

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

!
C4#'6+2!60!. '1)\$&'!''00(4+#!' ##\$##%\$&'!

!
@--#--6#*!A+'8+*'!8#!?+, +-+0*!09!&'51#*!@99(+%-!8(-!'(D#*!/4(2#!90%!6(*.!.#(%-:!!
=8#!9+%-'!-'#/-!'0A(%1-!(-#--6#*!/%(2'+2#-!\$#7(*!A+'8!'8#!2(%1!-A+/#!-. -'#63!
A8+28!A(-!+'%0152#1!+'!8#!6+1!EFG-:!!=8+!-. -'#6!A(-!#6/40.#1!\$.!(!4(%7#!
56\$#%!09!1#/(%'6#-'!0!'%(2D!'8#!*56\$#%!09!-'51#*-'!5-+*7!-%, +2#-!(*1!'0!6(D#!
(//%0/%+('#!-'(99+*7!(*1!/%07%(66+*7!1#2+-+0*-\$(-#1!0*!'8#!1('(:!
!

@**5(4!/4(*+*7!9+%- '\$#7(*!+'!'8#!HGGE>

H+6S+(%#!(&)!. \$+54, \$#!

! !

@--#--6#*!(*1!B#-#(%28!0/#%(' #-!+<!/%+6(% .!95*2'+0*-!+*2451+*7!TEU!(1, +-+*7!
1#/(%'6#*'-!%#7(%1+*7!'8#+%!(**5(4!(*1!-'%(' #7+2!/4(*+*73!THU!(16+*+-' #%+*7!(*1!
(* (4. C+*7!-5%, #. !1 (' (3!TVU!'%(2D+*7!-'51#*!'1 (' (3!TWU!9(2+4+' (+*7!'8#!/%07%(6!%#, +#A!
/ %02#--!TXU!200%1+* (' +*7!-'51#*!'!#6/40. ##!%'(+*+*73!(*1!TKU!(-+-' +*7!1#/(%'6#*'-!
+*1!# , #40/+*7!(*1!6#(-5%+*7!-'51#*!'!4#(%*+*7!05'206#-!:

!

" &&1 (!(&)!. '+('\$S4, !H/(&&4&S!
P*#!09!'8#!-#%, +2#-!/ %0, +1#1\$. !05%!1#/(%'6#*!'!+!-'8('!09!(-+-' (*2#!A+'8!(*5(4!
(*1!-'%(' #7+2!/4(*+*7!!@*5(4!/4(*+*7!+-!2(/'5%#1!+*'8#!-+<20456*!601#4!!=8+-!
'004!A(-!1#-+*7*1!+*!HGGR!(*1!2(/'5%#-!8#!#4#6#*'-!09!(1#/(%'6#*!'70(43!+ '-!
%#4(' +0*!'0!%' +254(' #1!5*+, #%-+' .!0%!1+, +-+0*!' +*+' (' +, #-3!6#(*-!'0!(28+#, +*7!'8!170(43!
-'51#*!'!4#(%*+*7!05'206#!(--02+(' #1!A+'8!'8!170(43!6#'801!09!(-#--6#*!'3!%#-54'-!09!
(-#--6#*!'3!(*1!'8#!5-#!09!%#-54'-!!&+<20456*!601#4!+*90%6(' +0*!'!-5\$6+' #1!\$. !
1#/(%'6#*'-!0*4+*#1\$. !@575-'!E!90%'8#!5/206+*7!(2(1#6+2!. #(%:Y01#4-! (%#!
5/1 (' #1!\$. !Z(*5(% .!EX!(*1!(%#!206/4#'#1!\$. !Z5*#!E!-0!'8('!8#%#!+!#*0578!' +6#!90%!
05%!099+2#!'0!1%(9!'8#!1+, +-+0*!(**5(4!%/0%':!

!

" +8+*!'8#!4(-!'A0!. #(%-3!A#18(, #!1# , #40/#1!(!206/4#6#*'(%. !'8%##!'0!9+, #!. #(%!
-'%(' #7+2!/4(*+*7!/ %02#--!'0!(4+7*!05%-#4, #-!A+'8!0, #%(44!1+, +-+0*!(*1!5*+, #%-+' .!
/4(*+*7!!=8#!+*#*!'09!'8+!-/ %02#--!+-!'0!(-+-'!1#/(%'6#*'-!A+'8!'8#%!, +-+0*+*7!\$5'
(4-0!'0!6(D#!(**5(4!/4(*+*7!(*!#(-+#!%/ %02#--!(-!'8#!-'%(' #7+2!/4(*!2(*!\$#!
20*-54'#1!A8#*!1%(9'+*7!'8#!-+<20456*!601#4!!?#/(%'6#*'-!2(*!(4-0!2800-#!'0!
+*2451#!206/0*#*'-!09!'8#%!/ %07%(6!%#, +#A!(2'+0*!/4(*!+*!'8#%!-+<20456*!601#4!!
" 8+4#!60-'!1#/(%'6#*'-!8(, #!206/4#'#1!(!'(4#(-!'!/0%'+0*!09!'8#%!'-%(' #7+2!/4(*3!
'8+!+-!'!+44!(*! (%#('!8('!2(*!\$#!+6/%0, #1!!&'%(' #7+2!/4(*-!A#%#!15#!'8+!-!/%+*7!HGEV3!
\$5!'!+!(/#(%-!'8('!1#/(%'6#*'-!(*1!1+, +-+0*!4#(1#%-!6(.!\$#*#9+'!9%06!(11+' +0*(4!
20*-54' (' +0*!'!206/4#'+*7!'8#%!'9+*(4!1#(9' -(*1!+*20%/0%(' +*7!'8+!-/ %02#--!+*!'0!'8#%!
1#/(%'6#*'(4!(**5(4!/4(*+*7!:

!

=0!4#!'1#/(%'6#*'-!D*0A!80A!'8#. [%#!10+*7!A+'8!(-#--6#*!'(*1!'0!8(, #!(!'(%7#'
90%!A8#%#!904D-!-80541!-'%, #!'0!\$#3!'8#!(-#--6#*!'2066+'##!2%#(' #1!'8#!
(-#--6#*!'!/ %07%#--!%#/0%':!!=8+!+-!(!%5\$%+2!05'4+*7!#(28!09!'8#!(-#--6#*!'(%#(-!
A+'8!(!0*#!'0!905!%(' +*7!09!80A!1#/(%'6#*'-!(%#!10+*7!!=8+!A+44!\$#!1+25--#1!
95%'8#%!' +*7!'8#!(-#--6#*!'!-#2'+0*':!

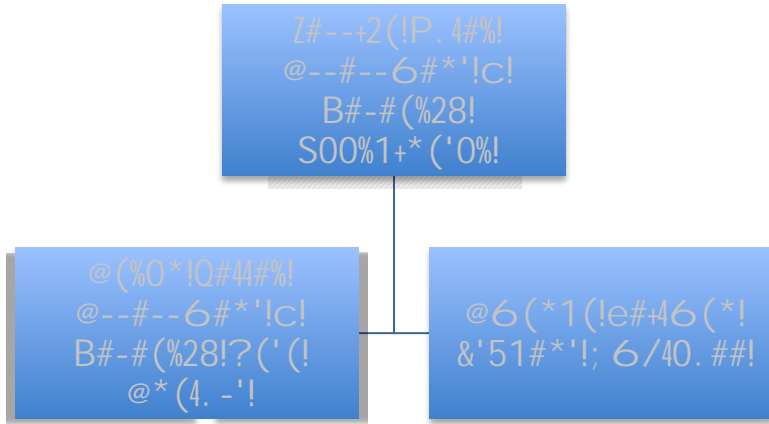
!

. 1+5\$2!3 (' (!
P5%!1#/(%'6#*!'A0%D-!A+'8!(44!0'8#%#!A+'8+*!'8#!?+, +-+0*!09!&'51#*!'!@99(+%-!'0!
(16+*+-' #%-5%, #. -!%#7(%1+*7!-'51#*!'!#*#1-!(*1!-'(+9(2'+0*':!!L*!(11+' +0*!'0!A0%D+*7!
A+'8!1#/(%'6#*'-!A+'8+*!'8#!1+, +-+0*!3!05%#1#/(%'6#*!'(4-0!(16+*+-' #%-!' (' +0*(4!
\$#*286(%D+*7!-5%, #. -!'8('!(4+7*!A+'8!'8#!\@&N@!T&'51#*!'!@99(+%-!@16+*+-'%'(0%-!+*!
] +78%#!; 152(' +0*!U!S0*-0%'+563!'8#!5*+, #%-+' .>A+1#!7%(15(' #!-5%, #. 3!(*1!A0%D-!
A+'8!1#/(%'6#*'-!05'-+1#!09!'8#!1+, +-+0*':!P5%!099+2#!(4-0!A0%D-!A+'8!-'51#*!'!4#(1#%-!
(*1!-'51#*!'!%#-#(%28%#!0*!'!%0!#2'-!!=8#!28(%!\$#40A!1#60*-%' (' #-!'8#!0, #%(44!
-5%, #. -(16+*+-' #%#1!0, #%!' +6#!!S5%#*#*4. 3!-5%, #. !1 (' (!+-!7('8#%#1!+*!'8#!S(6/5-!
0(\$-!^(-#4+*#!-. -' #6:!!=8+!-!- ' #6!(4-0!'(2D-!/ #90%6(*2#!+*1+2('0%-(*1!%5\$%+2-!

5-#1!A+'8+*'!8#!1+, +-+0*!!&5%, #. -!(%#!(\$4#!'0!\$#!(16+*+-'##1!, +(A#\$!0%'8%0578!(*!
+N01!(//4+2('+0*!
!

L\$()\$+ #-4V!(&)!. '(004&S!

!
=8#!@--#--6#*!c!B#-#(%28!1#/(%'6#*!20*-+-!-!09!'8###!#6/40.##-!(-!05'4+*#1!+*!
'8#!0%7(*+c('0*!28(%!'\$#40A:!
!



!
=8#!&'51#*!@99(+%-!@--#--6#*!S00%1+*('0%!0,##-##-!(44!6(J0%1#2+-+0*-!(*1!
/0J#2'!(-+7*6#*!-!A+'8+*!'8#!1#/(%'6#*!:=8#!S00%1+*('0%!(*1!?'('!@*(4.-!6##!
%#754(%A. !+*!/##-0*!T(-!A#44!(-!,+(!#6(+4U!'0!1+-25--!-528!1#2+-+0*-!(*1!(-+7*6#*!-3!
A8+28!'8#!?'('!@*(4.-!%#4(. -!'0!'8#!-'51#*!#6/40.##3!(-!*##1#1:=8#!?'('!@*(4.-!
+-%#-/0*-+4\$#190%10,##-##+*7!(44!1#2+-+0*-!%#7(%1+*7!2080%-'!(*1!8#(1205*!'(*1!
2044(\$0%('#!A+'8!'8#!S00%1+*('0!%#754(%A.!,+(!#6(+!0%!*!/#%-0*!90%(*.!*##1#1!
+*/5'!:=8#!6(J0%+!.!09!20665*+2('0*!A+'8+*!'8#!1#/(%'6#*!0225%-!,+(!#6(+4!
!

!
=8#!J0\$!%#-/0*-+4+*!#-!90%!(28!1#/(%'6#*!'6#6\$#%!(%#!(-!90440A-a!
!

! '1)\$&'!''00(4+#!''##\$##%\$&'!W!*\$#\$\$(+, -!>66+)4&('6+X!=8#!&'51#*!@99(+%-!
@--#--6#*!S00%1+*('0!/%0,+1#-!0,##-+78!09!'8#!1+,++0*d-!(-#--6#*!
+*+('+, #-!-528!(-!(-+-'*7!1#/(%'6#*!-!+*!1#-+7*+*7!(*1!+6/4#6#*!+*7!
(-#--6#*!/4(*-!:=8#!S00%1+*('0!%-.*'8#-+C#!1('!'0!/%0,+1#!(!
206/%#8#*+,#!0,##,+#A!09!'8#!,(45#!(*1!#99#2'+,##-!-!09!&'51#*!@99(+%-!
/07%(6-!(*1!-##,+2#-!'0!+*##*(4!(*1!#<'##*(4!20*-+'5#*2+##-:=8!
S00%1+*('0!(4-0!6(*7#-'8#!-. -'#6-!90!12044#2'+*73!##%+#,+*73!(*1!-'0+*7!
1('!%#7(%1+*7!-'51#*!'5-(7#!(*1!/%07%(6!#99#2'+,##-!-!!L*(11+'0+*3!'8#!
S00%1+*('0!(-+-'!8#!1+,++0*!A+'8!2%+2(4!-%('7+2!/4(*+*+*7!(*1!
+*+('+, #-!%#4('#!'0!'8#!-5/0%!(1!1+##2'+0*!09!'8#!6+-+0*!09!&'51#*!
@99(+%-:!
! '1)\$&'!''00(4+#!''##\$##%\$&'!3('!'&(/2#X!=8#!&'51#*!@99(+%-!@--#--6#*!
?'('!@*(4.-!'A+4!\$!%#-!/0*-+4\$!90%!'8#!200%1+*('0*3!%(2D+*73!(*1!(*4.C+*7!
09!1('!'A+'8+*!'8#!?+,++0*!09!&'51#*!@99(+%-!+*2451+*7!\$5!'*0!4+6+*#1!'0!
8#(1205*!'1('!'(*1!2080%!'!(2D+*7!!!L*(11+'0+*3!'8#!(*4.-!'A+4!(-+-'!+*!
A%+*+*7!-5%,#.-!566(%!%#/0%-'!(*1!5/1('+*7!'8#!&'51#*!@99(+%-!
@--#--6#*!A#\$/7#!!:=8#!(*4.-!'5/#%,+-#!-'8#!-'51#*!#6/40.##:!
! '1)\$&'!B%V/62\$X!&'51#*!(-+-'(*!'A+4!8#4!/A+'8!7*##*(+*7!60*84.!
%#/0%-'!90%1#/(%'6#*!-!A+'8+*!'&'51#*!@99(+%-!!:=8#-#!%#/0%-'!A+4!+*2451#!

8#(1205*'%#/0%' -!10A*40(1#1!9%06!(1('(\$(-#!(*1!2080%!'!#/0%' -3!A8+28!
(%#!+*' #*1#1!'0!'%(2D!%#'#*'+0*3!eN@-3!(*1!7%(15('+0*!%('#-!:=8#!-'51#*#!

'8#!A0%D!09!'8#!&'51#*'; 6/40. ##!S066+'##!'8(!05%!1#/(%'6#*!'8(-!28(+%#1!-+*2#!
+'-!+*2#/'+'0*!:!!!
!
"##\$##%\$&'!>6%%4''\$\$!
=8#!200%1+*('0%!+-!'8#!28(+%!09!'8#!(--#--6#*!'2066+'##!\$.!/0-+'+'0*!!=8+-!
2066+'##!8(-!\$##*!+*!/4(2#!90%!9+, #!. #(%-:!N%+0!'0!'8('!'+'6#3!'8#!&'51#*!'0#(%*+*7!
P5'206#-!=(-D!Q0%2#!T&OP=QU!A0%D#1!A+'8!+*1+, +15(4-!1#/(%'6#*'-!0*!1#-+7*+*7!
4#(%*+*7!05'206#-:!!&+*2#!+'-!+*2#/'+'0*3!'8#!(--#--6#*!'2066+'##!7#*#%(44. !6##'-!

N1)S\$!

!

=8#!\$517#!90%!05%!099+2#!+!-04#4. !95*1#1!'8%0578!; ce!T; 152('+0*!(*1!e#*#%(4U!
(2205*'-%/0, +1#1!'8%0578!-'('#!95*1+*7:!!^#40A!(%#!28(%'-!8+784+78'+*7!05%!\$517#!
(*1!#</#*1+'5%#-!0, ##!'8#!/(-'!9+, #!. #(%-:!!!

!

!

!

!

!

^517#!9452'5('+0*-%#!#</4(+*#1!\$.!'8#!%#'+%#6#*!'09!(!40*7>'+6#!1#/(%'6#*'
1+%#2'0%!*!?'#2#6\$#%!HGEG!A80!8(1!(!9(+%4. !8+78!-(4(%.:!!&5\$-#_5#*4. 3!(!
0#<#6/'!/0-+'+0*!T'8#!1('(!(*4. -'U!A(-!8+%#1!'0!(-+-'!'8#!S00%1+*('0%!09!
&'51#*!'!@99(+%-!@--#--6#*!'!c!B#-#(%28

'0!2%#('#!(*!(2205*'!A+'8!1+-2%#'+'0*(%. !95*1-!(-!0//0-#1!'0!2%#('+'7!654'+/4#!
'%(*-9#%-:!
!
! @!'8+-'!+6#3!'8#!@--#--6#*!'(*1!B#-#(%28!\$517#'!+*2451#-!95*1+*7!90!
S(6/5-!0(\$-!(*1!'8#!-'51#*!'#6/40. 6#*!'/%07%(6:!!L*'8#!95'5%#3!A#!6(. !A(*!'!0!
20*-+1#%!(4-0!+*2451+*7!/%07%(6!%#, +#A!95*1-!(-!A#44!(-!'80-#!%#4('1!'0!'8#!-A+/#!
/%07%(63!@2251#6+(!'+'8#!@--#--6#*!'(*1!B#-#(%28!\$517#'!!Q5*1-!8(, #!(4-0!\$##*!
8+-'0%+2(44. !'%(*-9#%#1!9%06!'8+-(2205*'!90%!'-'51#*!'!0%7(*+C('+'0*!6(*7#6#*!
/%07%(6-!TS044#7+('#4+*D!+'8#!/'-!'(*1!*0A!P%7&. *2U:!!L9!'8+!A+44!20*'+*5#!'0!\$#!
/(+1!90!9%06!'8+-(2205*'!3!+'!6(. !#\$!8#4/954!0!(4-0!+*2451#!'80-#!95*1-!(!'8#!
\$#7+*+*7!09!'8#!. #(%:!
!
!

E(,4/4'4\$#0!BY14V%\$&'0!(&)!=\$, -&6/6S2!

!

P5%!25%%#*!-/ (2#!(*1!1+-'%+\$5'+0*!09!#6/40. ##-!0, #(44!6##' -!05!*##1-!+*!8#4/+*7!
5-!(28+#, #!05%!1#/(%'6#*' (4!6+--0*!(*1!70(4-:!L*!'8#!/(-'3!05%!-/ (2#!A(-!
0, #2%0A1#13!A8+28!+6/(2'#1!05%!099+2#[-!#99+2+#*2. !(*1!/%+, (2. :!B#*0, ('+0* -!A#%#!
206/4#'#1!+*!Q(44!HGEH!'8('!(440A#1!'8#!1('(!(* (4. -!'!0!8(, #!(!/%+, ('#!099+2#3!(*1!05%!
-'51#*!'#6/40. ##!*0A!-8(%#-!(*!099+2#!A+'8!0'8#%!'-'51#*!'#6/40. ##-!+*!'8#!099+2#!
-5+'#:#!' #!25%%#*4. !10!*0!8(, #!(* . !6(J0%!--5#-!#7(%1+*7!05%!-/ (2#!*0%!10!A#!
(*'+2+/('#!(* . !5*4#--!A#!+*2%#(-#!'8#!+C#!09!05%!-'(99:!!] 0A#, #3!'8+!6(. !28(*7#!+*!
'8#!206+*7!60*'8!A+'8!28(*7#-!(* '+2+/('#1!+*!'8#!1#/(%'6#*':!
!

@44!099+2#-!A+'8+*!05%!1#/(%'6#*!'(%#!(22#--\$4#3!/0, +1#!(!-(9#!#*, +%0*6#*3!(*1!
6##!'8#!@?@!-'(*1(%1-!:=8#!&'51#*!'@99(+%-!@--#--6#*!'S00%1+*('0%[-!P99+2#!(*1!
'8#!?('(!@*(4. -!'!P99+2#!(%#!(1J(2#*!'!0!#(28!0'8#%3!A8+28!20*%'\$5'#-'!0!'8#!#(-#!09!
20665*+2('+0*:] 0A#, #3!05%!-'51#*!'#6/40. ##[-!-8(%#1!099+2#!+-(!'8#!0'8#%!'#*1!
09!'8#!-5+'#:#!L1#(44. 3!A#!A0541!/%#9#%!'8#!-'51#*!'#6/40. ##!099+2#!'0!\$#1240-#%+*!
/0<+6+'. 3!\$5!'8#!-+'5('+0*!+!-+'44!6(*7#(\$4#:#!' #!10!*0!(*'+2+/('#!(* . !28(*7#-!'0!
05%!25%%#*!-'5('+0*':!
!

" #!5/1('#!206/5'##-!A+'8+*!05%!1#/(%'6#*!'0*!(!'8##>. #(%!%0'('+0*':!=8#!
'#28*0407. !+*!05%!1#/(%'6#*!'!+-(1#_5('#!90!6(J0%+'. !09!05%!*##1-!'! #!#(28!8(, #!
05%!0A*!1#-D'0!/206/5'##!(*1!(!/%+*%'#:#!!P5%!'51#*!'#6/40. ##!-8(%#-!8#%!
!

B' -4, (!(&!L\$\$(!* \$#V6Ǥ/4'4\$#!

!

^#2(5-#!09!'8#l4(%7#!4#, #4!09!1('(!05%!1#/(%'6#*!'-'0%#-!A#!8(, #'!0!#*-5%#!'8('!A#!
(%#!-#25%#:#!=0!10!'8+-3!A#!-'0%#!-'51#*!'9+4#-!\$#8+*1!05%!5*+, #%-+'.!407+*!+*!^0<3!
A8+28!+-!(!24051!-'0%(7#!-045'+0*!(, (+(\$4#!'0!#, #%. 0*#!('!8#!+*-'+'5'+0*:#!

" ##\$##%\$&'!(&)!B5(/1 ('46&!

!

=8#!&'51#*'!@99(+%-!>?+, ++0*!9%(6#-!(-#--6#*'!(%05*1!'8#!(-#--6#*'!/ . %(6+13!
A8+28!+-(!20*2#/'!1#, #40/#1!\$. !'8#!@--02+('#!M+2#!N%#-+1#*'3!^%#'!'!N#%OCC+3!A+'8!'8#!
(--+-'(*2#!09!'8#!&'51#*'!@99(+%-!@--#--6#*'!S00%1+*('0%!!!=8#!/%07%(6!%#, +#A!
/%02#--!!#*206/(-#-!!(44!905%!4#, #4-:

=8#!-#20*1!-'(7#!A+'8+*!'8+-!4#, #4!09!'8#!/.%(6+1!+-!'8#!%(2D+*7!09!1#607%(/8+2!
+*90%6('+0*!!L*(11+'+0*!'0!5*1#%- '(*1+*7!'8#l4#, #4!(!'A8+28!/07%(6-3!-#%, +2#-3!
(*1!9(2+4+'#-!(%#!5-#13!1#607%(/8+2!+*90%6('+0*!2(*!\$#!0\$'(+*#1!'0!#</4(+*!A80!+-!
20*-56+*7!'80-#!%#-05%2#-!!" 8('!. /#-!09!-'51#*'-'! (%#!5-+*7!(!/(%'+254(%!/%07%(6!
0%!-#%, +2#h!!?0#-!'8+-!-8#1!4+78!0*!A8. !0%!80A!'8#!/%07%(6!2(*!\$#!#*8(*2#1!0%!
6(%D#'#1h!!Q0%!#<(6/4#3!(%#!/%+6(%+4. !5-+*#--!'51#*'-'!5-+*7!S(%###!&#%, +2#-3!(*1!
80A!2(*!'8('!8#4/'!8#!-'(99!6(%D#!'(*1!1#4+, #%!2(%##%/!%07%(6-h!@%#!A#!-#%, +*7!
5*1#%#%/!%#-#*'#1!/0/54('+0*-!A+'8!'8#!9%#_5#*2. !(*1!+*'!8#!A(. -!A#!1#-+%#!0%!
/%060'#h!!!

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L*(11+'+0*!'0!7('8#%+*7!'8#-#!1('(!A+'8+*!'8#!1+, +-+0*3!A#!(4-0!(77%#7('#!'8#!0, #%(4!
9+75%#-!(* *5(44. !90%!1+, +-+0*!(*1!5*+, #%-+'. !%#/0%' +*7!/5%/0-#-:!
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L\$5\$/!@X!!A\$\$)#!"##\$##%\$&'!(&)!. ('4#0(,'46&!!
L*!'8+-!601#43!7('8#%+*7!1('!0*!-'51#*!'*##1-!(-!A#44!(-!'8#+%!4#, #4!09!-('+-9(2'+0*!+-!
+*'#7%(

!
=8#!(--#--6#*!(*1!%#-#(%28!099+2#!20*152'-!-5%, #. -!/%+6(%+4. !90%!8#!&'51#*!
@99(+%-!)?+, +-+0*`!80A#, #%3!A#!(4-0!20*-54!A+'8!0'8#%!(%#(-!(2%0--!2(6/5-!!=8#!
7%(/8!(\$0, #!-80A-!'8#!*56\$#%!09!-5%, #. -(16+*+-'#%#1!0, #%!8#!/(-'!905%! #(%-:!!
" 8+4#!'8#!&'51#*!&522#--!S#*#%!T402('#1!A+'8+*!@2(1#6+2!@99(+%-!+*!!; *%0446#*!
&#%, +2#-U!(16+*+-'#%#-!-5%, #. -!'8%0578!05%!-. -'#63!A#!10!*0'!20*-54!A+'8!'8#6!+*!
-5%, #. !1#-+7*!!@-!-5283!8+-!+-\$%0D#*!05'!+*!'8#!7%(/8:!

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L\$5\$!/@@!@&# '4' 1' 46& (!/@&) 4, ('6+#!
=8+-!4#, #4!9025-#-!0*!%#2%5+'6#*3!%#'#*'+0*3!(*1!7%(15('+0*!+*!-'51#*!(99(+%-!
(--#--6#*!:=8#!2%#('+0*!(*1!%(2D+*7!09!-'51#*!2080%-'!A+'8+*!2#%#('+!/%07%(6-!
0!-%#, +2#-!(--+'-!A+'8!1#60*-!'(%'+*7!-522#--!+*!%#2%5+'6#*3!%#'#*'+0*3!(*1!
7%(15('+0*!!&'51#*-'!/(%'+2+/'+'7!+*!&'51#*!@99(+%-!/%07%(6-!(*1!-%#, +2#-!2(*!\$#!
'%(2D#1!0, #%!'+6#3!(*1!'8#%!/##90%6(*2#!2(*!\$#!%#, +A#1!+*!%#4('+0*!0!-+6+4(%!
-'51#*-'!0!/%0, +1#!(*!0, #%(4!6#(-5%#!09!-522#--!+*!'8#-#!(%#(-:!

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Y(*. !/%07%(6-!(*1!-%#, +2#-!4#*1!'8#6-#4, #-!*('5%(44. !'0!'8#!2%#('+0*!09!407+2(4!
-'51#*!'2080%'-:!!&'51#*!'70, #*6#*3!e%##D!4+9#3!(*1!-'51#*!'0%7(*+C('+0*!099+2#%-!
(%#!#(-+4. !+1#*'+9+(\$#3!(-!(%#!8+78!-2800!-#*+0%-!+*, 04, #1!+*!2044#7#!05'##(28!
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4#, #4!09!'8#!/. %(6+13!+!+!/-!0--+\$4#!'0!400D!\$%0(14. !('!(44!5-#%-!09!/%07%(6-!(*1!
-#%, +2#-3!(*1!(4-0!(!-/#2+(4+C#1!0!'(%7#'#1!/0/54('+0*-!09!-'51#*-'!A+'8!A806!-'(99!
6#6\$#%-'!A0%D!240-#4. !(*1!%#754(%4. :!

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S080%!'1('(!+-!0*4. !2(/'5%#1!('!0*#!/0+*!'15%+*7!'8#!. #(%:!!" #!8(, #!%#2#*4. !*0'#1!
'8('!A#!A+4!(4-0!2(/'5%#!'8#-#!1('(!15%+*7!'8#!-/%+*7!(-!A#44:!!@*0'8#%!+-5#!+!'8('!
-'51#*-'!6(.\$!#!2(/'5%#1!654'+/4#!'6#-!+9!'8#. !%#6(+*!+*!(!2080%'!90%!654'+/4#!
. #(%-:!!" 8+4#!+!'A0541!\$#!*+2#!'0!-'%52'5%#!#(28!2080%!(?!(19%#-86(*!2080%'!0%!'0!
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09!'8#!-/%+*7!-#6#-'#%:!!=8+-!+-!(4-0!A8#*!-'(+9(2'+0*!1('(!%#!(77%#7('1:!!!

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&5%,#. !+*90%6('+0*!1+-#6+*('+0*!, (%+#-:!!" 8+4#!1#/(%'6#*'-!8(, #!+66#1+('#!
(22#--!'0!+*90%6('+0*!7('8#%#1!+*!-5%,#. -3!4(%7#%!5*+, #%-+'. !A+1#!-5%,#. -!'(D#!(!
4+'4#!40*7#%!'0!206/4#'#!&5%,#. !-566(%+#-!(%#!2%#('1!#(28!-#6#-'#%!90!'8#-#!
-5%,#. -:!!=8#-#!(%#!/'0-'#1!0*!'8#!(-#--6#*!'A#\$-+'#3!(*1!1('!9%06!'8#!-5%,#. -!
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A8#*!-/#2+9+2!+*90%6('+0*!+-(, (+(\$4#:#!!L*'8#!/'-3!'8+-!+*90%6('+0*!8(-!\$##*!-8(%#1!
A+'8!/%#-+1#*![-!205*2+!(*1!('!1+%#2'0%!(^*1!/%07%(6!8#(1!6##'+*7-!A+'8+!&'51#*!'!
@99(+%-!(^*1!-'44!+-!/#%+0!+2(44. :!!?'('!8(, #!(4-0!\$##*!-8(%#1!A+'8!9025-!7%05/-!09!-'(99!
+*!'8#!1+, +-+0*!+*!'8#!/'-3!\$5!'!8+-!0*4. !0225%#1!15%+*7!0*#!. #(%:!

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L*'8#!95'5%#3+!A0541!\$#!\$#*#9+2+(4!'0!8(, #!(!-#!'6#'#01!09!1+-#6+*('+0*:'!!" 8+4#!A#!
8(, #!8+-'0%+2(44. !10*#!A#44!A+'8!-'(99!(*1!9(254'. 3!8(, +*7!60%#!+*'#*'+0*(4+'. !A+'8!
-'51#*'-!A0541!\$#!8#4/954:!!" 8+4#!-'(+-'2-!(%#!-8(%#1!0*!'8#!A#\$-+'#3!'8#%#!(%#!*0!
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\$##*!(''#6/'#1!\$5!'*0!'6(+*'(+'#13!(*1!+*!'8#!+*'+(4!-5%,#. !6(+*7-!90%!(!9#A!
-5%,#. -3!(!4+*D!A(-!-8(%#1!(-!0!A8#%#!-'(+-'2-!A0541!\$#!/'0-'#1!(9#%!'8#!-5%,#. !
(16+*+-%('+0*!'6#:#!!&8(%+*7!-5%,#. !1('(!(*1!28(*7#-!6(1#!\$(-#1!0*!(-#--6#*!'!
9+*1+*7-!A+'8!-'51#*'-!+-!(*!(%#!(+*!A8+28!05!099+2#!2(*!A0%D!'0!+6/%0, #!+*!'8#!
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