

! ! ! ! !

'#\$%&' \$!!

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\$%&'!(%) '&*'+, - ./0 1 ,20!(34&*)!.25!67&5,4&2,!8 .27.4!&'!&20,25,5!03!-/39&5,!./, : ,/ ,2* ,!3:!
+ , - ./0 1 ,20!-34&*& , '! .25!- /3* ,57/ , '! :3/!&2:3/1 .0&32!3:!.44!'0. ; ,%345 ,/'<! =0!&'!/, *3>2&?,5!0% .0!
' - , *&.4!*&/*7 1 '0.2* , '@!230!5&/, *04)! .55/ , ' ,5!A)!0% ,!8 .27.4!./ ,!4& ; ,4)!03!./&' ,!:/3 1 !0& 1 ,!03!
0& 1 ,<,\$% ,!8 .27.4!&'!230! 1 , .20!03!*32'0/ .&2!0% ,!+ , - ./0 1 ,20B'!.A&4&0)!03!/, . *0!&2!0%3' ,!
*&/*7 1 '0.2* , '! .25!&0!&'!725 ,/'0335!0% .0!5 ,9&.0&32'!:/3 1 !-34&*& , '!3/!>7&5,4&2 , '@! 1 .5 ,!&2!>335!
: .&0%!A)!0% ,!C% .&/!3/!A)! : . *740)!3:!0% ,!+ , - ./0 1 ,20@! 1 .)!A ,!2 , * , ' ' ./)!32!3** . '&32<!

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

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"23456!789!1 :49;348;<!>2>!&??248@A;8@B!#;7??248@A;8@!789!#78C!2=!!&9D:85@B!#;<;7>5EB!
789!F;==;><28!)7G!%75:3@6!!

!

E,9&'&32!+.0,F!G,A/7./)!#@!"HIJK!L*03A,/!M@!"HIMK!"HII!
N--/39,5!A)F!G.*740)!

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-H!-8@>29:5@428!

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\$%,!5,-./01,20!-/,'204)!%.'!0%/,,!*0,>3/&,'!3:!:.*740)!0%.0!./,!230!32!:7440&1 ,@!0,27/,5!3!
0,27/,00/.*!;-3'&0&32!'!P2320/,>74./!:. *740)!1 ,1A,/ 'QF!

!

NQ!N5R72*0!G.*740)!
SQ!E,'./%*!G.*740)!
CQ!T,::,'/32!U.A!G.*740)!

!

C.0,>3/)!NQ!&'!7/0% ,/!'7A5&9&5,5!&203!!
N.Q!N5R72*0!G.*740)!0!(/& 1 ./)!N::&4&.0&32F!\$, . *%&2>!
NAQ!N5R72*0!G.*740)!0!(/& 1 ./)!N::&4&.0&32F!E,'./%*!
. '!4&'0,5!32!0%,!5,-./01,20.4!V,A'&0,<!

!

\$%,!3443V&2>!--34&*&,'!.25!>7&5,4&2,'!>39,/2!0% ,!&2&0&.4!!--3&201,20@!&2&0&.4!.' '&>21,20!3:!
/.2;@!/,2,V.4W*320&27.0&32!3:!:.:&4&.0&32@!.25!-/3130&32!&2!/.2;!:3/!.44!:37/!0)-,'!3:!:.*740)!<!

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--H!1;8;>73!1:49;348;<!

!

IQ!N44!&2&0&.4!!--3&201,20!'!3:!:.*740)!&2!32,!3:!0% ,!D!0)-,'!5,'*/&A,5!.A39,!,X7&/,!.!930,!3:!
0% ,!744!/,>74./!:. *740)!@!03!A,!*3257*0,5!A)!0% ,!+,-./01,20!C% .&/<!&0!&'!,Y-,*0,5!0% .0!0% ,!C% .&/!
V&44!0.;,!0% ,!/, '740!3:!0%&'!930,!25!.2)!*311,20!'&203!*32'&5,/.0&32@!A70!0% ,!740&1.0,!5,*&'&32!
&'!%&'!3!/, /!'!P&2!*32'740.0&32!V&0%T,::,'/32!U.A!V% ,/ ,!!--/3-/&.0,Q<!

!

"Q!:=!0% ,!&2&0&.4!/.2;!:3:!.2!!--3&201,20!&'!230!.0!0% ,!4,9,4!3!PN5R72*0WE,'./%*WT,::,'/32!U.AQ!
N' '&'0.20!(/3:,' '3/@!0% ,!/,4,9.20!+,-./01,20!(/3130&32!.25!\$,27/,!C311&00,!,V&44!/,9&,V!
0% ,!* .25&5.0,B'!* /,5,20&.4!'!.25!-/3-3',!0% ,!!--/3-/&.0, /!/.2;!03!0% ,!+,-./01,20!C% .&/<!\$%&'!
5,0,/1&2.0&32!'!%3745!A,!1.5,!. *3/5&2>!03!0% ,!74,'!3704&2,5!A,43V<!

!!

#Q!N44!2320/,>74./!:. *740)!1,1A,/!'!4&'0,5!&2!<!'!%3745!A,!,/9&,V,5!P.0!4,.'0Q!32*,!,9,/)!#!
) ,./!'!.25!0% ,&/!!--3&201,20!,&0% ,/!'!320&27,5!3/!0,/1&2.0,5<!\$,!-/&1./)!/,'-32'&A&4&0)!3/!0%&'!
/,9&,V!.25!0% ,!&2.4!5,*&'&32!4&,'!V&0%10% ,!+,-./01,20!C% .&/!P&2!*32'740.0&32!V&0%T,::,'/32!
U.A!&2!0% ,!*.' ,!3:T,::,'/32!U.A!G.*740)Q!<!&0!&'!,Y-,*0,5!0% .0!0% ,!C% .&/!V&44!'34&*&0!0% ,!
*311,20!'!.25!930,'!P.'!!--/3-/&.0,Q!3:!.44!/,>74./!:. *740)!1,1A,/!'!'!&2-70!A,:3/,!1.;&2>!
&'!3!/, /!5,*&'&32<!!

!

DQ!N2)!-/3130&32!&2!/.2;@!,&0% ,/!'!-/0!3:!0% ,!#0),./!/,9&,V!P',,!#Q!3/!&2&0&.0,5!32!/,X7,'0!A)!
0% ,!:. *740)!1,1A,/!'!2!X7,'0&32@!V&44!% .9,!03!A,!*32'&5,/,5!A)!0% ,!/,4,9.20!-/3130&32!.25!

!

0,27/,!*3 1 1 &00,, '! .25!:3443V!0%,!/74, '!3704&2,5!A,43V<!

/, '-,*0&9,4)@!03!@A/, +\$(I-22-*\$/&(B+%/#/&+=(688--*+%/*()+8#=#/?@!I-22-*\$/&(3+47!.25!I-22-*\$/&(3+4(56\$\$#\$%+&%7(6\$\$/8#+% -9(: */2-\$\$/*!&2! .**3/5!V&0%!0%,!IbbJ! 8 L a<!c 30,! .4'3!0%.0!0%,/, !&'!23! 432>, /! .2)!7-- ,/!4& 1 &0!32!0%,!27 1 A,/!3:!!T,::,/'32!U.A!PN''&'0.20@!N''3*&.0,Q!(/3:, '3/'!0%.0! * .2!A,!. --3&20,5<!

!
8 35,4!:3!/T,::,/'32!U.A!(/3:, '3/'%&-F!

!
I< \$%&'! -3'&0&32! &'! .! R3&20! .--3&20 1 ,20! 03! 0%,! :.*740)! 3:!! 0%,! L45! +3 1 &2&32!
a2&9,/'&0)!+ , -./0 1 ,20!3:!(%) '&'!3:!!- ,/'32!V%3!&'!./, >74./! 1 , 1 A,/!3:!!0%,!
` a ENWT,::,/'32!U.A! '*&,20&:&*! '0.::<!! =0! 1.)! A,! 1 .5,! .0! .2)! 3:!! 0%,! 0%/,,!
-/3:, '3/&.4!/ .2; '@!.25!0%,!- ,/'32! .--3&20,5!V&44!A,!5, '&>2.0,5! .'!T,::,/'32!U.A!
PN''&'0.20@!N''3*&.0,Q!(/3:, '3/<

!
" < \$%,! '.4./)! .25! :/&2>,! A,2, :&0'! 3:!! 0%,! &2*7 1 A,20! V&44! A,! - .&5! ,20&/,4)! A)!
` a ENWT,::,/'32!U.A<!

!
#< N!T,::,/'32!U.A!PN''&'0.20@!N''3*&.0,Q!(/3:, '3/'!&!230!,4&>&A4,!:3/!0,27/,!.0!L45!
+3 1 &2&32! a2&9,/'&0)<!

!
D< \$%,!&2&0&.4!0, / 1 !3:!!0%&'!R3&20! .--3&20 1 ,20!&'!3/!0%/,,!), ./'<!!\$%,! .--3&20 1 ,20!&'!
/,2, V.A4,! '7AR,*0!03!0%,!C320&2>,2*&,!'!0.0,5!.A39,! .25!*320&27,5!' .0&':.*03/)!
-,/:3/ 1 .2*,!A)!0%,!&2*7 1 A,20<

!
Z< \$%,!&2*7 1 A,20!'%.44!,2R3)! :744!/&>%0'!.25!- /&9&4,>, '!3:!!.:.*740)! 1 , 1 A,/!3:!!L45!

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b<

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J

"23456!28!\$J73:7@428!2=!*;75E48K!!"2>@=2342!#;J4;M!

!

E,9&'&32!+.0,F!N7>7'0!I#@"HIM@!G,A/7./)!"@"HHM!

!

N**3/5&2>!03!0%,!G.*740)! [.25A33;@!0%,!,9.47.0&32!3:!:.*740)!0,.*%&2>!17'0!&2*475,!.!\(, ,/!

E,9&,V!3:!(3/0:34&3<]!!\$%,!:/,X7,2*)!3:~-3/0:34&3!/,9&,V!&'!5&*0.0,5!. '!:3443V'F!

!

\$%,!-3/0:34&3!'%3745!*320.&2!0%,!:3443V&2>!1.0,/&.4'!.25!A,!:3/1.00,5!.'!&25&* .0,5!A,43V<!
c 30,!0%.0e!\ '075,20!3-&2&32!'7/9,)'!./,!*32'&5,/,5!&2!0%,!.227.4!/,9&,V! .25!./,!230!.-./0!3:!
0%,!0, . *%&2>!-3/0:34&3!/,9&,V<]!

IQ S/&, :!`7 1 1 ./.)!
!

N!'7 1 1 ./.)!4&'0!3:!.44!*37/' , '!0.7>%0!57/&2>!0%,!- ,/:3/1 .2* ,!- ,/&35<!G3/!, . *%!*37/' ,!&2*475,!
0%,!:3443V&2>!&2:3F!

- 0 c . 1 ,!.25!27 1 A, /!3:!0%,!*37/' ,!
- 0 ` , 1 , '0, /!.25!\$& 1 ,!V% ,2!0%,!*37/' ,!V . '!0.7>%0!
- 0 C/,5&0!%37/'!!
- 0 c 7 1 A, /!3:!'075,20'!!
- 0 \$%,!39,/.44!=2'0/7*03/!_::, *0&9,2, '!'`*3/,!P f 7, '0&32!IHQ!:/3 1 !0%,!`075,20!L -&2&32!
`7/9,)'!!
- 0 =:!V, A'&0, !&'!7' ,5!03!-3'0!&2:3/1 .0&32!g!&2*475, !0%, !V, A!.55/, '!'!

!
C320,20!3:!0%,!\$, . *%&2>!(3/0:34&3!
!

G3/!.44!*37/' , '!-/39&5, !0%,!:3443V&2>F!

- 0 C37/' ,!=2:3/1 .0&32!&2*475&2>!\`)44. A7'!!
- 0 E, -/, ' ,20.0&9,!, Y. 1 -4, !3: !U, *07/, !c 30, 'h!
- 0 [3 1 ,V3/;!N' '&>2 1 ,20'!.25!'3470&32'h!
- 0 C3-)!3:!, . *%!_Y. 1 !&2*475&2>!G&2.4!.25!30%, /!0, '0&2>!1 .0, /&.4&!&:!. - -4&* .A4, h!
- 0 G&2.4!>/.5, !5&'0/&A70&32!:3/!, . *%!*37/' ,!0.7>%0!
- 0 !P3-0&32.4Q!N2)! .55&0&32.4!/,4,9.20!&2:3&!&2!- ./0&*74./!3/&>&2.4!*7//&*747 1 !5,9,43- 1 ,20<!!

!
h=:!0%,!' . 1 ,!*37/' ,!V . '!0.7>%0! 1 3/, !0%.2!32*,!57/&2>!0%,!- ,/:3/1 .2* ,!- ,/&35@!324)!32,!
' ,0!3: !0%, ' ,!53*7 1 ,20'!2, ,5'!03!A,9 8 -939(1 T f [(\$)9.920.2(2>1000.24)0.2(*50354.9Q0.24 1 25n)0.2(Q.24

1 :49;348;<!28!@E;!' >4@;>47!=2>!\$J73:7@428!2=!.5E237>36!&5@4J4@6!789!#;<;>7>5E!

!

E,9&'&32!+ .0,F!T.27./)!Ib@!"HIZ!

!

">;7AG3;!!

N2)!:.&!/!.25!1 ,.2&2>:74!,9.47.0&32!3:!0% ,!'*%34./4)!..25!/, ',./%!. **3 1 -4&'% 1 ,20'!3:!.! :.*740)!1 , 1 A,/!/,X7&/, '!..!X7.4&0.0&9,!R75>1 ,20!A.' ,5!32!,Y-,/0&',!.25!.V./,2,'!3:!0% ,! *&/*7 1 '0.2*, '!72&X7,!03!,.*%!'7A:&,45<! i %&4,!X7.20&0.0&9,!5.0.!P'7*%!. '!27 1 A,/!3:!
-7A4&*.0&32'@!*&0.0&32'!3!/030.4!>/.20! 1 32,)!/, *,&9,5Q! 1 .)!-/39&5,!7' ,:74!&2-70!:3/!'7*%!.!
R75>1 ,20@!-7/,4)!27 1 ,/&* .4!'*3/, '!*.2230!.5,X7.0,4)!/, :4,*0!0% ,!X7.4&0)@!A/, .50%!.25!5,-0%!3:!
.:.*740)!1 , 1 A,/B'!/, ',./%!.25!'*%34./4)!.*0&9&0&,'<!=2!0%&'!53*7 1 ,20@!V,!4&'0!'3 1 ,!3:!0% ,!
1 3/,!*3 1 1 32!&25&*.03/'!3/!..'7**,'':74!/, ',./%!* ./, ,/@!-700&2>!. /0&*74./!, 1 -% . '&'!32!5.0.!
0%.0!/, -/, ',20!0% ,!,Y-4&*&0!3/!& 1 -4&*&0!/, *3>2&0&32!3:!0% ,!:. *740)!1 , 1 A,/B'!/, ',./%!,Y*,44,2* ,!
A)!0% ,!2.0&32.4!.25!&20,/2.0&32.4!*3 1 1 72&0)!3:!,/!3/!%&'!-, ,/'<! a40& 1 .0,4)@!&0!&'!0% ,!
,9.47.03/B'!0.' ;!03!-70!0% ,',!&25&*.03/'!&203!*320,Y0!.25!./&9,!.0!.-/3-,/!V,&>%&2>3:!.44!0% ,!
,9&5,2* ,!-70!:3/0%!03!./&9,!.0!..'!3 1 -/,%,2'&9,!.--/.&' .4!3:10% ,!:. *740)!1 , 1 A,/B'!'& ,20&:&*!
'*%34./'%&-<!!

!

I"

Z< [323/'@!.V./5'@!:,443V'%&- '@!.25!2. 1 ,5!-/&?, '!.'!V,44!. '!30%,/!/, *3>2&0&32!!A)!
-/3:, '&32.4!.25!' *%34./4)!3/>.2&?.0&32'<!!!

M< _4,*0,5!4,.5,/'%&-!/34, '!&2!-/3:, '&32.4!'3*0&, '!P, <>@!N(`!5&9&'&32!3::&*, /Q!! .25!
/, ', ./ *%!*344.A3/.0&32'<!!!

J< (, ,/!/,9&,V,/!3:!/>/.20!-/3-3'.4'!.25!-7A4&* .0&32!'7A 1 &'&32'@!3/! 1 , 1 A,/'%&-!32!
,5&03/&.4!A3./5'!:3/!4, .5&2>' *0&,20&:&*!R37/2.4'<!!!

d< ` ,4,*0&32!. '!*32:./,2*,!3/>.2&?,/0!*329,2,/!3/!-/3*, ,5&2>'!,5&03/<!!!

b< ` ,4,*0&32!:3/!-.2,4'!.59&'&2>!0%, !: ,5,/.4!3/!'0.0, !>39,/2 1 ,20!32!' *0&,20&:&*!&'7, '@!3/!
2.0&32.4!4.A'!.25!0%, &!>39,/2&2>!A3./5'<!!!

IH< \$.2>&A4, !/, '740'!4&; ,!- .0,20'@!5,9&*, '@!-/3*,57/, '@!'3:0V./, @! 1 .27.4'@!0, Y0A33; '!.'!

"23456!=2>!O;8@2>48K!789!\$J73:7@428!2=!) ;5@:;>;<!

!

E,9&'&32!+.0,F!G.44!"H"#!

!

=2!*32'&5,/k2>10%,!1,203/k2>!.25!,9.47.0&32!3:14,*07/,/'!&0!&'!&1-3/0.20!03!A,./!&2!1&25!0%,!
9.47.A4,!*320/&&A70&32!0%,)!1.;,!03!0%,!0,. *%&2>!&2!0%,!+,-./01,20<!G7/0%,/!0%,!0)-&*!.4!
4,*07/,/'*./&,'!.!9,/)!,.9)!0,. *%&2>!43.5!.25!3:0,2!0,. *%,!'!0%,!&20/357*03/)!*4.'',!'!V&0%!
1.2)!:/,'%1,2@!V%3!53!230!.4V.)'!%!.9,!,/,'.32.A4,!,Y-,*0.0&32'!3:10%,&!&2'0/7*03/<!0!'%3745!
A,!0%,!+,-./01,20!-34&*)!230!324)!03!132&03/!0%,!4,*07/,/'!A70!.4'3!03!.*0&9,4)!!,2>.>,&2!
,2*37/.>&2>10%,!4,*07/,/B'!*./,!,/5,9,43-1,20<!5,.44)!@!,. *%14,*07/,/'%3745!A,!. '!'&>2,5!..!
:. *740)!1,203/!03!%,4-!V&0%!'&&'!-/,-./0&32!:3!/-/3130&32<!

!

.@7897>9<!=2>!">2A2@428!@2!.;842>!) ;5@:;>;>2>!O7<@;>!) ;5@:;>;>!

!

U,*07/,/'!:. *740)!-./:3/1.2*,!&'!,9.47.0,5!.*3'!'0%/,,!531.&2'F!0,. *%&2>@!'!/9&*,@!.25!
-/3:,'&32.4!5,9,43-1,20<_9&5,2*,!3:!,Y*,44,2*,!*2!A,!5,132'0/.0,5!&2!.!9./&(0)!3:V.)'K!
0%,/,/:3/,!0%,!,!9&5,2*,!'7--3/0&2>!*.'',!'!3!/-/3130&32!&'!,Y-,*0,5!03!9./)!*.'',!A)!*.'',<!

!

_9&5,2*,!3:!'&>%0X7.4&0)!0,. *%&2>!&2*475,'!32'&'0,204)!:.93/.A4,!'075,20!.25!-.,/!
,9.47.0&32'!P&<,<@!'075,20!3-&2&32!'7/9,)'!.25!-3/0:34&3!/,9&V'Q!3/!&1-39,1,20!39,/!0&1,<!
6/,./0,/'!V,&-&0!&'!-4.*,5!32!-.,/!,9.47.0&32'!A,*7',!0%,)!&2*475,!.2.4)'&'!3:!'37/'!,*320,20!
1.0,/k.4'!.25!-39&5,!,9&5,2*,!3:!'-/3:&*k,2*)!&2!0,. *%&2>!.25!-.,5.>3>k*.4!/&>3!/P,<<@!*/,.0&9,!
.25!,2>.>&2>!. *0&9&0&, '@!5,9,43-1,20!3:!'3/&>k2.4!&2'0/7*0&32.4!1.0,/k.4'!@!0,. *%&2>!-/.*0&*,!
&2:3/1,5!A)!5.0.@!344.A3/.0&9,!0,. *%&2>@!.25!-./-3-/k.0,!'&>3/!&2!. '!'&>21,20'Q<N--4&*.20!
'%3745!5,132'0/.0,!'>3V0%!25!5,9,43-1,20!&2*475&2>!-.,5.>3>k*.4!&1-39,1,20'!.25!
&2239.0&32'!P,<<@!2!.AA/,9&0,5!0,. *%&2>!-%&43'3-%)!4&2; ,5!03!*%.2>,'!&2!. '!', '1,20@!
,2>.>,1,20@!,0*Q<!!!

!

_9&5,2*,!3:!'&>%0X7.4&0)!-3:,'&32.4!'/9&*,!&2*475,'!1, ,0&2>!,Y-,*0.0&32'!3:!, '!',20&4!
5,-./01,20!570&,'!P'7*%!.'!.59&'&2>Q!.25!.*0&9,!-./0&*&- .0&32!&2!:.*740)!>39,/2.2*,!P,<<@!
:. *740)!1, ,0&2>'@!320/&&A70&2>!03!',./*%, '@!,0*Q<!N55&0&32.4!'7A'0.20&9,!'!/9&*,!.!0!0%,!
+,-./01,20!@!C344,>,@!a2&9,/'&0)!@!3!/-3:,'&32.4!4,9,4!&'!.4'3!,2*37/.>,5!\$%&'!1.)!&2*475,!
'!/9&*,!32!*311&00, '@!3/1.4!*320/&&A70&32'!03!/,*/7&01,20!.25!/,0,20&32!3:!'075,20'@!3:7/0%,/!
-./0&*&- .0&32!&2!:.*740)!>39,/2.2*,@!-./0&*&- .0&32!&2!'/9&*,!. *0&9&0&,!'!3:!'-/3:,'&32.4!
'!3*&.0&32'@!.55&0&32.4!.59&'&2>!. *0&9&0&, '@!.25!7//&*7471!.25!-3>/.1!5,9,43-1,20!

!

U,*07/,/'!./,!230!7'7.44)!!,Y-,*0,5!03!1,203/!725,/>/.57.0,!3!/>/.57.0,!'075,20'!&2!/,',./*%!
-/3R,*0'@!A70!0%&'!'%3745!A,!',,2!.'!.!9.47,5!3:1!3:!'!/9&*,<!=2!-./0&*74./!'7**,'':744)!
1,203/k2>!'075,20'!3!/-%)'&*!'!,2&3/!0%, '&'!-/3R,*0'!'%3745!*,/0.&24)!A,!,>./5,5!.'!.2!
&1-3/0.20!*320/&&A70&32!03!0%,!0,. *%&2>!-3/0:34&3!3:10%,!4,*07/,/!

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=2!3/5,/!03!A,!,::,*0&9,!&2!0%,',!/34,'!.25!*32'&5,/k2>10%,!%,.9)!0,. *%&2>!43.5'@!&0!&'!7>>,'0,5!
0%.0!0%,!271A,/!3:!'311&00,!,!'&>21,20'!'%3745!230!,Y*, ,5!0%/,,!.25!0%.0!&:10%,!4,*07/,/!%.'!
.!1.R3/!.59&'&2>!-3'&0&32!0%.0!0%,!4,*07/,/'%3745!A,!*32'&5,/,5!3/!.'!37/'!/,4,.',<!

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_9&5,2*,!3:!'&>%0X7.4&0)!-3:,'&32.4!5,9,43-1,20!*2!&2*475,!.!9./&(0)!3:!. *0&9&0&, '@!'7*%!.'!
1,1A,/'%&-!&2!/,4,9.20!-3:,'&32.4!'3*&,0&, '@!.00,25&2>!*32:./,2*,!P,<<@!/,',./*%@!0,. *%&2>@!

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3/!.59&'&2>!:3*7',5Q@!.00,25&2>!0,. *%&2>0:3*7',5!V3/;'%3-'!3!/V,A&2./'@!,2>.>&2>!&2!/,',./!*%!
P03!5,,-,2WA/3.5,2!;23V4,5>,!3:15&'*k-4&2,0'-,*k:k!*320,20Q!(/3:,'&32.4!5,9,43-1,20!
:3*7',5!32!5&'*k-4&2./)!*320,20!;23V4,5>,@!-,5.>3>)@!5&9,/'&0)!&'7,'@!.25!
.59&'&2>W1,203/&2>!../,!.44!9.47,5<!!=0!&'!&1-3/0.20!03!-/39&5,!*31-,44&2>!9&5,2*,!3:!
-/3:,'&32.4!5,9,43-1,20!0%/37>%!0%,',!;&25'!3:!. *0&9&0&,'@!A70!&0!&'!230!,Y-,*0,5!0%.0!.44!
-3''&A4,!;&25'!3:!.9&5,2*,!4&'0,5!%,/,!./,!-/,'20!(/3130&32!-3/0:34&3!'!%3745!1.;,!*4,./!
%3V!0%,!:. *740)!1,1A,/!%.'!7',5!-/3:,'&32.4!5,9,43-1,20!03!'0/,2>0%,2!0%,&!/!-/3:,'&32.4!
-/. *0&*,<!
!
_9&5,2*,!3:!/!-3130&32!03!` ,2&3!/U,*07/,/!,X7&/,'!-/3:k*k,2*)!.25!*31-,0,2*,!&2!.44!
531.&2'!3:!0,. *%&2>@!' /9&*,@!.25!-/3:,'&32.4!5,9,43-1,20@!.!V,44!.!03!,Y*,,5!,Y-,*0.0&32'!
&2!.0!4,.'0!32,!3:!0%,',!531.&2'<!` ,/9&*,!*320/&A70&32'!V&0%&2!0%,!5,-./01,20!./,!7:;&k&,20!:3/!
-/3130&32!03!` ,2&3!/U,*07/,/<!!!
!
(/3130&32!03!8.'0,/!U,*07/,/!,X7&/,'!*320&27,5!-/3:k*k,2*)!.25!*31-,0,2*,!&2!.44!531.&2'!
3:!0,. *%&2>@!' /9&*,@!.25!-/3:,'&32.4!5,9,43-1,20<N!*/&0&*.4!,Y-,*0.0&32!:3/!-3130&32!03!
8.'0,/!U,*07/,/!&'!.'71-0&32!3:!.4,.5,/'%&-!/34,'<!!\$%&'!1.)!&2*475,!*%.&/&2>!*311&00,, '@!
0.;&2>!32!.51&2&'0/.0&9,!72*0&32'@!.25!-/39&5&2>!1,203/'%&-@!.!V,44!.!30%,/!4,.5,/'%&-!
/34,'<!!8.'0,/!U,*07/,/'!* .2!5,132'0/.0,!1,203/'%&-!0%/37>%!0%,&!/!V3/;!V&0%!R72&3/!:. *740)@!

1 # & 0 (& * \$! ' # , 1 # & O ! ' ,) - ' - \$. ! & / 0 ! 1 (- 0 \$) - / \$. !

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" 2 3 4 5 6 ! 2 8 ! @ E ; ! 1 > 7 9 : 7 @ ; ! . @ : 9 ; 8 @ ! . " \$ & P ! * ; < @ !

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E , 9 & ' & 3 2 ! + . 0 , F ! N - / & 4 ! " I @ ! " H " H !

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c 3 2 0 _ 2 > 4 & ' % ! ' - , . ; & 2 > ! > / . 5 7 . 0 , ! ' 0 7 5 , 2 0 ' ! 1 7 ' 0 ! - . ' ' ! 0 % , ! ` (_ N j ! \$, ' 0 ! V & 0 % & 2 ! 3 2 , !) , . / ! 3 : ! 0 % , & / !
' 0 . / 0 ! 3 : ! > / . 5 7 . 0 , ! ' * % 3 3 4 ! . 0 ! L + a < ! G . & 4 & 2 > ! 0 3 ! 5 3 ! ' 3 ! * 3 7 4 5 ! , 2 0 . & 4 ! : 3 / : , & 0 & 2 > ! 5 , - . / 0 1 , 2 0 . 4 ! : & 2 . 2 * & . 4 !
' 7 - - 3 / 0 < ! E , X 7 , ' 0 ' ! : 3 / ! . 2 ! , Y 0 , 2 ' & 3 2 ! A ,) 3 2 5 ! 0 % , ! 3 2 , 0) , . / ! 4 & 1 & 0 ! 1 7 ' 0 ! A , ! 1 . 5 , ! & 2 ! V / & 0 & 2 > ! 0 3 ! 0 % , !
+ , - . / 0 1 , 2 0 ! C % . & / ! : 3 / ! * 3 2 ' & 5 , / . 0 & 3 2 ! . 2 5 ! V & 4 4 ! A , ! . - - / 3 9 , 5 ! 3 2 4) ! & : ! 0 % , ! / , X 7 , ' 0 ! & ' ! 5 , , 1 , 5 ! 0 3 ! A , !
R 7 ' 0 & : & , 5 < !

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"23456!28!1>79:7@;!.@:9;8@!*;75E48K!

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E,9&'&32!+.0,F!^,-0,1A,/!"J@!"HIM!

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_.*%!>/.57.0,!075,20!&2!0%,!-%)'&*!'!(%<+<-/3>/.1!&'!/,X7&/,5!03!>.&2!0,.*%&2>!,Y-,/,&,2*,!
57/&2>!%&'W%,/!>/.57.0,!075&,'<!!\$%,!1&2&171!0,.*%&2>!/X7&/,1,20!:3/!0%,!(%<+<15,>/,,!&'!
:37/!\-3&20'JF!!,. *%!4.A3/.03/)!','&32!*3720'!.!0V3!-3&20'@!.25!,.*%!/,*&0.0&32!', '&32!*3720'!
.'!32,!-3&20<!!\$%,!'075,20!*2!0,.*%!.2)!*31A&2.0&32!3:14.A13/!,*&0.0&32!',*0&32'!03!:74:&44!0%,!
:37/0-3&20!/X7&/,1,20<!!!

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\$%,!'075,20!17'0!A,!,.5)!03!A,>&2!:74:&44&2>!0%,',!0,.*%&2>!/X7&/,1,20'!P&2*475&2>!
'0&':.*03/)!-./:3/1.2*,!32!0%,!\`-.,.;!\$, '0]Q!23!4.0,/!0%.2!0%,!A,>&22&2>!3:!!%&'W%,/!:37/0%!
) ,./!3:!'075)<!!N40%37>%!0%,!'075,20!1.)!A,!.';,5!03!>/ .5,!%31,V3/;@!4.A!V3/;!3/!,Y.1'!
V%&4,!32!\$N!.-3&201,20'!-/&3/!03!0%,!0&1,!V%,2!%,W'%,!%.'!>.&2,5!.-/39.4!03!0,.*%@!'7*%!
>/.5&2>!V&44!230!:74:&44!.2)!-./0!3:!0%,!0,.*%&2>!/X7&/,1,20<!

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"23456!28! ' 2: 8@48K!78! (. '&.!* &!@2M7>9!@E;!0 ;?7>@A ;8@73! 1>79: 7@;!* ;75E48K!
#;Q:4>;A;8@!

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E,9&'&32!+.0,F!L*03A,/!"I@!"HIZ!

N--/39,5F!6/.57.0,!(/3>/. 1!C3 1 1&00,,!

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N!'075,20!V%3! ',/9, '! . '! .!0, . *%&2>!. ' '&'0.20!P\$N!Q!:3!/a ` (N`!V&44!% .9, !0% .0! . ' '&>2 1 ,20!*3720!

. '! :74:&44&2>!32,0% .4:!PIW"Q!3:!0% ,!+ , - . /0 1 ,20.4!>/ .57.0,!'075,20!0, . *%&2>!/ ,X7&/, 1 ,20!P"!

\-3&20'JQ<!

!

N!'075,20!V%3! ',/9, '! . '! .!\$N!.0!0V3!<;?7>7@;!a ` (N`!' *%334!'V&44!, ./2!D!-3&20'!.25!V&44!

% .9,!:744)!'.0&' :&,5!0% ,!+ , - . /0 1 ,20!0, . *%&2>!/ ,X7&/, 1 ,20<!

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1 :49;348;<!28!%:3=43348K!@E;!*;75E48K!#;Q:4>;A;8@!=2>!.@:9;8@<!\$8@;>48K!28!78!#&!!

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E,9&32!+.0,F!^,-0,1A,/!"D@!"HIZ!

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\$%,!+,-./01,20!%. '!.!0,.*%&2>!/,X7&/,1,20!:3/!.44!(%+'!075,20'<83'0!'075,20!'V&44!' .0&':)!

0%&'!/,X7&/,1,20!&2!0%,&!:&'0!),./!.'!6\$N<!`31,!'075,20'@!%3V,9,/@!V&44!'0./0!.'!6EN!

7-32!./&9.4!.0!L+a<!!G3/!'7*%'!075,20'@!10%,!0,.*%&2>!/,X7&/,1,20!'%3745!23/1.44)!A,!

:74:&44,5!23!4.0,/!0%.2!0%,!:37/0%!),./!&2!0%,!>/.57.0,!-/3>/.1<!

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\$%,!6(+@!&2!*33/5&2.0&32!V&0%!0%,!L-./ .0&32!'8.2.>./@!V&44!-./&35&* .44)!/,1&25!'075,20'!!

V%3!'0&44!2,,5!03!:74:&44!0%,&/!0,.*%&2>!/,X7&/,1,20!\$%,!'075,20B'!.59&'3/!V&44!.4'3!A,!230&:&,5<!

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"23456!28!STT!) ;J;3!\$3;5@4J;! ' 2:>;<!*7C;8! , :@<49;!@E;!'E6<45<!0 ;?7>@A;8@!!

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E,9&'&32!+.0,F!^ , -0, 1 A,/!b@!"HID!

N--/39.4!A)F!6/.57.0,!(/3>/. 1 !C3 1 1&00,,!

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I< MHH04,9,4!*37/' , '!0. ; ,2!A)!-%) '&*'!>/.57.0,! '075,20'!&2!5, - ./0 1 ,20'!30% ,/!0% .2!0% ,!
(%) '&*'!+ , - ./0 1 ,20!P:3!/!,Y. 1 -4,@!&2!0% ,!C% , 1 &'0/)!+ , - ./0 1 ,20Q!* .2!X7.4&:)! . '! .2!
,4, *0&9,<!!!!

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"< N!>/.57.0,! '075,20! 17'0!'7A 1 &0! ./,X7, '0!&2!V/&0&2>!03!0% ,!6 (C!03!0. ; ,! .!MHH!4,9,4!
37/' ,!370'&5 ,!3:!0% ,!(%) '&'!+ , - ./0 1 ,20! .25!03!% .9, !&0!*3720!03V. /5!0% ,!,4, *0&9,!

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! :49;348;<!28!&9A484<@>7@428!2=!@E;!R>4@@;8!'78949756!\$I7A487@428

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1 :49;348;<!28!@E;!' 2A?2<4@428!2=!@E;!04<<;>@7@428! ' 2AA4@@; ;!!

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E,9&'&32!+.0,F!` , -0, 1 A,/!"J@!"HIMK!` , -0, 1 A,/!Id@!"HI#! !

N- -/39,5!A)F!6/.57.0,!(/3>/. 1!C3 1 1&00,,!

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"D

"23456!28!@E;!04<<;>@7@428!789!04<<;>@7@428!0;=;8<;!!
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"J

"23456!28!\$J73:7@428!2=! 1>79:7@;!*;75E48K!&<<4<@78@<!

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E,9&'&32!+.0,F!

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\$%,!C344,>,!3:!\`*&,2*,!/,X7&/,'!0%.0!\$N!,9.47.0&32'!'%3745!A,!*3 1 -4,0,5!V&0%&2!0%,!:&/'0!:&9,!
V,,; '! .25!:&/'0!', 1 , '0, /!, 9.47.0&32'!./, !57, !&2!0%, !N' '3*&.0, !+, .2B'!3::&* , !A)!0%, !, &>%0%!
V,, ; <! \$%, !(%) '&* ' !+, - ./0 1 , 20!V&44!*3257*0!, 9.47.0&32'!57/&2>!0%, !:37/0%! .25!:&:0%!V,, ; !3:!
*4. ' ', '! :3/!:&/'0!), ./!\$N'<!!

G&'0!), ./!\$N'!V&44!A,!, 9.47.0,5!0V&* , !.!) , ./!P32* , !, 9, /)! ' , 1 , '0, /Q@! ' , *325!), ./!\$N'!V&44!A, !
, 9.47.0,5!32* , !.!) , ./!P57/&2>!0%, &/! :37/0%!0, . *%&2>!' , 1 , '0, /Q<\$%&/5!P.25!.A39,Q!), ./!\$N'!./, !
324)! , 9.47.0,5!&:!0%,)!./, !, &0%, /! .! * .25&5.0, !03!A, !23 1 &2.0,5! :3/!32, !3: ! \$N!. V. /5 ' !3/!0%, &/!
- . '0!- , /:3/ 1 .2* , !% . ' ! '%3V2!5, :&*&, 2* &, '<!!!

\$V3!, 9.47.0&32'!./, !2, , 5,5! :3/!23 1 &2.0&2>!.!\$N!:3/!0%, !L70'0.25&2>!6/.57.0, !\$, . *%&2>!
NV./5!PL + a Q<\$%, !5, .54&2, !:3/!'7*%!23 1 &2.0&32'!&'!7'7.44)! , 25!3: !T.27./)<!! =2!3/5, /!03!% .9, !
'7::&* &, 20!, 9.47.0&32'! :3/! . V. /5!23 1 &2.0&32'@!0%, !+, - ./0 1 , 20!V&44!' , 4, *0!' , 9, / .4!* .25&5.0, '!
:3/! . V. /5!23 1 &2.0&32!.:0, /!0%, !/, >74./!, 9.47.0&32'!PA)!0%, !:&:0%!V,, ; !3:!*4. ' ', 'Q!` 3 1 , 0& 1 , !
57/&2>!0%, !4. '0!:, V!V,, ; !3:!*4. ' ', '!..!' , *325!P, Y0, 25, 5Q!, 9.47.0&32!:3/!0%, ' , ! \$N'!V&44!A, !
*3257*0, 5<!!!

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"d

"23456!28!1>79:7@;!.@:9;8@!..??2>@!

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E,9&'&32!+.0,F!L*03A,/!Z@!"HHD!

N--/39,5!A)F!(%) '&*'!+, -. /0 1 ,20!G.*740)!!

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\$%,!+, -. /0 1 ,20!3:!(%) '&*'!&'!&'*3 1 1 &00,5!03!. '&'0&2>!, . *%!>/ .57.0,! '075,20!.. *%&,9,!%&'W%, /!
,57*.0&32.4!3AR,*0&9,'<!=20,>/ .4!. '- ,*0!13:!'7**,'':74!-/3>/,' '!03V./5!0%,!(%<+<!. /,!0%,!*%3&*,!
3:132,B'!53*03/.4!/, ', ./!*%!03-&*!.25!0%,!1 . &20,2.2*,!3:!'0, .5)! :725&2>!:3/!07&0&32!.25!

- ,/'32.4!'0&- ,25<!\$%,!:3443V&2>!-34&*)!*4./&:&,'!0%,!*3 1 1 &0 1 ,20!0%,!+, -. /0 1 ,20!3:!(%) '&*'!
%.'!P'7AR,*0!03!.9.&4.A4,!:725&2>Q!03!,2'7/,!.5,X7.0,!:725&2>!720&4!0%,!'075,20!*3 1 -4,0,'!0%,!
(%<+<@!.25!&0!*4./&:&,'!0%,!/, '-32'&A&4&0&,'!3:!0%,!'075,20<!!

*E;!%4><@!*M2!+;7><!!

\$%,!+, -. /0 1 ,20!3:!(%) '&*'!V&44!23/ 1 .44)! '7--3/0!..!2,V@!&2*3 1 &2>!'075,20!A)!-/39&5&2>!:744!
07&0&32!/, 1 &' '&32!.25!..!- ,/'32.4!'0&- ,25!:3/!0%,!:&/'0!:37/!. *.5, 1 &*'!', 1 , '0,/'!P23/ 1 .44)!0%,!
:.44!.25!' - /&2>!', 1 , '0,/'!3:!0%,!:&/'0!0V3!), ./'Q@!.40%37>%!0%,!'075,20!&'!,2*37/.>,5!03!0/.2':, /!
03!>/ .20!:725&2>!, . /4& /!&: !&0!&'!.9.&4.A4,!: /3 1 !%&'W%, /!/, ', ./!*%!.59&'3/<+7/&2>!0%,!/, >74. /!

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"b

3 1 -4,0,!.!(%<+<! a25,/!23/ 1 .4!&/ *7 1 '0.2*, '!.!'075,20!V%3!% . '!'1 .&20.&2,5!..!6 (N!3:!!>/, .0,/!
0% .2!#<H!.25!- . ' ',5!0%,!X7.4&:)&2>!,Y. 1!.0!0%,!%&>%,/!4,9,4@!.25!V%3',!.59&'3/!% . '!.5,X7.0,!
/, ',./!*%!:725&2>@!V&44!*320&27,!03!/,*,&9,!:725&2><!!

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&=@;>!@E;!%4><@!%2 :>!&579;A45!.;A ;<@;><!!

a25,/!.44!A70!,Y0/.3/5&2./)! '&07.0&32 '@!32*,!.!'075,20!A,>&2'!%&'W%,/!',*325!'7 1 1 ,/@!%,W'%,!

(23456!=2>!@E;!788:73!"E#0#<@:9;8@!@>7J;3!7M7>9<!!!

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E,9&'&32!+.0,F!G.44!"H"#!

N--/39,5!A)F!6/.57.0,!(/3>/. 1!C3 1 1 &00,,!!

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\$%,!L+a!+,-./0 1,20!3:!(%)'&*!'@!0%/37>%!0%,!>,2,/37!'!7--3/0!A)!0%,!C344,>,!3:!'`*&,2*,'@!
, '0.A4&'%, '!0V3!', 1 &0.227.4!0/.9,4!.V./5!'!&2!0%,!. 1 3720!3:lnZHH!03!-./04)!5,:/.)!0%,!,Y-,2', '!
:3/!(%<+!'075,20!'!&2!>335!'0.25&2>!&2!0%,!5,-./0 1,20!03!.00,25!2.0&32.4!3/!&20,/2.0&32.4!
32:/,2,'<!\$%&'!-34&*)!'-,*&:&, '!0%,!-/3*,57/,!.25!*&0/&.!A)!V%&*%!0%,!V&22,/'!:/3/!0%&'!
.V./5!V&44!A,!',4,*0,5<!

I< N22372*, 1,20!'!:/3/!,.*%!0/.9,4!.V./5!V&44!A,!1 .5,!.0!0%,!A,>&22&2>!3:!0%,!G.44!.25!
0%,!'`-/&2>!', 1, '0,/'<!

"< \$%,!.V./5!* .2!324)!A,!>&9,2!03!..!'075,20!V%3!V&44!-/, ',20!3/&>&2.4!/, '740'!3:!0%,&!
(%<+!/, ',./*%!.0!..!'*&,20&:&*!*32:/,2*,<!!

#< ` ,4,*0&32!*/&0/&.!./,!A.' ,5!32!./, *3 1 1,25.0&32!4,00,/!:/3 1 !0%,!'075,20!.59&'3/!.25!
0%,!.*.5, 1 &*!.25!/, ',./*%!-/,/3/ 1 .2*,!3:!0%,!'075,20<!!

D< \$%,/,!&'!.!4& 1 &0!3:!32,!0/.9,4!.V./5!-/,!),./!:/3/!,.*%!'075,20<!

Z< \$%,!(%<+!.59&'3/!3:!0%,!'075,20! 1 7'0!-/39&5,!0%,!2,*,''./)! 1 .0*%&2>!725!'!39,/&2>!
.44!,Y-,2', '!/,X7&/,5!:/3/!.!'075,20!03!>&9,!.!-/, ',20.0&32!.0!..!*32:/,2*,<!

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"23456!28!1>79:7@;!' 2:><;!*>78<=>>B!R 74J;>>B!789!'>;94@!G6!\$ I7A487@428!

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E,9&&32!+.0,F!"HHM!

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I< `075,20'!. /,!23/1 .44)! .443V,5!03!0/.2':, /!7-!03!I"!%37/'!3:>/ .57.0,!*37/' ,!&:!
. --/39,5!A)!0%,!6/.57.0,!(/3>/ . 1!+&/ ,*03/<!!\$% ,!,X7&9.4,2*)!3:!'7*%!0/.2':, /!*37/' ,!
03!0%3' ,!3::, /,5!.0!L45!+3 1 &2&32!a 2&9, /'&0)!&'!23/1 .44)!5,0, /1 &2,5!A)!0%,!6/.57.0,!
(/3>/ . 1!C3 1 1 &00, ,<!!E,X7, '0'!03!5,0, /1 &2,!*37/' ,!0/.2':, /!,X7&9.4,2*)!17'0!A,!
'7A 1 &00,5!&2!V/&0&2>!03!0%,!C%.&/!3:!0%,!6/.57.0,!(/3>/ . 1!C3 1 1 &00, ,@!.432>!V&0!
'7--3/0&2>!1 .0, /&.4'<!!\$% ,!6/.57.0,!(/3>/ . 1!C3 1 1 &00, ,!3/V. /5'!&0'!5,0, /1 &2.0&32'!
03!0%,!6/.57.0,!(/3>/ . 1!+&/ ,*03/<!
!

"< \$% ,!6/.57.0,!(/3>/ . 1!+&/ ,*03/!1 .)!V.&9,!.!/,X7&/,5!>/ .57.0,!*37/' ,@!23/1 .44)!7-32!
0%,!/, *3 1 1 ,25.0&32!3:!0%,!6/.57.0,!(/3>/ . 1!C3 1 1 &00, ,<!!\$% ,!6/.57.0,!(/3>/ . 1!
C3 1 1 &00, ,!/, *3 1 1 ,25'!'7*%!..!V.&9, /!&:!!&2!0%,! *3 1 1 &00, ,B'!R75>1 ,20@!0%,!'075,20!
% . '!-/ ,9&37'!,Y- , /&,2* ,!,X7&9.4,20!03!0%.0!03!A, !>. &2,5!:/3 1 !0%,!*37/' ,!.25!&:!0%,!
'075,20B'!&20, /, '0'!. /, !:7/0%, /, 5!A)!%&'W%, /!230!0. ;&2>!0%,!/,X7&/,5!*37/' ,<!!N!V/&00,2!
/,X7, '0!:/3!'7*%!..!V.&9, /!.25!'7--3/0&2>!,9&5,2* ,!17'0!A, !-/, ' ,20,5!03!0%,!C%.&/!3:
0%,!6/.57.0,!(/3>/ . 1!C3 1 1 &00, ,<!!\$% ,!6/.57.0,!(/3>/ . 1!C3 1 1 &00, ,!3/V. /5'!&0'!
5,0, /1 &2.0&32'!03!0%,!6/.57.0,!(/3>/ . 1!+&/ ,*03/<!!\$% ,!6/.57.0,!(/3>/ . 1!+&/ ,*03/!&'!
/, '-32'&A4, !:3/!-4. *&2>!.!V/&00,2!/, *3/5!3:!.44!V.&9,5!*37/' ,!'&2!0%,!'075,20B'!
-, /1 .2,20!/, *3/5'!&2!0%,!+, - . /0 1 ,20!3:!(%) '&*'<!
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#< \$/.2':, /!3/!V.&9, /!3:!/ ,X7&/,5!>/ .57.0,!*37/' ,!'53, '1230!,Y, 1 -0!..!075,20!:/3 1!

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/ 2A4873!.5E;9:3;12=! 1>79:7@;!\$3;5@4J;! ' 2:><;<!

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E,9&'&32!+.0,'F!L*03A,/!"H"H!

N--/39,5!A)F!(%)'&*!'!+, - ./0 1 ,20!G.*740)!

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\$%&'!7-5.0,'!0%,!"HIZW"HIM!-34&*)!:3725!&2!0%,!N-- ,25&Y!

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=2!3/5,/!03!-/39&5,!>/.57.0,! '075,20'!V&0%!.:744!/.2>,!3:!*37/' , '!2, ,5,5!:3/!.!1 35,/2!

>/.57.0,! ,57*.0&32@!0%,!+, - ./0 1 ,20!V&44!.00, 1 -0!03!3:.,/!,4,*0&9,!*37/' , '!A.' ,5!32!0%,!
:3443V&2>'!*,574,F!

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c 7*4,./!(%)'&*!'!0/.*;!3:.,/!&2>'!3:!,4,*0&9,'F!

%733!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	. ?>48K!
=20/3!03!c ((!!!!!!!!!!!!!!!!!!!!!!!!!!!!! (%) '!J" "Wd" "!!!!	

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(/ 0 \$ # 1 # & 0 (& * \$! " # , 1 # & O ! " ,) - ' - \$. ! & / 0 ! 1 (- 0 \$) - / \$. !

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"23456!28!\$ I; A ? @428! => 2A! - 8@ > 29 : 5@2 > 6!) 7G <!

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E, 9& ' & 32! + . 0, F! L * 03A, /! I " @! " HHM!

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N0!0%, !T. 27. /) ! " HHZ! G. * 740) ! 8 , , 0& 2 > ! & 0! V. ' ! 5, * & 5, 5! 0% . 0! 725, /! *, /0. & 2! * & / * 7 1 ' 0. 2*, ' @!
' 075, 20' ! ' % 3745! A, ! . 443V, 5! 03! A, !, Y, 1 - 0! : / 3 1 ! 0. ; & 2 > ! 0%, ! & 20/ 357 * 03 /) ! 4. A 3 / . 03 /) < ! \$ %, ! a 6 C!
: & 2. 4& ? , 5! 1 & 23 / ! / , 9& ' & 32 ' ! 03! 0%, ! - 34& *) ! 32! IHWI " WHM < ! !

N! ' 075, 20! * . 2! A, !, Y, 1 - 0! : / 3 1 ! & 20/ 357 * 03 /) ! 4. A ' ! 324) ! 725, /! 0%, ' , ! * 325& 0& 32 ' F! !

I < N! ' 075, 20! % . ' ! / , * , & 9, 5! . ! C! 3 / ! A, 00, /! & 2! 0%, !, X7& 9 . 4, 20! 4. A! * 37 / ' , ! . 0! . 230%, /! 72& 9, / ' & 0) < !
\$ %, ! 4. A! * 37 / ' , ! & ' ! 4& ' 0, 5! . ' ! . ! ' , - . / . 0, ! 4& 2, ! & 0, 1 ! 32! 0%, ! ' 075, 20B ' ! 0 / . 2 ' * / & - 0 < ! ! !

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" < N! ' 075, 20! % . ' ! 0. ; , 2! . 25! / , * , & 9, 5! . ! \ (] ! & 2! L + a ! (%) ' & * ' ! I I # ! 3 / ! I I D < ! ! !

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< N! ' 075, 20! % . ' ! 0. ; , 2! 0%, ! 4. A! . 4 / , . 5) ! . 0! L + a ! . ' ! - . / 0! 3 : ! . 2! & 20/ 357 * 03 /) ! - %) ' & * ' ! * 37 / ' , !

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1 :49;348;<!28! . ;842>! *E;<4<!

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E,9&'&32!+.0,F!"d!T.27./)"HIZ!PC33;Q!

N--/39,5!A)F!a25,/>/.57.0,!C3 1 1&00,,@!"b!T.27./)"HIZ<!

N--/39,5!A)F!(%) '&*!G.*740)@!H#!G,A/7./)"HIZ<!

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7&)\$+40/)%+&C!

\$%,!`,2&3/!\$%, '&'!&'!..!*.-'032,!Y-./&,2*,!&2!V%&*%!0%,!'075,20!V3/;'!V&0%!..!-%)'&*!'5,-./0 1 ,20!:. *740)!1 , 1 A,/!PE, ',./!*!N59&'3/Q!32!.2!&25&9&57.4!/, ',./!*!-/3R,*0<!!\$%,!'075,20!%.'!0%,!3--3/072&0)!03!.-4)!;23V4,5>,.25!' ;&44'!. *X7&/,5&2!0%,!*4.' '/33 1 !03!/, .404&:./, ',./!*! -/3A4, 1 '!&2!-%)'&*!<!!\$%&'!/, ',./!*!* .2!A,!532,!&0%,/!&2!320*. 1 -7'!4.A3/.03/&,'!.25!:. *&4&0&,'! 3/!.0!30%,/!' *&,20&:&*!&2'0&070&32'!'&2!0%,!/,>&32!V%,/,!5,-./0 1 ,20.4!:. *740)!1 , 1 A,/!-./:/3!1 /, ',./!*%&! '7*%!..!0%,!\$%3 1 .!T,::,/32! c .0&32.4!N** ,4,/.03!/C,20,/!P\$TcNGQ@!0%,!N--4&,5! E, ',./!*%!C,20,/@!3/!cN`N!U.2>4,)!E, ',./!*%!C,20,/ <!

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\$%,/,!./,!0V3!3-0&32'!:3/!*3 1 -4,0&2>!0%,!` ,2&3/!\$%, '&'<!\$%,!:/0!&'!03!*3 1 -4,0,!(%) '&*!' Dbb i @!V%&*%&!&'!.#!*/.5&0!*37/' ,!0. ; ,2!&2!32,!' , 1 , '0,/!PG.44@!` -/&2>!3/!`7 1 1 ,/Q<!!\$%,!' , *325! &'! !0V3' , 1 , '0,/!3-0&32!&2!V%&*%!0%,!'075,20!0. ; ,!'0%,!32,!* /,5&0!(%) '&*!'Ddb i !&2!0%,!:/0! ', 1 , '0,/!.25!0%,!0V30*/.5&0!(%) '&*!'Dbh i !0%,!:/3443V&2>!', 1 , '0,/ <` ,2&3/!\$%, '&'!*.2!.4'3!A,!' *%,574,5!57/&2>!0%,!'7 1 1 ,/!' , '32'<`7** , ' :74!*3 1 -4,0&32!3:!A30%!(%) '&*!'Ddb i !.25!Dbh i ! &'! ,X7&9.4,20!03!(%) '&*!'Dbb i !.25!' .0&' :& , '!A30%!0%,!V/&0&2>!.25!3/.4!*3 1 1 72&* .0&32!7-- ,/! 4,9,4!>,2,/.4!,57* .0&32!/,X7&/, 1 ,20'!:3/!-%)'&*!'1 .R3/'<!

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\$%,!030.4!0&1 ,!*3 1 1 &0 1 ,20!/,X7&/,5!A)!0%,!'075,20!'%3745!A,!*3 1 1 ,2'7/.0,!V&0%!..!' ,2&3/! 4,9,4!0%/ , ,0*/.5&0!-%)'&*!'*37/' ,<G3/!*3 1 -4,0&32!3:!(%) '&*!'Dbb i !3/!(%) '&*!'Dbh i @!0%,!'075,20! 1 7'0!-/, -./,!.!V/&00,2!:&2.4!/, -3/0!P\$%, '&'Q!V%&*%&!&'!/,9&,V,5!.25!*/&0&X7,5!A)!0%,&/!\$%, '&'! C3 1 1 &00,,@!.25!1 . ; ,! !-7A4&*!3/.4!-/, ',20.0&32!32!0%,&/!-/3R,*0!03!0%,!15,-./0 1 ,20!32!` ,2&3/! \$%, '&'!(/, ',20.0&32!+.)<!!

\$%,/,!./,!0%/ , ,!3AR,*0&9, '!3/!0%,!` ,2&3/!\$%, '&'!E, ',./!*%!*37/' , 'F!

(/39&5,!.2!&25, -,25,20!/, ',./!*%!,Y-./&,2*,!:/3/!0%,!'075,20<!

\$, . *%10%,!'075,20!3V!03!V/&0,!.2!&2!5, -0%!-%)'&*!' /, ',./!*%!/, -3/0@!*3 1 -4,0,!V&0%!:&>7/, '@!

:&>7/,!* .-0&32'@!0.A4,!3:!*320,20'@!0.A4, '@!/, : , /,2*, '@!.A'0/. *0@!,0* <!

E,&2:3/*,!1 .0,/&.4!:/3 1 !, ./4&, /! *37/' , '!32!>&9&2>!' * , '0.2(32') .2(>7/,)2(,)0.!0.2(')-0.2(,)0.2(20)0.2

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='#-!?!?+9 9 %))##C!
_.*%!'075,20!V&44!%.9,!..!0%, '&'!*3 1 1 &00,,!*32'&'0&2>!3:!.0!4,.. '0!0%/,,! 1 , 1 A,/ '@!&2*475&2>!0% ,!E, ', ./.*%N59&'3/!. '!'*%.&/<!\$,!'075,20!.25!0% ,&/!.59&'3/!'%3745!*%33',!0% ,!30% ,/! 1 , 1 A,/!'3:!0% ,!*3 1 1 &00,,@!;,, -&2>!&2!1 &25!0%.0!.0!4,.. '0!32,!3:!0% ,! 1 , 1 A,/!'!17'0!A,!:/3 1 !.! '7A:&45!3:!)'&* '!5&:./,20!:/3 1 !0%.0!3:!0% ,!` ,2&3/!\$, '&'!/, ', ./.*%<!\$/,,!*3 1 1 &00,,! 1 , 1 A,/!'!17'0!A,!)'&* '!:. *740)!P/,>74./!3/!.5R72*0Q<N55&0&32.4! 1 , 1 A,/!'!:/3 1 !370'&5,!0% ,!5, - ./0 1 ,20@!V%3',!,Y-,/0&' ,!*3&2*&5, '! V&0%!0% ,!/, ', ./.*%!03-&*@! ./,! .443V,5<! \$%,!'075,20! 17'0! .!';!0% ,!30% ,/!*3 1 1 &00,,!1 , 1 A,/!'!&:!0% ,)!./,!'V&44&2>!03!',/9,!32!0% ,&/!` ,2&3/!\$, '&'!C3 1 1 &00,,<!%2>!<@:9;8@<@7C48K! @E;! @M2U<;A;<@;>!<;Q:;85;! @E;6! A :<@! 528=4>A! @E7@! ;75E! 52A A4@@; ;! A ;AG;>!4! 7J7437G3;! =2>! @E;! @M2! <;A;<@;>!<;Q:4>;9! @2! 52A ?3;@; @E;! 52:><;&H

'32<;!@2! O49U.;A;<@;>!P0)-&*44)!A,:3/,!G.44!3/!`-/&2>!S/,.;Q@!.44!`,2&3/!\$%, '&'!
'075,20'!17'0!./2>,!03!1,.,0!V&0%!0%,&!E, ',./*%!N59&'3/!03!5&'*7'!'!0%,&!-/3>/, '!&2!
0%,!-/3R,*0!\$%,!N59&'3/!1.)!/,X7,'0!.!V/&00,2!-/3>/, '!!/, -3/0!.25W3/!..!1, ,0&2>!V&0%!
0%,!30%,/!C3 1 1 &00,,!8, 1A,/!<!

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[H! \$ / 0!, %!. \$ O \$. * \$ #! # \$ " , # * . N!
N0!0%,!,25!3:!0%,!' , 1, '0,/@!.44!(%) '&*'!Dbb i !'075,20'!17'0!*3 1 -4,0,!.!A/&, :!(/3>/, '!!
E, -3/0!.25!'7A 1 &0!&0!03!0%,&!E, ',./*%!N59&'3/!A,:3/!,!.!>/5,!*2!A,!,*3/5,5!3/!0%,!
I!*/5&0!%37/!*37/!',<!`075,20'!&2!(%) '&*'!Dbb i !.25!(%) '&*'!Dbb i !V&44!*3 1 -4,0,!.25!
'7A 1 &0!0%,&!V/&00,2!`,2&3/!\$%, '&'!.!,Y-4.&2,5!&2!`,*0&32'!Z!.25!M!A,43V<!!

!\H!!!! . \$ / - , #!*W\$. - .! "# \$. \$ / * & * - , /!0 & + N!
. ;842>!*E;<4<!">;<;8@7@428!076!230!324)!5, -&*0'!0%,!,9,20!&2!V%&*%!.44!(%) '&*'!Dbb i !
.25!Dbb i !'075,20'!>&9,!0%,&!L/.4!(/, ',20.0&32!A70!.4'3!0%,!5,.54&2,!:3/!%.9&2>!0%,&!
`,2&3/!\$%, '&'!*3 1 -4,0,5!.25!,Y. 1&2,5!A)!0%,&! \$%, '&'!C3 1 1 &00,,<! =0! '&'!.4'3!0%,!
5,.54&2,!:3/!V%&*%!(%) '&*'!Dbb i !'075,20'!17'0!%.9,!*3 1 -4,0,5!.25!'7A 1 &00,5!03!0%,&!

0%,)!V&44! '&>2!0%,!`&>2.07/,! (.>,!3:!0%,!V/&00,2!0%, '&'<!\$,!*3 1 -4,0,5!:&2.4!`,2&3!
\$, '&'!V&44!A,! '7A 1 &00,5!03!0%,!\$, '&'!N59&'3/!&2!SL\$ [!%./5!*3-)! .25!5&&0.4!:3/ 1 .0!
\$,!5&&0.4!:3/ 1 .0! 17'0! A,! *3 1 -4,0,! .25! &2*475,! .!*3-)! 3/! '* .2! 3:!0%,! 3/&>&2.4!
`&>2.07/,! (.>,<!

5< \$%,!.A'0/. *0!&'!..--/3-/&.0,!.25!*32'0&070,'!.2!..**7/.0,! '7 1 1 ./)!3:10%,!
V3/;<!<
< E,4,9.20!V3/;!A)!30%,/'!&'!..--/3-/&.0,4)!*0,5<!<
^44_ f 7.4&0)!3:10%,! i /&0&2>!P"Z t Q!
< \$%,!V/&0&2>!&'!>/. 1 1 .0&* .44)!*3//,*0<!<
A< \$%,!0%, '&'!&'!V,44!3/>.2&?,5<!<
< \$%,! ',20,2,!' '0/7*07/,! .25! 93*.A74./)! ./,! .--/3-/&.0,! :3! .2!
725,/>/.57.0,!!*&,2*,!1 .R3/<!<
^444_ (/,' ,20.0&32!.25!G3/1 .00&2>!P"Z t Q!
< G3/1 .00&2>!&'!-/3:,!'&32.4!.25!*32'&'0,20!0%/37>%370!0%,!53*7 1 ,20<!<
A< E,./,2*,!'!./,!:3/1 .00,5!&2! .!V.)!*32'&'0,20!V&0%! .! '0.25./5! -%) '&'!
R37/2.4<!<
*< G&>7/,!'!.25!0.A4,'!./,!-/,' ,20,5!*4, ./4)@!V&0%!..--/3-/&.0,!* .-0&32'<!<

!

H: '10')%+&!+(!F\$'!I#&%+\$!="'#-!->\$#-#&)'%+&C!

\$%,!3/.4!-/,' ,20.0&32!V&44!A,!,9.47.0,5!..**3/5&2>!03!0%,!:3443V&2>!*/&,/&.F!

!

P&Q L/>.2&?.0&32!.25!*4./&0)!3:10%,!'4&5,'!P"Z t Q!
< \$,Y0@!5&.>/. 1 '! .25!:&>7/,!'!./,!/ ,.5.A4,!A)! .2!.75&,2*,!&2!LCc (`!H"HH

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\$%,!E, ',./!*!N59&'3!/V&44!'7A1 &0!0%,!3/&>&2.4!9,/'&32!3:!0%,!` ,2&3!/\$%, '&'!V&0%!0%,!
2>4K4873!.4K87@:;>!'7K;!@2!@E;!.;842>!*E;<4!' 22>9487@2>!G;=2>;!@E;!97@;!2=!@E;!
(84J;>4@6!' 2AA;85;A;8@!' ;>;A284;<<!N!5&>&0.4!*3-)!17'0!.4'3!A,!3/V./5!03!0%,!
` ,2&3!/\$%, '&'!C33/5&2.03/<!C320.*0!0%,!C33/5&2.03/!&:!,4-!&'!2,,5,5!-/&20&2>!0%,!%&>%!
X7.4&0)!3/&>&2.4!9,/'&32!/\$%,!-.-,/'*3-)!&'!/,X7&/,5!. '!&0!*320.&2'!3/&>&2.4!'&>2.07/, '!
.25!1.)!*320.&2!*343/!&1.>,'<!\$%&'! *3-)!V&44!A,!A3725!.25!53*71,20,5!A)!0%,!
5,-./01,20<!N!*31-4,0,!4,*0/32&*! *3-)!P-5!:!3/1.0Q!3:!0%,!&2.4!53*71,20!&'!.4'3!
/,X7&/,5!:3/!5,-./01,20.4!/, *3/5'<!N55&0&32.4!A3725!*3-&,'!./,!3:0,2!/,X7,'0,5!A)!0%,!

VVI %:8948K!=2>!. ;842>!*E;<4<!#;<;7>5E!

"23456!28! (89;>K>79:7@;!. ;3;5@428!@2!.4KA7!"4!

!

E,9&'&32!+.0,F!G,A/7./)!!"HIJ!

`0.07'F!(7A4&*!

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\$%,!*/&0,/&.!:3/!23 1 &2.0&32!03!` &> 1 .!(&!&'F!

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N! 1 &2& 1 7 1 !39,/.44! 6 (N!3:#!#<HH<!

N! 1 &2& 1 7 1 !6 (N!&2!-%)'&*'!3:#!#<HH<!

N0!4,. '0!#!', 1 , '0,/ '3:!:74400& 1 ,!*344,>,!V3/;!*3 1 -4,0,5!P#M!*/ ,5&0!%37/'Q<!

N0!4,. '0!0V3!DHH04,9,4!-%)'&*'!*37/' ,!*3 1 -4,0,5!.0!L+ a!V&0%!..!S!3/!A,00,/<!

E.2;&2>!&2!7-- ,/!32,00%&/5!3:!0%,!C344,>,!3:!' *&,2* , '!

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D"

"23456!28! (89;>K>79:7@;!) ;J;3! ' E733;8K;!\$ I7A<!48!@E;!"E6<45<!0 ;?7>@A ;8@!

!

E,9&'&32!+ .0,F! a 2;23V2!

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N!'075,20!.0!L45!+3 1&2&32! a 2&9,/'&0)! 1 .) !/,X7, '0!03!0. ;,!.!% .44,2>,!,Y. 1 !03!/,*,&9,!
344,>,! /,5&0!A. ' ,5!32!- /&3!/:23V4,5>,<!N44!*% .44,2>,!,Y. 1 !/,X7, '0!' 1 7'0!A,! '7A 1 &00,5!03!
0% ,!F22#8-(/2(: *#/*(3-+* &#&'(6\$\$-\$\$, -&%!V%&*&!0%,2! :3/V./5'!/,X7, '0!'03!0%,!. - -/3- /&.0,!
5, - . /0 1 ,20! :3!/. - -/39.4!.25!.5 1 &2&'0/.0&32<!=:!0%,!/,X7, '0!&'! . - -/39,5@!0%,!'075,20!V&44!A,!
/,X7&/,5!03!- .) !07&0&32! .0! .! / .0,!' ,0!A)!0%,! a 2&9,/'&0)<!

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(, / 1 &' &32!03!0. ;,!.!% .44,2>,!,Y. 1 !&2!-%) '&*'!&'!230!.703 1 .0&*.25!V&44!A,!5,0, / 1 &2,5!32! .!
* .',0A)0* .',!A. '&'!A)!0%,!C+N<!!

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=Q! c 3/ 1 .44)@!.!% .44,2>,!,Y. 1 !V&44!324)!A,!.443V,5!&:F!

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IQ \$%,!'075,20!% .!'!0. ; ,2!.25!- .',5!..!*344,>,!4,9,4!P230!%&>%!'*%334Q!*37/' ,!.0!
.230% , /!&2'0&070&32!V&0%! .!>/ .5, !V%&*&!V3745!.443V!:3/!0/ .2':, /!03!L+ a !A70!V%&*&!
53, '!230!0/ .2':, /!:3/!- '%*+/*G#&+*?!/ , . '32'!P:3!/,Y. 1 -4,F! .!:3/,&>2!*344,>,!:3/!
V%&*&!,X7&9.4,2*)% .!'!230!A, ,2!5,0, / 1 &2,5Q<!

!

"Q N!'075,20!* .2!5, 1 32'0/.0,!,Y-, /&,2*, !0% .0!&'!,X7&9.4,20!03!% .9&2>!0. ; ,2!..!*344,>,!
4,9,4!- %) '&*'!*4. ''!P:3!/,Y. 1 -4,@!:3 1 !0%,! 1 &4&0./)!3!V3/;!,Y-, /&,2*, !&2!&257'0/)Q<!

!

=Q!

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D#

'23456!28!' >;94@!-2>!@E;!!&9J785;9!'"375; A;8@!\$ I7A!

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E,9&'&32!+.0,F!G,A/7./)!@"HIJ!

N--/39,5!A)F!`0,-%,2!S7,40 1 .22!.25!C%. /4, '[)5,!

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(%) '&*'!I!! ! ! '*3/,#!uuv!([r `!IH!c!

(%) '&*'!"!! ! ! '*3/,#!uuv!([r `!IH" c!

(%) '&*'!S!! ! ! '*3/,#!uuv!([r `!IH!c!w!([r `!IH" c!!

P0%&'!&'!.!4,>.*@!(%) '&*'!S!&'!23!432>, /!3::, /,5Q!

(%) '&*'!I!! ! ! '*3/,!D!@Z!uuv!([r `!III c!!!

(%) '&*'!"!! ! ! '*3/,!D!@Z!uuv!([r `!II" c!!!

(%) '&*'!S!! ! ! '*3/,!D!@Z!uuv!([r `!III c!w!II" c!

(%) '&*'!C!P 8 ,*%.2&*'Q!! '*3/,#!!!!uuv!([r `!III c!P2,V!.55&0&32Q!

(%) '&*'!C!P_q 8 Q!! ! '*3/,#!!!!uuv!([r `!II" c!P2,V!.55&0&32Q!

(%) '&*'!C!P 8 ,*%.2&*'Q!! '*3/,!D!@Z!uuv!([r `!"#Ic!

(%) '&*'!C!P_q 8 Q!!! ! '*3/,!D!@Z!uuv!([r `!"#" c!

!

E,9&'&32!+.0,F!T74)!J@!"HIZ!

N--/39,5!A)F!C+N!

`0.07'F!(7A4&*!

!

\$%,!(%) '&*'!+, - ./0 1 ,20!V&44!.V./5!N(!*/ ,5&0!. '!:3443V'F!

N(! (%) '&*'!I!'*3/,!3:!D!3!/ZF!!L+ a!([r `!III c@!D!*/ ,5&0'!

N(! (%) '&*'!"!'*3/,!3:!D!3!/ZF!!L+ a!([r `!II" c@!D!*/ ,5&0'!

N(! (%) '&*'!C! 8 ,*%.2&*'!'*3/,!3:!D!3!/ZF!!L+ a!([r `!"#Ic@!D!*/ ,5&0'!

N(! (%) '&*'!C!_4 ,*0/&*&0)!.25! 8 .>2,0&' 1!'*3/,!3:!D!3!/ZF!!L+ a!([r `!"#" c@!D!*/ ,5&0'!

!

E,9&'&32!+.0,F!+, *, 1 A, /!IH@!"HIH!

N--/39,5!A)F!(%) '&*'!+, - ./0 1 ,20!G.*740)!

`0.07'F!(7A4&*!

!

\$%,!(%) '&*'!+, - ./0 1 ,20!V&44!.V./5!0%,!:3443V&2>!*/ ,5&0!:3!/N(!_Y. 1 'F!

I< (%) '&*'!S!_Y. 1!C/,5&0!:3/!(%) '&*'!III c!II" c!Pd!*/ ,5&0'Q!V&44!A,!.V./5,5!:3/!.!'*3/,!
3:!D!3!/Z<!!

!

"< (%) '&*'!C!_Y. 1!P 8 ,*%.2&*'Q!C/,5&0!:3/!(%) '&*'!"#Ic!Pd!*/ ,5&0'Q!V&44!A,!.V./5,5!:3/!
.!'*3/,!3:!D!3!/Z<!!

!

#< (%) '&*'!C!_Y. 1!P_4 ,*0/&*&0)!.25! 8 .>2,0&' 1 Q!C/,5&0!:3/!(%) '&*'!"#" c!Pd!*/ ,5&0'Q!V&44!
A,!.V./5,5!:3/!.!'*3/,!3:!D!3!/Z<!! ! !

!

!

! :49;348;<!28!@E;!' \$ # * -% - ' & * \$! , % ! ' & # \$ \$ # ! \$ d " \$ # - \$ / ' \$ N ! " E6<45<!!

!

E,9&'&32!+ .0,F!!

!

N'!!- ./0!3:10% , !C./, ,/!N59.20.> ,!(/3>/ . 1@! .25!&2! .2! , ::3/0!03! ,2*37/ .> ,!'075,20'!03!-7/'7 ,!
- /3: , ' ' & 32 .4! ,Y- , /& ,2* ,!3- -3/072&0& , ' !V%&4 , !.0!L45!+3 1 &2&32! a2&9 , /'&0)@!0% , !C./, , /!
!8 .2.> , 1 ,20!C,20, /!- /3-3' , ' !0% , !5,9,43- 1 ,20!3: !. !C, /0&: &* .0, !3: ! (/3: , ' ' & 32 .4! _Y- , /& ,2* , <!
\$% , !* , /0&: &* .0, !&' *3 1 - /&' ,5!3: !. !: &9 , x* / ,5&0! - /3: , ' ' & 32 .4! ,Y- , /& ,2* , !*3/ , !&2*475&2> ! =20, /2' %&- !
3/!C33- , / .0&9 , ! _57* .0&32! .25! *37/ ' , ' !3: : , / ,5!A) !0% , !C./, , /! 8 .2.> , 1 ,20!C,20, /@! .25! * . / , , /x
:3*7' ,5! *37/ ' , ' !.4/ , .5) !&2! , . *% ! 1 .R3/! *7//&*747 1 @!V&0% !. !1 &2& 1 7 1 !3: !0V,49, !* / ,5&0' ! / ,X7&/ ,5!
:3/!0% , !C, /0&: &* .0, !3: ! (/3: , ' ' & 32 .4! _Y- , /& ,2* , <!N59.20.> , ' !3: !0% , !* , /0&: &* .0, !&2*475,F!!

.< N2! .55&0&32 .4! * / ,5,20& .4!03! 1 . ; , !' * & ,2* , !0 , %2343>) !> / .57.0, ' !1 3/ , !1 . / ; ,0 .A4, !!!

A< +3*7 1 ,20.0&32!3: !*33- , / .0&9 , ! ,57* .0&32!3/!&20, /2' %&- !!!

< N!-30,20& .4!&2 / , . ' , !&2! *33- , / .0&9 , ! ,57* .0&32! / , > &' 0/ .0&32!V&0%370!&2* / , . ' &2> !0% , !030 .4!

27 1 A, /! !3: !* / ,5&0' ! / ,X7&/ ,5! :3/ !> / .57.0&32!3/!A) !- /39&5&2> !. !\9.47, !.55,5] / , . '32!03!

/ , > &' 0, /!&: !0% , !* / ,5&0! !* .2230!A, !. * *3 1 1 35.0,5!&2!0% , !*7//&*747 1 !!!

5< (./0&* &- .0&32!&2! * . / , , /! ,Y-43/ .0&32! .25!R3A! ' , . / *% !0 , %2&X7 , ' !*37/ ' , ' !03! :7/0% , /! ,X7&- !!

> / .57.0&2> ! ' ,2&3/ ' !V&0% !* . / , , /!0334' ! ! `075,20' !V3745! 1 , ,0!V&0% !0% , !. - - /3- /& .0, !C./, , /!

8 .2.> , 1 ,20!C,20, /!U& . &'32!03!3704&2 , !0% , !- /3> / . 1 !3: !'075) !' - , * &: &* !03!0% , !1 .R3/ <!

G3443V&2> !*3 1 -4,0&32!3: !0% , !*37/ ' , V3/ ; @!0% , !C 8 C!U& . &'32!V3745! * , /0&:) !' .0&: . ' *0&32!

3: !0% , ! / ,X7&/ , 1 ,2(32!3: !0)0.2(%,) -0.2(&)02(\$0.2(0) -0.2(!0)0.2(3!:) !0) (&)0.2(*)0.2(:.)0.2: !0, !3: !!

!

" ,) - ' - \$. ! , / ! & R & # 0 . ! & / 0 ! . ' W ,) & # . W - " . !

!

" 23456!28! . ; 3; 5@48K! # ; 54?4; 8@<! = 2>! @E; ! 04; 9; >45E! . 5E237 > < E4?!

!

E, 9&'&32! + . 0, F! T. 27. /) ! " I @ ! " H " H!

!

\$ % , ! : 744! 2. 1 , ! 3 : ! 0 % , ! * % 34 . / ' % & - ! & ' F ! \ \$ % , ! S / & . 2 ! + 32 . 45 ! + & , 5 , / & * % ! . 25 ! G 4 . 9 & . ! N 4 , Y . 25 / . !

"23456!28! . ;3;5@48K!# ;54?4;8@<!=2>!@E;!02A48428!.5E237><E4?!

!

E,9&'&32!+.0,F!T.27./)! "I@!"H"H!

!

` ,4,*0&32!3:!:>/.57.0,! '075,20!'03!/,*,&9,!0%,!.227.4!+3 1&2&32!` *%34./'%&-!V&44!A,!1 .5,!A)!

0%,!+, - ./0 1 ,20!C%.&/@!&2!*32'740.0&32!V&0%!0%,!6 (+<!

!

!

!

!

"23456!=2>!) 4<@48K! ' 28=;>;85;! ">;<;8@7@428<!48!04K4@73! O ;7<:>;<^7HCH7H!@E;!%75:3@6!
&5@4J4@6!. 6<@;A!2>!f%&.g!

!

E,9&'&32!+.0,F! 8 ./*%!J@!"HII!

!

B/%-E!\$%&'!-34&*)!*39,/!'!324)!32,!. '-,*0!3:!0%,!GN`!')'0, 1 <!GN` !>7&5.2*,!2,,5'!03!A,!
,Y-.25,5<!

!

\$%,!4&'0!A,43V!-/39&5,'!>7&5.2*,!32!%3V!03!,20,/!9./&37'!-.-,/'!.25!-/,' ,20.0&32' !&203!
+&>&0.4! 8 ,. '7/, 'F!

I< C32:./,2*,!-/,' ,20.0&32'!3:!.44!'3/0'!P*320/&A70,5!3/.4@!&29&0,5!3/.4!.25!-3'0,/Q!>3!
725,/!k(/,' ,20.0&32'<k!\$% ,/ ,!&'!.-4.* ,!0% ,/ ,!03!&25&* .0,!*320/&A70,5!3!&29&0,5<!!!

!

&""\$ / 0-dN!, (* 0&* \$ 0!" ,) - ' - \$.!

!
!

"23456!=2>'>;7@48K!' 2:>;!/ : AG;><!=2>!&'!'>;94@!!

!

E,9&'&32!+ .0,F!!L *03A,/!I"@"HMH!

`075,20'!V%3!0.; ,!0%,!N(!,Y. 1 !&2!-%)'&*!'*.2!,./2!*/ ,5&0!:3!/0%,!4,*07/,!-3/0&32!3!:!37/!
&20/357*03/)!*37/' , '@!A70!230!0%,!4.A!-3/0&32<!=2!3/5,/!03!/,*,&9,!,X7&9.4,2*)!:3/!(%) '&*!'III@!
II"@"#I@!3/!c`C("E_f@!'075,20'!17'0!.4'3!*3 1 -4,0,!37/!I!*/ ,5&0!4.A!*37/' ,!P(%) '&*!'II#!3/!
IIDQ<!!

=2!3/5,/!03!'0/, . 1 4&2,!0%,!. V./5&2>!3:!* /,5&0!.25!:3/!,. ')!& 1 -4, 1 ,20.0&32!3!:!0%,!2,V!5,>/, ,!
.75&0!'3:0V./ ,@!&0!V3745!A,!3:!:>/, .0!A,2,:&0!03!%.9,!.! *37/' ,!27 1 A, /! . ' '3*&.0,5!V&0%!0%,!
4,*07/,!-3/0&32!3!:!0%,!*4. ' , '<!\$%&'!*37/' ,!V3745!2,9,/!72!.25!'075,20'!V3745!230!A,!.443V,5!
03!'&>2!7-!/:3/!&0!\$%,!5, '* /&-0&32!V3745!230!,Y-4&*&04)!/, : ,/!03!0%,! \4,*07/,0-3/0&32<]!\$%&'!&'!
-./0&*74./4)!& 1 -3/0.20!A,* .7' ,!&:!.!4,*07/,!324)!-3/0&32!3!:!37/!&20/357*03/)!*37/' ,!'V. '!
.9.&4.A4,@!* ,/0.&2!5, -./0 1 ,20'! 1 &>%0!3-0!03!' ;&-!0%,!4.A<!!

G37/!2,V!\ *37/' ,]!V&44!A,!4&'0,5<!\$%,!*37/' ,!5, '* /&-0&32!V&44!/, .5!' 3 1 ,0%&2>!4&; ,!0%&'F!!

(%) '&*!'IZI0IZ"PM!*/ ,5&0'QF!`075,20'!V%3!/,*,&9,!.!#@!D@!3/!Z!32!0%,!N(!(%)'&*!'S!,Y. 1!
.5 1 &2&'0,/ ,5!A)!_ \$`!V&44!A,!. V./5,5!#!*/ ,5&0'!:3/!(%) '&*!'IZI!.25!#!*/ ,5&0'!:3/!(%) '&*!'IZ"<!!

(%) '&*!'ZIF!`075,20'!V%3!/,*,&9,!.!D!3/!Z!32!0%,!N(!,Y. 1!(%) '&*!'C!,Y. 1!P 8 ,*% .2&*!Q!
.5 1 &2&'0,/ ,5!A)!_ \$`!V&44!A,!. V./5,5!#!*/ ,5&0'!:3/!(%) '&*!'ZI<!!

(%) '&*!'ZF!`075,20'!V%3!/,*,&9,!.!D!3/!Z!32!0%,!N(!,Y. 1!(%) '&*!'C!,Y. 1!P_4,*0/&*&0)! .25!
8 .>2,0&' 1 Q!.5 1 &2&'0,/ ,5!A)!_ \$`!V&44!A,!. V./5,5!#!*/ ,5&0'!:3/!(%) '&*!'Z"<!!

PN*07.4!*37/' ,!27 1 A, /'!.25!5, '* /&-0&32'!03!A,!5,0,/ 1 &2,5!&2!*32'740.0&32!V&0%!T75)!
S3V 1 .2Q<!!

\$%,2@!,X7&9.4,2*)!*/ ,5&0!* .2!A,!>&9,2!. '!:3443V'F!!

IZIwII#!u!III!IZ"wIID!u!II"!"ZIwII#!u!"#I!"Z"wIID!u!c`C("E_f !!

=2!.55&0&32@!.2)!32,!:3!:!0%,!\ *37/' ,]!PIZ"@!IZ"@!"ZI@!3/!"Z"Q!u!c`C(#E_f !!

c 30,!0%.0!*/ ,5&0!:3/!(%) '&*!'#"!V&44!230!A,!. V./5,5!A,* .7' ,!0%,!(%) '&*!'C!N(!_Y. 1!P_8 Q!
53, '!230!*39,/!3-0&* '<!!

!

!

!

/ 2A4873!.5E;9:3;12=! 1>79:7@;!\$3;5@4J;! ' 2:><;<!

!

E,9&'&32!+.0,'F!+,* , 1 A,/!"HIMK!"HIZ!

N--/39,5!A)F!(%) '&*!' +, - ./0 1 ,20!G.*740)!

!

=2!3/5,/!03!-/39&5,!>/.57.0,! '075,20!'V&0%!..!:744!/.2>,!3:!*37/' , '!2, ,5,5!:/!..! 1 35,/2!
>/.57.0,! ,57*.0&32@!0% ,!+ , - ./0 1 ,20!V&44!.00, 1 -0!03!3::, /!,4,*0&9,!*37/' , '!A.' ,5!32!0% ,!
:3443V&2>! '*% ,574,F!

!

r NE!I!

G.44!` , 1 , '0,/F!

([r `!dD"!N59.2* ,5! f 8!

([r `!JZD!dZD!N** ,4,/ .03/!(%) '&*!'!

!

`-/&2>!` , 1 , '0,/F!

([r `!JYY!dYY!N03 1 &*W 8 34 , *74./!(%) '&*!'!hQ!

([r `!dJI!f 7.207 1 !G& ,45!\$% ,3/)!!

([r `!dZb!C4.' '&* .4! 8 , *% .2&*!' .25!_4 , *0/3 1 .>2,0&' 1 !&2!N** ,4,/ .03/!(%) '&*!'!

!

r NE!""!

G.44!` , 1 , '0,/F!

([r `!J""!d""!c 7*4 , ./! .25!(./0&*4,!(%) '&*!'=!!

([r `!dZJ!(4.' 1 .!(%) '&*!'!

!

`-/&2>!` , 1 , '0,/F!

([r `!JY)!dY)!C325 ,2' ,5! 8 .00,/!hhQ!

!

ZI