



The option class listed below will begin trading on the MIA X Pearl Exchange at the start of trading on **Tuesday, February 21, 2017.**

| Security Symbol | Security Name                      | Option Class | Price Programs     | Expiration Programs | Penny Pilot | Allocation Style | Billing Style | Exchange for Opening | Closing Time | Cloud |
|-----------------|------------------------------------|--------------|--------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------|
| AA              | ALCOA Corporation                  | AA           | \$1.00             | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 1     |
| AAL             | American Airlines Group Inc.       | AAL          | \$1.00, 100%       | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 1     |
| AAP             | Advance Auto Parts, Inc.           | AAP          | Standard           | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 1     |
| ABT             | Abbott Laboratories                | ABT          | \$1.00, \$2.50     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 1     |
| ALXN            | Alexion Pharmaceuticals, Inc.      | ALXN         | Standard           | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 1     |
| AMD             | Advanced Micro Devices, Inc.       | AMD          | \$1.00, \$1.00 LTO | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 1     |
| APC             | Anadarko Petroleum Corporation     | APC          | \$2.50, 100%       | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 1     |
| AXP             | American Express Company           | AXP          | \$2.50             | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 1     |
| BA              | The Boeing Company                 | BA           | Standard           | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| BAX             | Baxter International Inc.          | BAX          | \$2.50             | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| BBRY            | BlackBerry Limited                 | BBRY         | \$1.00, \$1.00 LTO | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 2     |
| BBY             | Best Buy Co., Inc.                 | BBY          | \$1.00             | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| BHP             | BHP Billiton Limited               | BHP          | \$1.00             | Standard            | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| BUD             | Anheuser-Busch Inbev               | BUD          | Standard           | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| CBI             | Chicago Bridge & Iron Company N.V. | CBI          | \$2.50             | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| CC              | The Chemours Company               | CC           | \$1.00             | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| CEMP            | Cempra, Inc.                       | CEMP         | \$0.50             | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 2     |



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|-----------------|---------------------------------------|--------------|----------------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------|
| CERN            | Cerner Corporation                    | CERN         | \$2.50                     | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 2     |
| CMG             | Chipotle Mexican Grill, Inc.          | CMG          | \$5.00                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| CS              | Credit Suisse Group AG                | CS           | Standard                   | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| CSX             | CSX Corporation                       | CSX          | \$1.00, \$2.50             | Standard            | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 2     |
| CYH             | Community Health Systems, Inc.        | CYH          | \$1.00, \$1.00 LTO         | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 2     |
| DIA             | SPDR Dow Jones Industrial Average ETF | DIA          | Idx Link                   | STO, Quarterly      | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:15         | 3     |
| DISH            | DISH Network Corporation              | DISH         | \$2.50                     | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 3     |
| DVAX            | Dynavax Technologies Corporation      | DVAX         | \$0.50, \$1.00             | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 3     |
| DVN             | Devon Energy Corporation              | DVN          | \$1.00, \$2.50             | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 3     |
| EEM             | iShares MSCI Emerging Markets         | EEM          | Vol Link, Idx Link         | STO, Quarterly      | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:15         | 3     |
| EGO             | Eldorado Gold Corporation             | EGO          | \$0.50, \$1.00             | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 3     |
| EMR             | Emerson Electric Co.                  | EMR          | \$1.00, \$2.50             | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 3     |
| ENDP            | Endo International plc                | ENDP         | Standard                   | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 3     |
| EPD             | Enterprise Products Partners L.P.     | EPD          | \$1.00, \$2.50             | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 3     |
| EWV             | iShares MSCI Mexico Capped            | EWV          | Idx Link                   | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 3     |
| FIT             | Fitbit, Inc.                          | FIT          | \$1.00                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 3     |
| FTR             | Frontier Communications Corporation   | FTR          | \$0.50, \$1.00, \$1.00 LTO | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 3     |



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|-----------------|--|--------------|----------------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------|
| GD              | General Dynamics Corporation           | GD           | Standard                   | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 4     |
| GIS             | General Mills, Inc.                    | GIS          | \$2.50                     | Standard            | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 4     |
| GLD             | SPDR Gold Shares                       | GLD          | Vol Link, Idx Link, 100%   | STO, Quarterly      | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 4     |
| GM              | General Motors Company                 | GM           | \$1.00                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 4     |
| GNC             | GNC Holdings Inc.                      | GNC          | \$2.50                     | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 4     |
| GNW             | Genworth Financial, Inc.               | GNW          | \$0.50, \$1.00, \$1.00 LTO | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 4     |
| GRPN            | Groupon, Inc.                          | GRPN         | \$0.50, \$1.00             | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 4     |
| HAIN            | The Hain Celestial Group, Inc.         | HAIN         | \$1.00                     | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 4     |
| HBAN            | Huntington Bancshares Incorporated     | HBAN         | \$1.00                     | Standard            | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 4     |
| IBB             | iShares Nasdaq Biotechnology           | IBB          | Idx Link                   | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 5     |
| IWM             | iShares Russell 2000                   | IWM          | Idx Link                   | STO, Quarterly      | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:15         | 5     |
| JD              | JD.com, Inc.                           | JD           | \$1.00                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 5     |
| JNUG            | Direxion Daily Jr Gld Mnrs Bull 3x ETF | JNUG         | Idx Link                   | STO                 | No          | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 5     |
| JPM             | JPMorgan Chase & Company               | JPM          | \$2.50                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |
| KSU             | Kansas City Southern                   | KSU          | Standard                   | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |



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| LABU            | Direxion Daily S&P Biotech Bull 3x ETF | LABU         | Idx Link       | Standard            | No          | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 5     |
| LC              | LendingClub Corporation                | LC           | \$0.50, \$1.00 | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |
| LLY             | Eli Lilly and Company                  | LLY          | \$2.50         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |
| LMT             | Lockheed Martin Corporation            | LMT          | \$5.00         | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |
| LRCX            | LAM Research Corporation               | LRCX         | \$2.50         | Standard            | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 5     |
| LULU            | Lululemon Athletica Inc.               | LULU         | \$2.50         | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 5     |
| LYB             | LyondellBasell Industries N.V.         | LYB          | \$2.50         | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 5     |
| MCD             | McDonald's Corporation                 | MCD          | Standard       | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| MDT             | Medtronic plc                          | MDT          | \$2.50         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| MET             | Metlife, Inc.                          | MET          | \$2.50         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| MGM             | MGM Resorts International              | MGM          | \$1.00         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| MMM             | 3M Company                             | MMM          | Standard       | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| MNST            | Monster Beverage Corporation           | MNST         | Standard       | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 6     |
| NOV             | National Oilwell Varco, Inc.           | NOV          | \$1.00         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| NSC             | Norfolk Southern Corporation           | NSC          | \$2.50         | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 6     |
| OPHT            | Ophthotech Corporation                 | OPHT         | Standard       | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 7     |
| OPK             | Opko Health, Inc.                      | OPK          | \$1.00         | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 7     |
| PAA             | Plains All American Pipeline, L.P.     | PAA          | \$1.00         | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 7     |



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|-----------------|------------------------------------|--------------|----------------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------|
| PEP             | Pepsico, Inc.                      | PEP          | \$2.50                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 7     |
| PSX             | Phillips 66                        | PSX          | \$2.50                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 7     |
| QCOM            | Qualcomm Incorporated              | QCOM         | \$1.00, \$2.50             | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 7     |
| QQQ             | Powershares QQQ ETF                | QQQ          | Idx Link                   | STO, Quarterly      | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:15         | 7     |
| RDSA            | Royal Dutch Shell Plc              | RDSA         | \$2.50                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 7     |
| RF              | Regions Financial Corporation      | RF           | \$1.00, \$1.00 LTO         | Standard            | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 7     |
| SBUX            | Starbucks Corporation              | SBUX         | \$1.00, \$2.50             | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 8     |
| SDRL            | SeaDrill Limited                   | SDRL         | \$0.50, \$1.00, \$1.00 LTO | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| SHLD            | Sears Holdings Corporation         | SHLD         | \$1.00, \$1.00 LTO         | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 8     |
| SKX             | Sketchers U.S.A., Inc.             | SKX          | \$1.00                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| SPXS            | Direxion Daily S&P 500 Bear 3x ETF | SPXS         | Idx Link                   | Standard            | No          | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 8     |
| SRPT            | Sarepta Therapeutics, Inc.         | SRPT         | \$1.00, 100%               | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 8     |
| STZ             | Constellation Brands, Inc.         | STZ          | Standard                   | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| SWFT            | Swift Transportation Company       | SWFT         | \$1.00                     | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| SWN             | Southwestern Energy Company        | SWN          | \$1.00                     | Standard            | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| TSL             | Trina Solar Limited                | TSL          | \$1.00                     | Standard            | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| TV              | Grupo Televisa, S.A.B.             | TV           | \$1.00                     | Standard            | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |
| TWLO            | Twilio Inc.                        | TWLO         | \$1.00                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 8     |



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|-----------------|----------------------------------|--------------|----------------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------|
| UA              | Under Armour, Inc.               | UA           | \$2.50                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 9     |
| UNP             | Union Pacific Corporation        | UNP          | \$2.50                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 9     |
| USO             | United States Oil                | USO          | Vol Link, Idx Link         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:00         | 9     |
| VALE            | Vale S.A.                        | VALE         | \$1.00, \$1.00 LTO         | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 9     |
| VIPS            | Vipshop Holdings Limited         | VIPS         | \$1.00                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 9     |
| VMW             | VMware, Inc.                     | VMW          | \$2.50                     | STO                 | No          | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 9     |
| WB              | Weibo Corporation                | WB           | \$1.00                     | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 10    |
| WFM             | Whole Foods Market, Inc.         | WFM          | \$1.00                     | STO                 | Yes         | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 10    |
| WLL             | Whiting Petroleum Corporation    | WLL          | \$0.50, \$1.00, \$1.00 LTO | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE                 | 4:00         | 10    |
| XHB             | SPDR S&P Homebuilders ETF        | XHB          | Idx Link                   | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:15         | 10    |
| XLU             | Utilities Select Sector SPDR ETF | XLU          | Idx Link                   | STO                 | Yes         | Price-Time       | Maker-Taker   | NYSE<br>ARCA         | 4:15         | 10    |
| Z               | Zillow Group, Inc.               | Z            | Standard                   | STO                 | No          | Price-Time       | Maker-Taker   | NASDAQ               | 4:00         | 11    |

Please contact MIAX Listings with any questions.

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