



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Monday, December 16th, 2013.**

| Security Symbol | Security Name                    | Option Class | Price Programs | Expiration Programs | Penny Pilot | Allocation Style | Billing Style | Exchange for Opening | Closing Time | PLMM                         | Cloud |
|-----------------|----------------------------------|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| AAL             | AMERICAN AIRLINES GROUP, INC.    | AAL          | Standard       | STO                 | Yes         | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 1     |
| ABC             | AMERISOURCEBERG EN CORPORATION   | ABC          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 1     |
| ACE             | ACE LIMITED                      | ACE          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 1     |
| ADP             | AUTOMATIC DATA PROCESSING, INC.  | ADP          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC      | 1     |
| AFSI            | AMTRUST FINANCIAL SERVICES, INC. | AFSI         | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 1     |
| ALK             | ALASKA AIR GROUP, INC.           | ALK          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 1     |
| AMBC            | AMBAC FINANCIAL GROUP, INC.      | AMBC         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 1     |
| AMPE            | AMPIO PHARMACEUTICALS, INC.      | AMPE         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE MKT             | 4:00         | Wolverine Trading, LLC       | 1     |



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|-----------------|--------------------------------|--------------|----------------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| APL             | ATLAS PIPELINE PARTNERS, L.P.  | APL          | \$1.00, Vol Link           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 1     |
| ARR             | ARMOUR RESIDENTIAL REIT, INC.  | ARR          | \$1.00                     | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 1     |
| ATML            | ATMEL CORPORATION              | ATML         | \$1.00                     | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Wolverine Trading, LLC       | 1     |
| AUXL            | AUXILIUM PHARMACEUTICALS INC.  | AUXL         | Standard                   | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Timber Hill, LLC             | 1     |
| AVGO            | AVAGO TECHNOLOGIES LIMITED     | AVGO         | \$2.50                     | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 1     |
| BBEP            | BREITBURN ENERGY PARTNERS L.P. | BBEP         | Standard                   | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Wolverine Trading, LLC       | 2     |
| BCRX            | BIOCRYST PHARMACEUTICALS, INC. | BCRX         | \$1.00                     | Standard            | Yes         | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 2     |
| BIOD            | BIODEL INC.                    | BIOD         | \$0.50, \$1.00, \$1.00 LTO | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 2     |
| BLK             | BLACKROCK, INC.                | BLK          | Standard                   | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Morgan Stanley               | 2     |
| BOFI            | BOFI HOLDING, INC.             | BOFI         | Standard                   | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 2     |



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|-----------------|--|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------------------------|-------|
| BRY             | BERRY PETROLEUM CO.                    | BRY          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.   | 2     |
| BTH             | BLYTH, INC.                            | BTH          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC  | 2     |
| BUD             | ANHEUSER-BUSCH INBEV SA/NV             | BUD          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.   | 2     |
| CAB             | CABELA'S INCORPORATED                  | CAB          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs           | 3     |
| CALL            | MAGICJACK VOCALTEC LTD.                | CALL         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Wolverine Trading, LLC  | 3     |
| CAVM            | CAVIUM, INC.                           | CAVM         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs           | 3     |
| CB              | THE CHUBB CORPORATION                  | CB           | Standard       | Standard            | Yes         | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC | 3     |
| CFN             | CAREFUSION CORPORATION                 | CFN          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC | 3     |
| CLMT            | CALUMET SPECIALTY PRODUCTS PARTNERS LP | CLMT         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC | 3     |



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|-----------------|--------------------------------|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| CNW             | CON-WAY INC.                   | CNW          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 3     |
| COV             | COVIDIEN PLC                   | COV          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 3     |
| CPN             | CALPINE CORP.                  | CPN          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 3     |
| CQP             | CHENIERE ENERGY PARTNERS LP.   | CQP          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE MKT             | 4:00         | Susquehanna Securities       | 3     |
| CRR             | CARBO CERAMICS INC.            | CRR          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities       | 3     |
| CVLT            | COMMVault SYSTEMS, INC.        | CVLT         | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 3     |
| CVRR            | CVR REFINING, LP               | CVRR         | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities       | 3     |
| CYH             | COMMUNITY HEALTH SYSTEMS, INC. | CYH          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Morgan Stanley               | 3     |
| DF              | DEAN FOODS CO. (NEW)           | DF           | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 4     |



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|-----------------|---|--------------|------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|---|-------|
| DVY             | ISHARES SELECT DIVIDEND                 | DVY          | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Wolverine Trading, LLC                    | 4     |
| DWA             | DREAMWORKS ANIMATION SKG INC.           | DWA          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                             | 4     |
| DXD             | PROSHARES ULTRASHORT DOW30              | DXD          | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Wolverine Trading, LLC                    | 4     |
| ED              | CONSOLIDATED EDISON INC.                | ED           | \$2.50           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC              | 5     |
| EDZ             | DIREXION DAILY EMRG MKTS BEAR 3X SHARES | EDZ          | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Morgan Stanley                            | 5     |
| ENDP            | ENDO HEALTH SOLUTIONS INC.              | ENDP         | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Barclays Capital Inc.                     | 5     |
| ESI             | ITT EDUCATIONAL SERVICES INC.           | ESI          | Standard         | Standard            | Yes         | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities                    | 5     |
| ETR             | ENERGY CORPORATION                      | ETR          | \$2.50           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                             | 5     |
| EXAS            | EXACT SCIENCES CORP.                    | EXAS         | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Merrill Lynch Professional Clearing Corp. | 5     |



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|-----------------|-------------------------------|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------------------------|-------|
| EXK             | ENDEAVOUR SILVER CORP.        | EXK          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC  | 5     |
| EXP             | EAGLE MATERIALS INC.          | EXP          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs           | 5     |
| EZCH            | EZCHIP SEMICONDUCTOR LTD.     | EZCH         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities  | 5     |
| FLT             | FLEETCOR TECHNOLOGIES, INC.   | FLT          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Morgan Stanley          | 6     |
| FNV             | FRANCO-NEVADA CORPORATION     | FNV          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC | 6     |
| FSL             | FREESCALE SEMICONDUCTOR, LTD. | FSL          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC | 6     |
| FU              | FAB UNIVERSAL CORPORATION     | FU           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE MKT             | 4:00         | Susquehanna Securities  | 6     |
| GLNG            | GOLAR LNG LTD.                | GLNG         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities  | 7     |
| GNC             | GNC HOLDINGS INC              | GNC          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC  | 7     |
| HCN             | HEALTH CARE REIT, INC.        | HCN          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Timber Hill, LLC        | 8     |



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|-----------------|-----------------------------------|--------------|--------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| HCP             | HCP, INC.                         | HCP          | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC      | 8     |
| HERO            | HERCULES OFFSHORE, INC.           | HERO         | \$1.00, \$1.00 LTO | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Knight Capital Americas, LLC | 8     |
| HNR             | HARVEST NATURAL RESOURCES INC.    | HNR          | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 8     |
| HSY             | THE HERSHEY COMPANY               | HSY          | Standard           | Standard            | Yes         | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 8     |
| IAU             | ISHARES GOLD TRUST                | IAU          | Idx Link, \$5.00   | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Timber Hill, LLC             | 9     |
| ICE             | INTERCONTINENTAL EXCHANGE, INC.   | ICE          | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 9     |
| IMAX            | IMAX CORPORATION                  | IMAX         | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 9     |
| IMGN            | IMMUNOGEN, INC.                   | IMGN         | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC      | 9     |
| IMUC            | IMMUNOCELLULAR THERAPEUTICS, LTD. | IMUC         | \$0.50             | Standard            | No          | Pro-Rata         | Conventional  | NYSE MKT             | 4:00         | Citadel Securities, LLC      | 9     |



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|-----------------|---|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| IRBT            | IROBOT CORPORATION                          | IRBT         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Knight Capital Americas, LLC | 9     |
| IRWD            | IRONWOOD PHARMACEUTICALS, INC.              | IRWD         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC      | 9     |
| ITMN            | INTERMUNE INC.                              | ITMN         | \$1.00         | Standard            | Yes         | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 9     |
| IVR             | INVESCO MORTGAGE CAPITAL INC.               | IVR          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 9     |
| IVZ             | INVESCO LTD.                                | IVZ          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 9     |
| JAZZ            | JAZZ PHARMACEUTICALS PUBLIC LIMITED COMPANY | JAZZ         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 10    |
| JE              | JUST ENERGY GROUP INC.                      | JE           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 10    |
| KBR             | KBR, INC.                                   | KBR          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 10    |
| LEA             | LEAR CORP.                                  | LEA          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 11    |





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|-----------------|---------------------------------|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| LSI             | LSI CORPORATION                 | LSI          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Knight Capital Americas, LLC | 11    |
| LUK             | LEUCADIA NATIONAL CORPORATION   | LUK          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC      | 11    |
| MCO             | MOODY'S CORPORATION             | MCO          | \$2.50         | STO                 | Yes         | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC      | 12    |
| MD              | MEDNAX, INC.                    | MD           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 12    |
| MHK             | MOHAWK INDUSTRIES INC.          | MHK          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 12    |
| MM              | MILLENNIAL MEDIA INC.           | MM           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 12    |
| MTDR            | MATADOR RESOURCES COMPANY       | MTDR         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC      | 12    |
| MTL             | MECHEL OAO                      | MTL          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 12    |
| NAT             | NORDIC AMERICAN TANKERS LIMITED | NAT          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 13    |



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|-----------------|---------------------------------|--------------|----------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| NBIX            | NEUROCRINE BIOSCIENCES INC.     | NBIX         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 13    |
| NLNK            | NEWLINK GENETICS CORPORATION    | NLNK         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 13    |
| NM              | NAVIOS MARITIME HOLDINGS INC.   | NM           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Morgan Stanley               | 13    |
| NOAH            | NOAH HOLDINGS LIMITED           | NOAH         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 13    |
| NRF             | NORTHSTAR REALTY FINANCE CORP.  | NRF          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 13    |
| NS              | NUSTAR ENERGY L.P.              | NS           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Timber Hill, LLC             | 13    |
| NVS             | ALCON INC (MERGER)              | NVS          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 13    |
| NYCB            | NEW YORK COMMUNITY BANCORP INC. | NYCB         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 13    |
| O               | REALTY INCOME CORP.             | O            | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 14    |



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| OLN             | OLIN CORP.                  | OLN          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 14    |
| OMER            | OMEROS CORPORATION          | OMER         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 14    |
| OREX            | OREXIGEN THERAPEUTICS, INC. | OREX         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Wolverine Trading, LLC       | 14    |
| OSIR            | OSIRIS THERAPEUTICS, INC.   | OSIR         | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 14    |
| OSTK            | OVERSTOCK.COM INC.          | OSTK         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 14    |
| OTEX            | OPEN TEXT CORPORATION       | OTEX         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 14    |
| PCL             | PLUM CREEK TIMBER CO. INC.  | PCL          | \$1.00         | Standard            | Yes         | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 14    |
| PENN            | PENN NATIONAL GAMING INC.   | PENN         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 14    |
| PH              | PARKER-HANNIFIN CORPORATION | PH           | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 14    |
| PLCE            | THE CHILDREN                | PLCE         | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 14    |



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| PMT             | PENNYMAC MORTGAGE INVESTMENT TRUST | PMT          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC      | 14    |
| PRGO            | PERRIGO COMPANY                    | PRGO         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities       | 14    |
| PVG             | PRETIUM RESOURCES INC.             | PVG          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities       | 14    |
| PVH             | PVH CORP.                          | PVH          | \$2.50         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 14    |
| PWR             | QUANTA SERVICES, INC.              | PWR          | \$1.00         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 14    |
| RAI             | REYNOLDS AMERICAN INC.             | RAI          | \$1.00, \$2.50 | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 15    |
| SAM             | BOSTON BEER CO. INC.               | SAM          | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Susquehanna Securities       | 16    |
| SBAC            | SBA COMMUNICATIONS CORP.           | SBAC         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Barclays Capital Inc.        | 16    |
| SBGI            | SINCLAIR BROADCAST GROUP INC.      | SBGI         | Standard       | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC      | 16    |



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|-----------------|--------------------------------------|--------------|------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| SFI             | ISTAR FINANCIAL INC.                 | SFI          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 16    |
| SGEN            | SEATTLE GENETICS INC.                | SGEN         | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Wolverine Trading, LLC       | 16    |
| SHPG            | SHIRE PLC                            | SHPG         | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities       | 16    |
| SKX             | SKECHERS USA INC.                    | SKX          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Timber Hill, LLC             | 16    |
| SM              | SM ENERGY COMPANY                    | SM           | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 16    |
| SN              | SANCHEZ ENERGY CORPORATION           | SN           | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 16    |
| SPXL            | DIREXION DAILY S&P500 BULL 3X SHARES | SPXL         | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Wolverine Trading, LLC       | 16    |
| SPXS            | DIREXION DAILY S&P500 BEAR 3X SHARES | SPXS         | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Wolverine Trading, LLC       | 16    |
| STLD            | STEEL DYNAMICS INC.                  | STLD         | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Knight Capital Americas, LLC | 16    |



| Security Symbol | Security Name                           | Option Class | Price Programs     | Expiration Programs | Penny Pilot | Allocation Style | Billing Style | Exchange for Opening | Closing Time | PLMM                    | Cloud |
|-----------------|---|--------------|--------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-------------------------|-------|
| SWIR            | SIERRA WIRELESS INC.                    | SWIR         | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities  | 16    |
| SZYM            | SOLAZYME, INC.                          | SZYM         | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Citadel Securities, LLC | 16    |
| TEF             | TELEF                                   | TEF          | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC  | 17    |
| THC             | TENET HEALTHCARE CORP.                  | THC          | \$1.00, \$1.00 LTO | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs           | 17    |
| THRX            | THERAVANCE INC.                         | THRX         | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Susquehanna Securities  | 17    |
| TMV             | DIREXION DAILY 20+ YR TRSY BEAR 3X SHRS | TMV          | Idx Link, \$5.00   | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Wolverine Trading, LLC  | 17    |
| TPLM            | TRIANGLE PETROLEUM CORPORATION          | TPLM         | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NYSE MKT             | 4:00         | Wolverine Trading, LLC  | 17    |
| TROX            | TRONOX LIMITED                          | TROX         | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC  | 17    |
| TRQ             | TURQUOISE HILL RESOURCES LTD.           | TRQ          | \$1.00             | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Citadel Securities, LLC | 17    |
| TRW             | TRW AUTOMOTIVE HOLDINGS CORP.           | TRW          | Standard           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs           | 17    |



| Security Symbol | Security Name                                      | Option Class | Price Programs   | Expiration Programs | Penny Pilot | Allocation Style | Billing Style | Exchange for Opening | Closing Time | PLMM                         | Cloud |
|-----------------|--|--------------|------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|------------------------------|-------|
| TSCO            | TRACTOR SUPPLY COMPANY                             | TSCO         | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 17    |
| TSM             | TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LIMITED | TSM          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Wolverine Trading, LLC       | 17    |
| TTM             | TATA MOTORS LIMITED                                | TTM          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Timber Hill, LLC             | 17    |
| UBS             | UBS AG   | UBS          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Knight Capital Americas, LLC | 18    |
| UIS             | UNISYS CORPORATION                                 | UIS          | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs                | 18    |
| VCLK            | VALUECLICK, INC.                                   | VCLK         | \$1.00           | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Goldman Sachs                | 19    |
| VIXY            | PROSHARES VIX SHORT-TERM FUTURES ETF               | VIXY         | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:15         | Wolverine Trading, LLC       | 19    |
| VRA             | VERA BRADLEY, INC.                                 | VRA          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley               | 19    |
| WCG             | WELLCARE HEALTH PLANS, INC.                        | WCG          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 19    |
| WLK             | WESTLAKE CHEMICAL CORP.                            | WLK          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc.        | 19    |



| Security Symbol | Security Name            | Option Class | Price Programs   | Expiration Programs | Penny Pilot | Allocation Style | Billing Style | Exchange for Opening | Closing Time | PLMM                  | Cloud |
|-----------------|--------------------------|--------------|------------------|---------------------|-------------|------------------|---------------|----------------------|--------------|-----------------------|-------|
| XEC             | CIMAREX ENERGY CO.       | XEC          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Barclays Capital Inc. | 20    |
| YCS             | PROSHARES ULTRASHORT YEN | YCS          | Idx Link, \$5.00 | Standard            | No          | Pro-Rata         | Conventional  | NYSEARCA             | 4:00         | Barclays Capital Inc. | 20    |
| YY              | YY INC.                  | YY           | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NASDAQ               | 4:00         | Morgan Stanley        | 20    |
| ZMH             | ZIMMER HOLDINGS, INC.    | ZMH          | Standard         | Standard            | No          | Pro-Rata         | Conventional  | NYSE                 | 4:00         | Goldman Sachs         | 21    |

Please contact MIAX Options Listings with any questions.

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