

Gregory P. Perreault

! ""#\$%&'()*+,#(""#+-). %/'&0)1#2+3&0%' 4!

"#\$%&'(!)*'+\$,-. %/0%01*2!

3214#&\$105!*6!7*+0(!)8*&1. %!

91: : #&: %2!7' (**8!6*&!-. 4#&0!\$12;!<!=%\$\$!>*: : +21'%01*2!

?%! /%!@%5A!)8*&1. %!37-!

! #41#B\$!C. 10*&A!

> (%1&!*6!0(#!70%2. 12;!>*: : 100##!6*&'! "\$\$#%&' (A!

- \$\$*' 1%01*2!6*&!C. +' %01*2!12!D*+&2%8!\$: !%2. !=%\$\$!>*: : +21'%01*2!EFGFHIFGFJK!

) +8L&1; (0!@*0\$01L#&!7' (*8%&!*6!- +\$0&1%2!- : #&1'%2!70+. 1#\$A!

3214#&\$105!*6!M1#22%!EFGFGIFGFHK!

56*78965: ;)<=>; 8?9)

!""#\$
%&'(')*
+

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25

FGFF

!

= *20%8L%2*A!C0!<!*(++(&20'-)DJ!EFGFJIQ2!P&#\$\$K!"#\$1\$012;!P&*0#\$0%20!N#;|#: *25,!
P&1418#;12;! '*4#&%;#!12!Q1*2!&#/*&012;0
!
*(++(&20'-)D-)?%2. *'A!D&Q!C0!<!>%L#&&*2A!f0!EFGFJK!f16#!%60#&! . #0(,!RL10+%&1#&\$!%\$!
: #0%V*+&2%81\$01'!. 1\$' *+&\$#0!

7 (**012; \$0! O!H[AEJK,!Hh_IH[JO!
(00/\$,ee. *10*&; eHG0HH_eHZJHFhJHFFHHHJ^G!
* ((+(&20'-)DJ)= **2A!'' 0A!) %&; #2!X%8\$(A!D0! <!P#&&#+80A! = 0!EFGFFK!g00c\$!2*0!(%0#A!L+000g!
W#61212; !: %&; 12%8!'%0#; *1#&\$!12!&+&%8!V*+&2%81\$: 0! 0! - . 4%2' #!
*2812#!/+L81'%01*20!(00/\$,ee. *10*&; eHG0HG^GeH_THF_[0FGFF0FG_T_^F)
* ((+(&20'-)DJ)D*(2\$*2A!@0A! <!C8#12A!F0!EFGFFK!>*4#&12; !N%0#!)1#8. !?(*&5!%2. !
D*+&2%81\$01'!' *8#!>*2'#/01*2!12!0(#!>*4#&%; #!*6!X(10#!Y%01*2%81\$01'' %881#\$0!
O!H[AE[K,!HHH_IHHJJ0!
(00/\$,ee. *10*&; eHG0HG^GeH_THF_[0FGFG0H^JTTFT)
* ((+(&20'-)DJ)!<!=#80`#&A!C0!EFGFFK!=#0%V*+&2%81\$01'!. 1\$' *+&\$#!%2. !&#/*&012; !/*81'1#!\$!*2!
B(10#!2%01*2%81\$: 0! 0! - . 4%2' #. !*2812#!/+L81'%01*20!
(00/\$,ee. *10*&; eHG0HH_eGHZ[^TZZFHGG_FhTF!
* ((+(&20'-)D0!<!@#88A!?0!EFGFFK!?*B%&. !%!p. 1; 10%8q!\$/*&0!V*+&2%81\$: ,!)1#8. !0(#*&5A!
'(%2; 12; !L*+2. %&1#&\$!%2. !#4*8412; !0#' (2*8*; 1#\$0! O!HGAEJK,!
JZ^!hH[0!(00/,ee. *10*&; eHG0HH_eFH[_h_ZTFGZ_ZZT^)
* ((+(&20'-)DJ)P#&&#+80A! = 0!<! = %&&#&\$A!P0!EFGFFK! = #0%V*+&2%81\$01'!. 1\$' *+&\$#!%\$!%\$!\$0!L181`#&!
B10(12!0(#!V*+&2%81\$01' !61#8. ,!D*+&2%81\$01' !/&% '01' #!12!0(#!>RMQWV!HZ!/%2. #: 1' 0!
O!H[AEFIJK,!J[TIJ^JO!
(00/\$,ee. *10*&; eHG0HG^GeH_THF_[0FGFH0HhZ[JG!
* ((+(&20'-)D0!P#0#&\$A!D0!D*(2\$*2A!@0! <!C8#12A!F0!EFGFHK!N*B!D*+&2%81\$0\$!?(12d! - L*+0!
0(#!)18\$0! - : #2. : #20!M1\$!r!M1\$!?(#18!>*4#&%; #!*6!N%0#!b&*+/\$0!
O!HTAEFGFHK0!
)#&&+' '1A!P0!<!*(+(&20'-)DJ!EFGFHK!?(#181%L18105!*6!2#B2#\$\$,!D*+&2%81\$: A!122*4%01*2!%2. !
0(#!1\$\$+#!*6!' *8#!' *: /#0#2'1#\$0! O!FFAEHHK0!

* (+(&20' -)D0! <!)#&&+ ' ' 1A!P0!EFGFGK!X (%0!1\$!W1; 10%8!D* +&2%8!\$: k!W#61212; !0(#!P&% ' 01' #!%2. !
" *8#!*6!0 (#!W1; 10%8!D* +&2%8!\$00 !^EHGKA!HFZ^I

P%; #A!DQ!W+665A! =0A!) &1\$L5A!>0!<!* ((+(&20'-)DJ!EFGH[K!'' 1' (%&. !7 (#&: %2!\$/#%d\$!%2. !
%0: *\$0!L&#%d\$!0 (#!Q20#&2#00! O!F_A!EJK!
(00/\$,ee. *10*&; eHG0HG^GeHG[h[H_T0FGH[0HH_[Z[Z!

* ((+(&20'-)DJ!EFGHTK0!'' #8!; 1*2!%2. !=#. 1%,!7588%L!<!P#. %; *; 50!
HhA!EJK0! (00/\$,ee. *10*&; eHG0HG^GeHTJh^hFJ0FGHJ0_ZHTh^!

* ((+(&20'-)DJ!EFGHhK0!pQ\$8%: !1\$!C4#&5B (#&#q,!>*4#&%; #!*6!Q\$8%: !12!0 (#!C; 5/01%2!C2; 81\$(!
P&#\$\$0! !HJA!EFK!
(00/\$,ee. *10*&; eHG0HG^GeHTJh^hFJ0FGHh0ZGZFG_!

)
=3L%(E)1#2+3&0)! +'%\$0("0@#4 4 (3'&+P)

)
* ((+(&20'-)DJ-!<!W1: 10&*4%A!W0!EFGFFK!>*: : #20%&5,!W#: 5\$016512;!0(#!) +8L&1; (0!7' (*8%&85!
CU/#&1#2' #0!

!N#&\$ (#5A!P- ,!

QbQ!b8*L%80! (00/,ee. *10*&; eHG0hGH^eZ_^!HI[[^h!_T^ZI^0' (G[F!
P#&&#%+80A! = 0!<! * ((+(&20'-)DJ!EFGFGK! = *L18#!b%: 12;!70&%0#;1'!>* : +21' %01*2!%2.!)#%&!
*6! = 1\$\$12;!R+0!E) * = RK!12!)%2!>+80+&#;!-!>%\$#!70+. 5!*6!)12%8!)%20%\$5!@&%4#!
CU41+\$0! 0!W+22A! - 0!EC. 0K!N#&\$ (#5A!P- ,!
QbQ!b8*L%80!

!!!!!!! ,!P#&&#%+80A! = 0!<! * ((+(&20'-)DJ!EFGFJK! = *L18#!b%: 12;!70&%0#;1'!
>* : +21' %01*2!%2.!)#%&!*6! = 1\$\$12;!R+0!E) * = RK!12!)%2!>+80+&#;!-!>%\$#!70+. 5!
*6!)12%8!)%20%\$5!@&%4#!CU41+\$0!

!N#&\$ (#5A!P- ,!QbQ!b8*L%80! (00/,ee. *10*&; eHG0hGH^eZ_^!HI

[[^h!_T^ZI^0' (G^G!

* ((+(&20'-)DJ!<! = + #88#&A! ?0!EFGFGK! X (*!9*4#\$!0 (#!@1L81' %8!C/1' k!-! : 1U#. 1: #0(*. !
%2%85\$1\$!*6!*2812#!' * : +2105!/#&' #/01*2!*6!#/1' !@1L81' %8! : *41#\$0!
!>8%50*2A!X0!EC. 0K! = %2' (#\$0#&A!

3c,!3214#&\$105!*6! = %2' (#\$0#&!P&#\$\$0!

* ((+(&20'-)DJ!<!f%+; (812A!>0!EFGHZK! - : #81' %2!#4%2; #81' %8!; %: 12;! +80+&#;!-!' %\$#!\$0+. 50!
!70+&; 188A! - 0!<!> (#2A!>0!EC. 0K!7%20%!@%&L%&%A!>- ,!P&%#; #&0!

P#&&#%+80A! = 0A! * ((+(&20'-)DJ

f52' (A! ?QA!C&U#8L#2A! =0! <! * ((&20' -)DJ!EFGFFK! ? (&#%0!%2. !C2(%2' #: #20;!70 0(!*6!b%: #&! 0. #20105! = * . #&%0#\$! - 66# ' 014#!' '\$ / * 2\$#!0*! = #\$\$\$; ##!%L * +0!b%: 12; 0!FGFF!Y%01*2%8! >*: : +21' %01*2! - \$\$*' 1%01*20!Y#B!R&#%2\$A!f* +1\$1%2%0!!

* ((+(&20' -)D-) ?%2. * ' A!D&QA!C0! <!>%L#&&*2A!f0!EFGFFK!f16#!%60#&! . #%0(!,!RL10+%&1#%!%\$!: #0%V* +&2%81\$01' ! . 1\$ * +&\$#0!FGFF! - \$\$*' 1%01*2!6* &!C. + ' %01*2!12!D* +&2%81\$: !<! = %\$\$!>*: : +21' %01*20!V#0&*10A! =1' (1; %20!

* ((+(&20' -)DJ!<! = 188#&A!c0!EFGFFK!X (#2!V* +&2%81\$0\$!%&#!4*1' #8#\$\$,!N*B!816#\$058#!V* +&2%81\$0\$!' *4#&! (%0#! %2. !: 101; %0#! (%&%\$\$: #200!FGFF! - \$\$*' 1%01*2!6* &!C. + ' %01*2!12!D* +&2%81\$: !<! = %\$\$! >*: : +21' %01*20!V#0&*10A! =1' (1; %20!

* ((+(&20' -)DJA! = **2A!'' QA!)%&; #2!X%8\$ (A!D0! <!P#&&#%+80A! = 0!EFGFFK!'' #/*&012; !&+&%8! (%0#, ! = %&; 12%8! '%0#; *&1#\$!12!&+&%8!V* +&2%81\$: 0!FGFF! - \$\$*' 1%01*2!6* &!C. + ' %01*2!12!D* +&2%81\$: !<! = %\$\$! >*: : +21' %01*20!V#0&*10A! =1' (1; %20)

* ((+(&20' -)DJ)<!N%2+\$' (A!)0!EFGFFK!Y*&: %8! 12; !Q2\$0%; &%: 0!FGFF!Q20#&2%01*2%8!>*: : +21' %01*2! - \$\$*' 1%01*20!P%&1\$A!)&%2' #0!

* ((+(&20' -)DJ)Q)

* ((+(&20'-)DQ!W%21#8A!C070A!<!?(%: A!70!EFGFGK!?(#!7*'1%8!Q. #20105!*6!pf**0!@*Uq!b%: #&\$,!-!>%\$#!
70+. 5!*6!
0!FGFG!- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!
>* : +21' %01*20!M1&0+%8!>*26#' #0!7%2!)&%2'1\$' *A!>%816* &21%0!

C%2%2*41' (A!M0!<!*((+(&20'-)DJ!EFGFGK!-+. 1#2'#!%\$!@*+2. %&5!X *d#&!W#* *2\$0&+'012; !0(!>YY!
f14#!@&*%.' %\$0!6&* : !0(!7%2!@#&2%&. 12*!7(*'0#&\$a!- /%&0: #200!FGFG!- \$\$*'1%01*2!6*&!
C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!M1&0+%8!>*26#' #0!7%2!)&%2'1\$' *A!
>%816* &21%0!

* ((+(&20'-)DJ!<!f52' (A!?'0!EFGFGK!W1\$' *+&\$#!*6!b%: 12;!?(#*&5,!N*B!b%: #&\$!X *d!%\$!%2!
Q20#&/#!>* : +21050!FGFG!Q20#&2%01*2%8!>* : +21' %01*2!- \$\$*'1%01*20!M1&0+%8!
>*26#' #0!75. 2#5,!- +\$0&%81%0!

* ((+(&20'-)DJ)70%261#8. A!c0!<!f+00: %2A!70!EFGHZK!pX(5!0(!tt8!. *!V*+&2%81\$0\$!(%4#!%!)X(10#!N*+&\$#!
P&#\$\$!>*&&#\$/*2. #20\$a!W122#&k!)#8. !?(*&5!%2. !' *8#!>*2' #/01*2!12!P*8101' %8!D*+&2%81\$: 0!
FGHZ!- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!?'*&*20*!>%2. %0!

* ((+(&20'-)DJ)<!=#80' #&A!C0!EFGHZK!'' #/*&012; !N#0#!=#0#V*+&2%81\$01'!. 1\$' *+&\$#!%2. !&#/*&012; !
/*81'1##!*2!0(!#!g%801&1; (00g!FGHZ!Q20#&2%01*2%8!>* : +21' %01*2!- \$\$*'1%01*20!X%\$(12; 0*2A!
W0>0)

P%+8A!Y0!<)*((+(&20'-)D0!EFGHZK!P1' 0+&12; !0(!#P&#\$. #20,!M1\$+%8!%2%85\$1\$!*6!0(!#W*2%8. !?&+: /!
/&#\$. #2' 5!*2!3!070! : %; %12#!' *4#&\$!L#0B##2!FGH[!%2. !FGH^0!FGHZ!- \$\$*'1%01*2!6*&!
C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!?'*&*20*!>%2. %0!

* ((+(&20'-)DJ)EFGHZK!Y&&%014#16&%: 12; !*6!Q 1*2!12!; %: 12; !V*+&2%81\$: 0!FGHZ!Q20#&2%01*2%8!
>* : +21' %01*2!- \$\$*'1%01*20!X%\$(12; 0*2A!W0>0)

>&%B6* &. A! =0!<)*((+(&20'-)DJ)EFGHZK!7/*&0\$!V*+&2%81\$0\$!*2!' *4#&12; !B* : #2a\$!/*&0\$,!
=#0#V*+&2%81\$01' !W1\$' *+&\$#!*2!0(!#1&*8#!*6!B* : #2!12!\$/*&0\$!%2. !\$/*&0\$!&#/*&012; 0!FGHZ!
Q20#&2%01*2%8!>* : +21' %01*2!- \$\$*'1%01*20!X%\$(12; 0*2A!W0>0)

W%21#8A!C0!70A!<)*((+(&20'-)DJ)EFGH^K!7#0012; !0(!#b#2#&&!P+L81' &!>* : 2101*2,!- ; #2. %!7#0012; !%2. !
=#8. 12; !!2!P#&\$*2%!T0!FGH^!C+&*/%2!>* : +21' %01*2!' #&#&' (!%2. !C. +'01*2!- \$\$*'1%01*2A!
f+; %2*!A!7B10' #&8%2. 0)

* ((+(&20'-)DJ)<!M* \$A!?'0!EFGH^K!?'&%. 101*2%8!V*+&2%81\$0\$!*2!; %: 12; !V*+&2%81\$: ,!=#0#V*+&2%81\$01' !
. 1\$' *+&\$#!*2!0(!#1&1\$#!*6!816#\$058#!V*+&2%81\$: 0!FGH^!- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !
%2. !=%\$\$!>* : +21' %01*20!X%\$(12; 0*2A!W>0!)

* ((+(&20'-)DJ)<!?(%: A!70!EFGH^K!?'(#!C66# 0\$!6!)8*B!12! =*L18#!b%: 12; !Q24*84#: #20A!7/#2. 12; !
P&% '01' #&A!%2. !- 0010+. #0!FGH^!- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!
>* : +21' %01*20!X%\$(12; 0*2A!W>0)

* ((+(&20'-)DJ)<! =#88#&A!?'0!EFGH^K!X(*!8*4#&!0(!#1L81' %8!C/1' k!- !: 1U#. 1: #0(*. !%2%85\$1\$!*6!*2812#!
' * : +2105!/#& #/01*2!*6!#/1' !@1L81' %8! : *41#0!FGH^!- \$\$*'1%01*2!6*&!C. +'01*2!12!
D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!X%\$(12; 0*2A!W>0)

P#&&#%+80A! =0A!7+%&#` A!- 0!<)*((+(&20'-)D0!EFGH^K!X(%0!. *\$#!10! : #2!0*!L#!%!B* : %2!12!p12. 1#q!; %: #!
\$0* &50#8812; k!Y%&&%014#!)&%: 12; !!2!Q2. #/#2. #2085!W#4#8*/#. !M1. #*!b%: #0!FGH^!
- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!X%\$(12; 0*2A!W>0)

* ((+(&20'-)DJ)<!70%261#8. A!c0!EFGH_K! =*L18#!D*+&2%81\$: !%\$!f16#\$058#!D*+&2%81\$: k!)1#8. !0(#*&5!12!0(!#!
120#; &%01*2!*6! : *L18#!12!0(!#2#B\$&***: !%2. !: *L18#!V*+&2%81\$0!&*8#!' *2' #/01*20!FGH_!
- \$\$*'1%01*2!6*&!C. +'01*2!12!D*+&2%81\$: !%2. !=%\$\$!>* : +21' %01*20!>(1' %; *A!Qf0!

* ((+(&20'-)DQ!P#&&#%+80A! =0A!<!M%2!W5d#A! =0!EFGH_K!?'(#!P*B#&!*6!W1; 10%8!b%: #&!12!W1\$%\$0#&!
P&#/%&&01*2!%2. !P*\$0. 1\$%\$0#&!'' #&181#2' #0!FGH_!Q20#&2%01*2%8!>* : +21' %01*2!- \$\$*'1%01*20!7%2!
W1#; *A!>- 0!

* ((+(&20'-)D0!<!P%+8A!Y0!EFGH_K!75: L*81'!>*24#&; #2'#!12!W#/'01*2\$!*6!75&1%2! =1; &%20\$,!- !)%20%\$5!
?(!# : #!- 2%85\$1\$!*6!0(!#N+ : %2\$!*6!Y#B!v* &d!#&1#p?(!#175&1%2!- : #&1' %2\$0q!FGH_!
Q20#&2%01*2%8!>* : +21' %01*2!- \$\$*'1%01*20!7%2!W1#; *A!>- 0!

)
)

)
@#4423%\$&'%#3)5'I%\$") -!2#B!'8%\$\$!%. .#. !0*!0(!91: : #&: %2!7' (* *8!
' +&&

>#\$('P)
)

6%' '#2+%>\$! ##0)
#,)1#2+3&0%' 4)
f%&; #18#' 0+&#!
' 8%\$\$#!DHHGG!%2. !
DHGGG!EHGGIJGG!
\$0+. #20\$K!12' 8+. #. !
: %2%; 12; !%2. !
: #20* &12; !; &% . +%0#!
0#%' (12; !%\$\$1\$0%20\$000.

!
!

-)%' +805!' #%%\$1; 2#. !?1: #' * : /#0101*2!EFGFHI!
FGFFKI!^!; &%20\$!0*0%8A! /&* 41. # \$!%!* 2#!\$#: # \$0#&A!
* 2#!' * +&\$#!#%\$#0!
- ?(#!7' (*8%&\$ (1/!6* &!W14#&\$105A!Cs+105A!%2. !
Q2' 8+\$1*2!E7WCQK!; &%20!' * : /#0101*2!EFGFGA!FGFFKI!
^!; &%20\$!0*0%8!#%' (!5#%&A!SFTGG!%B%&. \$0!
- R" - 3!" %8/ (!C0!P* B#!D+21*&!)%' +805!
C2(%2' #: #20! - B%&. !EFGFGIFGFHK!!f1: 10#. !
7+L: 1\$1*2!>* : /#0101*21T!; &%20\$!0*0%80!
!

! "#\$%& ' "(&)*+
, * ' ' - (./\$. *(

- >'&3E%3/)@# 4 4%' ()>(+L%\$ ()
- 6(4N(+A!W#/%&0: #20!*6!>* : +21'%01*2!>(%1&!
- . 41\$*&5!>* : 100##!EFGFHI FGFFK!
 - 6(4N(+A!W#/%&0: #20!*6!>* : +21'%01*2!
70&%0#; 1!P8%2212; !>* : 100##!
 - C&\$20'P)?(H+ (" (3'&'%L (A!70+. #20! = #. 1%!
- . 41\$*&5!@*%&. !EFGHZK!
 - 6(4N(+A!3214#&\$105!7+: : #&! " #%. 12; !P&*; &%: !
EFGH_K!
 - 6(4N(+A!W#/%&0: #20!*6!>* : +21'%01*2!
-8+: 21!>* : 100##!EFGH^I

- @I &%-!7#21*!&7' (*8%&!b&%20!>* : /#0101*2!Q2!
FGFFA!0(#&#!B#&#!HZ!%/ /8! '%20\$!6*!&0(!#; &%20!
B(1' (!&#s+1&#. !J^!)#B#&\$0!?'%\$d#. !%8\$*!B10(!
)\$12; !0(!#%B&&. !/&* '\$\$!12!*&. #&!0*!L#!: *&#!
&#\$/ *2\$14#10*!&%2; #!*6!&#\$\$%&' (!%/&*' ('\$0!

!

6(4N(+EFGFHIFGFhK0!?'%\$d#. !B10(!*4#&\$1; (0!*6!%B&&. \$!
%2. !0(!#&#\$\$%&' (!/&*; &%: !*6!0(!#*&; %21`%01*20!Q2!0(1\$!
#8#`0#. !/*\$101*2A!Q!B*&d!B10(!\$1U!*0(#&!\$' (*8%&\$10*!%. 4!\$#!
8#%. #&\$ (1/*2!&#\$\$%&' (!2##. \$!*6!0(!#*&; %21`%01*2!%2. !(#8/!
\$(%/#10(!#!*26#' #a\$!&#\$\$%&' (!*66#&12; \$0!

- @#K\$1 &%-!Y%6`1; #&1X(10#17#8B#2!V1\$#&0%01*2!
- B%&. !>* : /#0101*2!Q2!0(1\$!' %/' 105A!Q! : %2%; #. !
0(!#. 1\$\$#&0%01*2!' * : /#0101*2A!)#B12; !%88!
. 1\$\$#&0%01*2!\$+L: 1\$\$1*2\$!12!0(!#16!&\$0!&*+2. !%2. !
: %2%; 12; !)#B\$!6*!&0(!#!\$#' *2. !&*+2. 0!

!

Q2!FGFHA!B#!)\$#. !0(!#YX7!%\$\$#\$\$: #20!&+L&1' !
12!*&. #&!0*!/&* : *0#!12' 8+\$14105, !/&*41. 12; !
%4#2+#\$!6*!&8%L!L!L\$#. !. 1\$\$#&0%01*2\$!E12' &#%\$12; 85!
/&* : 12#20!12!C+&*/#K!0*!&#`#14#16!&1%\$\$#\$\$: #200!

!

- >2N\$#44%' ()#>2HH#+')>\$1 #0&+')%3)' I ()
* &3E(4%\$J)- \$!%!: #: L#&!*6!0(1\$!' * : : 100##A!Q!8# . !
0(!#. #4#8*/ : #20!*6!%!/ *88!0*!- CD=>!0*!%\$\$#\$!
\$' (*8%&\$a!#U/#&1#2' #!*6!0(!#!/%2. #: 1' !12!*&. #&!0*!
/&*41. #!126*&: %01*2!6*!&! (*B!0(!#*&; %21`%01*2!
' *+8. !L#00#&!\$#&4#10(!# : #: L#&\$ (1/\$a!&#\$\$%&' (!
2##. \$0!

!

< (&E!FGHZIFGFGK!Q2!0(1\$!' %/' 105A!Q!*4#&\$%B!0(!#
/&#\$\$#20%01*2!*6!f16#01: #!- ' (1#4#: #20!- B%&. \$!6*!&
6*+2. 12; !\$' (*8%&\$!B10(12!0(1\$!\$+L61#8. 0!Q!\$+' '\$\$6+885!
2#; *01%0#. !%&#&. + '#. !; &%: +%0#!\$0+. #20!&%0#A!*&; %21`# . !
#2(%2`# . !*+0#%' (!#66* &0\$!12!*&. #&!0*!\$/+&!; &%: +%0#!
\$0+. #20!124*84#: #20A!B* &d#. !B10(!- CD=>!8#%. #&\$ (1/!12!
&. #&!0!&#\$/ *2. !#66#`014#85!0*!' *26#' #!' * : /8! '%01*2\$!
12!%01*2!0*!0(!#! * &*2%41&+\$/%2. #: 1' !%2. !. #4#8*/# . !%!
6+2. 12; !/&*; &%: !0*!(#8/!12!2##. !6%' +805!%2. !; &%: +%0#!
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)

^%\$) < (&E!FGH_!FGHZK!Q2!0(1\$!' %/' 105A!Q!/&#/%&#. !
/10' (#\$!6*!&!/%2#8!/&#\$\$#20%01*2\$A!2#; *01%0#. !0(*\$#!/10' (#\$!
B10(!*0(#&!. 141\$1*2\$!%2. !120#�!; &*+/\$A!%2. !612%885!
* &; %21`# . !HG!/%2#8\$!L#0B##2!- CD=>!FGH^!%2. !- CD=>!
FGHZQ!?(#\$\$#112' 8+. #. !%!: 1U0+&#!*6!&#\$\$%&' (A!0#%' (12; !%2. !
12. +\$0&516*' +\$#. !/%2#8\$0!

!
*+#, ("%"#3&0)C+(E#4)Q)?("H#3"%N%0%P)@I &%!EFGHTI
FGH_KO!
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: (M"0('' (+)5E%' #+!EFGHFIFGHTK0!Q2!0(1\$!' %/' 105A!Q!
12' &#%\$# . !0(#!6&#s+#2' 5!*6!2#B\$8#00#&\$!6&*: !0B*!01: #!\$!
5#%&!0*!s+%&0#&850!Q2!% . . 101* 2A!Q!' * 20&1L+0# . !0B*!%&01' 8#\$!%!
5#%&0!!

!

6&3&/(+A!7#&41'#!X*d!710#!P8%'#: #20!EFGHGIFGHHK!

- >+8014%0#. !%01*2\$(1/\$!B10(!\$#&41'#!%; #2'1#%!
 %' &*\$\$!X%\$(12; 0*2A!W0>0!12' 8+. 12; !>#20&%8!321*2!
 =1\$\$1*2A!Y!700!M188%; #A!>%/10*8!N188!M188%; #A!%2. !
 >*&2#&\$0*2#!7' (* *8\$!12!*&. #&!0*/8%'#!hT!
 V*+&2%81\$: A!\$0&%0#; 1'!' *: : +21' %01*2A!/*8101' %8!
 \$'1#2'#!%2. !L+\$12#\$\$!. *: #001!\$0+. 5!\$0+. #20\$0!
 70+. #20\$!B#&#!&#s+1&#. !0*!' *2. +'0!%!: 121: +: !*6!
 FG!(*+&\$!*6!\$#&41'#!B*d!. +&12; !0(!!\$#: #0#&0)

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5` '(+3&0)?(L%(M(+!) +8L&1; (0!C; 5/0!7' (*8%&! - B%&. !

- "#41#B#. !%/81' %20!6*&) +8L&1; (0!C; 5/0!7' (*8%&!

C20N+% / I ')
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P&*/*\$#. !/&*V#' 0!6*&!0(#!5#%&,!!

pR%\$1\$!12!0(#!-//%8%' (1%2!Y#B\$!W#\$#&0q,!

@&12;12;! = *L18#!D*+&2%81\$: !"#/*&012;!0*!

32. #&\$#&4#. !>*: : +2101#*!6!'" +&%8!-//%8%' (1%A!

%!S__AGGG!;&%20!/&*V#' 0!0*!L#!\$+L: 100#. !6*&!%!

! N4#9&&' (' O&
!
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R")!E- +\$0&1%K!!
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Y1#: %2f%L! T+; #3"#B&' (' O&

D9092"8&. 3#7"89-: 5&C7-2"O#": 5&PQR0&4. 8929\$"8&
6. 3#7"89-: &>C72+#/9+, +=@&
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: "8+S-34#+: "\$9-2&O#. 34&?"": +#?"2+&&
>C72+#/9+, +=@&