

"#\$!%#&'#(!)*+(!,-*.#&'*+(! /001*23+*4-!54&!63773+*231!8#3.#! 9:311!;<;=>!60&*-?!;<;@>!4&!/A!;<;=B;<;@C!

" 3D#!EEEEEEEEEEEEEEEEEEEE!F#03&+D#-+EEEEEEEEEEEEEEEEEEEEEEEEEEEEE

F3+#!45!G-*+*31! / 004*-+D#-+!EEEEEEEF3+#!54&!H&#.*4I'!63773+*231!8#3.#!9*5!3-(C!EEEEEEEEE!

8#3.#!/001*#J!54&K!

: I11!A#3&!9 / A!;<;=B;<;@C!EEEEEEEEEEEEEEE!

L315!A#3&K!!: 311!6#D#'+#&!EEEE!! 4&! 60&*-?!6#D#'+#&!EEEE!

 $\label{eq:QM3+!*'!+M#!OI&O4'#!45!+M*'!1#3.#0!6##!+M#!2&*+#&*3!7#14\$!54&!#.31I3+*4-!45!+M#!'3773+*231!\\ 3001*23+*4-!3-J!'I7D*+!3!; @<B@<<B$4&J!J#'2&*O+*4-!45!(4I&!0&4N#2+P!!G-21IJ#!3-(!300&40&*3+#!'I004&**-?!D3+#&*31')!54&!#R3D01#K! \\ (1004&**-?!D3+#&*31')!54&!#R3D01#K! \\ (1004&**-?!D3+#&**31')!54&!#R3D01#K! \\ (1004&**-?!D3+#&**31')!54&!#K! \\ (1004&**-?!D3+#&**31')!54&!#K! \\ (1004&**-?!D3+#&**31')!54&!#K! \\ (1004&**-?!A**31')!54&!#K! \\ (1004&**-?!A**31')!54&!#K! \\ (1004&**-?!A**31')!54&!#K! \\ (1004&**-?!A**31')!54&!**31')!54&!**31' \\ (1004&**-?!A**31')!54&!**31' \\ (1004&**-?!A**31')!54&!**31'$

SP! / OO1*23+*4-!54&!J#?&##!24DO1#+*4-K! 3P!, OJ3+#J!+&3-'2&*O+! 7P!6IOO4&+-?!1#++#&!5&4D!3J.*'4&! 2P!F#'2&*O+*4-!45!24I&'#'!+4!7#!+3T#->!*-21IJ*-?!'#D#'+#&'!JI&*-?!\$M*2M!+M#(!\$*11! 7#!+3T#->!J3+#'!54&!UI31*5(*-?!#R3D'>!4&31!#R3D'!+M#'*'!J#5#-'#>!#+2P!

- ; P! / 001*23+*4-!54&!01&04'#!45!*-*+*3+*-?!3-JV4&!24D01#+*-?!0171*23+*4-'K! 3P!WI+1*-#!45!0&4N#2+>!0&# .*4I'!\$4&T!24D01#+#J>!3-J!\$4&T!J4-#!4-!0&#'#-+!0&4N#2+! 7P!X#2#-+!24-+&32+>!*5!3-(!
- YP! / OO1*23+*4-'!54&!OI&O4'#!45!+&3.#IK! 3P! / !J#+3*1#J!*+*-#&3&(! 7P! / -(!#.3-+!24&&#'O4-J#-2#!

=P! / OO1*23+*4-'!54&!4+M#&!OI&O4'#!'M4I1J!*-21IJ#!3OO&4O&*3+#!D3+#&*31'P!

