or affecting the rights and remedies of any Secured Party hereunder.

(iv) The guarantee contained in this Section 2 shall remain in full force and effect until all the Obligations and the obligations of each Guarantor under the guarantee contained in this Section 2 shall have been satisfied by indefeasible payment in full.

(v) No payment made by the Company, any of the Guarantors, any other guarantor or any other Person or received or collected by any Secured Party from the Company, any of the Guarantors, any other guarantor or any other Person by virtue of any action or proceeding or any set-off or appropriation or application at any time or from time to time in reduction of or in payment of the Obligations shall be deemed to release or otherwise affect the liability of any Guarantor hereunder which shall, notwithstanding any such payment (other than any payment made by such Guarantor in respect of the Obligations or any payment received or collected from such Guarantor in respect of the Obligations), remain liable for the Obligations up to the maximum liability of such Guarantor hereunder until the Obligations are indefeasibly paid in full.

(vi) Notwithstanding anything to the contrary in this Guarantee, with respect to any defaulted non-monetary Obligations the specific performance of which by the Guarantors is not reasonably possible (e.g. the issuance of the Company’s Common Stock), the Guarantors shall only be liable for making the Secured Parties whole on a monetary basis for the Company’s failure to perform such Obligations in accordance with the Transaction Documents.

(b) Right of Contribution. Subject to Section 2(c), each Guarantor hereby agrees that to the extent that a Guarantor shall have paid more than its proportionate share of any payment made hereunder, such Guarantor shall be entitled to seek and receive contribution from and against any other Guarantor hereunder which has not paid its proportionate share of such payment. Each Guarantor’s right of contribution shall be subject to the terms and conditions of Section 2(c). The provisions of this Section 2(b) shall in no respect limit the obligations and liabilities of any Guarantor the Secured Parties and each Guarantor shall remain liable to the Secured Parties for the full amount guaranteed by such Guarantor hereunder.

(c) No Subrogation. Notwithstanding any payment made by any Guarantor hereunder or any set-off or application of funds of any Guarantor by any Secured Party, no Guarantor shall be entitled to be subrogated to any of the rights of any Secured Party against the Company or any other Guarantor or any collateral security or guarantee or right of offset held by the Secured Parties for the payment of the Obligations, nor shall any Guarantor seek or be entitled to seek any contribution or reimbursement from the Company or any other Guarantor in respect of payments made by such Guarantor hereunder, until all amounts owing to the Secured Parties by the Company on account of the Obligations are indefeasibly paid in full. If any amount shall be paid to any Guarantor on account of such subrogation rights at any time when all of the Obligations shall not have been paid in full, such amount shall be held by such Guarantor in trust for the Secured Parties, segregated from other funds of such Guarantor, and shall, forthwith upon receipt by such Guarantor, be turned over to the Secured Parties in the exact form received by such Guarantor (duly indorsed by such Guarantor to Secured Parties, if required), to be applied against the Obligations, whether matured or unmatured, in such order as the Secured Parties may determine.

(d) Amendments, Etc. With Respect to the Obligations. Each Guarantor shall remain obligated hereunder notwithstanding that, without any reservation of rights against any Guarantor and without notice to or further assent by any Guarantor, any demand for payment of any of the Obligations made by the Secured Parties may be rescinded by the Secured Parties and any of the Obligations continued, and the Obligations, or the liability of any other Person upon or for any part thereof, or any collateral security or guarantee therefor or right of offset with respect thereto, may, from time to time, in whole or in part, be renewed, extended, amended, modified, accelerated, compromised, waived, surrendered or released by the Secured Parties, and the Purchase Agreement and the other Transaction Documents and any other documents executed and delivered in connection therewith may be amended, modified, supplemented or terminated, in whole or in part, as the Secured Parties may deem advisable from time to time, and any collateral security, guarantee or right of offset at any time held by the Secured Parties for the payment of the Obligations may be sold, exchanged, waived, surrendered or released. The Secured Parties shall have no obligation to protect, secure, perfect or insure any Lien at any time held by them as security for the Obligations or for the guarantee contained in this Section 2 or any property subject thereto.

(c) Guarantee Absolute and Unconditional. Each Guarantor waives any and all notice of the creation, renewal, extension or accrual of any of the Obligations and notice of or proof of reliance by any Secured Party upon the guarantee contained in this Section 2 or acceptance of the guarantee contained in this Section 2; the Obligations, and any of them, shall conclusively be deemed to have been created, contracted or incurred, or renewed, extended, amended or waived, in reliance upon the guarantee contained in this Section 2; and all dealings between the Company and any of the Guarantors, on the one hand, and any Secured Party, on the other hand, likewise shall be conclusively presumed to have been had or consummated in reliance upon the guarantee contained in this Section 2. Each Guarantor waives to the extent permitted by law diligence, presentment, protest, demand for payment and notice of default or nonpayment to or upon the Company or any of the Guarantors with respect to the Obligations. Each Guarantor understands and agrees that the guarantee contained in this Section 2 shall be construed as a continuing, absolute and unconditional guarantee of payment and performance without regard to (a) the validity or enforceability of the Purchase Agreement or any other Transaction Document, any of the Obligations or any other collateral security therefor or guarantee or right of offset with respect thereto at any time or from time to time held by any Secured Party, (b) any defense, set-off or counterclaim (other than a defense of payment or performance or fraud by any Secured Party) which may at any time be available to or be asserted by the Company or any other Person against any Secured Party, or (c) any other circumstance whatsoever (with or without notice to or knowledge of the Company or such Guarantor) which constitutes, or might be construed to constitute, an equitable or legal discharge of the Company for the Obligations, or of such Guarantor under the guarantee contained herein, in bankruptcy or in any other instance. When making any demand hereunder or otherwise pursuing its rights and remedies hereunder against any Guarantor or any Secured Party may, but shall be under no obligation to, make a similar demand on or otherwise pursue such rights and remedies as they may have against the Company, any other Guarantor or any other Person or against any collateral security or guarantee for the Obligations or any right of offset with respect thereto, and any failure by any Secured Party to make any such demand, to pursue such other rights or remedies or to collect any payments from the Company, any other Guarantor or any other Person or to realize upon any such collateral security or guarantee or to exercise any such right of offset, or any release of the Company, any other Guarantor or any other Person or any such collateral security, guarantee or right of offset, shall not relieve any Guarantor of any obligation or liability hereunder, and shall not impair or affect the rights and remedies, whether express, implied or available as a matter of law, of any Secured Party against any Guarantor. For the purposes hereof, "demand" shall include the commencement and continuance of any legal proceedings.

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(f) Reinstatement. The guarantee contained in this Section 2 shall continue to be effective, or be reinstated, as the case may be, if at any time payment, or any part thereof, of any of the Obligations is rescinded or must otherwise be restored or returned by any Secured Party upon the insolvency, bankruptcy, dissolution, liquidation or reorganization of the Company or any Guarantor, or upon or as a result of the appointment of a receiver, intervenor or conservator of, or trustee or similar officer for, the Company or any Guarantor or any substantial part of its property, or otherwise, all as though such payments had not been made.

(g) Payments. Each Guarantor hereby guarantees that payments hereunder will be paid to the Secured Parties without set-off or counterclaim in U.S. dollars at the address set forth or referred to in the Signature Pages to the Purchase Agreement.

3. Representations and Warranties. Each Guarantor hereby makes the following representations and warranties as of the date hereof:

(a) Organization and Qualification. The Guarantor is a corporation or limited liability company, as applicable, duly incorporated or organized, as applicable, validly existing and in good standing under the laws of the applicable jurisdiction set forth on Schedule 1, with the requisite corporate or limited liability company power and authority to own and use its properties and assets and to carry on its business as currently conducted. No Guarantor has any subsidiaries other than those identified as such on the Disclosure Schedules to the Purchase Agreement. Each Guarantor is duly qualified to do business and is in good standing as a foreign corporation 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, individually or in the aggregate, (x) adversely affect the legality, validity or enforceability of this Guaranty in any material respect, (y) have a material adverse effect on the results of operations, assets, prospects, or financial condition of the Guarantor or (z) adversely impair in any material respect the Guarantor's ability to perform fully on a timely basis its obligations under this Guaranty (a "Material Adverse Effect").

(b) Authorization; Enforcement. Each Guarantor has the requisite corporate or limited liability company power and authority to enter into and to consummate the transactions contemplated by this Guaranty, and otherwise to carry out its obligations hereunder. The execution and delivery of this Guaranty by each Guarantor and the consummation by it of the transactions contemplated hereby have been duly authorized by all requisite corporate or limited liability company action on the part of the Guarantor. This Guaranty has been duly executed and delivered by each Guarantor and constitutes the valid and binding obligation of such Guarantor enforceable against such Guarantor in accordance with its terms, except as such enforceability may be limited by applicable bankruptcy, insolvency, reorganization, moratorium, liquidation or similar laws relating to, or affecting generally the enforcement of, creditors' rights and remedies or by other equitable principles of general application.

(c) No Conflicts. The execution, delivery and performance of this Guaranty by each Guarantor and the consummation by each Guarantor of the transactions contemplated thereby do not and will not (i) conflict with or violate any provision of its certificate or articles of incorporation, bylaws or other organizational or charter documents (each as applicable), or (ii) conflict with, constitute a default (or an event which with notice or lapse of time or both would become a default) under, or give to others any rights of termination, amendment, acceleration or cancellation of, any agreement, indenture or instrument to which the Guarantor is a party, or (iii) result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which any Guarantor is subject (including Federal and State securities laws and regulations), or by which any material property or asset of any Guarantor is bound or affected, except in the case of each of clauses (ii) and (iii), such conflicts, defaults, terminations, amendments, accelerations, cancellations and violations as could not, individually or in the aggregate, have or result in a Material Adverse Effect. The business of the Guarantor is not being conducted in violation of any law, ordinance or regulation of any governmental authority, except for violations which, individually or in the aggregate, do not have a Material Adverse Effect.

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(d) Consents and Approvals. No Guarantor is required to obtain any consent, waiver, authorization or order of, or make any filing or registration with, any court or other federal, state, local, foreign or other governmental authority or other person in connection with the execution, delivery and performance by such Guarantor of this Guaranty.

(e) Purchase Agreement. The representations and warranties of the Company set forth in the Purchase Agreement as they relate to such Guarantor, each of which is hereby incorporated herein by reference, are true and correct as of each time such representations are deemed to be made pursuant to such Purchase Agreement, and any Secured Party shall be entitled to rely on each of them as if they were fully set forth herein, provided that each reference in each such representation and warranty to the Company's knowledge shall, for the purposes of this Section 3, be deemed to be a reference to such Guarantor's knowledge.

(f) Foreign Law. Each Guarantor has had the opportunity to consult with appropriate foreign legal counsel with respect to any of the above representations for which non-U.S. law is applicable.

4. Covenants.

(a) Each Guarantor covenants and agrees with the Secured Parties that, from and after the date of this Guarantee until the Obligations shall have been indefeasibly paid in full, such Guarantor shall take, and/or shall refrain from taking, as the case may be, each commercially reasonable action that is necessary to be taken or not taken, as the case may be, so that no Event of Default (as defined in the Notes) is caused by the failure to take such action or to refrain from taking such action by such Guarantor.

(b) So long as any of the Obligations are outstanding, each Guarantor will not directly or indirectly on or after the date of this Guarantee:

(i) Except as permitted under the Purchase Agreement, enter into, create, incur, assume or suffer to exist any indebtedness for borrowed money of any kind, including but not limited to, a guarantee, on or with respect to any of its property or assets now owned or hereafter acquired or any interest therein or any income or profits

therefrom;

(ii) Except as permitted under the Purchase Agreement, enter into, create, incur, assume or suffer to exist any liens of any kind, on or with respect to any of its property or assets now owned or hereafter acquired or any interest therein or any income or profits therefrom;

(iii) Amend its certificate or articles of incorporation, bylaws or other organizational or charter documents (each as applicable) so as to adversely affect any rights of any Secured Party;

(iv) repay, repurchase or offer to repay, repurchase or otherwise acquire more than a de minimis number of shares of its securities or debt obligations;

(v) pay cash dividends on any equity securities of the Company;

(vi) enter into any transaction with any Affiliate of the Guarantor which would be required to be disclosed in any public filing of the Company with the Commission, unless such transaction is made on an arm's-length basis and expressly approved by a majority of the disinterested directors of the Company (even if less than a quorum otherwise required for board approval); or

(vii) enter into any agreement with respect to any of the foregoing.

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5. Miscellaneous.

(a) Amendments in Writing. None of the terms or provisions of this Guarantee may be waived, amended, supplemented or otherwise modified except in writing by the Secured Parties.

(b) Notices. All notices, requests and demands to or upon any Secured Party or any Guarantor hereunder shall be effected in the manner provided for in the Purchase Agreement, provided that any such notice, request or demand to or upon any Guarantor shall be addressed to such Guarantor at its notice address set forth on Schedule 5(b).

(c) No Waiver By Course Of Conduct; Cumulative Remedies. The Secured Parties shall not by any act (except by a written instrument pursuant to Section 5(a)), delay, indulgence, omission or otherwise be deemed to have waived any right or remedy hereunder or to have acquiesced in any default under the Transaction Documents or Event of Default (as defined in the Notes). No failure to exercise, nor any delay in exercising, on the part of any Secured Party, any right, power or privilege hereunder shall operate as a waiver thereof. No single or partial exercise of any right, power or privilege hereunder shall preclude any other or further exercise thereof or the exercise of any other right, power or privilege. A waiver by any Secured Party of any right or remedy hereunder on any one occasion shall not be construed as a bar to any right or remedy which any Secured Party would otherwise have on any future occasion. The rights and remedies herein provided are cumulative, may be exercised singly or concurrently and are not exclusive of any other rights or remedies provided by law.

(d) Enforcement Expenses; Indemnification.

(i) Each Guarantor agrees to pay, or reimburse any Secured Party for, all its costs and expenses incurred in collecting against such Guarantor under the guarantee contained in Section 2 or otherwise enforcing or preserving any rights under this Guarantee and the other Transaction Documents to which such Guarantor is a party, including, without limitation, the reasonable fees and disbursements of counsel to the Secured Parties.

(ii) Each Guarantor agrees to pay, and to save any Secured Party harmless from, any and all liabilities with respect to, or resulting from any delay in paying, any and all stamp, excise, sales or other taxes which may be payable or determined to be payable in connection with any of the transactions contemplated by this Guarantee.

(iii) Each Guarantor agrees to pay, and to save any Secured Party harmless from, any and all liabilities, obligations, losses, damages, penalties, actions, judgments, suits, costs, expenses or disbursements of any kind or nature whatsoever with respect to the execution, delivery, enforcement, performance and administration of this Guarantee to the extent the Company would be required to do so pursuant to the Purchase Agreement.

(iv) The agreements in this Section shall survive repayment of the Obligations and all other amounts payable under the Purchase Agreement and the other Transaction Documents.

(e) Successor and Assigns. This Guarantee shall be binding upon the successors and assigns of each Guarantor and shall inure to the benefit of the Secured Parties and their respective successors and assigns; provided that no Guarantor may assign, transfer or delegate any of its rights or obligations under this Guarantee without the prior written consent of the Secured Parties.

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(f) Set-Off. Each Guarantor hereby irrevocably authorizes any Secured Party at any time and from time to time while an Event of Default (as defined in the Notes) under the Notes or a default under any of the Transaction Documents shall have occurred and be continuing, without notice to such Guarantor or off and appropriate and apply any and all deposits, credits, indebtedness or claims, in any currency, in each case whether direct or indirect, absolute or contingent, matured or unmatured, at any time held or owing by any Secured Party to or for the credit or the account of such Guarantor, or any part thereof in such amounts as any Secured Party may elect, against and on account of the obligations and liabilities of such Guarantor to any Secured Party hereunder and claims of every nature and description of any Secured Party against such Guarantor, in any currency, whether arising hereunder, under the Purchase Agreement, any other Transaction Document or otherwise, as any Secured Party may elect, whether or not any Secured Party has made any demand for payment and although such obligations, liabilities and claims may be contingent or unmatured. Any Secured Party shall notify such Guarantor promptly of any such set-off and the application made by any Secured Party of the proceeds thereof, provided that the failure to give such notice shall not affect the validity of such set-off and application. The rights of any Secured Party under this Section are in addition to other rights and remedies (including, without limitation, other rights of set-off) which any Secured Party may have.

(g) Counterparts. This Guarantee may be executed by two or more of the parties to this Guarantee on any number of separate counterparts (including by telecopy), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

(h) Severability. Any provision of this Guarantee which is prohibited or unenforceable in any jurisdiction shall, as to such jurisdiction, be ineffective to the extent of such prohibition or unenforceability without invalidating the remaining provisions hereof, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction.

(i) Section Headings. The Section headings used in this Guarantee are for convenience of reference only and are not to affect the construction hereof or be taken into consideration in the interpretation hereof.

(j) Integration. This Guarantee and the other Transaction Documents represent the agreement of the Guarantors and the Secured Parties with respect to the subject

matter hereof and thereof, and there are no promises, undertakings, representations or warranties by any Secured Party relative to subject matter hereof and thereof not expressly set forth or referred to herein or in the other Transaction Documents.

(k) Governing Laws. All questions concerning the construction, validity, enforcement and interpretation of this Guarantee 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 of the Company and the Guarantors agree that all proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Guarantee (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in New York County, State of New York. Each of the Company and the Guarantors hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in New York County, State of New York for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such proceeding is improper. Each party hereto hereby irrevocably waives personal service of process and consents to process being served in any such 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 Guarantee 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 manner permitted by law. Each party hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Guarantee or the transactions contemplated hereby.

(l) Acknowledgements. Each Guarantor hereby acknowledges that:

(i) it has been advised by counsel in the negotiation, execution and delivery of this Guarantee and the other Transaction Documents to which it is a party;

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(ii) the Secured Parties have no fiduciary relationship with or duty to any Guarantor arising out of or in connection with this Guarantee or any of the other Transaction Documents, and the relationship between the Guarantors, on the one hand, and any Secured Party, on the other hand, in connection herewith or therewith is solely that of debtor and creditor; and

(iii) no joint venture is created hereby or by the other Transaction Documents or otherwise exists by virtue of the transactions contemplated hereby among the Guarantors and the Secured Parties.

(m) Additional Guarantors. The Company shall cause each of its subsidiaries formed or acquired on or subsequent to the date hereof (each, an "Additional Guarantor") to become a Guarantor for all purposes of this Guarantee by executing and delivering an Assumption Agreement in the form of Annex 1 hereto.

(n) Release of Guarantors. Each Guarantor will be released from all liability hereunder concurrently with the indefeasible repayment in full of all amounts owed under the Purchase Agreement, the Notes, Warrants, and the other Transaction Documents.

(o) Seniority. The Obligations of each of the Guarantors hereunder rank senior in priority to any other Indebtedness (as defined in the Purchase Agreement) of such Guarantor.

(p) WAIVER OF JURY TRIAL. EACH GUARANTOR AND, BY ACCEPTANCE OF THE BENEFITS HEREOF, THE BUYERS, HEREBY IRREVOCABLY AND UNCONDITIONALLY WAIVE TRIAL BY JURY IN ANY LEGAL ACTION OR PROCEEDING RELATING TO THIS GUARANTEE AND FOR ANY COUNTERCLAIM THEREIN.

[Signature Page Follows]

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IN WITNESS WHEREOF, each of the undersigned has caused this Guarantee to be duly executed and delivered as of the date first above written.

HEAT BIOLOGICS I, INC

By: _____

Name: _____

Title: _____

HEAT BIOLOGICS III, INC.

By: _____

Name: _____

Title: _____

HEAT BIOLOGICS IV, INC.

By: _____

Name: _____

Title: _____

ZOLOVAX, INC.

By: _____

Name: _____

Title: _____

PELICAN THERAPEUTICS, INC.

By: _____

Name: _____

Title: _____

SKUNKWORX BIO, INC.

By: _____

Name: _____

Title: _____

SCORPIUS BIOMANUFACTURING, INC.

By: _____

Name: _____

Title: _____

ABACUS BIOTECH, INC.

By: _____

Name: _____

Title: _____

BLACKHAWK BIO, INC.

By: _____

Name: _____

Title: _____

Schedule 1		
Name	Jurisdiction of Organization	
Heat Biologics I, Inc	Delaware	
Heat Biologics III, Inc.	Delaware	
Heat Biologics IV, Inc.	Delaware	
Zolovax, Inc.	Delaware	
Pelican Therapeutics, Inc.	Delaware	
Skunkworx Bio, Inc.	Delaware	
Scorpius Biomanufacturing, Inc.	Delaware	
Abacus Biotech, Inc.	Delaware	
Blackhawk Bio, Inc.	Delaware	

SUBSIDIARY GUARANTEE ASSUMPTION AGREEMENT

ASSUMPTION AGREEMENT, dated as of _____, 202[●] made by each of the undersigned subsidiaries (individually, an “Additional Guarantor” and collectively, the “Additional Guarantors”) of Scorpius Holdings, Inc., a Delaware corporation (the “Company”), in favor of the Secured Parties pursuant to the Security Agreement referred to below. All capitalized terms not defined herein shall have the meaning ascribed to them in such Security Agreement.

WITNESSETH:

WHEREAS, the Company, certain of its subsidiaries, and the Secured Parties have entered into a Security Agreement, dated as of [●], 2024 (as amended, supplemented or otherwise modified from time to time, the “Security Agreement”);

WHEREAS, in connection with the Security Agreement, the Subsidiaries of the Company (other than the Additional Guarantors) have entered into the Subsidiary Guarantee, dated as of [●], 2024 (as amended, supplemented or otherwise modified from time to time, the “Guarantee”) in favor of the Secured Parties;

WHEREAS, the Security Agreement requires each Additional Guarantor to become a party to the Guarantee; and

WHEREAS, each of the undersigned Additional Guarantors has agreed to execute and deliver this Assumption Agreement in order to become a party to the Guarantee;

NOW, THEREFORE, IT IS AGREED:

1. Guarantee. By executing and delivering this Assumption Agreement, each Additional Guarantor, as provided in Section 5(m) of the Guarantee, hereby becomes a party to the Guarantee as a Guarantor thereunder with the same force and effect as if originally named therein as a Guarantor and, without limiting the generality of the foregoing, hereby expressly assumes all obligations and liabilities of a Guarantor thereunder. The information set forth in Annex 1 hereto is hereby added to the information set forth in Schedule 1 to the Guarantee. Each Additional Guarantor hereby represents and warrants that each of the representations and warranties contained in Section 3 of the Guarantee is true and correct on and as the date hereof as to such Additional Guarantor (after giving effect to this Assumption Agreement) as if made on and as of such date.

2. Governing Law. THIS ASSUMPTION AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

[Signatures are on the following pages]

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IN WITNESS WHEREOF, the undersigned has caused this Assumption Agreement to be duly executed and delivered as of the date first above written.

ADDITIONAL GUARANTOR

[_____]

By:
Name:
Title:

[_____]

By:
Name:
Title:

[_____]

By:
Name:
Title:

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Annex 1

ADDITIONAL GUARANTORS

The following are the names, notice addresses and jurisdiction of incorporation or organization of each Additional Guarantor.

JURISDICTION OF
INCORPORATION/ORGANIZATION

COMPANY
OWNED BY
PERCENTAGE

SUPPORT AGREEMENT

This **SUPPORT AGREEMENT** (this “**Agreement**”) is made as of December [●], 2024, by and between Scorpius Holdings, Inc., a Delaware corporation (the “**Company**”) and the Person set forth on signature page hereto (the “**Stockholder**”).

WHEREAS, as of the date hereof, the Stockholder is the beneficial owner of shares of the common stock of the Company (all such shares set forth on Schedule A being referred to herein as the “**Subject Shares**”); and

WHEREAS, the Company is issuing certain senior secured convertible notes the “**Notes**”) and accompanying warrants (the “**Warrants**”) in a private placement planned to close on December [●], 2024; and

WHEREAS, as a condition to the willingness of the investors to purchase the Notes and the Warrants, and as an inducement and in consideration therefor, the Stockholder (in the Stockholder’s capacity as a holder of the Subject Shares) has agreed to, enter into this Agreement.

NOW, THEREFORE, in consideration of the foregoing and the respective representations, warranties, covenants and agreements set forth below and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, do hereby agree as follows:

The Stockholder hereby covenants and agrees that from and after the date hereof, at every meeting of the holders of the Company’s common stock that the holders are requested to vote upon a proposal to approve the conversion in full of the Notes and the exercise in full of the Warrants issued in the private placement referenced above and the issuance of the shares of common stock upon conversion or exercise, as applicable, thereof (the “**Exercise Proposal**”), however called, and at every adjournment or postponement thereof, the Stockholder shall, or shall cause the holder of record on any applicable record date to, be present (in person or by proxy) and to vote the Subject Shares that the Stockholder beneficially owns and has in its control at the time of such meeting in favor of the Exercise Proposal in order to comply with the NYSE American LLC listing rules, as well as in favor of an adjournment of any such meeting of the Company’s shareholders for purposes of obtaining further votes in favor of the Exercise Proposal (the “**Adjournment Proposal**”). The Stockholder shall retain at all times the right to vote the Subject Shares in Stockholder’s sole discretion and without any other limitation on those matters other than the Exercise Proposal and the Adjournment Proposal that are at any time or from time to time presented for consideration to the Company’s stockholders.

Any notices, consents, waivers or other communications required or permitted to be given under the terms of this Agreement must be in writing and shall be delivered to the Stockholder at the e-mail address or facsimile number on the signature page hereto.

This Agreement constitutes the entire agreement among the parties hereto with respect to the subject matter hereof and supersedes all prior negotiations, letters and understandings relating to the subject matter hereof and are fully binding on the parties hereto.

This Agreement may be executed simultaneously in any number of counterparts. Each counterpart shall be deemed to be an original, and all such counterparts shall constitute one and the same instrument. This Agreement may be executed and accepted by facsimile or PDF signature and any such signature shall be of the same force and effect as an original signature.

The terms of this Agreement shall be binding upon and shall inure to the benefit of each of the parties hereto and their respective successors and assigns.

This Agreement may not be amended or modified except in writing signed by each of the parties hereto.

All questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by and construed and enforced in accordance with the internal laws of the State of Delaware, without regard to the principles of conflicts of law thereof.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be duly executed as of the date first written above.

SCORPIUS HOLDINGS, INC.

By: /s/ Jeffrey Wolf
Name: Jeffrey Wolf
Title: Chief Executive Officer

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be duly executed as of the date first written above.

STOCKHOLDER

(Print Name of Stockholder)

(Signature)

(Name and Title of Signatory, if Signing on Behalf of an Entity)

[Signature Page to Support Agreement – Scorpius Holdings, Inc.]