

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

SCHEDULE 13D
Under the Securities Exchange Act of 1934
(Amendment No. _____)*

Sphere 3D Corp.

(Name of Issuer)

Common shares, no par value
(Title of Class of Securities)

8481L100
(CUSIP Number)

Katharine Ryan-Weiss
MF Ventures, LLC
201 Spear Street, 14th Floor
San Francisco, CA 94105
415-356-2500
(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

With copies to:
Amanda Galton, Esq.
Orrick, Herrington & Sutcliffe LLP
405 Howard Street
San Francisco, CA 94105
415-773-5700

January 17, 2017
(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAMES OF REPORTING PERSONS MF Ventures, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION State of Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 33,766,301
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 33,766,301
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 33,766,301	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 33.8%*	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) OO	

* See Item 5 for more information on calculating this percentage.

1	NAMES OF REPORTING PERSONS Victor B. MacFarlane	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 33,766,301
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 33,766,301
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 33,766,301	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 33.8%*	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN	

* See Item 5 for more information on calculating this percentage.

1	NAMES OF REPORTING PERSONS Thaderine D. MacFarlane	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS (SEE INSTRUCTIONS) AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(D) OR 2(E) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION United States	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	7	SOLE VOTING POWER 0
	8	SHARED VOTING POWER 33,766,301
	9	SOLE DISPOSITIVE POWER 0
	10	SHARED DISPOSITIVE POWER 33,766,301
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 33,766,301	
12	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 33.8%*	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IN	

* See Item 5 for more information on calculating this percentage.

Explanatory Note

The Reporting Persons (as defined below) previously filed a Schedule 13G on February 5, 2016, as amended on April 1, 2016, to report their beneficial ownership of the common shares, no par value (the "**Common Shares**"), of Sphere 3D Corp., an Ontario corporation (the "**Issuer**"). As a result of the Purchase Agreement, dated as of December 30, 2016, between MF Ventures, LLC and the Issuer, filed as Exhibit 1 hereto (the "**Purchase Agreement**"), the Reporting Persons may be deemed to beneficially own in excess of 20% of the class of Common Shares. Accordingly, the Reporting Persons are filing this statement on Schedule 13D (this "**Statement**") pursuant to Section 13(d) of the Act and Rule 13d-1(f) thereunder.

Item 1. Security and Issuer.

This Statement relates to the Common Shares of the Issuer, whose principal executive offices are located at 240 Matheson Blvd. East, Mississauga, Ontario, Canada, LYZ 1X1.

Item 2. Identity and Background.

This Statement is being filed jointly by the following persons (each a "**Reporting Person**" and, collectively, the "**Reporting Persons**"):

- Victor B. MacFarlane, a U.S. citizen;
- Thaderine D. MacFarlane, a U.S. citizen; and
- MF Ventures, LLC, a limited liability company formed under the laws of the State of Delaware ("**MF Ventures**").

The Reporting Persons have entered into a joint filing agreement, a copy of which is attached hereto as Exhibit 4. MF Ventures was formerly known as MacFarlane Family Ventures LLC.

Victor B. MacFarlane is chairman and chief executive officer of MacFarlane Partners which provides real estate investment management services mainly to institutional investors. Thaderine D. MacFarlane is a controlling member of MF Ventures.

MF Ventures is a limited liability company formed to make one or more investments in business ventures or activities deemed appropriate by Victor B. MacFarlane, as Manager of MF Ventures. The members of MF Ventures are:

- Victor B. MacFarlane and Thaderine D. MacFarlane, husband and wife, as to their community property;
- Victor B. MacFarlane and Thaderine D. MacFarlane, Trustees of Irrevocable Trust FBO Ann-Marie MacFarlane dtd 12/31/08 (the "**AMM Trust**"); and
- Victor B. MacFarlane and Thaderine D. MacFarlane, Trustees of Irrevocable Trust FBO Paul MacFarlane dtd 12/31/08 (the "**PM Trust**").

The address of the principal business and office of each of the Reporting Persons and the AMM and PM Trusts is c/o MacFarlane Partners, 201 Spear Street, 14th Floor, San Francisco, CA 94105.

During the last five years, none of the Reporting Persons have been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors) or were party to a civil proceeding of a judicial or administrative body of competent jurisdiction and, as a result of such proceeding, was or is subject to a judgment, decree, or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

Item 3. Source or Amount of Funds or Other Consideration.

The source of funds for the transaction described under Item 4 of this Statement was the working capital of MF Ventures. MF Ventures paid \$2,500,000 for the acquisition described under Item 4 of this Statement.

Item 4. Purpose of Transaction.***The Purchase Agreement***

On December 30, 2016, MF Ventures and the Issuer entered into the Purchase Agreement, under which, for a total purchase price of \$2,500,000, the Issuer agreed to issue to MF Ventures and MF Ventures agreed to purchase, respectively:

- 8,333,333 Common Shares at \$0.30 per share (the "**Purchased Shares**");
- Warrants exercisable for 8,333,333 Common Shares at an exercise price of \$0.40 per share (the "**One-Year Warrants**"); and
- Warrants exercisable for 8,333,333 Common Shares at an exercise price of \$0.55 per share (the "**Five-Year Warrants**").

On January 17, 2017, the Issuer issued 3,333,333 Purchased Shares to MF Ventures in the first closing under the Purchase Agreement. On January 19, 2017, the Issuer issued the balance of 5,000,000 Purchased Shares, the One-Year Warrants, and the Five-Year Warrants to MF Ventures in the second closing under the Purchase Agreement.

The One-Year Warrants are immediately exercisable and expire on January 24, 2018. The Five-Year Warrants, also, are immediately exercisable and expire on January 24, 2022.

The foregoing descriptions of the Purchase Agreement, the One-Year Warrants, and the Five-Year Warrants are qualified in their respective entirety by this reference to the Purchase Agreement, the One-Year Warrant, and the Five-Year Warrant each of which are filed as Exhibits 1, 2, and 3 hereto and that are hereby incorporated by reference into this Item 4.

Further Matters

None of the Reporting Persons nor, to the best knowledge of the Reporting Persons, each of the AMM or PM Trusts, has any present plans or proposals that relate to, or would result in, any of the results described in subparagraphs (a) through (j) of Item 4 of Schedule 13D, except as disclosed below in this Item 4.

Except as disclosed in this Statement, the Reporting Persons and, to the best knowledge of the Reporting Persons, each of the AMM or PM Trusts, have no present intention to further acquire securities of the Issuer; provided, however, the Reporting Persons intend to review their investment on a regular basis and, as a result of such review, may determine at any time or from time to time, either alone or as part of a group:

- to acquire additional securities of the Issuer through open market purchases, privately negotiated transactions, or otherwise;
- to dispose of all or a portion of the securities of the Issuer beneficially owned in the open market, privately negotiated transactions, or otherwise; or
- to take any other available course of action which may involve one or more of the transactions described in subparagraphs (a) through (j) of Item 4 of Schedule 13D or have the results described in those subparagraphs.

Notwithstanding anything in this Statement to the contrary, each Reporting Person specifically reserves the right to change its intention with respect to any and all matters disclosed or referenced herein. In reaching any decision with respect to any course of action, each Reporting Person expects it would take into consideration a variety of factors

including, but not limited to, the Issuer's business and prospects, other business opportunities available to the Reporting Person, changes in applicable laws and regulations, general economic conditions, worldwide money and equity market conditions (including the market price of the securities of the Issuer), tax considerations, and any other factors deemed relevant.

Item 5. Interest in Securities of the Issuer.

(a) and (b)

The Issuer has 78,943,496 Common Shares (the "**Outstanding Shares**") outstanding as of January 30, 2017, which includes 12,931,668 Common Shares issued and outstanding to the MF Ventures (the "**MF Shares**") and beneficially held by the Reporting Persons.

When the Common Shares that may be purchased under certain warrants and the One-Year Warrants and the Five-Year Warrants are included, the Reporting Persons may be deemed to have beneficial ownership of an additional 20,834,633 Common Shares (the "**Warrant Shares**") that are deemed outstanding for purposes of disclosing the total number and percentage of the Common Shares beneficially owned by the Reporting Persons under Items 1 and 5 of this Statement.

Each Reporting Person may be deemed to own beneficially in the aggregate 33,766,301 Common Shares (the "**Securities**") consisting of the MF Shares and Warrant Shares.

Further, each Reporting Person may be deemed to beneficially own 33.8% of the class of Common Shares, assuming 99,778,129 Common Shares outstanding as of January 30, 2017, which consists of the Outstanding Shares and Warrant Shares.

No Reporting Person has the sole power to vote or direct the vote or sole power to dispose or direct the disposition of the Securities. Each Reporting Person has the shared power to vote or to direct the vote or shared power to dispose or direct the disposition of the Securities.

Other than for purposes of Rule 13d-3, the foregoing statements will not be deemed to constitute an admission by each Reporting Person that the Reporting Person is the beneficial owner of any Securities disclosed under this Statement, and such beneficial ownership is expressly disclaimed.

(c)

Except as described in Item 4, which is incorporated herein by this reference, during the past 60 days none of the Reporting Persons or, to the best knowledge of the Reporting Persons, each of the AMM or PM Trusts, have effected any transactions in Common Shares.

(d)

None.

(e)

Not Applicable.

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

The information disclosed under Items 3, 4, and 5 of this Statement is incorporated by reference into this Item 6. Exhibits 1, 2, and 3 to this Statement are further incorporated by reference into this Item 6.

Item 7. Material to Be Filed as Exhibits.

Exhibit Number	Description
1	Purchase Agreement, dated as of December 30, 2016, between Sphere 3D Corp. and MF Ventures, LLC.
2	One-Year Warrants.
3	Five-Year Warrants.
4	Joint Filing Agreement (filed herewith).

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 1, 2017

MF Ventures, LLC

By: /s/ Victor B. MacFarlane
Name: Victor B. MacFarlane
Title: Manager

Victor B. MacFarlane

/s/ Victor B. MacFarlane

Thaderine D. MacFarlane

/s/ Thaderine D. MacFarlane

PURCHASE AGREEMENT

THIS PURCHASE AGREEMENT ("Agreement") is made as of the 30th day of December 2016 by and among Sphere 3D Corp., an Ontario corporation (the "Company"), and the Investors set forth on the signature pages affixed hereto (each an "Investor" and collectively the "Investors").

A. The Company and the Investors are executing and delivering this Agreement in reliance upon (i) the exemption from securities registration afforded by the provisions of Regulation D ("Regulation D"), as promulgated by the U.S. Securities and Exchange Commission (the "SEC") under the Securities Act of 1933, as amended, or (ii) the prospectus exemption provided by Section 2.3 of National Instrument 45-106 – *Prospectus Exemptions* ("NI 45 106"), in accordance with Schedule IV hereto; and

B. The Investors wish to purchase from the Company, and the Company wishes to sell and issue to the Investors, upon the terms and conditions stated in this Agreement, (i) up to an aggregate of 8,333,333 Common Shares (as defined below) ("Shares"), (ii) the One Year Warrants (as defined below) to purchase an aggregate of 8,333,333 Common Shares (subject to adjustment) at an exercise price of \$0.40 per share (subject to adjustment), and (iii) the Five Year Warrants (as defined below) to purchase an aggregate of 8,333,333 Common Shares (subject to adjustment) at an exercise price of \$0.55 per share (subject to adjustment) (together, the "Transaction").

In consideration of the mutual promises made herein and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Definitions. In addition to those terms defined above and elsewhere in this Agreement, for the purposes of this Agreement, the following terms shall have the meanings set forth below:

"Affiliate" means, with respect to any Person, any other Person which directly or indirectly through one or more intermediaries Controls, is controlled by, or is under common control with, such Person.

"Business Day" means a day, other than a Saturday or Sunday, on which banks in New York City are open for the general transaction of business.

"Canadian Investor" means an Investor that is resident in or otherwise subject to the securities laws of a jurisdiction of Canada.

"Canadian Securities Laws" means the securities laws, regulations and rules, and the blanket rulings, policies and written interpretations of and multilateral or national instruments adopted by the securities regulators in each of the provinces and territories of Canada.

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

"Common Shares" means the common shares in the capital of the Company (no par value).

"Company's Knowledge" means the actual knowledge of the executive officers (as defined in Rule 405 under the 1933 Act) of the Company, after due inquiry.

"Confidential Information" means trade secrets, confidential information and know-how (including but not limited to ideas, formulae, compositions, processes, procedures and techniques, research and development information, computer program code, performance specifications, support documentation, drawings, specifications, designs, business and marketing plans, and customer and supplier lists and related information).

"Control" (including the terms "controlling", "controlled by" or "under common control with") means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

"First Closing Amount" means such amount that is the product of (i) the Purchase Price and (ii) that number of Common Shares purchased at the First Closing.

"Five Year Warrants" means, as to each Investor, a warrant to purchase Common Shares in the form attached hereto as Exhibit C.

"Intellectual Property" means all of the following: (i) patents, patent applications, patent disclosures and inventions (whether or not patentable and whether or not reduced to practice); (ii) trademarks, service marks, trade dress, trade names, corporate names, logos, slogans and Internet domain names, together with all goodwill associated with each of the foregoing; (iii) copyrights and copyrightable works; (iv) registrations, applications and renewals for any of the foregoing; and (v) proprietary computer software (including but not limited to data, data bases and documentation).

"Material Adverse Effect" means a material adverse effect on (i) the assets, liabilities, results of operations, condition (financial or otherwise), business or prospects of the Company and its Subsidiaries taken as a whole, or (ii) the ability of the Company to perform its obligations under the Transaction Documents.

"Material Contract" means any contract, instrument or other agreement to which the Company or any Subsidiary is a party or by which it is bound which has been listed on Schedule II.

"Nasdaq" means The Nasdaq Global Market.

"OSC" means the Ontario Securities Commission.

"One Year Warrants" means, as to each Investor, a warrant to purchase Common Shares in the form attached hereto as Exhibit B.

"Person" means an individual, corporation, partnership, limited liability company, trust, business trust, association, joint stock company, joint venture, sole proprietorship, unincorporated organization, governmental authority or any other form of entity not specifically listed herein.

"Purchase Price" means \$0.30.

"SEC Filings" has the meaning set forth in Section 4.6.

"Second Closing Amount" means such amount equal to the product of (i) the Purchase Price and (ii) that number of Common Shares purchased at the Second Closing.

"Securities" means the Shares, the Warrants and the Warrant Shares.

"Shares" means the Common Shares to be purchased by the Investors hereunder.

"Subsidiary" of any Person means another Person, an amount of the voting securities, other voting ownership or voting partnership interests of which is sufficient to elect at least a majority of its Board of Directors or other governing body (or, if there are no such voting interests, 50% or more of the equity interests of which) is owned directly or indirectly by such first Person.

"Transaction Documents" means this Agreement and the Warrants.

"Warrants" means, as to each Investor, the One Year Warrants and the Five Year Warrants.

"Warrant Shares" means the Common Shares issuable upon the exercise of the Warrants.

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

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

2. Purchase and Sale of the Shares and Warrants. Subject to the terms and conditions of this Agreement, (i) on the First Closing Date (as defined below), each of the Investors shall severally, and not jointly, purchase, and the Company shall sell and issue to the Investors, the Shares in the respective amounts set forth on Schedule I attached hereto and (ii) on the Second Closing Date (as defined below), each of the Investors shall severally, and not jointly, purchase, and the Company shall sell and issue to the Investors, the Shares and the Warrants representing the right to purchase Warrant Shares in the respective amounts set forth on Schedule I attached hereto.

3. Closings.

3.1 First Closing. Unless other arrangements have been made with a particular Investor, upon confirmation that the other conditions to closing specified herein have been satisfied or duly waived by the Investors, the Company shall deliver to O'Melveny & Myers LLP ("OMM"), in trust, a certificate or certificates, registered in such name or names as the Investors may designate, representing the Shares, with instructions that such certificates are to be held for release to the Investors only upon payment in full of the First Closing Amount to the Company by the Investors. Unless other arrangements have been made with a particular Investor, upon such receipt by OMM of the certificates issuable to an Investor, such Investor shall promptly, but no more than one (1) Business Day thereafter, cause a wire transfer in same day funds to be sent to the account of the Company as instructed in writing by the Company, in an amount representing such Investor's First Closing Amount. On the date (the "First Closing Date") the Company receives the First Closing Amount, the certificates evidencing the Shares shall be released to the Investors (the "First Closing"). The First Closing of the purchase and sale of the Shares shall take place at the offices of OMM, Two Embarcadero Center, 28th Floor, San Francisco, CA 94111, or at such other location and on such other date as the Company and the Investors shall mutually agree.

3.2 Second Closing. Unless other arrangements have been made with a particular Investor, upon confirmation that the other conditions to closing specified herein have been satisfied or duly waived by the Investors, the Company shall deliver to OMM, in trust, a certificate or certificates, registered in such name or names as the Investors may designate, representing the Shares and Warrants, with instructions that such certificates are to be held for release to the Investors only upon payment in full of the Second Closing Amount to the Company by the Investors. Unless other arrangements have been made with a particular Investor, upon such receipt by OMM of the certificates issuable to an Investor, such Investor shall promptly, but no more than one (1) Business Day thereafter, cause a wire transfer in same day funds to be sent to the account of the Company as instructed in writing by the Company, in an amount representing such Investor's Second Closing Amount. On the date (the "Second Closing Date") and, together with the First Closing Date, the "Closing Dates" and each a "Closing Date") the Company receives the Second Closing Amount, the certificates evidencing the Shares purchased on the Second Closing Date and Warrants shall be released to the Investors (the "Second Closing" and, together with the First Closing, the "Closings" and each a "Closing"). The Second Closing of the purchase and sale of the Warrants shall take place at the offices of OMM, Two Embarcadero Center, 28th Floor, San Francisco, CA 94111, or at such other location and on such other date as the Company and the Investors shall mutually agree.

4. Representations and Warranties of the Company. The Company hereby represents and warrants to each Investor that:

4.1 Organization, Good Standing and Qualification. Each of the Company and its Subsidiaries is a corporation duly organized, validly existing and in good standing (where such concept exists) under the laws of the jurisdiction of its incorporation and has all requisite corporate power and authority to carry on its business as now conducted and to own or lease its properties, in each case as described in the SEC Filings. Each of the Company and its Subsidiaries is duly qualified to do business as a foreign corporation and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property makes such qualification or leasing necessary unless the failure to so qualify has not had and could not reasonably be expected to have a Material Adverse Effect.

4.2 Authorization. The Company has the corporate power and authority to enter into this Agreement and has taken all requisite action on its part, its officers, directors and shareholders necessary for (i) the authorization, execution and delivery of the Transaction Documents, (ii) the authorization of the performance of all obligations of the Company hereunder or thereunder, and (iii) the authorization, issuance (or reservation for issuance) and delivery of the Securities. The Transaction Documents constitute the legal, valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors' rights generally and to general equitable principles.

4.3 Capitalization. The authorized capital of the Company consists of an unlimited number of Common Shares, as set forth in the SEC Filings and in the Articles of Amalgamation of the Company, as amended and as in effect as of the date of this Agreement (the "Articles of Amalgamation"). All of the issued and outstanding Common Shares have been duly authorized and validly issued and are fully paid, nonassessable and free of pre-emptive rights and were issued in full compliance with applicable provincial, state and federal securities law and any rights of third parties. Except as described in the SEC Filings or described in Schedule III, all of the issued and outstanding shares of capital stock of each Subsidiary have been duly authorized and validly issued and are fully paid, nonassessable and free of pre-emptive rights, were issued in full compliance with applicable provincial, state and federal securities law and any rights of third parties and are owned by the Company, beneficially and of record, subject to no lien, encumbrance or other adverse claim. Except as described in the SEC Filings, no Person

is entitled to pre-emptive or similar statutory or contractual rights with respect to any securities of the Company. Except as described in the SEC Filings or described in Schedule III, there are no outstanding warrants, options, convertible securities or other rights, agreements or arrangements of any character under which the Company or any of its Subsidiaries is or may be obligated to issue any equity securities of any kind. Except as described or listed in the SEC Filings and warrants and purchase agreements entered into with one or more additional investors (each an "Additional Investor") on or about the date hereof, there are no voting agreements, buy-sell agreements, option or right of first purchase agreements or other agreements of any kind among the Company and any of the securityholders of the Company relating to the securities of the Company held by them. Except as described in the SEC Filings, no Person has the right to require the Company to register any securities of the Company under the 1933 Act, whether on a demand basis or in connection with the registration of securities of the Company for its own account or for the account of any other Person.

Except as described in the SEC Filings, the issuance and sale of the Securities hereunder will not obligate the Company to issue Common Shares or other securities to any other Person (other than the Investors) and will not result in the adjustment of the exercise, conversion, exchange or reset price of any outstanding security.

Except as described in the SEC Filings, the Company does not have outstanding shareholder purchase rights, a "poison pill" or any similar arrangement in effect giving any Person the right to purchase any equity interest in the Company upon the occurrence of certain events.

As of December 15, 2016 and prior to giving effect to the Transaction, there were (i) 52,361,967 Common Shares issued and outstanding, (ii) 10,922,623 Common Shares issuable upon exercise of outstanding warrants, (iii) 3,313,507 Common Shares issuable upon exercise of outstanding options and (iv) 3,992,834 outstanding restricted stock units.

4.4 Valid Issuance. The Shares have been duly and validly authorized and, when issued and paid for pursuant to this Agreement, will be validly issued, fully paid and nonassessable, and shall be free and clear of all encumbrances and restrictions, except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws. The Warrants have been duly and validly authorized. Upon the due exercise of the Warrants and full payment for the exercise price thereof, the Warrant Shares will be validly issued, fully paid and non-assessable free and clear of all encumbrances and restrictions, except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws. The Company has reserved a sufficient number of Common Shares for issuance upon the exercise of the Warrants, free and clear of all encumbrances and restrictions, except for restrictions on transfer set forth in the Transaction Documents or imposed by applicable securities laws.

4.5 Consents. The execution, delivery and performance by the Company of the Transaction Documents and the offer, issuance and sale of the Securities require no consent of, action by or in respect of, or filing with, any Person, governmental body, agency, or official other than filings that have been made pursuant to applicable provincial and state securities laws and post-sale filings pursuant to applicable provincial, state and federal securities laws which the Company undertakes to file within the applicable time periods. Subject to the accuracy of the representations and warranties of each Investor set forth in Section 5 hereof, and, in the case of each Canadian Investor, Schedule IV hereto, the Company has taken all action necessary to exempt (i) the issuance and sale of the Securities, (ii) the issuance of the Warrant Shares upon due exercise of the Warrants, and (iii) the other transactions contemplated by the Transaction Documents from the provisions of any shareholder rights plan or other "poison pill" arrangement, any anti-takeover, business combination or control share law or statute binding on the Company or to which the Company or any of its assets and properties may be subject and any provision

of the Articles of Amalgamation or the Company's Bylaw No. 1, as amended and as in effect as of the date of this Agreement (the "Bylaws"), that is or could reasonably be expected to become applicable to the Investors as a result of the transactions contemplated hereby, including, without limitation, the issuance of the Securities and the ownership, disposition or voting of the Securities by the Investors or the exercise of any right granted to the Investors pursuant to this Agreement or the other Transaction Documents.

4.6 Delivery of SEC Filings; Business. The Company has made available to the Investors through the EDGAR system, true and complete copies of the Company's most recent Annual Report on Form 40-F for the fiscal year ended December 31, 2015 (as amended prior to the date hereof, the "40-F"), and all other reports filed or furnished by the Company pursuant to Sections 13(a), 13(e), 14 and 15(d) of the 1934 Act since July 7, 2014 (collectively, the "SEC Filings"). The SEC Filings are the only filings required of the Company pursuant to the 1934 Act for such period. The Company and its Subsidiaries are engaged in all material respects only in the business described in the SEC Filings and the SEC Filings contain a complete and accurate description in all material respects of the business of the Company and its Subsidiaries, taken as a whole.

4.7 Use of Proceeds. The net proceeds of the sale of the Shares and the Warrants hereunder shall be used by the Company for working capital and general corporate purposes, as well as to fund potential acquisitions of the stock or assets of other companies.

4.8 No Material Adverse Change. Since December 31, 2015, except as described in the SEC Filings, there has not been:

(i) any change in the consolidated assets, liabilities, financial condition or operating results of the Company from that reflected in the financial statements included in the Company's Form 6-K dated November 14, 2016, except for changes in the ordinary course of business which have not had and could not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate;

(ii) any declaration or payment of any dividend, or any authorization or payment of any distribution, on any of the capital stock of the Company, or any redemption or repurchase of any securities of the Company;

(iii) any material damage, destruction or loss, whether or not covered by insurance to any assets or properties of the Company or its Subsidiaries;

(iv) any waiver, not in the ordinary course of business, by the Company or any Subsidiary of a material right or of a material debt owed to it;

(v) any satisfaction or discharge of any lien, claim or encumbrance or payment of any obligation by the Company or a Subsidiary, except in the ordinary course of business and which is not material to the assets, properties, financial condition, operating results or business of the Company and its Subsidiaries taken as a whole (as such business is presently conducted and as it is proposed to be conducted);

(vi) any change or amendment to the Articles of Amalgamation (other than in connection with the transactions contemplated hereby) or Bylaws, or material change to any material contract or arrangement by which the Company or any Subsidiary is bound or to which any of their respective assets or properties is subject;

- (vii) any material labor difficulties or labor union organizing activities with respect to employees of the Company or any Subsidiary;
- (viii) any material transaction entered into by the Company or a Subsidiary other than in the ordinary course of business;
- (ix) the loss of the services of any key employee, or material change in the composition or duties of the senior management of the Company or any Subsidiary;
- (x) the loss or, to the Company's Knowledge, threatened loss of any customer which has had or could reasonably be expected to have a Material Adverse Effect; or
- (xi) any other event or condition of any character that has had or could reasonably be expected to have a Material Adverse Effect.

4.9 SEC Filings. At the time of filing thereof, the SEC Filings complied as to form in all material respects with the requirements of the 1934 Act and did not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary in order to make the statements made therein, in the light of the circumstances under which they were made, not misleading.

4.10 No Conflict, Breach, Violation or Default. The execution, delivery and performance of the Transaction Documents by the Company and the issuance and sale of the Securities will not (i) conflict with or result in a breach or violation of (a) any of the terms and provisions of, or constitute a default under the Articles of Amalgamation or the Bylaws (true and complete copies of which have been made available to the Investors through the EDGAR system), or (b) any statute, rule, regulation or order of any governmental agency or body or any court, domestic or foreign, having jurisdiction over the Company, any Subsidiary or any of their respective assets or properties, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any lien, encumbrance or other adverse claim upon any of the properties or assets of the Company or any Subsidiary or give to others any rights of termination, amendment, acceleration or cancellation (with or without notice, lapse of time or both) of, any Material Contract, except in the case of clauses (i)(b) and (ii) above, such as could not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate.

4.11 Tax Matters. The Company and each Subsidiary has prepared and filed (or filed applicable extensions therefore) all tax returns required to have been filed by the Company or such Subsidiary with all appropriate governmental agencies and paid all taxes shown thereon or otherwise owed by it, other than any such taxes which the Company or any Subsidiary are contesting in good faith and for which adequate reserves have been provided and reflected in the Company's financial statements included in the SEC Filings. The charges, accruals and reserves on the books of the Company in respect of taxes for all fiscal periods are adequate in all material respects, and there are no material unpaid assessments against the Company or any Subsidiary nor, to the Company's Knowledge, any basis for the assessment of any additional taxes, penalties or interest for any fiscal period or audits by any federal, state or local taxing authority except for any assessment which is not material to the Company and its Subsidiaries, taken as a whole. All taxes and other assessments and levies that the Company or any Subsidiary is required to withhold or to collect for payment have been duly withheld and collected and paid to the proper governmental entity or third party when due, other than any such taxes which the Company or any Subsidiary are contesting in good faith and for which adequate reserves have been provided and reflected in the Company's financial statements included in the SEC Filings. There are no tax liens or claims pending or, to the Company's Knowledge, threatened in writing against the Company

or any Subsidiary or any of their respective assets or property. Except as described in the SEC Filings, there are no outstanding tax sharing agreements or other such arrangements between the Company and any Subsidiary or other corporation or entity.

4.12 Title to Properties. Except as disclosed in the SEC Filings, the Company and each Subsidiary has good and marketable title to all real properties and all other properties and assets (excluding Intellectual Property assets which are the subject of Section 4.15 hereof) owned by it, in each case free from liens, encumbrances and defects that would materially affect the value thereof or materially interfere with the use made or currently planned to be made thereof by them; and except as disclosed in the SEC Filings, the Company and each Subsidiary holds any leased real or personal property under valid and enforceable leases with no exceptions that would materially interfere with the use made or currently planned to be made thereof by them.

4.13 Certificates, Authorities and Permits. The Company and each Subsidiary possess adequate certificates, authorities or permits issued by appropriate governmental agencies or bodies necessary to conduct the business now operated by it, except to the extent failure to possess such certificates, authorities or permits could not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate, and neither the Company nor any Subsidiary has received any notice of proceedings relating to the revocation or modification of any such certificate, authority or permit that, if determined adversely to the Company or such Subsidiary, could reasonably be expected to have a Material Adverse Effect, individually or in the aggregate.

4.14 Labor Matters.

(a) Except as set forth in the SEC Filings, the Company is not a party to or bound by any collective bargaining agreements or other agreements with labor organizations. The Company has not violated in any material respect any laws, regulations, orders or contract terms, affecting the collective bargaining rights of employees, labor organizations or any laws, regulations or orders affecting employment discrimination, equal opportunity employment, or employees' health, safety, welfare, wages and hours.

(b) (i) There are no labor complaint, grievance, disputes or arbitration existing, or to the Company's Knowledge, threatened, involving strikes, slow-downs, work stoppages, job actions, disputes, lockouts or any other disruptions of or by the Company's employees, (ii) there are no unfair labor practices or petitions for election pending or, to the Company's Knowledge, threatened before the Ontario Labour Relations Board, the National Labor Relations Board or any other federal, provincial, state or local labor commission or tribunal relating to the Company's employees, (iii) no demand for recognition or certification heretofore made by any labor organization or group of employees is pending with respect to the Company and (iv) to the Company's Knowledge, the Company enjoys good labor and employee relations with its employees and labor organizations.

(c) The Company is, and at all times has been, in compliance with all applicable laws respecting employment (including laws relating to classification of employees and independent contractors) and employment practices, terms and conditions of employment, wages and hours, and immigration and naturalization, except where the failure to so comply could not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate. There are no claims pending against the Company before the Human Rights Code, the Equal Employment Opportunity Commission or any other administrative body or in any court asserting any violation of the Human Rights Code, Title VII of the Civil Rights Act of 1964, the Age Discrimination Act of 1967, 42 U.S.C. §§ 1981 or 1983 or any other federal, provincial, state or local Law, statute or ordinance barring discrimination in employment.

(d) To the Company's Knowledge, the Company has no liability for the improper classification by the Company of its employees as independent contractors or leased employees prior to each Closing.

4.15 **Intellectual Property.** The Company and the Subsidiaries own, or have obtained valid and enforceable licenses for, or other rights to use, the Intellectual Property necessary for the conduct of the business of the Company and the Subsidiaries as currently conducted and as described in the SEC Filings as being owned or licensed by them, except where the failure to own, license or have such rights could not reasonably be expected to result in a Material Adverse Effect, individually or in the aggregate. Except as described in the SEC Filings, (i) to the Company's Knowledge, there are no third parties who have or will be able to establish rights to any Intellectual Property, except for the ownership rights of the owners of the Intellectual Property which is licensed to the Company as described in the SEC Filings or where such rights could not reasonably be expected to result in a Material Adverse Effect, individually or in the aggregate, (ii) there is no pending or, to the Company's Knowledge, threat of any, action, suit, proceeding or claim by others challenging the Company's or any Subsidiary's rights in or to, or the validity, enforceability, or scope of, any Intellectual Property owned by or licensed to the Company or any Subsidiary or claiming that the use of any Intellectual Property by the Company or any Subsidiary in their respective businesses as currently conducted infringes, violates or otherwise conflicts with the intellectual property rights of any third party, and (iii) to the Company's Knowledge, the use by the Company or any Subsidiary of any Intellectual Property by the Company or any Subsidiary in their respective businesses as currently conducted does not infringe, violate or otherwise conflict with the intellectual property rights of any third party.

4.16 **Environmental Matters.** To the Company's Knowledge, neither the Company nor any Subsidiary is in violation of any statute, rule, regulation, decision or order of any governmental agency or body or any court, domestic or foreign, relating to the use, disposal or release of hazardous or toxic substances or relating to the protection or restoration of the environment or human exposure to hazardous or toxic substances (collectively, "**Environmental Laws**"), owns or operates any real property contaminated with any substance that is subject to any Environmental Laws, is liable for any off-site disposal or contamination pursuant to any Environmental Laws, or is subject to any claim relating to any Environmental Laws, which violation, contamination, liability or claim has had or could reasonably be expected to have a Material Adverse Effect, individually or in the aggregate; and there is no pending or, to the Company's Knowledge, threatened investigation that might lead to such a claim.

4.17 **Litigation.** There are no pending actions, suits or proceedings against or affecting the Company, its Subsidiaries or any of its or their properties; and to the Company's Knowledge, no such actions, suits or proceedings are threatened, except (i) as described in the SEC Filings or (ii) any such proceeding, which if resolved adversely to the Company or any Subsidiary, could not reasonably be expected to have a Material Adverse Effect, individually or in the aggregate. Neither the Company nor any Subsidiary, nor any director or officer thereof, is or since January 1, 2014 has been the subject of any action involving a claim of violation of or liability under federal, provincial, or state securities laws or a claim of breach of fiduciary duty. There has not been, and to the Company's Knowledge, there is not pending or contemplated, any investigation by the OSC (or any other Canadian securities regulatory authority) or SEC involving the Company or any current or former director or officer of the Company. The SEC has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any Subsidiary under the 1933 Act or the 1934 Act.

4.18 **Financial Statements.** The financial statements included in each SEC Filing comply in all material respects with applicable accounting requirements and the rules and regulations of the SEC with respect thereto as in effect at the time of filing (or to the extent corrected by a subsequent restatement) and present fairly, in all material respects, the consolidated financial position of the

Company as of the dates shown and its consolidated results of operations and cash flows for the periods shown, and such financial statements have been prepared in conformity with United States generally accepted accounting principles applied on a consistent basis ("GAAP") (except as may be disclosed therein or in the notes thereto). Except as set forth in the SEC Filings filed prior to the date hereof, neither the Company nor any of its Subsidiaries has incurred any liabilities, contingent or otherwise, except those incurred in the ordinary course of business, consistent (as to amount and nature) with past practices since the date of such financial statements, none of which, individually or in the aggregate, have had or could reasonably be expected to have a Material Adverse Effect.

4.19 Insurance Coverage. The Company and each Subsidiary maintain in full force and effect insurance coverage that is customary for comparably situated companies for the business being conducted and properties owned or leased by the Company and each Subsidiary.

4.20 Brokers and Finders. No Person, including, without limitation, any Investor or any current holder of Common Shares, will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company, any Subsidiary or an Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of the Company.

4.21 No Directed Selling Efforts or General Solicitation. Neither the Company nor any Person acting on its behalf has conducted any general solicitation or general advertising (as those terms are used in Regulation D) in connection with the offer or sale of any of the Securities.

4.22 No Integrated Offering. Assuming the accuracy of the Investors' representations and warranties set forth in Section 5 hereof, neither the Company nor any of its Affiliates, nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any Company security or solicited any offers to buy any security, which are or will be integrated with this offering of the Securities hereunder in a manner that would adversely affect reliance by the Company on Section 4(a)(2) for the exemption from registration for the transactions contemplated hereby or would require registration of the Securities under the 1933 Act.

4.23 Private Placement. Assuming the accuracy of the Investors' representations and warranties set forth in Section 5 hereof and, in the case of Canadian Investors, Schedule IV hereto, the offer and sale of the Securities to the Investors as contemplated hereby is exempt from the registration requirements of the 1933 Act, and, in the case of Canadian Investors, is exempt from the prospectus requirement under applicable Canadian Securities Laws.

4.24 Questionable Payments. Neither the Company nor any of its Subsidiaries nor, to the Company's Knowledge, any of their respective current or former shareholders, directors, officers, employees, agents or other Persons acting on behalf of the Company or any Subsidiary, has, on behalf of the Company or any Subsidiary or in connection with their respective businesses, (i) used any corporate funds for unlawful contributions, gifts, entertainment or other unlawful expenses relating to political activity, (ii) made any direct or indirect unlawful payments to any governmental officials or employees from corporate funds, (iii) established or maintained any unlawful or unrecorded fund of corporate monies or other assets, (iv) made any false or fictitious entries on the books and records of the Company or any Subsidiary, or (v) made any unlawful bribe, rebate, payoff, influence payment, kickback or other unlawful payment of any nature.

4.25 Transactions with Affiliates. Except as disclosed in the SEC Filings and except as would not be required to be disclosed in the SEC Filings, none of the officers or directors of the Company and, to the Company's Knowledge, none of the employees of the Company is presently a party

to any transaction with the Company or any Subsidiary (other than as holders of stock options and/or warrants, and for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, or otherwise requiring payments to or from any officer, director or such employee or, to the Company's Knowledge, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee or partner.

4.26 Internal Controls. The Company is in material compliance with the provisions of the Sarbanes-Oxley Act of 2002 currently applicable to the Company. The Company and the Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company has established disclosure controls and procedures (as defined in 1934 Act Rules 13a-15(e) and 15d-15(e)) for the Company and designed such disclosure controls and procedures to ensure that material information relating to the Company, including the Subsidiaries, is made known to the certifying officers by others within those entities, particularly during the period in which the Company's most recently filed periodic report under the 1934 Act, as the case may be, is being prepared. The Company's certifying officers have evaluated the effectiveness of the Company's disclosure controls and procedures as of the end of the period covered by the most recently filed periodic report under the 1934 Act (such date, the "Evaluation Date"). The Company presented in its most recently filed periodic report under the 1934 Act the conclusions of the certifying officers about the effectiveness of the disclosure controls and procedures based on their evaluations as of the Evaluation Date. Since the Evaluation Date, there have been no significant changes in the Company's internal controls (as such term is defined in Item 308 of Regulation S-K) or, to the Company's Knowledge, in other factors that could significantly affect the Company's internal controls. The Company maintains and will continue to maintain a standard system of accounting established and administered in accordance with GAAP and the applicable requirements of the 1934 Act.

4.27 Investment Company. The Company is not required to be registered as, and is not an Affiliate of, and immediately following each of the Closings will not be required to register as, an "investment company" within the meaning of the Investment Company Act of 1940, as amended.

Each of the Investors acknowledges and agrees that the Company has not made any representations or warranties with respect to the transactions contemplated hereby other than those specifically set forth in this Section 4. Each of the Investors further acknowledges and agrees that neither the Company nor any other Person has made any representation or warranty, expressed or implied, as to the accuracy or completeness of any information received by any such Investor which constitutes or may be deemed to constitute a projection, estimate or other forecast and certain business plan information, except that such information was prepared in good faith and based upon assumptions that the Company believes to have been reasonable at the time such information, if any, was provided to the applicable Investor.

5. Representations and Warranties of the Investors. Each of the Investors hereby severally, and not jointly, represents and warrants to the Company that:

5.1 Organization and Existence. Such Investor is a corporation, limited partnership or limited liability company, it is duly organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization and has all requisite corporate, partnership or limited

liability company power and authority to enter into and to consummate the transactions contemplated by the Transaction Documents and otherwise to carry out its obligations hereunder and thereunder.

5.2 Authorization. The execution, delivery and performance by such Investor of the Transaction Documents to which such Investor is a party have been duly authorized and each will constitute the legal, valid and binding obligation of such Investor, enforceable against such Investor in accordance with their respective terms, subject to bankruptcy, insolvency, fraudulent transfer, reorganization, moratorium and similar laws of general applicability, relating to or affecting creditors' rights generally.

5.3 Consents. All consents, approvals, orders and authorizations required on the part of such Investor in connection with the execution, delivery or performance of each Transaction Document and the consummation of the transactions contemplated hereby and thereby have been obtained and are effective as of the date hereof.

5.4 Purchase Entirely for Own Account. The Securities to be received by such Investor hereunder will be acquired for such Investor's own account, not as nominee, trustee, representative or agent, and not with a view to the resale or distribution of any part thereof in violation of the 1933 Act, and such Investor has no present intention of selling, granting any participation in, or otherwise distributing the same and has no arrangement or understanding with any other Persons regarding the distribution of such Securities in violation of the 1933 Act or any applicable federal, provincial or state securities law without prejudice, however, to such Investor's right at all times to sell or otherwise dispose of all or any part of such Securities in compliance with applicable federal, provincial and state securities laws. Such Investor is acquiring the Securities hereunder in the ordinary course of its business. Nothing contained herein shall be deemed a representation or warranty by such Investor to hold the Securities for any period of time. Such Investor is not a broker-dealer registered with the SEC under the 1934 Act or an entity engaged in a business that would require it to be so registered.

5.5 Investment Experience. Such Investor acknowledges that it can bear the economic risk and complete loss of its investment in the Securities and has such knowledge and experience in financial or business matters that it is capable of evaluating the merits and risks of the investment contemplated hereby.

5.6 Disclosure of Information. Such Investor has had an opportunity to receive all information related to the Company requested by it and to ask questions of and receive answers from the Company regarding the Company, its business and the terms and conditions of the offering of the Securities. Such Investor acknowledges receipt of copies of the SEC Filings. Neither such inquiries nor any other due diligence investigation conducted by such Investor shall modify, limit or otherwise affect such Investor's right to rely on the Company's representations and warranties contained in this Agreement.

5.7 Restricted Securities. Such Investor understands that the Securities are characterized as "restricted securities" under the U.S. federal securities laws inasmuch as they are being acquired from the Company in a transaction not involving a public offering and that under such laws and applicable regulations such securities may be resold without registration under the 1933 Act only in certain limited circumstances.

5.8 Legends. It is understood that, except as provided below, certificates evidencing the Securities and any record of a book entry or electronic issuance evidencing the Securities may bear the following or any similar legend:

(a) "THE SECURITIES REPRESENTED HEREBY HAVE NOT 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 TRANSFERRED UNLESS (I) SUCH SECURITIES HAVE BEEN REGISTERED FOR SALE PURSUANT TO THE SECURITIES ACT, (II) SUCH SECURITIES MAY BE SOLD PURSUANT TO RULE 144, OR (III) THE COMPANY HAS RECEIVED AN OPINION OF COUNSEL TO THE TRANSFEROR, THE SUBSTANCE OF WHICH OPINION SHALL BE REASONABLY SATISFACTORY TO THE COMPANY, THAT SUCH TRANSFER MAY LAWFULLY BE MADE WITHOUT REGISTRATION UNDER THE SECURITIES ACT."

(b) If required by the authorities of any state in connection with the issuance of sale of the Securities, the legend required by such state authority, including the legend set forth in Schedule IV hereto.

5.9 Accredited Investor. (i) In the case of a non-Canadian Investor, such Investor is an accredited investor as defined in Rule 501(a) of Regulation D, as amended, under the 1933 Act, or (ii) in the case of a Canadian investor, has completed, executed and delivered to the Company the form attached hereto as Schedule IV. Such Investor was not organized for the specific purpose of acquiring the Securities and is not required to be registered as a broker-dealer under Section 15 of the Exchange Act. Each Canadian Investor shall complete, execute and deliver to the Company the form attached hereto as Schedule IV.

5.10 No General Solicitation. Such Investor did not learn of the investment in the Securities as a result of any general solicitation or general advertising.

5.11 Brokers and Finders. No Person will have, as a result of the transactions contemplated by the Transaction Documents, any valid right, interest or claim against or upon the Company, any Subsidiary or an Investor for any commission, fee or other compensation pursuant to any agreement, arrangement or understanding entered into by or on behalf of such Investor.

5.12 Prohibited Transactions. Since the such time as such Investor was first contacted by the Company or any other Person acting on behalf of the Company regarding the transactions contemplated hereby through the public announcement of the Transaction, neither such Investor nor any Affiliate of such Investor which (a) had knowledge of the transactions contemplated hereby, (b) has or shares discretion relating to such Investor's investments or trading or information concerning such Investor's investments, including in respect of the Securities, or (c) is subject to such Investor's review or input concerning such Affiliate's investments or trading (collectively, "Trading Affiliates") has, directly or indirectly, effected or agreed to effect, or will directly or indirectly effect, any short sale, whether or not against the box, established any "put equivalent position" (as defined in Rule 16a-1(h) under the 1934 Act) with respect to the Common Shares, granted any other right (including, without limitation, any put or call option) with respect to the Common Shares or with respect to any security that includes, relates to or derived any significant part of its value from the Common Shares or otherwise sought to hedge its position in the Securities (each, a "Prohibited Transaction"). Such Investor acknowledges that the representations, warranties and covenants contained in this Section 5.12 are being made for the benefit of the Investors as well as the Company and that each of the other Investors shall have an independent right to assert any claims against such Investor arising out of any breach or violation of the provisions of this Section 5.12.

The Company acknowledges and agrees that each Investor has not made any representations or warranties with respect to the transactions contemplated by the Transaction Documents other than those specifically set forth in this [Section 5](#) and, in the case of each Canadian investor, [Schedule IV](#) hereto.

6. [Conditions to Closings](#).

6.1 [Conditions to the Investors' Obligations](#). The obligation of each Investor to (i) purchase the Shares at the First Closing is subject to the fulfillment to such Investor's satisfaction, on or prior to the First Closing Date, of the following conditions, any of which may be waived by such Investor (as to itself only) and (ii) purchase the Shares and Warrants at the Second Closing is subject to the fulfillment to such Investor's satisfaction, on or prior to the Second Closing Date, of the following conditions, any of which may be waived by such Investor (as to itself only):

(a) The representations and warranties made by the Company in [Section 4](#) hereof qualified as to materiality shall be true and correct at all times prior to and on the applicable Closing Date as so qualified, except to the extent any such representation or warranty expressly speaks as of an earlier date, in which case such representation or warranty shall be true and correct as of such earlier date as so qualified, and, the representations and warranties made by the Company in [Section 4](#) hereof not qualified as to materiality shall be true and correct in all material respects at all times prior to and on the applicable Closing Date, except to the extent any such representation or warranty expressly speaks as of an earlier date, in which case such representation or warranty shall be true and correct in all material respects as of such earlier date. The Company shall have performed in all material respects all obligations and covenants herein required to be performed by it on or prior to the applicable Closing Date.

(b) The Company shall have obtained any and all consents, permits, approvals, registrations and waivers necessary or appropriate for consummation of the purchase and sale of the Securities and the consummation of the other transactions contemplated by the Transaction Documents, all of which shall be in full force and effect.

(c) The Company shall have filed with Nasdaq a Notification Form: Listing of Additional Shares for the listing of the Shares and the Warrant Shares on Nasdaq, a copy of which shall have been provided to the Investors.

(d) No judgment, writ, order, injunction, award or decree of or by any court, or judge, justice or magistrate, including any bankruptcy court or judge, or any order of or by any governmental authority, shall have been issued, and no action or proceeding shall have been instituted by any governmental authority, enjoining or preventing the consummation of the transactions contemplated hereby or in the other Transaction Documents.

(e) The Company shall have delivered a certificate, executed on behalf of the Company by its Chief Executive Officer or its Chief Financial Officer, dated as of the applicable Closing Date, certifying to the fulfillment of the conditions specified in [subsections \(a\), \(b\), \(d\) and \(h\)](#) of this [Section 6.1](#).

(f) The Company shall have delivered a certificate, executed on behalf of the Company by its Secretary, dated as of the applicable Closing Date, certifying the resolutions adopted by the Board of Directors of the Company or any duly authorized committee thereof approving the transactions contemplated by this Agreement and the other Transaction Documents and the issuance of the Securities, certifying the current versions of the Articles of Amalgamation and Bylaws and certifying as to the signatures and authority of persons signing the Transaction Documents and related documents on behalf of the Company.

(g) No stop order or suspension of trading shall have been imposed by Nasdaq, the SEC or any other governmental or regulatory body with respect to public trading in the Common Shares.

6.2 **Conditions to Obligations of the Company.** The Company's obligation to (i) sell and issue the Shares at the First Closing is subject to the fulfillment to the satisfaction of the Company on or prior to the First Closing Date of the following conditions, any of which may be waived by the Company and (ii) sell and issue the Shares and Warrants at the Second Closing is subject to the fulfillment to the satisfaction of the Company on or prior to the Second Closing Date of the following conditions, any of which may be waived by the Company:

(a) The representations and warranties made by the Investors in Section 5 hereof and, in the case of Canadian Investors, Schedule IV hereto, other than the representations and warranties contained in Sections 5.4, 5.5, 5.6, 5.7, 5.8, 5.9 and 5.10 (the "**Investment Representations**"), shall be true and correct in all material respects when made, and shall be true and correct in all material respects on the applicable Closing Date with the same force and effect as if they had been made on and as of said date. The Investment Representations shall be true and correct in all respects when made, and shall be true and correct in all respects on the applicable Closing Date with the same force and effect as if they had been made on and as of said date. The Investors shall have performed in all material respects all obligations and covenants herein required to be performed by them on or prior to the applicable Closing Date.

(b) The Investors shall have delivered the First Closing Amount and the Second Closing Amount, as applicable, to the Company.

6.3 **Termination of Obligations to Effect Closing; Effects.**

(a) The obligations of the Company, on the one hand, and the Investors, on the other hand, to effect the First Closing and the Second Closing, as applicable, shall terminate as follows:

(i) Upon the mutual written consent of the Company and the Investors;

(ii) By the Company if any of the conditions set forth in Section 6.2 shall have become incapable of fulfillment, and shall not have been waived by the Company;

(iii) By an Investor (with respect to itself only) if any of the conditions set forth in Section 6.1 shall have become incapable of fulfillment, and shall not have been waived by the Investor; or

(iv) By either the Company or any Investor (with respect to itself only) if the Second Closing has not occurred on or prior to January 30, 2017;

provided, however, that, except in the case of clause (i) above, the party seeking to terminate its obligation to effect the Closing shall not then be in breach of any of its representations, warranties, covenants or agreements contained in this Agreement or the other Transaction Documents if such breach has resulted in the circumstances giving rise to such party's seeking to terminate its obligation to effect the applicable Closing.

(b) In the event of termination by the Company or any Investor of its obligations to effect the First Closing or the Second Closing pursuant to this [Section 6.3](#), written notice thereof shall forthwith be given to the other Investors by the Company and the other Investors shall have the right to terminate their obligations to effect the applicable Closing upon written notice to the Company and the other Investors. Nothing in this [Section 6.3](#) 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.

7. [Covenants and Agreements.](#)

7.1 [Reservation of Common Shares.](#) The Company shall at all times reserve and keep available out of its authorized but unissued Common Shares, solely for the purpose of providing for the exercise of the Warrants, such number of Common Shares as shall from time to time equal the Warrant Shares issuable from time to time.

7.2 [Reports.](#) The Company will furnish to the Investors and/or their assignees such information relating to the Company and its Subsidiaries as from time to time may reasonably be requested by the Investors and/or their assignees; provided, however, that the Company shall not disclose material nonpublic information to the Investors, or to advisors to or representatives of the Investors, in connection with the transactions contemplated by this Agreement unless prior to disclosure of such information the Company identifies such information as being material nonpublic information and provides the Investors, such advisors and representatives with the opportunity to accept or refuse to accept such material nonpublic information for review and any Investor wishing to obtain such information enters into an appropriate confidentiality agreement with the Company with respect thereto.

7.3 [No Conflicting Agreements.](#) The Company will not take any action, enter into any agreement or make any commitment that would conflict or interfere in any material respect with the Company's obligations to the Investors under the Transaction Documents.

7.4 [Insurance.](#) The Company shall not materially reduce the insurance coverages described in [Section 4.19](#).

7.5 [Compliance with Laws.](#) The Company will comply in all material respects with all applicable laws, rules, regulations, orders and decrees of all governmental authorities.

7.6 [Listing of Underlying Shares and Related Matters.](#) Promptly following the date hereof, the Company shall (i) take all necessary action to cause the Shares to be listed on Nasdaq no later than the First Closing Date and (ii) take all necessary action to cause the Warrant Shares to be listed on Nasdaq no later than the Second Closing Date. Further, if the Company applies to have its Common Shares or other securities traded on any other principal stock exchange or market, it shall include in such application the Shares and the Warrant Shares and will take such other action as is necessary to cause such Common Shares to be so listed. The Company will use commercially reasonable efforts to continue the listing and trading of its Common Shares on Nasdaq and, in accordance, therewith, will use commercially reasonable efforts to comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of such market or exchange, as applicable.

7.7 [Termination of Covenants.](#) The provisions of [Sections 7.2](#) through [7.5](#) shall terminate and be of no further force and effect on the earlier of (i) the sale or disposition of any Securities by an Investor pursuant to Rule 144 or pursuant to any other exemption under the 1933 Act such that the

purchaser acquires freely tradable securities or (ii) any Securities of the Investor becoming eligible to be sold without restriction pursuant to Rule 144.

7.8 **Removal of Legends.** Upon the earlier of (i) the sale or disposition of any Securities by an Investor pursuant to Rule 144 or pursuant to any other exemption under the 1933 Act such that the purchaser acquires freely tradable securities or (ii) any Securities of the Investor becoming eligible to be sold without restriction pursuant to Rule 144, upon the written request of such Investor, subject to any applicable Canadian Securities Laws, the Company shall or, in the case of Common Shares, shall cause the transfer agent for the Common Shares (the "Transfer Agent") to issue replacement certificates representing such Securities or updated or replacement records of book entries or electronic issuances evidencing such Securities. From and after the earlier of such dates, upon an Investor's written request, the Company shall promptly cause certificates or records of book-entries or electronic issuances evidencing the Investor's Securities to be replaced with certificates or records of book-entries or electronic issuances, respectively, which do not bear such restrictive legends, and Warrant Shares subsequently issued upon due exercise of the Warrants shall not bear such restrictive legends provided the provisions of either clauses (i) or (ii) above, as applicable, are satisfied with respect thereto. In addition, upon the Shares and/or the Warrant Shares becoming eligible to be sold without restriction pursuant to Rule 144, the Company shall (1) deliver to the Transfer Agent irrevocable instructions that the Transfer Agent shall reissue a certificate or a record of book entry or electronic issuance representing Common Shares without legends upon receipt by such Transfer Agent of the legended certificates or the appropriate ownership records of book-entry or electronically issued Common Shares bearing legends, as applicable, for such Common Shares, together with either (A) a customary representation by the Investor that Rule 144 applies to the Common Shares represented thereby or (B) a statement by the Investor that such Investor has sold the Common Shares represented thereby in accordance with the Plan of Distribution contained in the Registration Statement, and (2) cause its counsel to deliver to the Transfer Agent one or more blanket opinions to the effect that the removal of such legends in such circumstances may be effected under the 1933 Act. When the Company is required to cause an unlegended certificate to replace a previously issued legended certificate or an unlegended record of book-entry or electronic issuance to replace a previously issued legended record of book-entry or electronic issuance, if: (x) the unlegended certificate or unlegended record of book-entry or electronic issuance is not delivered to an Investor within three (3) Business Days of submission by that Investor of a legended certificate or appropriate ownership records of book-entry or electronically issued Common Shares bearing legends, as applicable, and supporting documentation to the Transfer Agent as provided above and (y) prior to the time such unlegended certificate or unlegended record of book-entry or electronic issuance is received by the Investor after such three (3) Business Day period, the Investor, or any third party on behalf of such Investor or for the Investor's account, purchases (in an open market transaction or otherwise) Common Shares to deliver in satisfaction of a sale by the Investor of Common Shares represented by such certificate or record of book-entry or electronic issuance (a "Buy-In"), then the Company shall pay in cash to the Investor (for costs incurred either directly by such Investor or on behalf of a third party) the amount by which the total purchase price paid for Common Shares as a result of the Buy-In (including brokerage commissions, if any) exceeds the proceeds received by such Investor as a result of the sale to which such Buy-In relates. The Investor shall provide the Company written notice together with a reasonably detailed summary indicating the amounts payable to the Investor in respect of the Buy-In.

7.9 **Subsequent Equity Sales.** The Company shall not, and shall use its commercially reasonable efforts to ensure that no Affiliate of the Company shall, sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the 1933 Act) that will be integrated with the offer or sale of the Securities in a manner that would require the registration under the 1933 Act of the sale of the Securities to the Investors, or that will be integrated with the offer or sale of the Securities for purposes of the rules and regulations of any trading market such that it would require

shareholder approval prior to the closing of such other transaction unless shareholder approval is obtained before the closing of such subsequent transaction.

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

8. Survival and Indemnification.

8.1 Survival. The representations, warranties, covenants and agreements contained in this Agreement shall survive the Second Closing of the transactions contemplated by this Agreement until the expiration of the applicable statute of limitations.

8.2 Indemnification. The Company agrees to indemnify and hold harmless each Investor and its Affiliates and their respective directors, officers, trustees, members, managers, employees and agents, and their respective successors and assigns, from and against any and all losses, claims, damages, liabilities and expenses (including, without limitation, reasonable attorney fees and disbursements (subject to Section 8.3 below) and other expenses incurred in connection with investigating, preparing or defending any action, claim or proceeding, pending or threatened and the costs of enforcement thereof) (collectively, "Losses") to which such Person may become subject as a result of any breach of any representation, warranty, covenant or agreement made by or to be performed on the part of the Company under the Transaction Documents, and will reimburse any such Person for all such amounts as they are incurred by such Person.

8.3 Conduct of Indemnification Proceedings. Any person entitled to indemnification hereunder shall (i) give prompt notice to the indemnifying party of any claim with respect to which it seeks indemnification and (ii) permit such indemnifying party to assume the defense of such claim with counsel reasonably satisfactory to the indemnified party; provided that any person entitled to indemnification hereunder shall have the right to employ separate counsel and to participate in the defense of such claim, but the fees and expenses of such counsel shall be at the expense of such person unless (a) the indemnifying party has agreed to pay such fees or expenses, (b) the indemnifying party shall have failed to assume the defense of such claim and employ counsel reasonably satisfactory to such person or (c) in the reasonable judgment of any such person, based upon written advice of its counsel, a conflict of interest exists between such person and the indemnifying party with respect to such claims (in which case, if the person notifies the indemnifying party in writing that such person elects to employ separate counsel at the expense of the indemnifying party, the indemnifying party shall not have the right to assume the defense of such claim on behalf of such person); and provided, further, that the failure of any indemnified party to give notice as provided herein shall not relieve the indemnifying party of its obligations hereunder, except to the extent that such failure to give notice shall materially adversely affect the indemnifying party in the defense of any such claim or litigation. It is understood that the indemnifying party shall not, in connection with any proceeding in the same jurisdiction, be liable for fees or expenses of more than one separate firm of attorneys at any time for all such indemnified parties. No indemnifying party will, except with the consent of the indemnified party, consent to entry of any judgment or enter into any settlement that does not include as an unconditional term thereof the giving by the claimant or plaintiff to such indemnified party of a release from all liability in respect of such claim or litigation. The Company will not be liable to any indemnified party under this Agreement (x) for any settlement by such indemnified party effected without the Company's prior written consent, which shall

not be unreasonably withheld, conditioned or delayed, or (y) for any Losses incurred by such indemnified party which a court of competent jurisdiction determines in a final judgment which is not subject to further appeal are solely attributable to (A) a breach of any of the representations, warranties, covenants or agreements made by such indemnified party under this Agreement or in any other Transaction Document or (B) the fraud, gross negligence or willful misconduct of such indemnified party.

9. Miscellaneous.

9.1 Successors and Assigns. This Agreement may not be assigned by a party hereto without the prior written consent of the Company or the Investors, as applicable, provided, however, that an Investor may assign its rights and delegate its duties hereunder in whole or in part to an Affiliate or to a third party acquiring some or all of its Securities in a transaction complying with applicable securities laws without the prior written consent of the Company or the other Investors. The provisions of this Agreement shall inure to the benefit of and be binding upon the respective permitted successors and assigns of the parties. Without limiting the generality of the foregoing, in the event that the Company is a party to a merger, amalgamation, consolidation, share exchange or similar business combination transaction in which the Common Shares is converted into the equity securities of another Person, from and after the effective time of such transaction, such Person shall, by virtue of such transaction, be deemed to have assumed the obligations of the Company hereunder, the term "Company" shall be deemed to refer to such Person and the term "Common Shares" shall be deemed to refer to the securities received by the Investors in connection with such transaction. Nothing in this Agreement, express or implied, is intended to confer upon any party other than the parties hereto or their respective successors and assigns any rights, remedies, obligations, or liabilities under or by reason of this Agreement, except as expressly provided in this Agreement.

9.2 Counterparts; Faxes. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. This Agreement may also be executed via facsimile, which shall be deemed an original.

9.3 Titles and Subtitles. The titles and subtitles used in this Agreement are used for convenience only and are not to be considered in construing or interpreting this Agreement.

9.4 Notices. Unless otherwise provided, any notice required or permitted under this Agreement shall be given in writing and shall be deemed effectively given as hereinafter described (i) if given by personal delivery, then such notice shall be deemed given upon such delivery, (ii) if given by electronic mail, telex or telecopier, then such notice shall be deemed given upon receipt of confirmation of complete transmittal, (iii) if given by mail, then such notice shall be deemed given upon the earlier of (a) receipt of such notice by the recipient or (b) three days after such notice is deposited in first class mail, postage prepaid, and (iv) if given by an internationally recognized overnight air courier, then such notice shall be deemed given one Business Day after delivery to such carrier. All notices shall be addressed to the party to be notified at the address as follows, or at such other address as such party may designate by ten days' advance written notice to the other party:

If to the Company:

Sphere 3D Corp.
9112 Spectrum Center Boulevard
San Diego, California 92123
Attention: Kurt Kalbfleisch, Chief Financial Officer
Fax: (858) 495-4267

With a copy to:

O'Melveny & Myers LLP
2756 Sand Hill Road
Menlo Park, California 94025
Attention: Warren T. Lazarow, Esq.
Paul L. Sieben, Esq.
Fax: (650) 473-2601

If to the Investors:

to the addresses set forth on the signature pages hereto.

9.5 Expenses. The parties hereto shall pay their own costs and expenses in connection herewith, regardless of whether the transactions contemplated hereby are consummated. In the event that legal proceedings are commenced by any party to this Agreement against another party to this Agreement in connection with this Agreement or the other Transaction Documents, the party or parties which do not prevail in such proceedings shall severally, but not jointly, pay their pro rata share of the reasonable attorneys' fees and other reasonable out-of-pocket costs and expenses incurred by the prevailing party in such proceedings.

9.6 Amendments and Waivers. Any term of this Agreement may be amended and the observance of any term of this Agreement may be waived (either generally or in a particular instance and either retroactively or prospectively), only with the written consent of the Company and the Investors. Any amendment or waiver effected in accordance with this paragraph shall be binding upon each holder of any Securities purchased under this Agreement at the time outstanding, each future holder of all such Securities, and the Company.

9.7 Publicity. Except as set forth below, no public release or announcement concerning the transactions contemplated hereby shall be issued by the Company or the Investors without the prior consent of the Company (in the case of a release or announcement by the Investors) or the Investors (in the case of a release or announcement by the Company) (which consents shall not be unreasonably withheld), except as such release or announcement may be required by law or the applicable rules or regulations of any securities exchange or securities market, in which case the Company or the Investors, as the case may be, shall allow the Investors or the Company, as applicable, to the extent reasonably practicable in the circumstances, reasonable time to comment on the portion of such release or announcement concerning the transactions contemplated hereby in advance of such issuance. The Company will make such filings and notices in the manner and time required by the OSC (or any other Canadian securities regulatory authority), the SEC or Nasdaq. The Company will disclose the consummation of the transactions contemplated by this Agreement no later than its next quarterly earnings release issued after the consummation of the transactions contemplated by this Agreement.

9.8 Severability. Any provision of this Agreement that 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 but shall be interpreted as if it were written so as to be enforceable to the maximum extent permitted by applicable law, and any such prohibition or unenforceability in any jurisdiction shall not invalidate or render unenforceable such provision in any other jurisdiction. To the extent permitted by applicable law, the parties hereby waive any provision of law which renders any provision hereof prohibited or unenforceable in any respect.

9.9 Entire Agreement. This Agreement, including the Exhibits and the Schedules, and the other Transaction Documents constitute the entire agreement among the parties hereof with respect to the subject matter hereof and thereof and supersede all prior agreements and understandings, both oral and written, between the parties with respect to the subject matter hereof and thereof.

9.10 Further Assurances. The parties shall execute and deliver all such further instruments and documents and take all such other actions as may reasonably be required to carry out the transactions contemplated hereby and to evidence the fulfillment of the agreements herein contained.

9.11 Governing Law; Consent to Jurisdiction; Waiver of Jury Trial. This Agreement shall be governed by, and construed in accordance with, the internal laws of the State of New York applicable to agreements made and to be performed entirely within the State of New York (except to the extent the provisions of the Business Corporations Act (Ontario) would be mandatorily applicable to the issuance of the Shares, the Warrants, the Warrant Shares). Each of the parties hereto irrevocably submits to the exclusive jurisdiction of the courts of the State of New York located in New York County and the United States District Court for the Southern District of New York for the purpose of any suit, action, proceeding or judgment relating to or arising out of this Agreement and the transactions contemplated hereby. Service of process in connection with any such suit, action or proceeding may be served on each party hereto anywhere in the world by the same methods as are specified for the giving of notices under this Agreement. Each of the parties hereto irrevocably consents to the jurisdiction of any such court in any such suit, action or proceeding and to the laying of venue in such court. Each party hereto irrevocably waives any objection to the laying of venue of any such suit, action or proceeding brought in such courts and irrevocably waives any claim that any such suit, action or proceeding brought in any such court has been brought in an inconvenient forum. **TO THE EXTENT ALLOWABLE UNDER APPLICABLE LAW, EACH OF THE PARTIES HERETO WAIVES ANY RIGHT TO REQUEST A TRIAL BY JURY IN ANY LITIGATION WITH RESPECT TO THIS AGREEMENT AND REPRESENTS THAT COUNSEL HAS BEEN CONSULTED SPECIFICALLY AS TO THIS WAIVER.**

9.12 Independent Nature of Investors' Obligations and Rights. The obligations of each Investor under any Transaction Document are several and not joint with the obligations of any other Investor, and no Investor shall be responsible in any way for the performance of the obligations of any other Investor under any Transaction Document. The decision of each Investor to purchase Securities pursuant to the Transaction Documents has been made by such Investor independently of any other Investor. Nothing contained herein or in any Transaction Document, and no action taken by any Investor pursuant thereto, shall be deemed to constitute the Investors as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Investors are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Investor acknowledges that no other Investor has acted as agent for such Investor in connection with making its investment hereunder and that no Investor will be acting as agent of such Investor in connection with monitoring its investment in the Securities or enforcing its rights under the Transaction Documents. Each Investor shall be entitled to independently protect and enforce its rights, including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Investor to be joined as an additional party in any proceeding for such purpose. Each Investor has been represented by its own separate legal counsel in their review and negotiation of the Transaction Documents. The Company acknowledges that each of the Investors has been provided with the same Transaction Documents for the purpose of closing a transaction with multiple Investors and not because it was required or requested to do so by any Investor.

[Signature page follows]

The Company:

SPHERE 3D CORP.

By: /s/ Eric Kelly
Name: Eric Kelly
Title: CEO

The Investors:

MacFarlane Family Ventures, LLC

By: /s/ Victor B. MacFarlane

Name: Victor B. MacFarlane

Title:

Address for Notice:

MacFarlane Partners
Attn: Victor B. MacFarlane
201 Spear St., 14th Floor
San Francisco, CA 94105

Fax: 415-356-2599

Investor Aggregate Purchase Price:

US\$ 2,500,000

Schedule I

Purchase and Sale of Shares and Warrants

Name	Number of Shares Purchased at First Closing	Number of Shares Purchased at Second Closing	Number of Warrant Shares Issuable Upon Exercise of One Year Warrants	Number of Warrant Shares Issuable Upon Exercise of Five Year Warrants	Aggregate Purchase Price
MacFarlane Family Ventures, LLC	3,333,333	5,000,000	8,333,333	8,333,333	US\$2,500,000

Schedule II

Material Contracts

- Voting Agreements each dated July 15, 2013 between Eric L. Kelly and various shareholders of the Company.
 - Board Nomination Right Agreement dated July 15, 2013 between Eric L. Kelly and the Company.
 - Special Warrant Indenture dated June 5, 2014 between the Company and Equity Financial Trust Company.
 - 8% Senior Secured Convertible Debenture dated December 1, 2014 between the Company and FBC Holdings S.A.R.L. for \$19.5 million.
 - Escrow Agreement dated December 1, 2014 between the Company and Continental Stock Transfer and Trust Company.
 - Asset Purchase Agreement dated August 10, 2015 between Imation Corp., Overland Storage, Inc. and Sphere 3D Corp.
 - Lock-Up Agreement dated August 10, 2015 between Imation Corp. and Sphere 3D Corp.
 - First Amendment to 8% Senior Secured Convertible Debenture dated November 30, 2015 between the Company and FBC Holdings S.A.R.L.
 - Credit Agreement, dated April 6, 2014, by and among Overland Storage, Inc., Tandberg Data GmbH, and Opus Bank.
 - Term Loan Agreement dated as of September 16, 2016 by and between Sphere 3D Corp. and FBC Holdings S.à r.l.
-

Schedule IV

Special Conditions for Canadian Investors

This Schedule IV, including Annex IV-1 annexed hereto, are to be completed and executed by any Investor who is a Canadian Investor, being an Investor resident in or otherwise subject to the securities laws of a jurisdiction of Canada. This Schedule IV, including Annex IV-1 annexed hereto, forms part of the Purchase Agreement to which it is attached (the "Agreement") and the Investor is otherwise subject to the terms and conditions specified in such Agreement. *Terms not otherwise defined herein have the meanings attributed to them in the Agreement.*

1. Acknowledgments of the Investor

The Investor acknowledges that:

(a) AN INVESTMENT IN THE SECURITIES IS NOT WITHOUT RISK AND THE INVESTOR MAY LOSE ITS ENTIRE INVESTMENT;

(b) The Company may complete additional financings in the future in order to develop the business of the Company and fund its ongoing development, and such future financings may have a dilutive effect on current securityholders of the Company, including the Investor;

(c) The offer, sale and issuance of the Securities is exempt from the prospectus requirements of Canadian Securities Laws and, as a result: (i) the Investor may not receive information that would otherwise be required under Canadian Securities Laws or be contained in a prospectus prepared in accordance with Canadian Securities Laws, (ii) the Investor is restricted from using most of the protections, rights and remedies available under Canadian Securities Laws, including statutory rights of rescission or damages, and (iii) the Company is relieved from certain obligations that would otherwise apply under Canadian Securities Laws;

(d) No prospectus has been filed with any Regulator in connection with the Transaction and no Regulator has made any finding or determination as to the merit for investment in, or made any recommendation or endorsement with respect to, the Securities. As used in this Schedule, "**Regulator**" means (i) any governmental or public entity department, court, commission, board, bureau, agency or instrumentality, (ii) any quasi-governmental, self-regulatory or private body exercising any regulatory authority and (iii) any stock exchange;

(e) The Company is required to file a report of trade with all applicable Regulators containing personal information about Investors of the Securities. This report of trade will include the full name, residential address and telephone number of each Investor, the number and type of Securities purchased, the total purchase price paid for such Securities, the date of the Closings and the prospectus exemption relied upon under Canadian Securities Laws to complete such purchase. In Ontario, this information is collected indirectly by the OSC (or any other Canadian securities regulatory authority) under the authority granted to it under, and for the purposes of the administration and enforcement of, the securities legislation in Ontario. Any Investor may contact the Administrative Support Clerk at the OSC (or any other Canadian securities regulatory authority) at Suite 1903, Box 55, 20 Queen Street West, Toronto, Ontario, M5H 3S8 or by telephone at (416) 593-3684 for more information regarding the indirect collection of such information by the OSC (or any other Canadian securities regulatory authority). The Company may also be required pursuant to Canadian Securities Laws to file this Agreement on SEDAR. By completing this Agreement, the Investor authorizes the indirect collection of the information described in this Section 1(e) by all applicable Regulators and consents to the disclosure

of such information to the public through (i) the filing of a report of trade with all applicable Regulators and (ii) the filing of this Agreement on SEDAR.

(f) The Securities are being offered on a "private placement" basis and will be subject to resale restrictions under Canadian Securities Laws, and the Company may make a notation on its records or give instructions to any transfer agent of the Shares in order to implement such resale restrictions;

(g) The physical certificates representing the Securities (and any replacement certificate issued prior to the expiration of the applicable hold periods), if any, will bear a legend in accordance with Canadian Securities Laws in substantially the following form and, in the event that no physical certificates are issued, the below constitutes written notice of the legend restriction under applicable Canadian Securities Laws:

"UNLESS PERMITTED UNDER APPLICABLE SECURITIES LEGISLATION, THE HOLDER OF THIS SECURITY MUST NOT TRADE THIS SECURITY TO OR FOR THE BENEFIT OF A CANADIAN PURCHASER UNTIL THE DATE THAT IS FOUR MONTHS AND A DAY AFTER DECEMBER 30, 2017."

2. Representations and Warranties of the Investor

The Investor represents and warrants as follows to the Company at the date of this Agreement and at each Closing Date and acknowledges and confirms that the Company is relying on such representations and warranties in connection with the offer, sale and issuance of the Securities to the Investor:

(a) THE INVESTOR HAS KNOWLEDGE IN FINANCIAL AND BUSINESS AFFAIRS, IS CAPABLE OF EVALUATING THE MERITS AND RISKS OF AN INVESTMENT IN THE SECURITIES, AND IS ABLE TO BEAR THE ECONOMIC RISK OF SUCH INVESTMENT EVEN IF THE ENTIRE INVESTMENT IS LOST;

(b) The Investor has not been provided with a prospectus, an offering memorandum or any other document in connection with its subscription for Securities and the decision to subscribe for Securities and execute this Agreement has not been based upon any verbal or written representation made by or on behalf of the Company or any employee or agent of the Company;

(c) The distribution of the Securities has not been made through, or as a result of, and is not being accompanied by, (i) a general solicitation, (ii) any advertisement including articles, notices or other communications published in any newspaper, magazine or similar media or broadcast over radio or television, or (iii) any seminar or meeting whose attendees have been invited by general solicitation or general advertising;

(d) The Investor is eligible to purchase the Securities pursuant to an exemption from the prospectus requirements of Canadian Securities Laws. The Investor has completed and delivered to the Company the Canadian Investor Certificate annexed to this Schedule IV as Annex IV-1, evidencing the Investor's status and criteria for reliance on the relevant prospectus exemption under Canadian Securities Laws and: (i) confirms that it complies with the criteria for reliance on the prospectus exemption and the truth and accuracy of all statements made in such certificate as of the date of this Agreement and as of each Closing Date; (ii) understands that the Company is required to verify that the Investor satisfies the relevant criteria to qualify for the prospectus exemption; and (iii) may be required to provide additional information or documentation to evidence compliance with the prospectus exemption.

- (e) The Investor is resident of a province or territory of Canada, and, where required, is purchasing the Securities as principal;
- (f) The Investor has been independently advised as to and is aware of the resale restrictions under Canadian Securities Laws with respect to the Securities;
- (g) The Investor has obtained such legal and tax advice as it considers appropriate in connection with the offer, sale and issuance of the Securities and the execution, delivery and performance by it of this Agreement and the transactions contemplated by the Transaction Documents. The Investor is not relying on the Company, its affiliates or its counsel in this regard;
- (h) None of the funds that the Investor is using to purchase the Securities are to the knowledge of the Investor, proceeds obtained or derived, directly or indirectly, as a result of illegal activities;
- (i) No Person has made any oral or written representations to the Investor: (i) that any Person will resell or repurchase; (ii) that any Person will refund the purchase price of the Securities; or (iii) as to the future value or price of any of the Securities;
- (j) The funds representing the aggregate Purchase Price advanced by the Investor are not proceeds of crime as defined in the *Proceeds of Crime (Money Laundering) and Terrorist Financing Act* (Canada) (the "PCMLTFA"). To the Investor's knowledge none of the subscription funds to be provided by the Investor (i) have been or will be derived from or related to any activity that is deemed criminal under the laws of Canada or any other applicable jurisdiction, or (ii) are being tendered on behalf of a person or entity (A) with whom the Company would be prohibited from dealing with under applicable money laundering, terrorist financing, economic sanctions, criminal or other similar laws or regulations or (B) who has not been identified to the Investor. The Investor acknowledges that the Company may in the future be required by law to disclose the Investor's name and other information relating to this Agreement and the Investor's subscription hereunder, on a confidential basis pursuant to the PCMLTFA or other laws or regulations and shall promptly notify the Company if the Investor discovers that any of the foregoing representations ceases to be true, and to provide the Company with appropriate information in connection therewith.

3. Covenants of the Investor

- (a) The Investor will comply with Canadian Securities Laws concerning the subscription, purchase, holding and resale of the Securities and will consult with its legal advisers with respect to complying with resale restrictions under Canadian Securities Laws with respect to the Securities. Resale restrictions may apply to resales of the Securities outside of Canada.
- (b) The Investor will execute, deliver, file and otherwise assist the Company in filing any reports, undertakings and other documents required under Canadian Securities Laws in connection with the offer, sale and issuance of the Securities.

4. Language

The Investor confirms its express wish that this Agreement (including all Schedules and Annexes), the Transaction Documents and all related documents be drafted in English. *L'acquéreur confirme sa volonté expresse que la présente convention (y compris toutes les annexes et tous les appendices), les « Transaction Documents » décrits à la présente convention, ainsi que tous les documents et contrats s'y rapportant directement ou indirectement soient rédigés en anglais.*

The Investor:

[_____]

By: _____

Name:

Title:

[Annex IV-1 on next page]

Canadian Investor Certificate
(annex to Schedule IV (Special Conditions for Canadian Investors))

TO: SPHERE 3D CORP. (THE "ISSUER")

I. REPRESENTATIONS AND WARRANTIES

Reference is made to the Purchase Agreement between, the Issuer and the undersigned (referred to herein as the "Investor") dated as of the date hereof (the "Agreement"). Upon execution of this Canadian Investor Certificate by the Investor, this Canadian Investor Certificate shall be incorporated into and form a part of the Agreement with respect to such Investor. Terms not otherwise defined herein have the meanings attributed to them in the Agreement (including Schedule IV thereto) and in National Instrument 45-106 – *Prospectus and Registration Exemptions* ("NI 45-106"). All monetary references in this Annex IV-1 are in Canadian dollars.

In connection with the purchase of the Securities by the Investor, the Investor hereby represents, warrants and certifies to the Issuer that the Investor:

- (i) is purchasing the Securities as principal;
- (ii) is resident in or is subject to the laws of the Province or Territory of (check one):
- | | | |
|--|--|---|
| <input type="checkbox"/> Alberta | <input type="checkbox"/> Northwest Territories | <input type="checkbox"/> Prince Edward Island |
| <input type="checkbox"/> British Columbia | <input type="checkbox"/> Nova Scotia | <input type="checkbox"/> Quebec |
| <input type="checkbox"/> Manitoba | <input type="checkbox"/> Nunavut | <input type="checkbox"/> Saskatchewan |
| <input type="checkbox"/> Newfoundland and Labrador | <input type="checkbox"/> Ontario | <input type="checkbox"/> Yukon |
| <input type="checkbox"/> New Brunswick | | |
- (iii) has not been provided with any offering memorandum in connection with the purchase of the Securities; and
- (iv) is an "accredited investor" (as defined in NI 45-106), and falls within the category(ies) of accredited investor (check all applicable exemptions):
1. a financial institution,
2. the Business Development Bank of Canada incorporated under the *Business Development Bank of Canada Act* (Canada),
3. a subsidiary of any person referred to in paragraphs (a) or (b), if the person owns all of the voting securities of the subsidiary, except the voting securities required by law to be owned by directors of that subsidiary,
4. a person registered under the securities legislation of a jurisdiction of Canada as an adviser or dealer,
5. an individual registered under the securities legislation of a jurisdiction of Canada as a representative of a person referred to in paragraph (d),
6. an individual formerly registered under the securities legislation of a jurisdiction of Canada, other than an individual formerly registered solely as a representative of a limited market dealer under one or both of the *Securities Act* (Ontario) or the

Securities Act (Newfoundland and Labrador),

- 7. the Government of Canada or a jurisdiction of Canada, or any crown corporation, agency or wholly owned entity of the Government of Canada or a jurisdiction of Canada,
 - 8. a municipality, public board or commission in Canada and a metropolitan community, school board, the Comité de gestion de la taxe scolaire de l'île de Montréal or an intermunicipal management board in Québec,
 - 9. any national, federal, state, provincial, territorial or municipal government or in any foreign jurisdiction, or any agency of that government,
 - 10. a pension fund that is regulated by the Office of the Superintendent of Financial Institutions (Canada), a pension commission or similar regulatory authority of a jurisdiction of Canada,
 - 11. an individual who, either alone or with a spouse, beneficially owns financial assets having an aggregate realizable value that, before taxes but net of any related liabilities, exceeds \$1,000,000,
 - Please mark to indicate that you have returned an executed copy of Form 45-106F9 (attached to this Certificate)
 - 12. an individual who beneficially owns financial assets having an aggregate realizable value that, before taxes but net of any related liabilities, exceeds \$5,000,000,
 - 13. an individual whose net income before taxes exceeded \$200,000 in each of the 2 most recent calendar years or whose net income before taxes combined with that of a spouse exceeded \$300,000 in each of the 2 most recent calendar years and who, in either case, reasonably expects to exceed that net income level in the current calendar year,
 - Please mark to indicate that you have returned an executed copy of the Risk Acknowledgement Form 45-106F9 (attached to this Certificate)
 - 14. an individual who, either alone or with a spouse, has net assets of at least \$5,000,000,
 - Please mark to indicate that you have returned an executed copy of the Risk Acknowledgement Form 45-106F9 (attached to this Certificate)
 - 15. a person, other than an individual or investment fund, that has net assets of at least \$5,000,000 as shown on its most recently prepared financial statements and that has not been created or used solely to purchase or hold securities as an accredited investor as defined in this paragraph (m),
 - 16. an investment fund that distributes or has distributed its securities only to
 - (i) a person that is or was an accredited investor at the time of the distribution,
 - (ii) a person that acquires or acquired securities in the circumstances referred to in sections 2.10 (Minimum amount investment) of NI 45-106, or 2.19 (Additional investment in investment funds) of NI 45-106, or
 - (iii) a person described in paragraph (i) or (ii) that acquires or acquired securities under section 2.18 (Investment fund reinvestment) of NI 45-106,
 - 17. an investment fund that distributes or has distributed securities under a prospectus in a jurisdiction of Canada for which the regulator or, in Québec, the securities regulatory authority, has issued a receipt,
 - 18. a trust company or trust corporation registered or authorized to carry on business under the *Trust and Loan Companies Act* (Canada) or under comparable legislation in a jurisdiction of Canada or a foreign jurisdiction, acting on behalf of a fully managed account managed by the trust company or trust corporation, as the case may be,
-

- 19. a person acting on behalf of a fully managed account managed by that person, if that person is registered or authorized to carry on business as an adviser or the equivalent under the securities legislation of a jurisdiction of Canada or a foreign jurisdiction,
- 20. a registered charity under the *Income Tax Act* (Canada) that, in regard to the trade, has obtained advice from an eligibility adviser or an adviser registered under the securities legislation of the jurisdiction of the registered charity to give advice on the securities being traded,
- 21. an entity organized in a foreign jurisdiction that is analogous to any of the entities referred to in paragraphs (a) to (d) or paragraph (i) in form and function,
- 22. a person in respect of which all of the owners of interests, direct, indirect or beneficial, except the voting securities required by law to be owned by directors, are persons that are accredited investors,
- 23. an investment fund that is advised by a person registered as an adviser or a person that is exempt from registration as an adviser,
- 24. a person that is recognized or designated by the securities regulatory authority or, except in Ontario and Québec, the regulator as an accredited investor,
- 25. a trust established by an accredited investor for the benefit of the accredited investor's family members of which a majority of the trustees are accredited investors and all of the beneficiaries are the accredited investor's spouse, a former spouse of the accredited investor or a parent, grandparent, brother, sister, child or grandchild of that accredited investor, of that accredited investor's spouse or of that accredited investor's former spouse.

AS USED IN THIS ANNEX IV-1, THE FOLLOWING TERMS HAVE THE FOLLOWING MEANINGS:

"control person" means

in Ontario, Alberta, Newfoundland and Labrador, Nova Scotia and Saskatchewan:

- (a) a person or company who holds a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, and, if a person or company holds more than 20 per cent of the voting rights attached to all outstanding voting securities of an issuer, the person or company is deemed, in the absence of evidence to the contrary, to hold a sufficient number of the voting rights to affect materially the control of the issuer, or
- (b) each person or company in a combination of persons or companies, acting in concert by virtue of an agreement, arrangement, commitment or understanding, which holds in total a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, and, if a combination of persons or companies holds more than 20 per cent of the voting rights attached to all outstanding voting securities of an issuer, the combination of persons or companies is deemed, in the absence of evidence to the contrary, to hold a sufficient number of the voting rights to affect materially the control of the issuer;

in British Columbia and New Brunswick:

(a) a person who holds a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, or

(b) each person in a combination of persons, acting in concert by virtue of an agreement, arrangement, commitment or understanding, which holds in total a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer,

and, if a person or combination of persons holds more than 20% of the voting rights attached to all outstanding voting securities of an issuer, the person or combination of persons is deemed, in the absence of evidence to the contrary, to hold a sufficient number of the voting rights to affect materially the control of the issuer;]

in Prince Edward Island, Northwest Territories, Nunavut and the Yukon:

(a) a person who holds a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, and if a person holds more than 20% of the voting rights attached to all outstanding voting securities of an issuer, the person is deemed, in the absence of evidence to the contrary, to hold a sufficient number of the voting rights to affect materially the control of the issuer, or

(b) each person in a combination of persons acting in concert by virtue of an agreement, arrangement, commitment or understanding, who holds in total a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, and if a combination of persons holds more than 20% of the voting rights attached to all outstanding voting securities of an issuer, the combination of persons is deemed, in the absence of evidence to the contrary, to hold a sufficient number of the voting rights to affect materially the control of the issuer;

in Quebec:

(a) a person that, alone or with other persons acting in concert by virtue of an agreement, holds a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer. If the person, alone or with other persons acting in concert by virtue of an agreement, holds more than 20% of those voting rights, the person is presumed to hold a sufficient number of the voting rights to affect materially the control of the issuer; and

in Manitoba

(a) a person or company who holds a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer,

(b) each person or company, or combination of persons or companies acting in concert by virtue of an agreement, arrangement, commitment or understanding, that holds in total a sufficient number of the voting rights attached to all outstanding voting securities of an issuer to affect materially the control of the issuer, or

(c) a person or company, or combination of persons or companies, that holds more than 20% of the voting rights attached to all outstanding voting securities of an issuer, unless there is evidence that the holding does not affect materially the control of the issuer;

"**director**" means

- (a) a member of the board of directors of a company or an individual who performs similar functions for a company, and
- (b) with respect to a person that is not a company, an individual who performs functions similar to those of a director of a company;

"**eligibility adviser**" means

- (a) a person that is registered as an investment dealer and authorized to give advice with respect to the type of security being distributed, and
- (b) in Saskatchewan or Manitoba, also means a lawyer who is a practicing member in good standing with a law society of a jurisdiction of Canada or a public accountant who is a member in good standing of an institute or association of chartered accountants, certified general accountants or certified management accountants in a jurisdiction of Canada provided that the lawyer or public accountant must not
 - (i) have a professional, business or personal relationship with the issuer, or any of its directors, executive officers, founders, or control persons (as such term is defined in applicable securities legislation), and
 - (ii) have acted for or been retained personally or otherwise as an employee, executive officer, director, associate or partner of a person that has acted for or been retained by the issuer or any of its directors, executive officers, founders or control persons (as such term is defined in applicable securities legislation) within the previous 12 months;

"**executive officer**" means, for an issuer, an individual who is

- (a) a chair, vice-chair or president,
- (b) a vice-president in charge of a principal business unit, division or function including sales, finance or production, or
- (c) performing a policy-making function in respect of the issuer;

"**financial assets**" means

- (a) cash,
- (b) securities, or
- (c) a contract of insurance, a deposit or an evidence of a deposit that is not a security for the purposes of securities legislation;

"**financial institution**" means,

- (a) other than in Ontario,
-

- (i) an association governed by the *Cooperative Credit Associations Act* (Canada) or a central cooperative credit society for which an order has been made under section 473(1) of that Act,
 - (ii) a bank, loan corporation, trust company, trust corporation, insurance company, treasury branch, credit union, caisse populaire, financial services cooperative, or league that, in each case, is authorized by an enactment of Canada or a jurisdiction of Canada to carry on business in Canada or a jurisdiction of Canada; or
 - (iii) a Schedule III bank,
- (b) and in Ontario,
- (i) a bank listed in Schedule I, II or III to the *Bank Act* (Canada);
 - (ii) an association to which the *Cooperative Credit Association Act* (Canada) applies or a central cooperative credit society for which an order has been made under subsection 473(1) of that Act; or
 - (iii) a loan corporation, trust company, trust corporation, insurance company, treasury branch, credit union, caisse populaire, financial services cooperative or credit union league or federation that is authorized by a statute of Canada or Ontario to carry on business in Canada or Ontario, as the case may be.

"founder" means, in respect of an issuer, a person who,

- (a) acting alone, in conjunction, or in concert with one or more persons, directly or indirectly, takes the initiative in founding, organizing or substantially reorganizing the business of the issuer, and
- (b) at the time of the distribution or trade is actively involved in the business of the issuer;

"fully managed account" means an account of a client for which a person makes the investment decisions if that person has full discretion to trade in securities for the account without requiring the client's express consent to a transaction;

"investment fund" has the same meaning as in National Instrument 81-106 Investment Fund Continuous Disclosure;

"person" includes

- (a) an individual,
 - (b) a corporation,
 - (c) a partnership, trust, fund and an association, syndicate, organization or other organized group of persons, whether incorporated or not, and
 - (d) an individual or other person in that person's capacity as a trustee, executor, administrator or personal or other legal representative;
-

"**offering memorandum**" means a document, together with any amendments to that document, purporting to describe the business and affairs of an issuer that has been prepared primarily for delivery to and review by a prospective purchaser so as to assist the prospective purchaser to make an investment decision in respect of securities being sold in a distribution to which section 53 of the *Securities Act* (Ontario) would apply but for the availability of one or more exemptions contained in Ontario securities laws, but does not include a document setting out current information about an issuer for the benefit of a prospective purchaser familiar with the issuer through prior investment or business contacts,

"**related liabilities**" means

- (a) liabilities incurred or assumed for the purpose of financing the acquisition or ownership of financial assets, or
- (b) liabilities that are secured by financial assets;

"**Schedule III bank**" means an authorized foreign bank named in Schedule III of the *Bank Act* (Canada);

"**spouse**" means, an individual who,

- (a) is married to another individual and is not living separate and apart within the meaning of the *Divorce Act* (Canada), from the other individual,
- (b) is living with another individual in a marriage-like relationship, including a marriage-like relationship between individuals of the same gender, or
- (c) in Alberta, is an individual referred to in paragraph (a) or (b), or is an adult interdependent partner within the meaning of the *Adult Interdependent Relationships Act* (Alberta);

"**subsidiary**" means an issuer that is controlled directly or indirectly by another issuer and includes a subsidiary of that subsidiary.

Interpretation

In this Annex IV-1, a person (first person) is considered to control another person (second person) if

- (a) the first person, directly or indirectly, beneficially owns or exercises control or direction over securities of the second person carrying votes which, if exercised, would entitle the first person to elect a majority of the directors of the second person, unless that first person holds the voting securities only to secure an obligation,
 - (b) the second person is a partnership, other than a limited partnership, and the first person holds more than 50% of the interests of the partnership, or
 - (c) the second person is a limited partnership and the general partner of the limited partnership is the first person.
-

Certified at _____ this, _____.

Witness

By: _____

Name:

Title:

WARNING!
This investment is risky. Don't invest unless you can afford to lose all the money you pay for this investment.

SECTION 1 TO BE COMPLETED BY THE ISSUER OR SELLING SECURITYHOLDER

I. About your investment

Type of securities: Common Shares, Warrants

Issuer:

Purchased from: Sphere 3D Corp.

SECTIONS 2 TO 4 TO BE COMPLETED BY THE INVESTOR

2. Risk acknowledgement

This investment is risky. Initial that you understand that:

**Your
initials**

Risk of loss – You could lose your entire investment of: _____

Liquidity risk – You may not be able to sell your investment quickly – or at all.

Lack of information – You may receive little or no information about your investment.

Lack of advice – You will not receive advice from the salesperson about whether this investment is suitable for you unless the salesperson is registered. The salesperson is the person who meets with, or provides information to, you about making this investment. To check whether the salesperson is registered, go to www.aretheyregistered.ca.

3. Accredited investor status

You must meet at least **one** of the following criteria to be able to make this investment. Initial the statement that applies to you. (You may initial more than one statement). The person identified in section 6 is responsible for ensuring that you meet the definition of accredited investor. That person, or the salesperson identified in section 5, can help you if you have questions about whether you meet these criteria.

**Your
initials**

• Your net income before taxes was more than C\$200,000 in each of the 2 most recent calendar years, and you expect it to be more than C\$200,000 in the current calendar year. (You can find your net income before taxes on your personal income tax return.)

**Your
initials**

• Your net income before taxes combined with your spouse's was more than C\$300,000 in each of the 2 most recent calendar years, and you expect your combined net income before taxes to be more than C\$300,000 in the current calendar year.

• Either alone or with your spouse, you own more than C\$1 million in cash and securities, after subtracting any debt related to the cash and securities.

• Either alone or with your spouse, you have net assets worth more than C\$5 million. (Your net assets are your total assets (including real estate) minus your total debt.)

4. Your name and your signature

By signing this form, you confirm that you have read this form and you understand the risks of making this investment as identified in this form.

First and last name (please print):

Signature: _____ Date: _____

SECTION 5 TO BE COMPLETED BY THE SALESPERSON

5. Salesperson information

--

First and last name of salesperson (please print): _____

Telephone: _____

Email: _____

Name of firm (if registered): _____

SECTION 6 TO BE COMPLETED BY THE ISSUER OR SELLING SECURITY

6. For more information about this investment, contact:

Sphere 3D Corp.
[Investor Contact:
MKR Group Inc.
Todd Kehrlil or Jim Byers
+1 323/468-2300]

For more information about prospectus exemptions, contact your local securities regulator. You can find contact information at www.securities-administrators.ca.

UNLESS PERMITTED UNDER APPLICABLE SECURITIES LEGISLATION, THE HOLDER OF THIS SECURITY MUST NOT TRADE THIS SECURITY TO OR FOR THE BENEFIT OF A CANADIAN PURCHASER UNTIL THE DATE THAT IS FOUR MONTHS AND A DAY AFTER JANUARY 24, 2017.

NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE "1933 ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED UNLESS REGISTERED UNDER THE 1933 ACT AND ANY APPLICABLE STATE SECURITIES LAWS OR UNLESS AN EXEMPTION FROM SUCH REGISTRATION IS AVAILABLE, AND THE CORPORATION AND ITS TRANSFER AGENT HAS RECEIVED AN OPINION OF COUNSEL IN FORM AND SUBSTANCE SATISFACTORY TO THEM TO SUCH EFFECT.

Void after 5:00 p.m. (New York City time) on the Expiry Date.

WARRANT

For the purchase of Common Shares of

SPHERE 3D CORP.

(Organized under the laws of the Province of Ontario, Canada)

Number of Warrants: 8,333,333

Warrant Certificate No. 57

This is to certify that, for value received, MF Ventures, LLC, 201 Spear Street, 14th Floor, San Francisco, CA 94105 (the "**Holder**"), shall have the right to purchase from Sphere 3D Corp. (the "**Corporation**"), at any time and from time to time up to 5:00 p.m. (New York City time) (the "**Expiry Time**") on January 24, 2018¹ (the "**Expiry Date**"), as amended herein, one fully paid and non-assessable common share in the capital of the Corporation (a "**Common Share**") for each Warrant (individually, a "**Warrant**") represented hereby at a price of US\$0.40 per Common Share (the "**Exercise Price**"), upon and subject to the terms and conditions set forth herein. This Warrant is one of the Warrants to purchase Common Shares issued pursuant to that certain Purchase Agreement, dated as of December 30, 2016 by and among the Company and the investors (the "**Investors**") referred to therein (the "**Purchase Agreement**").

1. For the purposes of this Warrant Certificate, the term "**Common Shares**" means common shares without par value in the capital of the Corporation as constituted as of the date hereof, provided that in the event of a subdivision, redivision, reduction, combination or consolidation thereof or any other adjustment under Section 8 hereof, or successive such subdivisions, redivisions, reductions, combinations, consolidations or other adjustments, then subject to the adjustments, if any, having been made in accordance with the provisions of this Warrant Certificate, "**Common Shares**" shall thereafter mean the shares, other securities or other property resulting from such subdivision, redivision, reduction, combination or consolidation or other adjustment.

2. All Warrant Certificates shall be signed by an officer of the Corporation holding office at the time of signing, or any successor or replacement of such person and notwithstanding any change in any

¹ 1 year term from the date of issuing the warrant.

of the persons holding said offices between the time of actual signing and the delivery of the Warrant Certificate, the Warrant Certificate so signed shall be valid and binding upon the Corporation.

3. All rights under any of the Warrants in respect of which the right of subscription and purchase therein provided for shall not theretofore have been exercised shall wholly cease and such Warrants shall be wholly void and of no valid or binding effect after the Expiry Time.
4. The right to purchase Common Shares of the Corporation pursuant to the Warrants may only be exercised by the Holder at or before the Expiry Time by:
 - (a) duly completing and executing a subscription substantially in the form attached as Schedule "A" (the "**Subscription Form**"), in the manner therein indicated; and
 - (b) surrendering this Warrant Certificate and the duly completed and executed Subscription Form to the Corporation prior to the Expiry Time at 9112 Spectrum Center Boulevard, San Diego, California, 92123, together with payment of the purchase price for the Common Shares subscribed for in the form of certified cheque, money order or bank draft payable to the Corporation in an amount equal to the then applicable Exercise Price multiplied by the number of Common Shares subscribed for ("**Aggregate Exercise Price**").
5. Upon delivery and payment as set forth in Section 4, the Corporation shall cause to be issued to the Holder the number of Common Shares subscribed for by the Holder and the Holder shall become a shareholder of the Corporation in respect of such Common Shares with effect from the date of such delivery and payment and shall be entitled to delivery of a certificate or certificates evidencing such shares, or to a non-transferable written acknowledgement of the right to obtain a certificate. The Corporation shall cause such certificate or certificates to be mailed to the Holder at the address or addresses specified in the Subscription Form within five (5) Business Days (as defined below) of such delivery and payment as set forth in Section 4 or, if so instructed by the Holder, held for pick-up by the Holder at the principal office of the Corporation; provided, however, if the transfer agent for the Common Shares is participating in DTC Fast Automated Securities Transfer Program (the "**DTC Program**") and the Common Shares to be delivered to the Holder pursuant to this Section 5 are eligible to participate in the DTC Program, the Corporation will cause the transfer agent to credit such aggregate number of Common Shares to which the Holder is entitled pursuant to this Section 5 to the Holder's or its designee's balance account with DTC through its Deposit / Withdrawal At Custodian system. Notwithstanding any adjustment provided for in Section 8 hereof, the Corporation shall not be required upon the exercise of any Warrants to issue fractional Common Shares in satisfaction of its obligations hereunder and the Holder understands and agrees that it will not be entitled to any cash payment or other form of compensation in respect of a fractional Common Share that might otherwise have been issued. As used in this Warrant Certificate, "**Business Day**" means a day, other than a Saturday or Sunday, on which banks in New York City and Toronto (Ontario) are open for the general transaction of business.
6. The holding of a Warrant shall not constitute the Holder a shareholder of the Corporation nor entitle him to any right or interest in respect thereof except as herein expressly provided.
7. The Corporation covenants and agrees that until the Expiry Time, while any of the Warrants shall be outstanding, it shall reserve and there shall remain unissued out of its authorized capital a sufficient number of Common Shares to satisfy the right of purchase herein provided, as such right of purchase may be adjusted pursuant to Sections 8 and 9 hereof. The Corporation further covenants and agrees that while any of the Warrants shall be outstanding, the Corporation shall (a) comply with the securities legislation applicable to it; and (b) use its commercially reasonable efforts to do or cause to be done all things

necessary to preserve and maintain its corporate existence. All Common Shares which shall be issued upon the exercise of the right to purchase herein provided for, upon payment therefor of the amount at which such Common Shares may at the time be purchased pursuant to the provisions hereof, shall be issued as fully paid and non-assessable shares and the holders thereof shall not be liable to the Corporation or its creditors in respect thereof.

8. (a) As used in this Warrant, unless there is something in the subject matter or context inconsistent therewith, the words and terms defined below shall have the respective meanings specified therefor:

"**Current Market Price**" of the Common Shares at any date means the price per share equal to the Weighted Average Price (as defined below) at which the Common Shares have traded on the Nasdaq Global Market or, if the Common Shares are not then listed on the Nasdaq, on such other stock exchange on which the shares trade as may be selected by the directors of the Corporation for such purpose (collectively, "**Nasdaq**"); and

"**director**" means a director of the Corporation and, unless otherwise specified herein, a reference to action "by the directors" means action by the directors of the Corporation as a board or, whenever empowered, action by the executive committee of such board; and

"**Weighted Average Price**" means, for the Common Shares as of any date, the dollar volume-weighted average price for the Common Shares on Nasdaq during the period beginning at 9:30:01 a.m., New York time (or such other time as Nasdaq publicly announces is the official open of trading), and ending at 4:00:00 p.m., New York time (or such other time as Nasdaq publicly announces is the official close of trading), as reported by Bloomberg through its "Volume at Price" function or, if the foregoing does not apply, the dollar volume-weighted average price of such security in the over-the-counter market on the electronic bulletin board for such security during the period beginning at 9:30:01 a.m., New York time (or such other time as such market publicly announces is the official open of trading), and ending at 4:00:00 p.m., New York time (or such other time as such market publicly announces is the official close of trading), as reported by Bloomberg, or, if no dollar volume-weighted average price is reported for such security by Bloomberg for such hours, the average of the highest closing bid price and the lowest closing ask price of any of the market makers for such security as reported in the OTC Link or "pink sheets" by OTC Markets Group Inc. (formerly Pink OTC Markets Inc.). If the Weighted Average Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Weighted Average Price of the Common Shares on such date shall be the fair market value as mutually determined by the Corporation and the Holder. If the Corporation and the Holder are unable to agree upon the fair market value of such security, then such dispute shall be resolved pursuant to Section 26.

(b) If and whenever at any time after the date hereof and prior to the Expiry Time the Corporation shall (i) subdivide or redivide its then outstanding Common Shares into a greater number of Common Shares, (ii) reduce, combine or consolidate its then outstanding Common Shares into a lesser number of Common Shares or (iii) issue Common Shares (or securities exchangeable for or convertible into Common Shares) to the holders of all or substantially all of its then outstanding Common Shares by way of a stock dividend or other distribution (any of such events herein called a "**Common Share Reorganization**"), then the Exercise Price shall be adjusted effective immediately after the effective date of any such event in (i) or (ii) above or the record date at which the

holders of Common Shares are determined for the purpose of any such dividend or distribution in (iii) above, as the case may be, by multiplying the Exercise Price in effect on such effective date or record date, as the case may be, by a fraction, the numerator of which shall be the number of Common Shares outstanding on such effective date or record date, as the case may be, before giving effect to such Common Share Reorganization and the denominator of which shall be the number of Common Shares outstanding immediately after giving effect to such Common Share Reorganization including, in the case where securities exchangeable for or convertible into Common Shares are distributed, the number of Common Shares that would be outstanding if such securities were exchanged for or converted into Common Shares.

- (c) If and whenever at any time after the date hereof and prior to the Expiry Time there is a capital reorganization of the Corporation or a reclassification or other change in the Common Shares (other than a Common Share Reorganization) or a consolidation or merger or amalgamation of the Corporation with or into any other corporation or other entity (other than a consolidation, merger or amalgamation which does not result in any reclassification of the outstanding Common Shares or a change of the Common Shares into other securities), or a transfer of all or substantially all of the Corporation's undertaking and assets to another corporation or other entity in which the holders of Common Shares are entitled to receive shares, other securities or other property) (any of such events, excluding, however, a transaction effected solely to change the domicile of the Corporation, being called a "**Capital Reorganization**"), after the effective date of the Capital Reorganization the Holder shall be entitled to receive, and shall accept, for the same aggregate consideration, upon exercise of the Warrants, in lieu of the number of Common Shares to which the Holder was theretofore entitled upon the exercise of the Warrants, the kind and aggregate number of Common Shares and other securities or property resulting from the Capital Reorganization which the Holder would have been entitled to receive as a result of the Capital Reorganization if, on the effective date thereof, the Holder has been the registered holder of the number of Common Shares to which the Holder was theretofore entitled to purchase or receive upon the exercise of the Warrants. If necessary, as a result of any Capital Reorganization, appropriate adjustments shall be made in the application of the provisions of this Warrant Certificate with respect to the rights and interest thereafter of the Holder such that the provisions of this Warrant Certificate shall thereafter correspondingly be made applicable as nearly as may reasonably be possible in relation to any shares or other securities or property thereafter deliverable upon the exercise of this Warrant Certificate.
- (d) If and whenever at any time after the date hereof and prior to the Expiry Time, any of the events set out in Sections 8 (b) or (c) shall occur and the occurrence of such event results in an adjustment of the Exercise Price pursuant to the provisions of this Section 8, then the number of Common Shares purchasable pursuant to this Warrant shall be adjusted contemporaneously with the adjustment of the Exercise Price by multiplying the number of Common Shares then otherwise purchasable on the exercise thereof by a fraction, the numerator of which shall be the Exercise Price in effect immediately prior to the adjustment and the denominator of which shall be the Exercise Price resulting from such adjustment.
- (e) If the Corporation takes any action affecting its Common Shares to which the foregoing provisions of this Section 8, in the opinion of the board of directors of the Corporation, acting in good faith, are not strictly applicable, or if strictly applicable would not fairly adjust the rights of the Holder against dilution in accordance with the intent and purposes

hereof, or would otherwise materially affect the rights of the Holder hereunder, then the Corporation shall, subject to the approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable), execute and deliver to the Holder an amendment hereto providing for an adjustment in the application of such provisions so as to adjust such rights as aforesaid in such manner as the board of directors of the Corporation may determine to be equitable in the circumstances, acting in good faith. The failure of the taking of action by the board of directors of the Corporation to so provide for any adjustment on or prior to the effective date of any action or occurrence giving rise to such state of facts will be conclusive evidence that the board of directors has determined that it is equitable to make no adjustment in the circumstances.

9. The following rules and procedures shall be applicable to the adjustments made pursuant to Section 8:

- (a) any Common Shares owned or held by or for the account of the Corporation shall be deemed not to be outstanding except that, for the purposes of Section 8, any Common Shares owned by a pension plan or profit sharing plan for employees of the Corporation or any of its subsidiaries shall not be considered to be owned or held by or for the account of the Corporation;
- (b) no adjustment in the Exercise Price or the number of Common Shares purchasable pursuant to this Warrant shall be required unless a change of at least 1% of the prevailing Exercise Price or the number of Common Shares purchasable pursuant to this Warrant would result, provided, however, that any adjustment which, except for the provisions of this Section 9(b), would otherwise have been required to be made, shall be carried forward and taken into account in any subsequent adjustment;
- (c) the adjustments provided for in Section 8 are cumulative and shall apply to successive subdivisions, consolidations, dividends, distributions and other events resulting in any adjustment under the provisions of such section;
- (d) if the Corporation sets a record date to take any action and thereafter and before the taking of such action abandons its plan to take such action, then no adjustment to the Exercise Price will be required by reason of the setting of such record date;
- (e) as a condition precedent to the taking of any action which would require any adjustment to the Warrants evidenced hereby, including the Exercise Price, the Corporation must take any corporate action which may be necessary in order that the Corporation shall have unissued and reserved in its authorized capital and may validly and legally issue as fully paid and non-assessable all of the shares or other securities which the Holder is entitled to receive on the full exercise thereof in accordance with the provisions hereof;
- (f) forthwith, but no later than fourteen (14) days, after any adjustment to the Exercise Price or the number of Common Shares purchasable pursuant to the Warrants, the Corporation shall provide to the Holder a certificate of an officer of the Corporation certifying as to the amount of such adjustment and, in reasonable detail, describing the event requiring and the manner of computing or determining such adjustment;
- (g) any question that at any time or from time to time arises with respect to the amount of any adjustment to the Exercise Price or other adjustment pursuant to Section 8 shall be

conclusively determined by a firm of independent chartered accountants (who may be the Corporation's auditors) and shall be binding upon the Corporation and the Holder;

- (h) any adjustment to the Exercise Price or the number of Common Shares purchasable pursuant to the Warrants under the terms of this Warrant Certificate shall be subject to the prior approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable); and
- (i) in case the Corporation, after the date of issue of this Warrant Certificate, takes any action affecting the Common Shares, other than an action described in Section 8, which in the opinion of the directors of the Corporation would materially affect the rights of the Holder, the Exercise Price will be adjusted in such manner, if any, and at such time, by action by the directors of the Corporation but subject in all cases to any necessary regulatory approval, including approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable). Failure of the taking of action by the directors of the Corporation so as to provide for an adjustment on or prior to the effective date of any action by the Corporation affecting the Common Shares will be conclusive evidence that the board of directors of the Corporation has determined that it is equitable to make no adjustment in the circumstances.

10. At least 21 days prior to the effective date or record date, as the case may be, of any event referred to in Section 8 herein, the Corporation shall notify the Holder of the particulars of such event and the estimated amount of any adjustment required as a result thereof.

11. On the happening of each and every such event set out in Section 8, the applicable provisions of this Warrant Certificate, including the Exercise Price, shall, *ipso facto*, be deemed to be amended accordingly and the Corporation shall take all necessary action so as to comply with such provisions as so amended.

12. The Corporation shall not be required to deliver certificates for Common Shares while the share transfer books of the Corporation are properly closed, having regard to the provisions of Sections 8 and 9 hereof, prior to any meeting of shareholders or for the payment of dividends or for any other purpose and in the event of the surrender of any Warrant in accordance with the provisions hereof and the making of any subscription and payment for the Common Shares called for thereby during any such period, delivery of certificates for Common Shares may be postponed for not more than five (5) Business Days after the date of the re-opening of said share transfer books; provided, however, that any such postponement of delivery of certificates shall be without prejudice to the right of the Holder so surrendering the same and making payment during such period to receive after the share transfer books shall have been re-opened such certificates for the Common Shares called for, as the same may be adjusted pursuant to Sections 8 and 9 hereof as a result of the completion of the event in respect of which the transfer books were closed.

13. Subject as hereinafter provided, all or any of the rights conferred upon the Holder by the terms hereof may be enforced by the Holder by appropriate legal proceedings. No recourse under or upon any obligation, covenant or agreement contained herein shall be had against any shareholder, director or officer of the Corporation either directly or through the Corporation, it being expressly agreed and declared that the obligations under the Warrants are solely corporate obligations and that no personal liability whatever shall attach to or be incurred by the shareholders, directors or officers of the Corporation or any of them in respect thereof, any and all rights and claims against every such

shareholder, officer or director being hereby expressly waived as a condition of and as a consideration for the issue of the Warrants.

14. The Holder may subscribe for and purchase any lesser number of Common Shares than the number of Common Shares expressed in any Warrant Certificate. In the case of any subscription for a lesser number of Common Shares than expressed in any Warrant Certificate, the Holder hereof shall be entitled to receive, at no cost to the Holder, a new Warrant Certificate in respect of the balance of Warrants not then exercised. Such new Warrant Certificate shall be mailed to the Holder by the Corporation or, at its direction, the transfer agent of the Corporation, contemporaneously with the mailing of the certificate or certificates representing the Common Shares issued pursuant to Section 5.

15. If any Warrant Certificate becomes stolen, lost, mutilated or destroyed, the Corporation shall, on such terms as it may in its discretion impose, acting reasonably, issue and sign a new Warrant Certificate of like denomination, tenor and date as the Warrant Certificate so stolen, lost, mutilated or destroyed for delivery to the Holder. The applicant for the issue of a new Warrant Certificate pursuant to this section shall bear the cost of the issue thereof and in the case of mutilation shall as a condition precedent to the issue thereof, deliver to the Corporation the mutilated Warrant Certificate, and in case of loss, destruction or theft shall, as a condition precedent to the issue thereof, furnish to the Corporation such evidence of ownership and of the loss, destruction or theft of the Warrant Certificate so lost, destroyed or stolen as shall be satisfactory to the Corporation in its discretion and the applicant shall also be required to furnish an indemnity and surety bond in amount and form satisfactory to the Corporation in its discretion and shall pay the reasonable charges of the Corporation in connection therewith.

16. The Holder may transfer the Warrants represented hereby by:

- (a) duly completing and executing the transfer form attached as Schedule "B" ("Transfer Form"); and
- (b) surrendering this Warrant Certificate and the completed Transfer Form, together with such other documents as the Corporation may reasonably request, to the Corporation at the address set forth on the Transfer Form or such other office as may be specified by the Corporation, in a written notice to the Holder, from time to time,

provided that all such transfers shall be effected in accordance with all applicable securities laws, and provided that, after such transfer, the term "Holder" shall mean and include any transferee or assignee of the current or any future Holder. If only part of the Warrants evidenced hereby is transferred, the Corporation will deliver to the Holder and the transferee replacement Warrant Certificates substantially in the form of this Warrant Certificate.

17. Neither the issuance and sale of the securities represented by this Warrant Certificate nor the Common Shares into which these securities are exercisable have been registered under the United States Securities Act of 1933, as amended (the "U.S. Securities Act") or applicable state securities laws. These securities may not be offered for sale, sold, transferred or assigned unless registered under the U.S. Securities Act and any applicable state securities laws or unless an exemption from such registration is available, and the Corporation and its transfer agent has received an opinion of counsel of recognized standing in form and substance reasonably satisfactory to them to such effect.

18. Any certificate representing Common Shares issued upon the exercise of this Warrant may bear the following legends:

"UNLESS PERMITTED UNDER APPLICABLE SECURITIES LEGISLATION, THE HOLDER OF THIS SECURITY MUST NOT TRADE THIS SECURITY TO OR FOR THE BENEFIT OF A CANADIAN PURCHASER UNTIL THE DATE THAT IS FOUR MONTHS AND A DAY AFTER [_____]. (In the event that no physical certificates are issued, the above constitutes written notice of the legend restriction under applicable Canadian securities laws.)

THE SECURITIES REPRESENTED BY THIS CERTIFICATE HAVE NOT BEEN REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE "1933 ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED UNLESS REGISTERED UNDER THE 1933 ACT AND ANY APPLICABLE STATE SECURITIES LAWS OR UNLESS AN EXEMPTION FROM SUCH REGISTRATION IS AVAILABLE, AND THE CORPORATION AND ITS TRANSFER AGENT HAVE RECEIVED AN OPINION OF COUNSEL IN FORM AND SUBSTANCE SATISFACTORY TO THEM TO SUCH EFFECT."

19. The Corporation will maintain a register of holders of Warrants at its principal office. The Corporation may deem and treat the registered holder of any Warrant Certificate as the absolute owner of the Warrants represented thereby for all purposes, and the Corporation shall not be affected by any notice or knowledge to the contrary except where the Corporation is required to take notice by statute or by order of a court of competent jurisdiction. A Holder shall be entitled to the rights evidenced by such Warrant free from all equities or rights of set-off or counterclaim between the Corporation and the original or any intermediate holder thereof and all persons may act accordingly and the receipt by any such Holder of the Common Shares purchasable pursuant to such Warrant shall be a good discharge to the Corporation for the same and the Corporation shall not be bound to inquire into the title of any such Holder except where the Corporation is required to take notice by statute or by order of a court of competent jurisdiction.

20. The Corporation shall notify the Holder forthwith of any change of the Corporation's address.

21. All notices to be sent hereunder shall be deemed to be validly given to the registered holders of the Warrants if delivered personally or if sent by registered letter through the post addressed to such holders at their post office addresses appearing in the register of Warrant holders caused to be maintained by the Corporation, and such notice shall be deemed to have been given, if delivered personally when so delivered, and if sent by post on the fifth Business Day next following the post thereof.

22. If for any reason, other than the failure or default of the Holder, the Corporation is unable to issue and deliver the Common Shares or other securities as contemplated herein to the Holder upon the proper exercise by the Holder of the right to purchase any of the Common Shares purchasable upon exercise of the Warrants represented hereby, the Corporation may pay, at its option and in complete satisfaction of its obligations and the rights of the Holder hereunder, to the Holder, in cash, an amount equal to the difference between the Exercise Price and the Current Market Price of such Common Shares on the date of exercise by the Holder, and upon such payment the Corporation shall have no liability or other obligation to the Holder relating to or in respect of the Warrants or this Warrant Certificate.

23. This Warrant Certificate 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.

24. If one or more of the provisions contained herein shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any

other provision of this Warrant Certificate, but this Warrant Certificate shall be construed as if such invalid, illegal or unenforceable provision or provisions had never been contained herein.

25. This Warrant Certificate shall enure to the benefit of and shall be binding upon the Holder and the Corporation and their respective successors and assigns.

26. In the case of a dispute as to the determination of the Weighted Average Price, the Exercise Price or the arithmetic calculation of the Common Shares for which this Warrant is exercisable, the Corporation shall submit the disputed determinations or arithmetic calculations via facsimile or electronic mail to the Holder. If the Holder and the Corporation are unable to agree upon such determination or calculation of the Exercise Price or of the Common Shares for which this Warrant is exercisable within three (3) Business Days of such disputed determination or arithmetic calculation being submitted to the Holder, then the Corporation shall submit via facsimile or electronic mail (a) the disputed determination of the Exercise Price to an independent, reputable investment bank selected by the Corporation and approved by the Holder or (b) the disputed arithmetic calculation of the Common Shares for which this Warrant is exercisable to the Corporation's independent, outside accountant. The Corporation shall cause the investment bank or the accountant, as the case may be, to perform the determinations or calculations and notify the Corporation and the Holder of the results. Such investment bank's or accountant's determination or calculation, as the case may be, shall be binding upon all parties absent demonstrable error.

IN WITNESS WHEREOF the Corporation has caused this Warrant Certificate to be signed by its duly authorized officer.

DATED as of the 24th day of January.

SPHERE 3D CORP.

Per: /s/ Kurt Kalbfleisch
Kurt Kalbfleisch, Chief Financial Officer

WARRANT TRANSFER FORM

FOR VALUE RECEIVED, subject to receipt of prior written approval of SPHERE 3D CORP. (the "Corporation"), the undersigned (the "Transferor") hereby sells, assigns and transfers unto (name) _____ (the "Transferee") of _____ (residential address) _____ Warrants of the Corporation registered in the name of the undersigned represented by the within certificate, and irrevocably appoints the Corporation as the attorney of the undersigned to transfer the said securities on the register of transfers for the said Warrants, with full power of substitution.

NOTICE: The signature of this assignment must correspond with the name as written upon the face of the certificate, in every particular, without alteration or enlargement or any change whatever, and must be guaranteed by a bank, trust Corporation or a member of a recognized stock exchange. The guarantor must affix a stamp bearing the actual words "Signature Guaranteed".

DATED this ____ day of _____, 20__.

Signature Guaranteed

(Signature of transferring Warrantholder)

Name (please print)

Address

TRANSFeree ACKNOWLEDGMENT

In connection with this transfer the undersigned transferee is delivering a written opinion of U.S. Counsel acceptable to the Corporation to the effect that this transfer of Warrants has been registered under the 1933 Act or is exempt from registration thereunder.

(Signature of Transferee)

Date

Name of Transferee (please print)

The Warrants and the common shares issuable upon exercise of the Warrants shall only be transferable in accordance with applicable laws. The Warrants may only be exercised in the manner required by the certificate representing the Warrants and the Warrant Exercise Form attached thereto. Any common shares acquired pursuant to this Warrant shall be subject to applicable hold periods and any certificate representing such common shares will bear restrictive legends.

UNLESS PERMITTED UNDER APPLICABLE SECURITIES LEGISLATION, THE HOLDER OF THIS SECURITY MUST NOT TRADE THIS SECURITY TO OR FOR THE BENEFIT OF A CANADIAN PURCHASER UNTIL THE DATE THAT IS FOUR MONTHS AND A DAY AFTER JANUARY 24, 2017.

NEITHER THE ISSUANCE AND SALE OF THE SECURITIES REPRESENTED BY THIS CERTIFICATE NOR THE SECURITIES INTO WHICH THESE SECURITIES ARE EXERCISABLE HAVE BEEN REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE "1933 ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED UNLESS REGISTERED UNDER THE 1933 ACT AND ANY APPLICABLE STATE SECURITIES LAWS OR UNLESS AN EXEMPTION FROM SUCH REGISTRATION IS AVAILABLE, AND THE CORPORATION AND ITS TRANSFER AGENT HAS RECEIVED AN OPINION OF COUNSEL IN FORM AND SUBSTANCE SATISFACTORY TO THEM TO SUCH EFFECT.

Void after 5:00 p.m. (New York City time) on the Expiry Date.

WARRANT

For the purchase of Common Shares of

SPHERE 3D CORP.

(Organized under the laws of the Province of Ontario, Canada)

Number of Warrants: 8,333,333

Warrant Certificate No. 58

This is to certify that, for value received, MF Ventures, LLC, 201 Spear Street, 14th Floor, San Francisco, CA 94105 (the "**Holder**"), shall have the right to purchase from Sphere 3D Corp. (the "**Corporation**"), at any time and from time to time up to 5:00 p.m. (New York City time) (the "**Expiry Time**") on January 24, 2022¹ (the "**Expiry Date**"), as amended herein, one fully paid and non-assessable common share in the capital of the Corporation (a "**Common Share**") for each Warrant (individually, a "**Warrant**") represented hereby at a price of US\$0.55 per Common Share (the "**Exercise Price**"), upon and subject to the terms and conditions set forth herein. This Warrant is one of the Warrants to purchase Common Shares issued pursuant to that certain Purchase Agreement, dated as of December 30, 2016, by and among the Company and the investors (the "**Investors**") referred to therein (the "**Purchase Agreement**").

1. For the purposes of this Warrant Certificate, the term "**Common Shares**" means common shares without par value in the capital of the Corporation as constituted as of the date hereof, provided that in the event of a subdivision, redivision, reduction, combination or consolidation thereof or any other adjustment under Section 8 hereof, or successive such subdivisions, redivisions, reductions, combinations, consolidations or other adjustments, then subject to the adjustments, if any, having been made in accordance with the provisions of this Warrant Certificate, "**Common Shares**" shall thereafter mean the shares, other securities or other property resulting from such subdivision, redivision, reduction, combination or consolidation or other adjustment.

2. All Warrant Certificates shall be signed by an officer of the Corporation holding office at the time of signing, or any successor or replacement of such person and notwithstanding any change in any

¹ 5 year term from the date of issuing the warrant.

of the persons holding said offices between the time of actual signing and the delivery of the Warrant Certificate, the Warrant Certificate so signed shall be valid and binding upon the Corporation.

3. All rights under any of the Warrants in respect of which the right of subscription and purchase therein provided for shall not theretofore have been exercised shall wholly cease and such Warrants shall be wholly void and of no valid or binding effect after the Expiry Time.

4. The right to purchase Common Shares of the Corporation pursuant to the Warrants may only be exercised by the Holder at or before the Expiry Time by:

- (a) duly completing and executing a subscription substantially in the form attached as Schedule "A" (the "**Subscription Form**"), in the manner therein indicated; and
- (b) surrendering this Warrant Certificate and the duly completed and executed Subscription Form to the Corporation prior to the Expiry Time at 9112 Spectrum Center Boulevard, San Diego, California, 92123, together with payment of the purchase price for the Common Shares subscribed for in the form of certified cheque, money order or bank draft payable to the Corporation in an amount equal to the then applicable Exercise Price multiplied by the number of Common Shares subscribed for ("**Aggregate Exercise Price**").

5. Upon delivery and payment as set forth in Section 4, the Corporation shall cause to be issued to the Holder the number of Common Shares subscribed for by the Holder and the Holder shall become a shareholder of the Corporation in respect of such Common Shares with effect from the date of such delivery and payment and shall be entitled to delivery of a certificate or certificates evidencing such shares, or to a non-transferable written acknowledgement of the right to obtain a certificate. The Corporation shall cause such certificate or certificates to be mailed to the Holder at the address or addresses specified in the Subscription Form within five (5) Business Days (as defined below) of such delivery and payment as set forth in Section 4 or, if so instructed by the Holder, held for pick-up by the Holder at the principal office of the Corporation; provided, however, if the transfer agent for the Common Shares is participating in DTC Fast Automated Securities Transfer Program (the "**DTC Program**") and the Common Shares to be delivered to the Holder pursuant to this Section 5 are eligible to participate in the DTC Program, the Corporation will cause the transfer agent to credit such aggregate number of Common Shares to which the Holder is entitled pursuant to this Section 5 to the Holder's or its designee's balance account with DTC through its Deposit / Withdrawal At Custodian system. Notwithstanding any adjustment provided for in Section 8 hereof, the Corporation shall not be required upon the exercise of any Warrants to issue fractional Common Shares in satisfaction of its obligations hereunder and the Holder understands and agrees that it will not be entitled to any cash payment or other form of compensation in respect of a fractional Common Share that might otherwise have been issued. As used in this Warrant Certificate, "**Business Day**" means a day, other than a Saturday or Sunday, on which banks in New York City and Toronto (Ontario) are open for the general transaction of business.

6. The holding of a Warrant shall not constitute the Holder a shareholder of the Corporation nor entitle him to any right or interest in respect thereof except as herein expressly provided.

7. The Corporation covenants and agrees that until the Expiry Time, while any of the Warrants shall be outstanding, it shall reserve and there shall remain unissued out of its authorized capital a sufficient number of Common Shares to satisfy the right of purchase herein provided, as such right of purchase may be adjusted pursuant to Sections 8 and 9 hereof. The Corporation further covenants and agrees that while any of the Warrants shall be outstanding, the Corporation shall (a) comply with the securities legislation applicable to it; and (b) use its commercially reasonable efforts to do or cause to be done all things

necessary to preserve and maintain its corporate existence. All Common Shares which shall be issued upon the exercise of the right to purchase herein provided for, upon payment therefor of the amount at which such Common Shares may at the time be purchased pursuant to the provisions hereof, shall be issued as fully paid and non-assessable shares and the holders thereof shall not be liable to the Corporation or its creditors in respect thereof.

8. (a) As used in this Warrant, unless there is something in the subject matter or context inconsistent therewith, the words and terms defined below shall have the respective meanings specified therefor:

"**Current Market Price**" of the Common Shares at any date means the price per share equal to the Weighted Average Price (as defined below) at which the Common Shares have traded on the Nasdaq Global Market or, if the Common Shares are not then listed on the Nasdaq, on such other stock exchange on which the shares trade as may be selected by the directors of the Corporation for such purpose (collectively, "**Nasdaq**"); and

"**director**" means a director of the Corporation and, unless otherwise specified herein, a reference to action "by the directors" means action by the directors of the Corporation as a board or, whenever empowered, action by the executive committee of such board; and

"**Weighted Average Price**" means, for the Common Shares as of any date, the dollar volume-weighted average price for the Common Shares on Nasdaq during the period beginning at 9:30:01 a.m., New York time (or such other time as Nasdaq publicly announces is the official open of trading), and ending at 4:00:00 p.m., New York time (or such other time as Nasdaq publicly announces is the official close of trading), as reported by Bloomberg through its "Volume at Price" function or, if the foregoing does not apply, the dollar volume-weighted average price of such security in the over-the-counter market on the electronic bulletin board for such security during the period beginning at 9:30:01 a.m., New York time (or such other time as such market publicly announces is the official open of trading), and ending at 4:00:00 p.m., New York time (or such other time as such market publicly announces is the official close of trading), as reported by Bloomberg, or, if no dollar volume-weighted average price is reported for such security by Bloomberg for such hours, the average of the highest closing bid price and the lowest closing ask price of any of the market makers for such security as reported in the OTC Link or "pink sheets" by OTC Markets Group Inc. (formerly Pink OTC Markets Inc.). If the Weighted Average Price cannot be calculated for a security on a particular date on any of the foregoing bases, the Weighted Average Price of the Common Shares on such date shall be the fair market value as mutually determined by the Corporation and the Holder. If the Corporation and the Holder are unable to agree upon the fair market value of such security, then such dispute shall be resolved pursuant to Section 26.

(b) If and whenever at any time after the date hereof and prior to the Expiry Time the Corporation shall (i) subdivide or redivide its then outstanding Common Shares into a greater number of Common Shares, (ii) reduce, combine or consolidate its then outstanding Common Shares into a lesser number of Common Shares or (iii) issue Common Shares (or securities exchangeable for or convertible into Common Shares) to the holders of all or substantially all of its then outstanding Common Shares by way of a stock dividend or other distribution (any of such events herein called a "**Common Share Reorganization**"), then the Exercise Price shall be adjusted effective immediately after the effective date of any such event in (i) or (ii) above or the record date at which the

holders of Common Shares are determined for the purpose of any such dividend or distribution in (iii) above, as the case may be, by multiplying the Exercise Price in effect on such effective date or record date, as the case may be, by a fraction, the numerator of which shall be the number of Common Shares outstanding on such effective date or record date, as the case may be, before giving effect to such Common Share Reorganization and the denominator of which shall be the number of Common Shares outstanding immediately after giving effect to such Common Share Reorganization including, in the case where securities exchangeable for or convertible into Common Shares are distributed, the number of Common Shares that would be outstanding if such securities were exchanged for or converted into Common Shares.

- (c) If and whenever at any time after the date hereof and prior to the Expiry Time there is a capital reorganization of the Corporation or a reclassification or other change in the Common Shares (other than a Common Share Reorganization) or a consolidation or merger or amalgamation of the Corporation with or into any other corporation or other entity (other than a consolidation, merger or amalgamation which does not result in any reclassification of the outstanding Common Shares or a change of the Common Shares into other securities), or a transfer of all or substantially all of the Corporation's undertaking and assets to another corporation or other entity in which the holders of Common Shares are entitled to receive shares, other securities or other property) (any of such events, excluding, however, a transaction effected solely to change the domicile of the Corporation, being called a "**Capital Reorganization**"), after the effective date of the Capital Reorganization the Holder shall be entitled to receive, and shall accept, for the same aggregate consideration, upon exercise of the Warrants, in lieu of the number of Common Shares to which the Holder was theretofore entitled upon the exercise of the Warrants, the kind and aggregate number of Common Shares and other securities or property resulting from the Capital Reorganization which the Holder would have been entitled to receive as a result of the Capital Reorganization if, on the effective date thereof, the Holder has been the registered holder of the number of Common Shares to which the Holder was theretofore entitled to purchase or receive upon the exercise of the Warrants. If necessary, as a result of any Capital Reorganization, appropriate adjustments shall be made in the application of the provisions of this Warrant Certificate with respect to the rights and interest thereafter of the Holder such that the provisions of this Warrant Certificate shall thereafter correspondingly be made applicable as nearly as may reasonably be possible in relation to any shares or other securities or property thereafter deliverable upon the exercise of this Warrant Certificate.
- (d) If and whenever at any time after the date hereof and prior to the Expiry Time, any of the events set out in Sections 8 (b) or (c) shall occur and the occurrence of such event results in an adjustment of the Exercise Price pursuant to the provisions of this Section 8, then the number of Common Shares purchasable pursuant to this Warrant shall be adjusted contemporaneously with the adjustment of the Exercise Price by multiplying the number of Common Shares then otherwise purchasable on the exercise thereof by a fraction, the numerator of which shall be the Exercise Price in effect immediately prior to the adjustment and the denominator of which shall be the Exercise Price resulting from such adjustment.
- (e) If the Corporation takes any action affecting its Common Shares to which the foregoing provisions of this Section 8, in the opinion of the board of directors of the Corporation, acting in good faith, are not strictly applicable, or if strictly applicable would not fairly adjust the rights of the Holder against dilution in accordance with the intent and purposes

hereof, or would otherwise materially affect the rights of the Holder hereunder, then the Corporation shall, subject to the approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable), execute and deliver to the Holder an amendment hereto providing for an adjustment in the application of such provisions so as to adjust such rights as aforesaid in such manner as the board of directors of the Corporation may determine to be equitable in the circumstances, acting in good faith. The failure of the taking of action by the board of directors of the Corporation to so provide for any adjustment on or prior to the effective date of any action or occurrence giving rise to such state of facts will be conclusive evidence that the board of directors has determined that it is equitable to make no adjustment in the circumstances.

9. The following rules and procedures shall be applicable to the adjustments made pursuant to Section 8:

- (a) any Common Shares owned or held by or for the account of the Corporation shall be deemed not to be outstanding except that, for the purposes of Section 8, any Common Shares owned by a pension plan or profit sharing plan for employees of the Corporation or any of its subsidiaries shall not be considered to be owned or held by or for the account of the Corporation;
- (b) no adjustment in the Exercise Price or the number of Common Shares purchasable pursuant to this Warrant shall be required unless a change of at least 1% of the prevailing Exercise Price or the number of Common Shares purchasable pursuant to this Warrant would result, provided, however, that any adjustment which, except for the provisions of this Section 9(b), would otherwise have been required to be made, shall be carried forward and taken into account in any subsequent adjustment;
- (c) the adjustments provided for in Section 8 are cumulative and shall apply to successive subdivisions, consolidations, dividends, distributions and other events resulting in any adjustment under the provisions of such section;
- (d) if the Corporation sets a record date to take any action and thereafter and before the taking of such action abandons its plan to take such action, then no adjustment to the Exercise Price will be required by reason of the setting of such record date;
- (e) as a condition precedent to the taking of any action which would require any adjustment to the Warrants evidenced hereby, including the Exercise Price, the Corporation must take any corporate action which may be necessary in order that the Corporation shall have unissued and reserved in its authorized capital and may validly and legally issue as fully paid and non-assessable all of the shares or other securities which the Holder is entitled to receive on the full exercise thereof in accordance with the provisions hereof;
- (f) forthwith, but no later than fourteen (14) days, after any adjustment to the Exercise Price or the number of Common Shares purchasable pursuant to the Warrants, the Corporation shall provide to the Holder a certificate of an officer of the Corporation certifying as to the amount of such adjustment and, in reasonable detail, describing the event requiring and the manner of computing or determining such adjustment;
- (g) any question that at any time or from time to time arises with respect to the amount of any adjustment to the Exercise Price or other adjustment pursuant to Section 8 shall be

conclusively determined by a firm of independent chartered accountants (who may be the Corporation's auditors) and shall be binding upon the Corporation and the Holder;

- (h) any adjustment to the Exercise Price or the number of Common Shares purchasable pursuant to the Warrants under the terms of this Warrant Certificate shall be subject to the prior approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable); and
- (i) in case the Corporation, after the date of issue of this Warrant Certificate, takes any action affecting the Common Shares, other than an action described in Section 8, which in the opinion of the directors of the Corporation would materially affect the rights of the Holder, the Exercise Price will be adjusted in such manner, if any, and at such time, by action by the directors of the Corporation but subject in all cases to any necessary regulatory approval, including approval of the Nasdaq (or such other stock exchange or quotation system on which the Common Shares are then listed and posted (or quoted) for trading, as applicable). Failure of the taking of action by the directors of the Corporation so as to provide for an adjustment on or prior to the effective date of any action by the Corporation affecting the Common Shares will be conclusive evidence that the board of directors of the Corporation has determined that it is equitable to make no adjustment in the circumstances.

10. At least 21 days prior to the effective date or record date, as the case may be, of any event referred to in Section 8 herein, the Corporation shall notify the Holder of the particulars of such event and the estimated amount of any adjustment required as a result thereof.

11. On the happening of each and every such event set out in Section 8, the applicable provisions of this Warrant Certificate, including the Exercise Price, shall, *ipso facto*, be deemed to be amended accordingly and the Corporation shall take all necessary action so as to comply with such provisions as so amended.

12. The Corporation shall not be required to deliver certificates for Common Shares while the share transfer books of the Corporation are properly closed, having regard to the provisions of Sections 8 and 9 hereof, prior to any meeting of shareholders or for the payment of dividends or for any other purpose and in the event of the surrender of any Warrant in accordance with the provisions hereof and the making of any subscription and payment for the Common Shares called for thereby during any such period, delivery of certificates for Common Shares may be postponed for not more than five (5) Business Days after the date of the re-opening of said share transfer books; provided, however, that any such postponement of delivery of certificates shall be without prejudice to the right of the Holder so surrendering the same and making payment during such period to receive after the share transfer books shall have been re-opened such certificates for the Common Shares called for, as the same may be adjusted pursuant to Sections 8 and 9 hereof as a result of the completion of the event in respect of which the transfer books were closed.

13. Subject as hereinafter provided, all or any of the rights conferred upon the Holder by the terms hereof may be enforced by the Holder by appropriate legal proceedings. No recourse under or upon any obligation, covenant or agreement contained herein shall be had against any shareholder, director or officer of the Corporation either directly or through the Corporation, it being expressly agreed and declared that the obligations under the Warrants are solely corporate obligations and that no personal liability whatever shall attach to or be incurred by the shareholders, directors or officers of the Corporation or any of them in respect thereof, any and all rights and claims against every such

shareholder, officer or director being hereby expressly waived as a condition of and as a consideration for the issue of the Warrants.

14. The Holder may subscribe for and purchase any lesser number of Common Shares than the number of Common Shares expressed in any Warrant Certificate. In the case of any subscription for a lesser number of Common Shares than expressed in any Warrant Certificate, the Holder hereof shall be entitled to receive, at no cost to the Holder, a new Warrant Certificate in respect of the balance of Warrants not then exercised. Such new Warrant Certificate shall be mailed to the Holder by the Corporation or, at its direction, the transfer agent of the Corporation, contemporaneously with the mailing of the certificate or certificates representing the Common Shares issued pursuant to Section 5.

15. If any Warrant Certificate becomes stolen, lost, mutilated or destroyed, the Corporation shall, on such terms as it may in its discretion impose, acting reasonably, issue and sign a new Warrant Certificate of like denomination, tenor and date as the Warrant Certificate so stolen, lost, mutilated or destroyed for delivery to the Holder. The applicant for the issue of a new Warrant Certificate pursuant to this section shall bear the cost of the issue thereof and in the case of mutilation shall as a condition precedent to the issue thereof, deliver to the Corporation the mutilated Warrant Certificate, and in case of loss, destruction or theft shall, as a condition precedent to the issue thereof, furnish to the Corporation such evidence of ownership and of the loss, destruction or theft of the Warrant Certificate so lost, destroyed or stolen as shall be satisfactory to the Corporation in its discretion and the applicant shall also be required to furnish an indemnity and surety bond in amount and form satisfactory to the Corporation in its discretion and shall pay the reasonable charges of the Corporation in connection therewith.

16. The Holder may transfer the Warrants represented hereby by:

- (a) duly completing and executing the transfer form attached as Schedule "B" ("Transfer Form"); and
- (b) surrendering this Warrant Certificate and the completed Transfer Form, together with such other documents as the Corporation may reasonably request, to the Corporation at the address set forth on the Transfer Form or such other office as may be specified by the Corporation, in a written notice to the Holder, from time to time,

provided that all such transfers shall be effected in accordance with all applicable securities laws, and provided that, after such transfer, the term "Holder" shall mean and include any transferee or assignee of the current or any future Holder. If only part of the Warrants evidenced hereby is transferred, the Corporation will deliver to the Holder and the transferee replacement Warrant Certificates substantially in the form of this Warrant Certificate.

17. Neither the issuance and sale of the securities represented by this Warrant Certificate nor the Common Shares into which these securities are exercisable have been registered under the United States Securities Act of 1933, as amended (the "**U.S. Securities Act**") or applicable state securities laws. These securities may not be offered for sale, sold, transferred or assigned unless registered under the U.S. Securities Act and any applicable state securities laws or unless an exemption from such registration is available, and the Corporation and its transfer agent has received an opinion of counsel of recognized standing in form and substance reasonably satisfactory to them to such effect.

18. Any certificate representing Common Shares issued upon the exercise of this Warrant may bear the following legends:

"UNLESS PERMITTED UNDER APPLICABLE SECURITIES LEGISLATION, THE HOLDER OF THIS SECURITY MUST NOT TRADE THIS SECURITY TO OR FOR THE BENEFIT OF A CANADIAN PURCHASER UNTIL THE DATE THAT IS FOUR MONTHS AND A DAY AFTER [_____]. (In the event that no physical certificates are issued, the above constitutes written notice of the legend restriction under applicable Canadian securities laws.)

THE SECURITIES REPRESENTED BY THIS CERTIFICATE HAVE NOT BEEN REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE "1933 ACT"), OR APPLICABLE STATE SECURITIES LAWS. THE SECURITIES MAY NOT BE OFFERED FOR SALE, SOLD, TRANSFERRED OR ASSIGNED UNLESS REGISTERED UNDER THE 1933 ACT AND ANY APPLICABLE STATE SECURITIES LAWS OR UNLESS AN EXEMPTION FROM SUCH REGISTRATION IS AVAILABLE, AND THE CORPORATION AND ITS TRANSFER AGENT HAVE RECEIVED AN OPINION OF COUNSEL IN FORM AND SUBSTANCE SATISFACTORY TO THEM TO SUCH EFFECT."

19. The Corporation will maintain a register of holders of Warrants at its principal office. The Corporation may deem and treat the registered holder of any Warrant Certificate as the absolute owner of the Warrants represented thereby for all purposes, and the Corporation shall not be affected by any notice or knowledge to the contrary except where the Corporation is required to take notice by statute or by order of a court of competent jurisdiction. A Holder shall be entitled to the rights evidenced by such Warrant free from all equities or rights of set-off or counterclaim between the Corporation and the original or any intermediate holder thereof and all persons may act accordingly and the receipt by any such Holder of the Common Shares purchasable pursuant to such Warrant shall be a good discharge to the Corporation for the same and the Corporation shall not be bound to inquire into the title of any such Holder except where the Corporation is required to take notice by statute or by order of a court of competent jurisdiction.

20. The Corporation shall notify the Holder forthwith of any change of the Corporation's address.

21. All notices to be sent hereunder shall be deemed to be validly given to the registered holders of the Warrants if delivered personally or if sent by registered letter through the post addressed to such holders at their post office addresses appearing in the register of Warrant holders caused to be maintained by the Corporation, and such notice shall be deemed to have been given, if delivered personally when so delivered, and if sent by post on the fifth Business Day next following the post thereof.

22. If for any reason, other than the failure or default of the Holder, the Corporation is unable to issue and deliver the Common Shares or other securities as contemplated herein to the Holder upon the proper exercise by the Holder of the right to purchase any of the Common Shares purchasable upon exercise of the Warrants represented hereby, the Corporation may pay, at its option and in complete satisfaction of its obligations and the rights of the Holder hereunder, to the Holder, in cash, an amount equal to the difference between the Exercise Price and the Current Market Price of such Common Shares on the date of exercise by the Holder, and upon such payment the Corporation shall have no liability or other obligation to the Holder relating to or in respect of the Warrants or this Warrant Certificate.

23. This Warrant Certificate 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.

24. If one or more of the provisions contained herein shall, for any reason, be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any

other provision of this Warrant Certificate, but this Warrant Certificate shall be construed as if such invalid, illegal or unenforceable provision or provisions had never been contained herein.

25. This Warrant Certificate shall enure to the benefit of and shall be binding upon the Holder and the Corporation and their respective successors and assigns.

26. In the case of a dispute as to the determination of the Weighted Average Price, the Exercise Price or the arithmetic calculation of the Common Shares for which this Warrant is exercisable, the Corporation shall submit the disputed determinations or arithmetic calculations via facsimile or electronic mail to the Holder. If the Holder and the Corporation are unable to agree upon such determination or calculation of the Exercise Price or of the Common Shares for which this Warrant is exercisable within three (3) Business Days of such disputed determination or arithmetic calculation being submitted to the Holder, then the Corporation shall submit via facsimile or electronic mail (a) the disputed determination of the Exercise Price to an independent, reputable investment bank selected by the Corporation and approved by the Holder or (b) the disputed arithmetic calculation of the Common Shares for which this Warrant is exercisable to the Corporation's independent, outside accountant. The Corporation shall cause the investment bank or the accountant, as the case may be, to perform the determinations or calculations and notify the Corporation and the Holder of the results. Such investment bank's or accountant's determination or calculation, as the case may be, shall be binding upon all parties absent demonstrable error.

IN WITNESS WHEREOF the Corporation has caused this Warrant Certificate to be signed by its duly authorized officer.

DATED as of the 24th day of January.

SPHERE 3D CORP.

Per: /s/ Kurt Kalbfleisch
Kurt Kalbfleisch, Chief Financial Officer

WARRANT TRANSFER FORM

FOR VALUE RECEIVED, subject to receipt of prior written approval of SPHERE 3D CORP. (the "**Corporation**"), the undersigned (the "**Transferor**") hereby sells, assigns and transfers unto (name) _____ (the "**Transferee**") of (residential address) _____ Warrants of the Corporation registered in the name of the undersigned represented by the within certificate, and irrevocably appoints the Corporation as the attorney of the undersigned to transfer the said securities on the register of transfers for the said Warrants, with full power of substitution.

NOTICE: The signature of this assignment must correspond with the name as written upon the face of the certificate, in every particular, without alteration or enlargement or any change whatever, and must be guaranteed by a bank, trust Corporation or a member of a recognized stock exchange. The guarantor must affix a stamp bearing the actual words "Signature Guaranteed".

DATED this ____ day of _____, 20__.

Signature Guaranteed

(Signature of transferring Warranholder)

Name (please print)

Address

TRANSFeree ACKNOWLEDGMENT

In connection with this transfer the undersigned transferee is delivering a written opinion of U.S. Counsel acceptable to the Corporation to the effect that this transfer of Warrants has been registered under the 1933 Act or is exempt from registration thereunder.

(Signature of Transferee)

Date

Name of Transferee (please print)

The Warrants and the common shares issuable upon exercise of the Warrants shall only be transferable in accordance with applicable laws. The Warrants may only be exercised in the manner required by the certificate representing the Warrants and the Warrant Exercise Form attached thereto. Any common shares acquired pursuant to this Warrant shall be subject to applicable hold periods and any certificate representing such common shares will bear restrictive legends.

Joint Filing Agreement Pursuant to Rule 13d-1(k)

This "**Joint Filing Agreement**" is made pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), by and among the parties listed below, each a "**Joint Filer**."

The Joint Filers agree that the Statement on Schedule 13D, to which this Joint Filing Agreement is an exhibit (the "**Statement**"), may be filed on each of their behalf and that the Statement may thereafter be amended by further joint filings. The Joint Filers state that they each satisfy the requirements for making a joint filing under Rule 13d-1(k) of the Exchange Act.

IN WITNESS WHEREOF, each of the Joint Filers hereby execute this Joint Filing Agreement as of February 1, 2017.

MF Ventures, LLC

By: /s/ Victor B. MacFarlane
Name: Victor B. MacFarlane
Title: Manager

Victor B. MacFarlane

/s/ Victor B. MacFarlane

Thaderine D. MacFarlane

/s/ Thaderine D. MacFarlane
