

**EXHIBIT 4**

*Exhibit 4 displays the changes proposed in this Amendment No. 1. The proposed changes in the original filing are shown as if adopted. Proposed additions in this Amendment No. 1 appear underlined.*

**Nasdaq BX, Inc. Rules**

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**Options Rules**

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**Options 4 Options Listing Rules**

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**Section 5. Series of Options Contracts Open for Trading**

(a) After a particular class of options has been approved for listing and trading on the Exchange by the Exchange, the Exchange from time to time may open for trading series of options in that class. Only options contracts in series of options currently open for trading may be purchased or written on the Exchange. Prior to the opening of trading in a given series, the Exchange will fix the type of option, expiration month, year and exercise price of that series. Exercise-price setting parameters adopted as part of the Options Listing Procedures Plan (“OLPP”) are set forth in Options 4, Section 6(b). For Short Term Option Series, the Exchange will fix a specific expiration date and exercise price, as provided in Supplementary Material .03. For Quarterly Options Series, the Exchange will fix a specific expiration date and exercise price, as provided in Supplementary Material .04.

(1) Notwithstanding the requirements set forth in this section and any Supplementary Material thereto, the Exchange may list additional expiration months on options classes opened for trading on the Exchange if such expiration months are opened for trading on at least one other registered national securities exchange.

(b) At the commencement of trading on the Exchange of a particular class of options, the Exchange will open a minimum of one (1) series of options in that class. The exercise price of the series will be fixed at a price per share, relative to the underlying stock price in the primary market at about the time that class of options is first opened for trading on the Exchange.

(c) Additional series of options of the same class may be opened for trading on the Exchange when the Exchange deems it necessary to maintain an orderly market, to meet customer demand or when the market price of the underlying stock moves more than five

strike prices from the initial exercise price or prices. The opening of a new series of options shall not affect the series of options of the same class previously opened. New series of options on an individual stock may be added until the beginning of the month in which the options contract will expire. Due to unusual market conditions, the Exchange, in its discretion, may add a new series of options on an individual stock until the close of trading on the business day prior to the business day of expiration, or, in the case of an option contract expiring on a day that is not a business day, on the second business day prior to expiration.

(d) Except as otherwise provided in the Supplementary Material hereto the interval between strike prices of series of options on individual stocks will be:

- (1) \$2.50 or greater where the strike price is \$25.00 or less;
- (2) \$5.00 or greater where the strike price is greater than \$25.00; and
- (3) \$10.00 or greater where the strike price is greater than \$200.00.

The interval between strike prices of series of options on Exchange-Traded Fund Shares approved for options trading pursuant to Section 3(i) of this Options 4 shall be fixed at a price per share which is reasonably close to the price per share at which the underlying security is traded in the primary market at or about the same time such series of options is first open for trading on the Exchange, or at such intervals as may have been established on another options exchange prior to the initiation of trading on the Exchange.

(e) Notwithstanding any other provision regarding the interval of strike prices of series of options on Exchange-Traded Fund Shares in this rule, the interval of strike prices on SPDR® S&P 500® ETF ("SPY"), iShares Core S&P 500 ETF ("IVV"), PowerShares QQQ Trust ("QQQ"), iShares Russell 2000 Index Fund ("IWM"), and the SPDR® Dow Jones® Industrial Average ETF ("DIA") options will be \$1 or greater.

(f) \$0.50 and \$1.00 Strike Price Intervals for Options Used to Calculate Volatility Indexes. Notwithstanding the requirements set forth in this section and Supplementary Material .01, .05, and subparagraph (e) above, the Exchange may open for trading series at \$0.50 or greater strike price intervals where the strike price is less than \$75 and \$1.00 or greater strike price intervals where the strike price is between \$75 and \$150 for options that are used to calculate a volatility index.

(g) The Exchange will open at least one expiration month for each class of options open for trading on the Exchange.

(h) The interval between strike prices of series of options on Index-Linked Securities, as defined in Options 4, Section 3(l), will be \$1 or greater when the strike price is \$200 or less and \$5 or greater when the strike price is greater than \$200.

(i) The interval between strike prices of series of options on Trust Issued Receipts, including Holding Company Depository Receipts (HOLDERS), will be \$1 or greater where the strike price is \$200 or less and \$5 or greater where the strike price is greater than \$200.

(j) The interval of strike prices may be \$2.50 in any multiply-traded option class to the extent permitted on the Exchange by the Commission or once another exchange trading that option lists strike prices of \$2.50 on such options class.

(k) New series of equity options, options on Exchange Traded Funds, and options on Trust Issued Receipts opened for trading shall be subject to the range limitations set forth in Options 4, Section 6(b).

## **Supplementary Material to Options 4, Section 5**

### **.01 \$1 Strike Price Interval Program**

(a) Program Description. The interval between strike prices of series of options on individual stocks may be \$1.00 or greater strike price intervals where the strike price is \$50 or less, but not less than \$1. Except as provided in subparagraph (c) below, the listing of \$1 strike price intervals shall be limited to option classes overlying no more than one hundred fifty (150) individual stocks as specifically designated by the Exchange. The Exchange may list \$1 strike price intervals on any other option classes if those classes are specifically designated by other national securities exchanges that employ a \$1 Strike Price Interval Program under their respective rules. If a class participates in the \$1 Strike Price Interval Program, \$2.50 strike price intervals are not permitted between \$1 and \$50 for non-LEAPS and LEAPS.

(b) Initial and Additional Series. To be eligible for inclusion into the \$1 Strike Price Interval Program, an underlying security must close below \$50 in the primary market on the previous trading day.

After a security is added to the \$1 Strike Price Interval Program, the Exchange may list \$1 strike price intervals from \$1 to \$50 according to the following parameters:

(1) If the price of the underlying stock is equal to or less than \$20, the Exchange may list series with an exercise price up to 100% above and 100% below the price of the underlying stock. However, the foregoing restriction shall not prohibit the listing of at least five (5) strike prices above and below the price of the underlying stock per expiration month in an option class. For example, if the price of the underlying stock is \$2, the Exchange would be permitted to list the following series: \$1, \$2, \$3, \$4, \$5, \$6 and \$7.

(2) If the price of the underlying stock is greater than \$20, the Exchange may list series with an exercise price up to 50% above and 50% below the price of the underlying security up to \$50.

(3) For the purpose of adding strikes under the \$1 Strike Price Interval Program, the "price of the underlying stock" shall be measured in the same way as "the price of the underlying security" is as set forth in Options 4, Section 6(b)(i).

(4) No additional series in \$1 strike price intervals may be listed if the underlying stock closes at or above \$50 in its primary market. Additional series in \$1 strike price intervals may not be added until the underlying stock closes again below \$50.

(5) Long-Term Options Series or "LEAPS". For stocks in the \$1 Strike Price Interval Program, the Exchange may list one \$1 strike price interval between each standard \$5 strike interval, with the \$1 strike price interval being \$2 above the standard strike for each interval above the price of the underlying stock, and \$2 below the standard strike for each interval below the price of the underlying stock ("2 wings"). For example, if the price of the underlying stock is \$24.50, the Exchange may list the following standard strikes in \$5 intervals: \$15, \$20, \$25, \$30 and \$35. Between these standard \$5 strikes, the Exchange may list the following \$2 wings: \$18, \$27 and \$32. In addition, the Exchange may list the \$1 strike price interval, which is \$2 above the standard strike just below the underlying price at the time of listing. In the above example, since the standard strike just below the underlying price (\$24.50) is \$20, the Exchange may list a \$22 strike. The Exchange may add additional long-term options series strikes as the price of the underlying stock moves, consistent with the OLPP.

Additional long-term option strikes may not be listed within \$1 of an existing strike until less than nine months to expiration.

A security shall remain in the \$1 Strike Price Interval Program until otherwise designated by the Exchange.

(c) The Exchange may list \$1 strike prices up to \$5 in LEAPS in up to 200 option classes on individual stocks. The Exchange may not list \$1 strike price intervals within \$0.50 of an existing \$2.50 strike in the same expiration.

(d) Delisting Policy. For options classes selected to participate in the \$1 Strike Program, the Exchange will, on a monthly basis, review series that were originally listed under the \$1 Strike Program with strike prices that are more than \$5 from the current value of an options class and delist those series with no open interest in both the put and the call series having a: (i) strike higher than the highest strike price with open interest in the put and/or call series for a given expiration month; and (ii) strike lower than the lowest strike price with open interest in the put and/or call series for a given expiration month. If the Exchange identifies series for delisting pursuant to this policy, the Exchange shall notify other options exchanges with similar delisting policies regarding the eligible series for delisting, and shall work jointly with such other exchanges to develop a uniform list of series to be delisted so as to ensure uniform series delisting of multiply listed options classes.

Notwithstanding the above delisting policy, the Exchange may grant member requests to add strikes and/or maintain strikes in series of options classes traded pursuant to the \$1 Strike Program that are eligible for delisting.

**.02 \$2.50 Strike Price Interval Program.** The Exchange may select up to 60 options classes on individual stocks for which the interval of strike prices will be \$2.50 where the strike price is greater than \$25 but less than \$50 (the "\$2.50 Strike Price Program"). On any option class that has been selected as part of this \$2.50 Strike Price Program, \$2.50 strike prices between \$50 and \$100 may be listed, provided that \$2.50 strike prices between \$50 and \$100 are no more than \$10 from the closing price of the underlying stock in its primary market on the preceding day. For example, if an options class has been selected as part of the \$2.50 Strike Price Program, and the underlying stock closes at \$48.50 in its primary market, the Exchange may list the \$52.50 strike price and the \$57.50 strike price on the next business day. If an underlying security closes at \$54, the Exchange may list the \$52.50 strike price, the \$57.50 strike price and the \$62.50 strike price on the next business day. The Exchange may list a strike price interval of \$2.50 in any multiply-traded option once an exchange selects an option as part of the \$2.50 Strike Price Program.

**.03 Short Term Option Series Program:** After an option class has been approved for listing and trading on the Exchange, the Exchange may open for trading on any Thursday or Friday that is a business day ("Short Term Option Opening Date") series of options on that class that expire at the close of business on each of the next five Fridays that are business days and are not Fridays in which monthly options series or Quarterly Options Series expire ("Short Term Option Expiration Dates"). The Exchange may have no more than a total of five Short Term Option Expiration Dates, not including any Monday or Wednesday SPY Expirations as provided below. If the Exchange is not open for business on the respective Thursday or Friday, the Short Term Option Opening Date will be the first business day immediately prior to that respective Thursday or Friday. Similarly, if the Exchange is not open for business on a Friday, the Short Term Option Expiration Date will be the first business day immediately prior to that Friday. With respect to Wednesday SPY Expirations, the Exchange may open for trading on any Tuesday or Wednesday that is a business day series of options on the SPDR S&P 500 ETF Trust (SPY) to expire on any Wednesday of the month that is a business day and is not a Wednesday in which Quarterly Options Series expire ("Wednesday SPY Expirations"). With respect to Monday SPY Expirations, the Exchange may open for trading on any Friday or Monday that is a business day series of options on the SPY to expire on any Monday of the month that is a business day and is not a Monday in which Quarterly Options Series expire ("Monday SPY Expirations"), provided that Monday SPY Expirations that are listed on a Friday must be listed at least one business week and one business day prior to the expiration. The Exchange may list up to five consecutive Wednesday SPY Expirations and five consecutive Monday SPY Expirations at one time; the Exchange may have no more than a total of five Wednesday SPY Expirations and a total of five Monday SPY Expirations. Monday and Wednesday SPY Expirations will be subject to the provisions of this Rule. Regarding Short Term Option Series:

(a) Classes. The Exchange may select up to fifty (50) currently listed option classes on which Short Term Option Series may be opened on any Short Term Option Opening Date. In addition to the 50 option class restriction, the Exchange may also list Short Term Option Series on any option classes that are selected by other securities exchanges that employ a similar program under their respective rules. For each option class eligible for participation in the Short Term Option Series Program, the Exchange may open up to 30 Short Term Option Series for each expiration date in that class. The Exchange may also open Short Term Option Series that are opened by other securities exchanges in option classes selected by such exchanges under their respective short term option rules.

(b) Expiration. With the exception of Monday and Wednesday SPY Expirations, no Short Term Option Series may expire in the same week in which monthly option series on the same class expire. In the case of Quarterly Options Series, no Short Term Option Series may expire on the same day as an expiration of Quarterly Options Series.

(c) Initial Series. The Exchange may open up to 30 initial series for each option class that participates in the Short Term Option Series Program. The strike price of each Short Term Option Series will be fixed at a price per share, with approximately the same number of strike prices being opened above and below the value of the underlying security at about the time that the Short Term Option Series are initially opened for trading on the Exchange (e.g., if seven series are initially opened, there will be at least three strike prices above and three strike prices below the value of the underlying security). Any strike prices listed by the Exchange shall be reasonably close to the price of the underlying equity security and within the following parameters: (i) if the price of the underlying security is less than or equal to \$20, strike prices shall be not more than one hundred percent (100%) above or below the price of the underlying security; and (ii) if the price of the underlying security is greater than \$20, strike prices shall be not more than fifty percent (50%) above or below the price of the underlying security.

(d) Additional Series. If the Exchange opens less than thirty (30) Short Term Option Series for a Short Term Option Expiration Date, additional series may be opened for trading on the Exchange when the Exchange deems it necessary to maintain an orderly market, to meet customer demand or when the market price of the underlying security moves substantially from the exercise price or prices of the series already opened.

Any additional strike prices listed by the Exchange shall be reasonably close to the price of the underlying equity security and within the following parameters: (i) if the price of the underlying security is less than or equal to \$20, additional strike prices shall be not more than one hundred percent (100%) above or below the price of the underlying security; and (ii) if the price of the underlying security is greater than \$20, additional strike prices shall be not more than fifty percent (50%) above or below the price of the underlying security.

The Exchange may also open additional strike prices on Short Term Option Series that are more than 50% above or below the current price of the underlying security (if the price is greater than \$20); provided that demonstrated customer interest exists for such series, as expressed by institutional, corporate or individual customers or their brokers. Market makers trading for their own account shall not be considered when determining customer interest under this provision.

In the event that the underlying security has moved such that there are no series that are at least 10% above or below the current price of the underlying security, the Exchange will delist any series with no open interest in both the call and the put series having a: (i) strike higher than the highest strike price with open interest in the put and/or call series for a given expiration week; and (ii) strike lower than the lowest strike price with open interest in the put and/or the call series for a given expiration week. The opening of new Short Term Option Series shall not affect the series of options of the same class previously opened. Notwithstanding any other provisions in this section, Short Term Option Series may be added up to and including on the Short Term Option Expiration Date for that options series.

(e) Strike Interval. During the month prior to expiration of an option class that is selected for the Short Term Option Series Program pursuant to this rule ("Short Term Option"), the strike price intervals for the related non-Short Term Option ("Related non-Short Term Option") shall be the same as the strike price intervals for the Short Term Option. The Exchange may open for trading Short Term Option Series on the Short Term Option Opening Date that expire on the Short Term Option Expiration Date at strike price intervals of (i) \$0.50 or greater where the strike price is less than \$100, and \$1 or greater where the strike price is between \$100 and \$150 for all option classes that participate in the Short Term Options Series Program; (ii) \$0.50 for option classes that trade in one dollar increments and are in the Short Term Option Series Program; or (iii) \$2.50 or greater where the strike price is above \$150.

(f) Notwithstanding (e) above, when Short Term Options Series in equity options, excluding Exchange-Traded Funds ("ETFs") and ETNs, have an expiration more than twenty-one days from the listing date, the strike interval for each options class shall be based on the table within Supplementary Material .07.

**.04 Quarterly Options Series Program:** The Exchange may list and trade options series that expire at the close of business on the last business day of a calendar quarter ("Quarterly Options Series"). The Exchange may list Quarterly Options Series for up to five (5) currently listed options classes that are either index options or options on exchange traded funds ("ETFs"). In addition, the Exchange may also list Quarterly Options Series on any options classes that are selected by other securities exchanges that employ a similar program under their respective rules.

(a) Expiration. The Exchange may list series that expire at the end of the next consecutive four (4) calendar quarters, as well as the fourth quarter of the next calendar year.

(b) The Exchange will not list a Short Term Option Series on an options class whose expiration coincides with that of a Quarterly Options Series on that same options class.

(c) Initial Series. The strike price of each Quarterly Options Series will be fixed at a price per share, with at least two strike prices above and two strike prices below the approximate value of the underlying security at about the time that a Quarterly Options Series is opened for trading on the Exchange. The Exchange shall list strike prices for a Quarterly Options Series that are within \$5 from the closing price of the underlying on the preceding day.

(d) Additional Series. Additional Quarterly Options Series of the same class may be opened for trading on the Exchange when the Exchange deems it necessary to maintain an orderly market, to meet customer demand or when the market price of the underlying security moves substantially from the initial exercise price or prices. To the extent that any additional strike prices are listed by the Exchange, such additional strike prices shall be within thirty percent (30%) above or below the closing price of the underlying ETF (or "Exchange-Traded Fund Shares") as defined in Options 4, Section 3(i) on the preceding day. The Exchange may also open additional strike prices of Quarterly Options Series in ETF options that are more than 30% above or below the current price of the underlying ETF provided that demonstrated customer interest exists for such series, as expressed by institutional, corporate or individual customers or their brokers. Market Makers trading for their own account shall not be considered when determining customer interest under this provision. The opening of new Quarterly Options Series shall not affect the series of options of the same class previously opened.

(e) Strike Interval. The interval between strike prices on Quarterly Options Series shall be the same as the interval for strike prices for series in that same options class that expire in accordance with the normal monthly expiration cycle.

(f)(1) Delisting Policy. With respect to Quarterly Options Series in ETF options added pursuant to the above paragraphs, the Exchange will, on a monthly basis, review series that are outside a range of five (5) strikes above and five (5) strikes below the current price of the underlying ETF, and delist series with no open interest in both the put and the call series having a: (a) strike higher than the highest strike price with open interest in the put and/or call series for a given expiration month; and (b) strike lower than the lowest strike price with open interest in the put and/or call series for a given expiration month.

(2) Notwithstanding the above referenced delisting policy, customer requests to add strikes and/or maintain strikes in Quarterly Options Series in ETF options in series eligible for delisting shall be granted.

(3) In connection with the above referenced delisting policy, if the Exchange identifies series for delisting, the Exchange shall notify other options exchanges

with similar delisting policies regarding eligible series for delisting, and shall work with such other exchanges to develop a uniform list of series to be delisted, so as to ensure uniform series delisting of multiply listed Quarterly Options Series in ETF options.

**.05 \$0.50 Strike Program:** The interval of strike prices of series of options on individual stocks may be \$0.50 or greater beginning at \$0.50 where the strike price is \$5.50 or less, but only for options classes whose underlying security closed at or below \$5.00 in its primary market on the previous trading day and which have national average daily volume that equals or exceeds 1000 contracts per day as determined by The Options Clearing Corporation during the preceding three calendar months. The listing of \$0.50 strike prices shall be limited to options classes overlying no more than 20 individual stocks (the "\$0.50 Strike Program") as specifically designated by the Exchange. The Exchange may list \$0.50 strike prices on any other option classes if those classes are specifically designated by other securities exchanges that employ a similar \$0.50 Strike Program under their respective rules. A stock shall remain in the \$0.50 Strike Program until otherwise designated by the Exchange.

**.06 \$5 Strike Program:** The interval of strike prices may be \$5 or greater where the strike price is more than \$200 in up to five (5) option classes on individual stocks or on any other option classes if those classes are specifically designated by other securities exchanges that employ a similar \$5 Strike Program under their respective rules.

**.07** With respect to listing Short Term Option Series in equity options, excluding Exchange-Traded Fund Shares and ETNs, which have an expiration date more than twenty-one days from the listing date, the following table will apply as noted within Supplementary Material .03(e). The below table indicates the applicable strike intervals and supersedes Supplementary Material .03(d) which permits additional series to be opened for trading on the Exchange when the Exchange deems it necessary to maintain an orderly market, to meet customer demand or when the market price of the underlying security moves substantially from the exercise price or prices of the series already opened.

Tier	Average Daily Volume	Share Price				
		less than \$25	\$25 to less than \$75	\$75 to less than \$150	\$150 to less than \$500	\$500 or greater
1	greater than 5,000	\$0.50	\$1.00	\$1.00	\$5.00	\$5.00
2	1,000 to 5,000	\$1.00	\$1.00	\$1.00	\$5.00	\$10.00
3	0 to 1,000	\$2.50	\$5.00	\$5.00	\$5.00	\$10.00

The Share Price would be the closing price on the primary market on the last day of the calendar quarter.

The Average Daily Volume would be the total number of options contracts traded in a given security for the applicable calendar quarter divided by the number of trading days in the applicable calendar quarter.

Beginning on the second trading day in the first month of each calendar quarter, the Average Daily Volume shall be calculated by utilizing data from the prior calendar quarter based on Customer-cleared volume at The Options Clearing Corporation. For options listed on the first trading day of a given calendar quarter, the Average Daily Volume shall be calculated using the quarter prior to the last trading calendar quarter.

Short Term Options Series that are newly eligible for listing pursuant to Options 4, Section 3 will not be subject to this proposed Supplementary .07 until after the end of the first full calendar quarter following the date the option class was first listed for trading on any options market.

In the event of a corporate action, the Share Price of the surviving company would be utilized.

Notwithstanding the limitations imposed by Supplementary Material .07, this proposal does not amend the range of strikes that may be listed pursuant to Supplementary Material .03, regarding the Short Term Option Series Program.

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