

! "#\$%&'()\$(!\*+, -)\$!. #/-0\$)\$, -1(&23!4\$2#\$\$-5)!  
! 65/5%5#\$\$! 7#0! +, -)\$! 877)50%! )\$2! 9): ! #7! (; -!

"#\$%&'()\$(49-/-'!H!  
I\$?'5%;!  
8&?&%(!JKJJ!

L)0!(5E-!70#E!8&?&%(!JKJJ!(#M)\$&)03!JKJN!  
!  
=1!0!PP<QKK!@R)52!5\$!( : #!5\$%()'E-\$(%!&R#\$( ; -!65/5%5#\$\$S%!  
, #5750E)(5#\$!#7!, #ER'-(5#\$!#7!-), ; !R; )%-C!  
!

T; -!L0#?0)EE-%!#7!8%5%()\$, -!(#U--(!; -!1(0)(-?5,!"R), 5(3!>--2%!#7!6-/-'R5\$?!1()(-%5\$!(; -!V5-'2!  
#7!+, -)\$!. #/-0\$)\$, -!)\$2!(; -!9): !#7!(; -!1-)!5%!R0#W-, 5%! "##R-0)(5#\$!@>#0)2CX!T; -!R0#W-, (!R0#/52-%!&RR#0(!#12-/-

6-/-'R5\$?!1()(-%!@1461C45\$!F&5'25\$?!%&%()5\$)F'-!#, -)\$\*F)%-2!-, #\$\$E5-%!(; 0#&?; !)220-%5\$?! , 05(5, )'  
, )R), 5(3!F)005-0%!)(!(-!0-?5#\$\$)!)\$2!\$)(5#\$)'!-/-'45\$, '&25\$?!: 5(; !0-%R-, (!#(!; -!5ER'-E-\$() (5#\$!#7!  
(; -!PYZJ!=\$5(-2!>)(5#\$!"#\$/-\$ (5#\$!#\$(; -!9): !#7!(; -!1-)!@A=>"9+1BC!)\$2!0-')(-2!70)E-: #0G%!!!

! T; -!L0#?0)EE-!#7!8%5%()\$, -!5%! , #ER#%-2! #7! (; 0--!E)W#0!%-05-%! #7! , (5/5(5-%!@PC!T; -!, #52&, (!#7!  
)\$)'3%-%! #7! \$)(5#\$)! 70)E-: #0G%! 7#0! #, -)\$! ?#/-0\$)\$, -! 5\$! %-'-, (-2! F-\$-75, 5)03! 1()(-%! @+, -)\$!  
. #/-0\$)\$, -!1(&25-%!@JC!T; -!2-%5?5!)\$2!2-'5/-03!#7!\$--2\*F)%-2!, )R), 5(3\*F&5'25\$?!(0)55\$?! , #&0%-!  
)\$2! @NC!]"#\$%&'() (5#\$! : 5(; ! 0-'-/)\$(! 0-?5#\$\$)! 5\$(-0?#/-0\$E-\$()!' #0?)\$5^)(5#\$! : 5(; ! )! /5-: ! (#!  
52-\$ (5735\$?! , )R), 5(3\*F&5'25\$?!), (5/5(5-%! (; )(!: #&'2!0-5\$7#0, -!\$)(5#\$)!)\$2!0-?5#\$\$)'!#, -)\$! ?#/-0\$)\$, -!  
R0#?0)EE-%!#7!: #0G%!!!!

! T; -!+, -)\$!. #/-0\$)\$, -!1(&25-%! : 5'!', #5%5%(!#7!)!\$)(5#\$)'\*-/-'15\$/-\$(#03!)\$2!)\$'3%-%! #7!'-?)!)\$2!  
55\$5(&5#\$)'! 70)E-: #0G%! 7#0! #, -)\$! ?#/-0\$)\$, -! 5\$! (; -! %-'-, (-2! F-\$-75, 5)03! 1()(-%! T; -! +, -)\$!  
. #/-0\$)\$, -! 1(&25-%! )0-!5\$(-\$2-2! (#!@PC! L0#/52-!)! ; 5?; \*-/-'! #/-0/5-: ! #7! (; -! 1()(-%!' -?)!)\$2!  
55\$5(&5#\$)'!70)E-: #0G!7#0!#, -)\$%!@JC!I \$; )\$, -!(; -!): )0-\$-%!#7!(; -!F-\$-75, 5)03!1()(-!0-?)025\$?!(; -50!  
#/-0)'!'-?)!)\$2!55\$5(&5#\$)'!70)E-: #0G!7#0!#, -)\$%45\$, '&25\$?!R#(-\$(5)'!5\$G)?-%4#/-0')R%!)\$2!?)R%!  
@NC!"#ER)0-!(; -!\$)(5#\$)'!'-?)!)\$2!55\$5(&5#\$)'!70)E-: #0G!(#!, #0-!0- \_&50-E-\$(%!&\$2-0! =>"9+1!)\$2!  
5(%!5ER'-E-\$ (5\$?!#0!0-')(-2!)RR'5, )F'-!5\$(-0\$)(5#\$)'!5\$(0&E-\$(%!@ C!8%5%(1F-\$-75, 5)03!1()(-%!5\$!(; -!  
52-\$ (575, ) (5#\$! )\$2! R05#05(5%) (5#\$! #7! , )R), 5(3! ?)R%! 5\$! (; -! 2-/-'#RE-\$(! )\$2! 5ER'-E-\$() (5#\$! #7!  
70)E-: #0G%! 7#0! #, -)\$%! )\$2! @C! L0#/52-!)! G\$#: '-2?-!F)%-! #7! (; -! \$)(5#\$)'!'-?)!)\$2!55\$5(&5#\$)'!  
70)E-: #0G%! 7#0! #, -)\$%! !4\$!)225(5#\$4(; -!+, -)\$!. #/-0\$)\$, -!1(&25-%! : 5'!' ; -R!5\$!(; -!52-\$ (575, ) (5#\$! #7!



L)3E-\$(!5%!2&-!&R#\$, #ER'-(5# \$#7!R; )%-!P!@%&FE5%5# \$!#7!20)7(!#&(R&(%!7#0!0-/5-: !F3!(; -!65/5%5# \$C!  
)\$2!R; )%-!J!@%&FE5%5# \$!#7!75\$)!#&(R&(%CX!

!

e! [!6-E#\$(0)(-2!)\$)'3(5,)!\$2!-/)'&)(5/-!%G5''%!(#1, # \$2&, (!5\$2-R-\$2-\$(!0-- )0, ; !)\$2!  
)\$)'3%5%<15\$, '&25\$?!7)E5'5)05(3!: 5(; !)\$2!-cR-05-\$, -!5\$!(; -!&%-!#7!/ )05#&%!0-- )0, ; !%#&0, -%<15\$, '&25\$?!  
-'-, (0#\$5, ! %#&0, -%# \$! ( ; -! 5\$(-0\$-(4 )\$2! #(; -0! 2)()F)%-%X! "#ER-(-\$, -! 5\$! 2)()! )\$)'3%5%! )\$2! )!