

! "#\$%&'() (*()+, -'. /0123456'35'7080/4935: '#4; 52<306'

=5380<632>'4?'&41@0620<'
"9<35: '(+AB'
C45DE>6*'(-+FB-B+9G'
H#I J"**A+B'

&4K35'I E<D35: '

"#\$%'!() *%+, -\$(. %+/O()1-2342(, 5!
677%2!829\$(4#2+4!)7!:)8%1\$&; 1%2+12<=\$(>+233!=\$&?)) #!@A@!
677%2!=)5(3!!B2. +23. \$C3<D'@EFGG'@E\$#!) (!*C!\$99)%+4#2+4!

L80<830M'

)=H! .)!2&214%+3!H)(>! %+!. 2!2&)9%+/! 1)5+4(%23J! 8)! 1)+42K43! 4-\$4! \$(2! 3921%! 4)!
1)5+4(%23! %+! 4-2!. 2!2&)9%+/! H)(&. ! -\$12! %%9%1\$4%+3! 7) (! 4-2! +\$45(2! \$+. !)92(\$4%)+!
)7!2&214) (\$&9) &%3!4-2(2%+J!L+!4-%!1)5(32!H2!H%&2K9&)(2!\$!+5#*2(!)7!%3523!4-\$4!-\$12!
9\$(4%15&\$!((2&21\$+12!7)(!2&214%+3!%+. 2!2&)9%+/!1)5+4(%23!%+1&5. %+!/1&2+42&3#+\$+. !!)42F
*5C%+/!2&214) (\$&#\$+\$95&\$4%)+! \$+. ! 7(\$5. < 24-+%! !)4%+/! \$+. !2&214) (\$&1%) &2+12. ! L+!
\$.. %)+! H2! H%&1) +3% 2(! -)H! &%#12. ! &2!2&3!)7! %+7) (#\$4%)+! \$+. ! 9) &%4% \$& 1(2. %*%&C!
\$77214! *)4-! 4-2!)92(\$4%)+!)7!2&214) (\$&\$11)5+4\$*%%C! \$+. ! 4-2! +\$45(2!)7!2&214) (\$&
1) #924%%+,!L+!.)%+/!3)<H2!H%&. (\$H!) +!2K\$#9&23!7() #!M7(%\$<N\$4%+!M#2(%\$<\$+. !M3%,!
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&ON; 3<0G0526!

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O&33!9\$(4%1%\$4%)+!P!GEQ!

R% 42(#!P!ASQ!

: (232+4\$4%)+!P!ASQ!

T%+\$&2K\$#!P!UEQ!

!
V-!%! \$! 32#%\$(! 1)5(32< \$+. ! 4-2(27)(2! 9\$(4%1%\$4%)+! %+! 1&33! %! 2332+4\$&, ! W)5! \$(2!
2K92142. !4!)1) #9&242! \$4! &2\$34! 4-2! (2X5%(2. !(2\$. %+/3!3)!4-\$4! C)5! \$(2! \$*!2!4)! 2+/\$/2!
277214% 2&C! %+! 4-2! 1&33! . %1533%)+! H-%! -! H%&! *2! *\$32. !%! &\$/2! 9\$(4!)+! 4-2) (%23! \$+. !

!
V!)1) #9&2#2+4!\$+. !%+7) (#!4-2!1&33!. %1533%)+!2\$1-!H22>!H2!H%&!-\$12!9(232+4\$4%)+3!
*C!4H!)345. 2+43!4-\$4! H%&! 9() ! 2!. 24\$%2. !%+7) (#\$4%)+!)+!\$!3921%! 2&214%+!M3!351-<

"&214%) +3!%+!82!2&9%+/!0) 5+4(%23!PI; 9(%+/!AEGU!

4-232!1\$32!345. %23!H%%!9(232+4!1)+1(242!2K\$#9&23!4-\$4!H%%!2+\$*8!53!4)!7&23-!)54!\$+. !
2!\$&5\$42!4-2!4-2)(%23!\$+. !1)+12943!%+4() . 512. !%+!4-2!(2\$. %+/3.!"\$1-!9(232+4\$4%)+!H%%!
8\$34!7) (!GSFAE! #%-5423!\$+. !H%%!9()1%2!(2&2!\$+4!*\$1>/()5+. !%-7) (#\$4%)+!\$*)54!4-2!
1)5+4(C!%+!X5234%) +!\$&)+/!H%%-!\$!. 24\$%2. !+\$((4%2!)7!4-2!3921%!2&214%)+!5+. 2(!

"&214%) +3!%+!82128)9%+/!0) 5+4(%23!PI; 9(%+/!AEGU!

9&2\$32! &24! #2! >+) H! \$3! 3)) +! \$3! 9) 33%* &2,! L+! 3) #2! 1\$323! L! #\\$C! (2X5%(2! 3599) (4%+/! .) 15#2+4\$4% +! \2,/ !\\$!.) 14) (.3! +) 42!]!) 54!) 7! 7\$(+233! 4) !4-2!) 4-2(! 345. 2+43,! /#0&)&1(2(323%0()&(42%"(5)"*-#"(2&(210%\$(\$6%"&')-&(5)44(0%'#4")&(*%"(4-'(-7(-&%("*)0\$(-7(-&%("4%"%0(102\$%7-0%809(: ; (*-#0'("2"(*%(323%0)'42%"!

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B-%2!!2+1) 5(\$/2!C) 5!4)! . %1533!4-2!1) 5(32!(2\$. %+/3!\$+. !\$33%/#2+43!H%-!C) 5(!72&) H! 345. 2+43< \$&! H(%42+! H) (>! #534! *2! .) +2! %+. 292+. 2+4&C,! : \$92(3! (2X5%(2! 75&! 1%\$4%) +3! &342. !%+\$!1) +3!342+4!7) (#\$4,!N\$34&C<\$&!1&\$33!\$14% !%23!#534! *2!92(7) (#2. !%+\$11) (. \$+12! H%-! 4-2! ^+! 2(3%C!)?!) 7! ?) 1-2342(_3! M1\$. 2#%! =) +234C! :) &1C! \-449`` HHH,(01-2342,(2. 5`1)&2/2`-) +234C]. ! ^+. 2(! ^?! (5&23! !! =#"! (29)(4! 9) 33%* &2! !%\$4%) +3!4) !4-2!a) \$(. !) +!M1\$. 2#%! =) +234C,! : \$\$/\$(%#!%\$!12(C!32(% 53!9() *2#<\$+. ! C) 5!3-) 5&. !9\$C!9\$(4%5&(\$C!1&32!\$442+4%) +!4) !4-2! ^+! 2(3%C_3!(5&23!) +!H-\$4!1) +34%5423! 9&/\$(%#<\$+. !-) H!4) !\$1) % !%,!

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&064; <106!

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?2\$. %+/! #42(%&3! H%&! *2! \$1\$%%*&2!) +! *\$1>*) \$(. <\$4-) 5/-! #+\$+C!1\$+! *2!7) 5+. !2\$3%C!) +&%2!) (! %+! 4-2! &%* (\$C,! L+! \$.. %%) +< 4-2! 7) &) H%+/! (29(232+4! 53275& (23)5(123! 7) (! 9(232+4\$4%) +3!\$+. !233\$C3'!

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"&214%) +3!%+!82128)9%+/!0)5+4(%23!P!;9(%+/!AEGU!

#L=&" .'"#I . 7=H.

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C-4"), 24(! "#\$)%'!UE\GA]!'!GS@@FGSSZ,!
=C. 24; 53\$+,!AEEY,!eV-2!6*32(I2(!"77214!%+!L+42(+\$4%)+\$&!:) 8&4%3'!"1% 2+12!7() #!
\$!C\$45(\$&!K92(%#2+4,f!+-04\$(C-4"), '(ZE\G]!'@YFZ@,!
k2%&2(<k%2\$,!GDD@,!eT\$%(J!B-\$4!=\$3!T\$(+233!k)4!4)!8)!H%-!l4J!I \$/\$(%23!)7!
"&214)(\$&!6*32(I\$4%)+!\$+.!82#)1(\$4%!;4\$+.\$.3,f!/*%(H-#0&24(-7(I -\$%0&(G70),2&(
!"#\$)%'!

"&214%) +3!%+!82128) 9%+/!0) 5+4(%23!PI; 9(%+/!AEGU!

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! "#\$\$%&'')O*, O-. 'C3D20<G'
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! 45\$&6'75"89'
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! "#\$\$%&: ')O*(/-.'U420'V; >35: '
B-\$4!%! I)42!*5C%+/J!=)H!.)23!%!H(>J!B-)32!I)423!/24!*)5/-4J!=)H!.)23!%!\$77214!
. 2#)1(\$1CJ!L3!%!#)(2!%>2&C!%!. 2128)9%+/!1)5+4(%23J!B-CJ!=)H!1\$+!H2!#2\$35(2!%!J!
=)H!1\$+!%!*2!(2. 512. J!
F2'%'!V\$%-H\$+!GDD@<V-\$%\$+. !AEEG,!!
>%2\$)&1'.(
; 1-\$772(< T(2. 2(%! 0-\$(%23! \2. ,]! AEEY,! J4%, ") -&'(7-0(!24%! /*%(F2#%'(2&\$(
F-&'%N#%&, %'(-7(A- "%(0#9)&1!a) 5&. 2(<06'!NC++2!?%2++2(,!0-\$942(3!GFU,!
I%12+42! : 2. ()! 0,! AEG@,! eL3! I)42F*5C%+/! "77214! 2J! "1% 2+12! 7()#! \$! T%2&. !
"K92(%#2+4!%+!B234!M7(%\$,f!/*%(J, -&- =), (H-#0&247) (4-1) #%+/!
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>%8)%5(-7(C-4)",24(!,)%%&,%!D'!@DYFUAU,!
0)&%2(4: \$5&!AEED,!+20'?(@#&'?(2&\$ (A- "%'.(B%=-,02,9()&(B2&1%0-#' (C42,%',!C2H!
W)(>'!= \$(92(0)&%+3,!0-\$942(!A,!
0-\$+.(\$dg\$+1-\$+.!AEEY,!e0)5+4%-/!=2\$.3"!M!V-2)(C!)7!I)42(!\$+.!"%2!a2-\$!%(!
%+!: \$4()+\$/2!82#)1(\$1%23<f!%+!g%431-2&!\$+..!B%>%+3)+!\2.3,!]C2"0-&'?(F4)%&"'(2
2&\$(C-4),%)'?!0\$#*(% /2'!0\$#*(% /2'!^+%"2(3%CI:(233,!
:)3+2(4 8\$+%2&!AEES,!
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a23&2C< V%#)4-C! \$+. ! R\$3\$C5>% g5. \$#\$435,! AEEZ,! e=2\$#4-! \$+. ! 82#)1(\$1C,f!
G=%0), 2&(J, -&-=), (>%8)%5!DZ\A]!@G@F@G[,!
g2272(< : -%%9,! AEEU,! eB-\$4! 8)23! :)%%\$&! "1)+) #C! V2&! ^3! M*)54! "1)+) #%%!
8212&9#2+4!P!M+. !! %12! 2(3\$Jf!G&(>%8)%5(-7(C-4)", 24(!,)%, %!Y'!AUYFAYA,!
(

! "#\$%&'(0')1*+(-.'J114; 52EK3/32>'(!!
=)H!1\$+!4-2!) *34\$1&23!4)!\$11)5+4\$ *%%C!%+!. 212&9%+/!1)5+4(%23!*2!)12(1)#2J!V)!H-\$4!
2K42+4! .)23! \$11)5+4\$ *%%C!)92(\$42! %+!. 212&9%+/! 1)5+4(%23J! B-\$4! %! 4-2! 277214!)7!
. 2#)1(\$1C!) +! 4-2! 9()!%+!)7! 95*%%! /) . 3! \$+. ! 32(1%23J! =)H! .)! H2! >) H! 4-%! %!
(2&42. !4)!\$11)5+4\$ *%%C!
F2'%'.(^/\$+. !\$GDDY<R)+/)%%!AEG@!
>%2\$)&1'.(
= \$(. %+/!?) *%+\$+. !8\$1% !; 4\$3\$1\$/2,!AEG@,!eB-\$4!82#)1(\$1C!8)23!\\$+. !8)23+_4!
8)]!7) (!a\$3%!; 2(1%23'; 1-))&T223<; 1-))&L+9543d\$+. !M7(%\$+!"&214%+3,f!H-#0&24(
-7(C-4)", '!) (4-1) #%/!,!
a23&2C< V%#)4-C!\$+. !?) *%+\$!. a5(/233,!AEEA,!eV-2!:)%%\$&! "1)+) #C!)7!k)12(+#2+4!
?239) +3% 2+233! V-2)(C! \$+. ! "1% 2+12! 7() #! L+. %\$, f! /*%(W#20%"049(H-#0&24(-7(
J, -&-=), '!GGY\U]!GUGSFGUSG,!
T5b%H\$(d< V-) #3! \$+. ! N2) +\$(. ! B\$+41-2>+,. AEG@! e0\$+! L+7) (#2. ! : 5*%%!
82%%*2(\$4%)+! 612(1) #2! 0%2+42%%#J! "K92(%#2+4\$&! "1% 2+12! 7() #! a2+%, f!
G=%0), 2&(J, -&-=), (H-#0&24.(G334)%\$(J, -&-=), '(7) (4-1) #%/!,!
T2((2d< 0&\$5. %)!\$+. ! T(2. 2(%)! T%+\$+, ! AEE[. ! e^K9)3%+/!0) ((594! :)%%\$+3'! V-2!
"772143!) 7!a(\$d%_3!: 5*%%&C! ?2&2\$32. !M5. %3!) +!"&214) (\$&6541) #23,f!/*%(W#20%"049(

!

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"&214%) +3!%+!8212&)9%+/!0)5+4(%23!PI; 9(%+/!AEGU!

J!! . W7%<-'Y; <2@0<'&OED35: '

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"&214%)+3!%+!8212&9%+/!0)5+4(%23!P!;9(%+/!AEGU!

8) #234%!L+12+4%&23!7) (!:)34F" &214%)+!! %)&2+12,f!L&3#E4)' *%\$(=2&#,0)3" &

! "#\$%&: ')0*(/-.'U420'V; >35: '
B\$+/&0-%&F; -)5!\$+. !0-\$(&23!g5(d#\$+,!AEEY!eV-2!N)/%34%13'!=)H!4)a5C!!)423< f!
%+!; 1-\$772(!\2. ,!]J4%, "-& '(7-0(!24%!/ *%(F2#'%'(2&\$(
!

"&214%+3!%+!82128)9%+/!0)5+4(%23!PI;9(%+/!AEGU!

!"#\$\$%'(+')1*(1-.'J114;52EK3/32>'A!

g2272(<:-%%9,!AEEY,!eO&2+42&3#<0(2.%*%%C<\$+.!4-2!:)%%C!O-)%%23!)7!W)5+/?
82#)1(\$1%23,f!G=%0),2&(H-#0&24(-7(C-4)),24(!,)%,%(YRZ;[.(\\S;M\N:R<!=\$(.%+/<?) *%!,!AEG@,!eM44(%54%)!+\$+.!M11)5+4\$*%%C'!1)4%+/!7)(!?)\$.3!.%+!
K-\$+\$,f!L&3#E4)'*%\$(I2&#,0)3"<
N%+.*2(/<4\$77\$+!L,!\$+.!R%+)+!g,!0,!R)((%)+,!AEEY,!eM(2!M7(%\$+!1)42(3!?2\$&C!
"4-+!1)(!0&2+42&34%J!;5(I2C!"1%2+12!7()#!K-\$+\$,f!C-4"),24(!,)%,%(W#20%"049!
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;4\$3\$1\$/2<8\$1%,!AEES,!eV-2!?)&2!)7!82#)1(\$1C!%+!^/\$+.\$_3!R)12!4)!^+!2(3\$&!
:(%#\$%(C!"51\$4%+,f!H-#0&24(-7(I-\$%0&(G70),2&(!#"%)!U@G]!S@FY@,!MI(%d2(<N2)+\$(.),!AEED,!C20"),)32"-09(K&'"")#)-&'()&(B%=-,02"),(0020)&B\$3-%+/4)+<8,0,!B)).()H!B%3)+!02+42(!:(233,
g2272(<:-%%9!\$+.!;454%g-2#\$+\$+!AEGG,!eR\$33!R2.%!\$+.!:5*%%!;2(1%23!V-2!
"772143!)7!?\$,.%)!M11233!%+:5*%%!".51\$4%+!%+!a2+%,f!+-04\$(O2&P(C-4),9(>%'20,*
+-0P)&1(C23%0(SSSD<

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