

!"#\$%&'
(((((((((((

!) *#\$%+, %- +. !\$. !/

C

!"#\$%&'()*+,%&#-./'0#1('2)3('#
42530+67()#8"#.!'0#1('2)3('#
42530+67()#\$"9:; /&/'7)+,%&#
9Ω#7%#9; (&: #<+72)+#1('2)3('#>+?#7%#95%-'0#@/&/'A#8%+): #
B"#@/&/'A#8%+): C#82)(+2#%-#01(6(+=(: E#
F"#G?&'()0/6#+&: #H(* (%6; (&7#%-#@/&/'A)+#1('2)3('#
FI9"\$%&'7)%#%-#70(#H/+; %&: #J&: 2'7)K##
L"#1(6(+=()'##

C %- +. /\$01)!"+. %+, %2"#3#", \$%) . 3% "/4%0\$/+50-\$/

\$6789:;<% 98=>%\$0+67()#M#7%#\$0+67()#N0#+&: #42530+67()#9#%-#\$0+67()#! #?() (#(6(+=(: #5K#=(A/'=+, * (#
937#\$)(+, &A#70(#. %)('7)K#H(* (%6; (&7#9270%)7K#0. H9E"#

/?@ABCD8=:%*E% 7<B%0=<9?:A=<%

P#QR"#>/3(&' ('#-%)#3+67+/&' #%)#%?&'()'#%-#S'0/6A#7)+?=()'#%)# 6%)7' #S'0(); (&"#

P#QM"#1(A/'7)+, %&#%-#5%+7' #-%)#S'0/6A"#

P#QT"#>/3(&' (#6=+7(' #-%)#5%+7' #-%)#S'0/6A"#

P#QN"#U(+)#%&#S'0/6A#5%+7' "

P#Q!"#V' (#%-#; K&+; /7(" #

P#QB"#W=+3/6A#0+); -2=# 25'7+&3(' #/6#7)(+; ' "#

P#QF"#<(7' #+&: # (/6(' "#

P#QL"#)\$)+5' #+&: #-%5'7(' #-%2&: #?/70#(AA' "#

P#QX"#W() %&& (#%-#82)(+2#%-#.'0()/(' #%&#S'0/6A#5%+7' "#

P#QQ"#Y%&'(#%-#S'0/6A#)+(+)' #

P#MRR"#1(6%)7' #5K#/3(&' (: #S'0()); (&"#

P#MRM"#W(&+7K#-%)#*/%+; %&' "#

/?@ABCD8=:%-E%) 6F7G7<8:CH9G%

P#MRB"#12=('#+&: #)(A2=+, %&' "#

B , "/4%0\$/+50-\$/

I%JKE#7A=G<=<%L9:%ACD8C7G<%0:%0MG=:<%9L#N<B7G0#8:CMF=:<%0:%<D9:8<%N<B=: F =GE%

_0(#82)(+2%-#. /' 0()/' #; +K#6)%0/5/7#S' O/ &A#&#++&K#++)(+?#?/70#++&K#7K6(#%-#S' O/ &A#A(+)?0/30#7#S&: '# 0+); -2=#7%#70(#S' O#)(' %2)3(' #%-#70+7#++)(+' #

I%JSE%5<=%9L%6TGCF78=E%

M"J7# 0+=#5(#2&#=?-2=#%)#++&K#6()'%&0#3%; 6+&K0#%)#3%)6%)+, %%#: K&+; /7(#&#++&K#?+7()'#%-#>/5() /+0# -)(' O#%)#; +)/&(0#+' #++#; (+&' #%-#C/=!&A#S' O0#(b3(67#-%)# 3/(&, S3#&*(' , A+, %&#: 2=K#+270%) /' (: #5K#70(# @/!&' 7)K#%-#9A)/32=72)(#%)#5K# 6(3/+=#6()); /7#A)+&7(: #5K#70(#@/!&' 7)K#%-#9A)/32=72)(#%)#++&#%a3/+=#' #% : (' /A&+7(: #5K#0/; "%.#)%70(#; 6=(; (&7+, %&#%-#70(#%5d(3, *(#%-#70/ #' (3, %&0#: 2=K#+66%/&7(: #+&: # +270%) /' (: #%a3/+=#' #%-#70(#82)(+2%-#. /' 0()/' # 0+=#0+*(#70(#)A07#7%#&Z2/) (#/7%#70(#; (+&' #%-# 3+672)(#%-#++&K#Z2+&, 7K#%-#S' O0#%-#++&K#6()'%&#%)#6()'%&' #(&A+A(: #&#S' O/ &A0#++&: 0#26%&#) (' +'%&+5=(# A)%2&: '#-%)#' 2' 6/31%&0#0+*(#70(: #6)%' (327(: #&#++&K#3%2)7#%-#3%; 6(7(&7#d2) /' : /3, %&#/#F(#1(625=3" #

T"#9=#6()'%&' #; 6%), &A#: K&+; /7(#' 0+=#S=(#++)(3=+), %&#/#F(#%a3(#%-#70(#\$%=(37%)#%-#\$2' 7%; '# +\()#70(#+)) /' *+=#%# 230#: K&+; /7(#%&: 0# 7+, &A#70+7#70(#: K&+; /7(#' #/7(&(: #-%)#%#; (#' 6(3/+=# 62)6%' (0#?0/30# 0+=#5(#' 6(3/S(: 0#++&: #+6#)%#; /' (##7#%2' (#70(#: K&+; /7(#-%)#++&K#%70()#62)6%' ("9&K# 6()'%&#* /%#+, &A#70(#6)%*' /' /%&' #%-#6+)+A)+60#T#%-#70/ #' (3, %&# 0+=#%-) - (/7#=#70(#: K&+; /7(#; 6%)7(: "

I%JUE%P/CA7G0#BC: FL?P%?@<8CGA=<%G%8:=CF<E%

M"J7# 0+=#5(#2&#=?-2=#%)#++&K#6()'%%#627#/#7%#++&K#%-#70(#3)((c' 0# '?+; 6' 0#) /' (*' 0# 7) (+; '#%)#%70()# ?+7()'#%-#70(#1(625=3#+&K#6% /' %&%2' #5+)c' 0#=(+' (0# 0)25' 0#)%%7' 0#)%#70()#6% /' %&%2' # 25' 7+&3(#-%)# 70(#62)6%' (#%-#:(' 7)%K/ &A#%)#3+730/ &A#S' O"#

T"#<%#6()'%&# 0+=#+=%?' #+? : 2' 70#; /=#?+' 7(#%)#%70()#; +7() /+=#70+7# /' #0+); -2=#7%#S' O#7%#(&7()#++&K# 7) (+; #%)#?+7()?' +K#/#>/5() /+ "

I%JWE% =8%CG6%<=7G=<E%

.%)#70(#62)6%' (#%-#; +/ &7+ / & / & A#++' 2' 7+ / & (: #K/ (= #%-#70(#S' O)K#%)+?=#&(7' #?/70#3%: #(&: ' 0# ; +=) # 70+F) (#/ & 30#; (' 0# 0+=#5(#2' (: #-%)#S' O/ &A#/#>/5() /+&#?+7()'"#<%#5(+30# (/ & (' #?/70#3%: #(&: '#=(' # 70+?%#++&: #%&(10+=#/ & 30(' # 0+=#5(#2' (: #-%)#S' O/ &A#527#70(#?/ &A' #%-#5(+30# (/ & (' #; +K#5(#7?%#++&: # %&(10+=#70) ((0#)%#-%2)#/ & 30(' #+33%): / &A#7%#70(#(=(3, %&#%-#70(#S' O); +&"#.#)%#70(#3%&* (&/ & 3(#%-# S' O); (&#++#; (' 0#; (+ 2); (&7' # 0+=#5(#e' 7)(730(: #; (' 0.e

I%JXE% :C@<%CG6%9@<8=:<%L9?G6%M78B%=00<E%

_%#(&' 2)(#70(#6)%6+A+, %&#%-#70(#' 6(3/(' 0#+=#S' O); (&#S' O/ &A#/#>/5() /+&#?+7()'#' 0+=#) (=+' (#3)+5' # +&: #-%5' 7)' #3+2A07#++&: #-%2&: #?/70#(AA' "

I%JYE%W=:<9GG=%9L%*?:=C?%9L% 7<B=:7=<%9G%N<B7G0%9C8<E%

.%)#70(#62)6%' (#%-#3%=(3, &A#%: : #' +; 6=(' #+&: #%70()# : +7+#-%)#(3%): '#%-#70(#@/!&' 7)K#%-#9A)/32=72)(0# 70(#82)(+2%-#. /' 0()/' #; +K#6=+3(#++&K#%-#7' #6()'%&#&#(=#%#++&K#S' O/ &A#5%+7"

I%JJE%Z9G=<%9L%N<B7G0%#C=C<E%

M"#_0(#@/!&'7)K#%-#9A)/32=72)(#' #0() (5K#+270%)I` (: #+&: #(: 6%?() (: #7%#: !*/: (#70(#S' O/&A#+) (+' #%-#>/5() /+##&7%# %& (' 0#+&: #' 0+=#7+c(#+=#+3, %&#&(3(' '+)K#+&: #3%&' !'7(&7#?/70#70(#%5d(3, * (' #%-#70/' #' 2530+67()#7%#6)%7(37#+&: #6)(')*(#70('# 6(3/(' #-)%; # (b7()); /&+, %&0#+&: #; +K# (7#+ ' !: (#+&K#+) (+#%)#`%&(#-%)#' 6(3/+=#7K6(#%-#S' O/&A#%)#-%)#(b6()) /; (&7+=#62)6%' ('"#

T"#_0(#@/!&'7)K#%-#9A)/32=72)(#' #0() (5K#+270%)I` (: #+&: #(: 6%?() (: #7%#3-%' (#+&K#+) (+#%)# %&(#-%2&: #7%#5(#5) (: /&A#A)%2&: #-%)# ' 0) /; 6' #%)# +&K#; +) /& (#S' O#-%)#+ #: (S&/7 (#' (+ '%&# /&#%): ()#7%# + * (#70(#AA' # +&: #K%2&A#%-# 230#; +) /& (#-(-"

I%QKKE%O=D9:8<%@T%7A=G<=6%N<B=: F=GE%

9=#/3(&' (: #S' O()); (&# ' 0+=#' 25; /7#+#) (6%)7#7%#70 (#@/!&'7)K#%-#9A)/32=72)(#70)%2A0#70(#82) (+2#%-# . /' 0) / (' #%&#%)#5 (-%) (#70(#TX70#: +K#%-#(+30#; %&700# 0%?/!&A[#

D+E#_0(#+) (+#%)# %& (#&#?O/30#70(#S' O#+) (#3+2A07#

D5E#_%&&+A (#%-#7%7+=#3+730#

D3E#_K6 (#%-#A(+)#2' (: #

D: E#966)%b/; +7(#* +=2 (#%-#70 (#7%7+=#3+730#

D(E#46(3/ (' #%-#S' O#3+2A07"#

9#6() '%&0#3%; 6+&K0#%)#3%)6%)+, %&#(&A+A(: #)%3(' /&A#S' O# 0+=#' 0%?#/' #; %&+(0.1(#)-0.4((%)0.

/&#%): ()#7%#6)(')*(#+&: #6)%7(37#70(#+2&+#+&: #?/=: #-(-#%-#70(#3%2&7)K#-)%; #(b, &3, %&"#

T"#_0(#@/!/'7())#%-#9A)/32=72)(#' 0+=#-)%; #, ; (#7%#, ; (#; +c(#' 230#)2=(#'#+&: #)(A2=+, %&'#+'#; +K#5(#
&(3(''+)K#-%)#70(#; 6=(; (&7+, %&#%-#70(#6)%*'!'/%&' #%-#70/'#\$0+67()#4230#)2=(#'#+&: #)(A2=+, %&'# 0+=#
5(#' 25; /i (: #7%#70(#N)('!/: (&7#+&: #' 0+=#0+*(#70(#-2=#-%)3(#+&: #j (37#%-#=#+?#-)%; #70(#: +7(#%-#O/' #

e@/!/'7()e#; (+&#@/!/'7())#%-#>+&: '0#@/!&('#+&: #k&()AK"#

e@/!&A#6)/!/(A('e#l&3=2: ('#l/3('&'#7%#(b6=%)()0#6()); l7'#7%#6)%'6(370#; l&!/&A#3=+!; '0#l&: #; l&!/&A#3%&3('!'%&'"#
9#e; l&!/&A#)/A07e#) (-)'#7%#(l70())#++; l&!/&A#3=+!; #%)#++; l&!/&A#3%&3('!'%&'"#

eG6(&!/&A#%-#++; l&(e#) (-)'#7%#++&K# 0+\#%)#++6()72)(#(l70())#*(), 3+=#%)#l&3=+&(: "#
_0(#)/A07#A)* (K#70/'#\$0+67())#7%#++&K#6()'%%#3+))K#++&K#; +i ()#7%#++#7)/52&+=#7%#5(#70())(#
: (7()); l&(: #?l=#5(#2&: ())'7%#: #7%#l&3=2: (#70(#)/A07#7%#++66(+#7%#++# 26()%)#7)/52&+=#2&=(#'#(b6)(''-&#
'7+7(: #7%#70(#3%&7)+)K"

l%Qs&E% 9HA=%89D:7GA7DCPE%
_0(#6)/l&3/6+=#?l=#5(#3%&3=2'/'* (-)('2; (: #7%#5(#+=?+K'#+: *l' (: #+&: #=(A+=K#&%, S(: #5K#++&K#&%, 3(#
5)%2A07#%)#C&%?%#++&K#%#0l'#+A(&7'##?0%#0+*(#5((&#: 2-K#+270)/)^(: #7%#++37#-%)0l; #lF(#1(625=3#)#

l%Qs' E%\ 7G7GO#9D=:CH9G%#D?@P7A%?HP78TE%
J%&'l: ()+, %&#%-#70(#; 6%)7+&3(#%-#70(#; l&!/&A#l&: 2'7)K#7%#70(#: (*(-%6; (&7#%-#70(#1(625=3#70(#
; l&!/&A#%6()+, %&'#6)%*l: (: #-%)#++&: #6()); li (: #5K#70(#>+?#%-#@/!&('#+) (#0())(5K#: (3=+): #7%#5(#++
625=3#2, =7K#&: #+'#l2', -K!/&A#70(#(b)3l' (#%-#70(#6%?())#%-#(; l&(&7#%; +l&p

l%QsSE%W: 9D=:8T%70B8<#G#F7G=:CP<E%
M"#@/!&()+# 25'7+&3('%-#++=#C/l&: '#?0/30#; +K#5(#-%2&: #%#F(#'2)-+3(#%-#70(#A)%2&: #%)#lF(#'%/=#%)#
'25'%/=#%-#70(#&+, %&#++#7())/7%)K#(b3(67# 25'7+&3('%-#70(#30+)+37())#l'7(: #l&#N+)+A)+60#T#%-#70(l' #
'(3, %&#%)#70())#%-#++#l; l=+)+30+)+37())#?0/30#; +K#5(#: ('/A&+7(: #5K#70(#@/!&'7)K#%-#>+&: '0#@/!&('#+&: #
k&()AK0#+) (#70(#6)%6()7K#%-#70(#47+7(#+&: #+&K70/&A#6()7+!&!/&A#7%#70(l) #: (*(-%6; (&7#++&: #2' ('0+=#5(#
A%*())&(: #5K#70(#6)%*'l'/%&'#%-#70(l'#+?)"#

T"#G): l&+)K#&#&l; (7+=l3#3%&'7)23, %&#++#; +7()l+=!0#l&3=2: l&A#52l=: l&A#7%&(0#'+&: 0#A)+*(-0#3=+K'0#
3%; ; %&#'+#7'0#5(-%&A#7%#70(#%?&())#%-#70(#+&: #+&: #; +K#5(#(b6=9/l(: #?l70%27#6()); l'!'/%&#%57+l&(: #
-); #70(#U%*())&: (&7#_0(#@/!&'7)K#%-#>+&: '0#@/!&('#+&: #k&()AK#l'#+270%)l'^(: #7%#++: : #70())#7(; '#7%#
70l'#+7#-%); #; ; (#7%#; ; (0# 25d(37#7%#)('7)/3, %&'#%#)l; l7+, %&'#+#70(#@/!&'7)K#; +K#: (7()); l&(#+)(#
&(3(''+)K"#

N"#9#; l&()+#; (6%'l7#%-#70(#30+)+37())# 6(3/S(: #l&#N+)+A)+60#T#527#?0/30#l' #-%2&: #l&#++&: '#?0/30#+) (#
70(#6)%6()7K#%-#70(#1(625=3#; +K#5(#(b6=9/l(: #5K#70(#1(625=3#%)#5K#++&K#6()'%&#?0%#0+ '#3%&7)+37(: #
?l70#70(#@/!&'7)K#%-#>+&: '0#@/!&('#+&: #k&()AK#7%#6)%7(37#70(#)/A07' #%-#70(#1(625=3#lF(#'+; (#
; +&#&())#+#-#70(#; l&())+5(-%&A(: #7%#++#6)/'+7(#6())%&#++&: #?+'#(b6=9/l(: #%)# 230#6)/'+7(#6())%&'#

<%70/&A#3%&7+l&(: #lF(l'#++?#l'7%#5(#3%&'7)2(: #7%#6) (*(&7#+=9#7; (&7#%-#625=3#++&: '#5K#70(#
U%*())&: (&7#-%)#+A)/32=72)+#++&: #70())#2' ('0#527# 230#A)+&7' #0+=#&7%#5(#: ((; (: #+7)+&'(-)%)#-#)/A07' #

7%#70(#; /&()+# 25'7+&3(' #/## 230#-&: '#/##3%&7)+*(&, %&#%-#70(#6)%*' /%&' #%-#6+)+A)+60#M#%-#70/' #
'(3, %&"#

I%QSUE%#<9G<#-P707@P=#9: %F7G7G0%D:7[7P=0=<E%

9&K#6(' %&#%-#(A+#+A(#%)#&K#+' '%3/+ , %&#%-# 230#6(' %&' 0#%)#&K#3%)6%)+, %&0#&+, %&+=#%)#-%)(/A&0#
; +K#5(#A)+&7(: #; /&/&A#6)/#=(A(' #b3(67#70(#N)(' /: (&7#%-#70(#1(625-#3#70(#\$+5/&(7#@/&' 7(' 0#
; (; 5(' #%-#70(#>#5(')/+#<+, %&+=#N%#3(0#70(#@/&' 7(')#%-#>+&: '0#@/&(' #+&: #K&()AK0#%)#&K#%70(')#6(' %&#
?0/=(#/#70(#(; 6=#K; (&7#%-#70(#@/&' 7)K0#; (; 5(' #%-#70(#q2: /3/+#8)+&30#%-#70(#U%*()&; (&70#
; (; 5(' #%-#70(#>A(' -#72)(0#&: #' 0(')j '0#3%&' 7+5=('0#&: #70(#-%3+#6%#3(#; +K#&%7#5(#A)+&7(: #; /&/&A#
6)*/#=(A(' #/#70(#7(')/7)K#?0/30#70(K#)(6(' (&7#%)#&#?0/30#70(K#(b(')3/(' #2)')/ : 3, %&#

I%QSWE%#CG6<%G98%?@b=A8%89%F7G7G0%D:7[7P=0=<E%

@/&/&A#6)/#=(A(' #?/#=#&%7#5(#A)+&7(: #-%)#; /&()+# 25'7+&3(' #-%3+7(: #%&#-&: '#%3326/(: #5K#3/ , (' 0#
3%; ; %&? (+#70#:' 7)/37' 0#; 2&/3/6+#:' 7)/37' 0#3(; (7(')/(' 0#7)+&' 6%)7+, %&#%)#3%; ; 2&/3+, %&#-+3/-' , (' 0#
+Z2(: 237' 0#5+)))+3c' 0#6%)7' 0#N%)%#52' 0#(')*(' 0#%)#625-#3#(')*/3(' 0#(b3(67#?/70#70(#3%&' (&7#%-#70(#
3%&7)%=#&A#-270)/, (' #+&: #' 25d(37#7%# 230# 6(3/+#7('); '#+&: #)(+' %&+5=(#3%&: /, %&' #+' #70(K#; +K#
6(' 3)/5(#-%)#70(#6)%7(3, %&#%-# 2)-+3(#2' (' "

I%QSXE%#7G6<%9L%F7G7G0%D:7[7P=0=<E%

<%#6(' %&#; +K#(b6=#/7#+&K#; /&()+# 25'7+&3(' #?0/30#+) (#70(#6)%6(')7K#%-#70(#47+7(#2&: (')#70(#
6)%*' /%&' #%-# (3, %&#M! ! #DME#%-#70/' # \$0+67(')#(b6=#) (#)#6)%' 6(37#-%)#70(; #2&=(' #0(#)' #70(#0%=: (')#
%-#

D+E#9#*+/: #/3 (&' (#7%#(b6=#) (#)#+72&& (#' /7(C#

D5E#9#*+/: #6('); /' '%%#6)%' 6(37C#

D3E#9#*+/: #; /&/&A#3-+/: C#

D: E#9#*+/: #; /&/&A#3%&3(' '%&#"#

9#-#3 (&' (#7%#(b6=#) (#)#6('); /' '%%#6)%' 6(37#6('); /7' #%-#K#70(#: %/&A#%-# 230#?%)c#+'#; +K#5(#
&(3(' +)K#7%#3+))K#7%#3%; 6=(, %F(#(b6=#)+, %&#%)#-%3+, %&#?%)c#%-#++#; /&(' #

_0/' #+?# 0+=#&%7#5(#3%&' 7)2(: #7%#)(Z2/)(#70(#%57+/&/&A#%-#-#-#3 (&' (#7%#(b6=#) (#)#6('); /7#7%#6)%' 6(37#
5(-%)(#+#; /&/&A#3-+/: #%)#; /&/&A#3%&3(' '%&#?/#=#5(#A)+&7(: 0#%)#70(#%57+/&/&A#%-#-#-#6)%' 6(3, &A#6('); /7#
5(-%)(#+#-#3 (&' (#7%#(b6=#) (#)

I%QSYE%#d8=G8%9L%F7G7G0%D:7[7P=0=<E%

9#; /&/&A#6)*/#=(A(#%-#+&K#c/ &: #b7 (&' #7%#&#&#&: (S&/7(#: (670#F(#(+)70#?/70/F(#5%2&: '#%#-#
*()3(#)-0. (/)-0. 5(&)-0. 4(#)] TJ(&4(3)0. 1. 3(#)-00-0. 9L00. 1. . 6(b)-0. (7)10. 8(')0. 4(&)-0. 4(:)-0. 4(#

'0+=#7+7(#70(#&+; (#+&: #+: :))(' '#%-#70(#6())'%&#; +c/&A#70(#+66=3+, %&C#70(#c/&: #-#; /&()+=#%)#; (7+=#70+7#7#'#6)%6%' (: #' 0+=#5(#; /&(: C#+&: #70(#: +7(#%-#70(#: /' 3%*())K#+&: #70(#&+; (#%-#70(#: /' 3%*())#%-#70(#; /&(#: (6%' /7' #'?0/30#7#'#6)%6%' (: #7%#(b6=7/'#)l&#+: : /, %&0#+&#+66=3+, %&#-%)#+#3%&3(' /%&#%-#70(#' (3%&: 0#70/): 0#%)#-%2)70#3=+' '+' #' 7+7(: #/&#' (3, %&#MBF#%-#70/'#\$0+67())#' 0+=#6)%*([#

D+E#kbl'7(&3(#%-#70(#; /&()+=#%F(#6)%6()7K#&#Z2(' , %&C#

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/' '2(: #62)' 2+&7#70() (7%#-%)#?0/30#+#6 (&+=7K#!' #&%7#%70()?' (' #6(3/S(: 0#; +K#5(#S&(: #5K#70(#@/&/' 7)K#

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N"#<%70/&A#&#=#/#3(&' (#7%#6)%' 6(37#-%)#: /+; %&: '# 0+=#5(#3%&'7)2(: #7%#A)+&7#+#6)%' 6(37%)#70(##/A07#7%# (b6-%)(#6)/*+7(#+&: '#"

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