

!

!''#\$%&'#()*+,* - +.&/0+*1+2.0%&*
3%4/&(5%'(+,*67+'+5#7'*
!

"#\$%&'#()*+),-*)!
.#()*&/),-*)0/\$!\$#),.\$&- ,2!
@787A!69>BC98D!
E - .5(F-G!+)*H)5!
IFFJ5GKK/)*H)5&/!\$#),.\$&- ,2!

3/\$*\$4(/5!6789!
:\$*\$#5!;-4(*)#(!=)1!>8?9!
L%%(/-!:\$2#5G!M! ?G88B7G88!"N!
3/\$*\$4(/5!>8DO!
LFI-#!F(4-5!.P!)JJ\$(*F4-*F!@Q25F!5-* ,!)!*-B4)(1A!
!
!

!
MR!#-5\$2#/-!@5I)#- ,!S(FI!6D6DAG!
T)2#-*!;/I-/IF-#!
T)2#-*!;/I-/IF-#0/\$!\$#),.\$&- ,2!
L%%(/-!:\$2#5G!N! ?B7U!MKMI!9G78B
??G88!RNU!.P!)JJ\$(*F4-*F!
3/\$*\$4(/5!68?!)
!
!

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- +2&'%*3%'7(#+'**

MI(5!(5!FI-!(#5F!/\$2#5-!(*)!FS\$B/\$2#5-!5-V2-*/-!, -5(W*- ,!F\$!\$%-#!52JJ\$#F!) * ,!5F#2/F2#-!F\$!
5F2, -*F5!S#(F(*W!I\$*\$#5!FI-5-5!(*!3/\$*\$4(/5&!X*!\$#, -#!F\$!/\$4J1-F-!FI(5!/\$2#5-!52// -55%2!1P!) * ,!F\$!
.-!#-), P!F\$!/\$*F(*2-!S\$#Y!(*!FI-!5J#(*W<!5F2, -*F5!425F!S#(F-!)#-5-)#/I!J#\$J\$5)l&!MI(5!J#\$J\$5)l!
S(1!/\$*5(5F!\$%!42!F(J1-!J)#F5G!
!
?& O#)%F!(*F#\$, 2/F(\$*!Z!

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- +2&'%* : /(%&#/.!*

MI-#-!(5!*\$!#-V2(#-,!F- JF. \$\$Y!%\$#!FI(5!/\$2#5-!MI-!4)F-#()!F\$! . -!4)5F-#- ,!S(1! . -!/\$H-#- ,!(*!
1- /F2#- !*\$F-5!) * ,!(*B/1)55!-]-#/(5-5<!)1!\$%\$!S I(/I!S(1! . -!)H(1) . 1-!\$*!FI-!+)*H)5!S- . 5(F-!&!

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N\$5F!5F2, -*F5!S#(F-!) *!- 4 J(#(/)!)FI-5(5<!) * ,!(F!(5!/\$ 4 4 \$*!F\$!25-! ;MRMR!%\$#!,)F)!) *)!P5(5!&
;F2, -*F5!S I\$!S(5I!F\$!J2#/I)5-!FI-(#!\$S*!/\$JP!\$%! ;MRMR!V2)1(%P!%\$#!)!52.5F)*F()! , (5/\$2*F!
FI#\$2WI!FI-! ^*(H-#5(FP_5!`#), "1)*&!N\$#-!(*\$#4)F(\$*!(5!)H(1) . 1-!FI#\$2WI!)!(*Y!J\$5F- , !\$*!FI-!
+)*H)5!S- . 5(F-!&!X!#- /\$ 4 4 -* , ! ;F)F)KX+&! "#(/-5!)#-!aD9!%\$#!)!\$*-BP-)#!(/- *5- <!) * , !a?9D!%\$#!)!
J-#J-F2)!)!(/- *5- &!!!

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!

; %92#&% 5 %''('/*''0* <&/0#''=*

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>#''/. * <&/0%!MI-!J#(4)#P! , -F-#4 (*)*F!\$!P\$2#!W#) , -!(*!FI(5!/\$2#5-!S(1! . -!FI-!V2)1(FP!\$#!FI-!
J#\$J\$5)!)52. 4 (FF- , !)F!FI-!- * , !\$%!FI-!5- 4 -5F-#&!X!S(1!-H)12)F-!FI-!J#\$J\$5)!)5!FI#- -!/(F-#()G!I\$S!
S-1!FI-P!)#F(/2!)F-!)! /1-)#!#-5-)# /I!V2-5F(\$* <!I\$S!S-1!FI-P!-]J1)(*!FI-!-]J- /F- , !/\$*F#(. 2F(\$*!F\$!
FI-!1(F-#)F2#- <!) * , !S I-FI-#!FI-!J#\$J\$5- , !4 -FI\$, \$!\$WPI@)* , ! ,)F)!(%)JJ1(/) . 1-A!)#-!)JJ#\$J#()F-!F\$!
) *5S-#!FI-!V2-5F(\$* &!X!H(-S !FI-!\$FI-#!/\$2#5-!)55(W* 4 -*F5<!(*/12, (*W!J--#!- , (F(*W)!) * ,
J)#F(/)F(*W!(*!J#-5-*F)F(\$*5!)5! . \$FI!J#-5-*F-#!)* , !)2 , (-*/-!4 - 4 . -#<!J#(4)#(1P!)5!(*J2F5!(*F\$!FI-!
%(*!)! , \$/24 -*F&!X!S(1<!I\$S-H-#<!/ \$*5(, -#!FI-5-!(*J2F5!S I-*!)55(W*(*W!P\$2#!%(*!)!W#) , -<!
-5J-/()!1P!(%!FI-(#!V2)1(FP!(5!*\$F(/-) . !P!I(WI-#!\$#!\$S-#!FI)*!FI-!%(*!)!J#\$J\$5)!)5&!

!

@+' +&'8&+ =&/ 5 * ; %=#'(&/(#+'?'*M\$! , -%-* , !) *!I\$*\$5!FI-5(5!(*! ; J#(*W!>8>8<!P\$2!4 25F!#-W(5F-#!
P\$2#!FI-5(5! . P!7688!" N!\$*!L/F\$. -#!?<!>8?9&!R!1(*Y!F\$!FI-!#-W(5F#)F(\$*!J)J-#S\$#Y!(5!)H(1) . 1-!\$*!

FI-!+)*H)5!S- . !J)W-(5 0 5)- 0 . 2((0 . 2(W* 4) 0 . 2(-) 0 . 2(*FTf[(S) f 4 12589q 0 0 0 . 24 1258#5 0 18 0 m4 1258#

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!

Y(B%&* - +2&'%G'',+& 5 /(#+'* /'0*8+.#7#%'*

!

G 5 5 #=&/(#+'*(/(2'?*FI-!S-. J)W-!S S S &/!\$#), \$&- , 2k2* , \$/24 - *F- , !/\$*F)(*5!(%\$# 4)F(\$*!
#-W)#, (*W!/) 4 J25!#-5\$2#/-5!)H(1) . 1-!%\$#15F2, -*F5!) * , !- 4 J1\$P--5!S (FI!OR+R!5F)F25&!b \$2!5I\$21, !
)15\$!%--!%#--!F\$!, (5/255!P\$2#15F)F25!) * , !)*P#-1)F- , !(552-5!S (FI!"#\$%&+), -*)&!X!S(1! , \$!4 P! . -5F!F\$!
J#\$H(, -!)JJ#\$J#(F-!)/\$ 4 4 \$,)F(\$*!\$#!/\$** - /F!P\$2!F\$!FI-! 4 \$5F!)JJ#\$J#(F-!\$*B/) 4 J25!
#-5\$2#/-5&!

!

MI-!Y,,#7%*+,*Z#7(#5 *F''#'(/''7%*@L \ RA!J#\$H(, -5!%#--!) * , !/\$*(, -*F()!(%\$# 4)F(\$*!
/\$*52!F)F(\$*!52JJ#\$F<!), H\$ /) /P!) * , !5I\$#F!F-#4 !/\$2*5-1(*W!5-#H(/-5!F\$! ^*(H-#5(FP!\$#!+\$!\$#) , \$!
' \$2! , -#!5F2, -*F5<W#), 2)F-!5F2, -*F5<L%) /2!FP!) * , !5F)%%!S I \$!I)H-!-] J-#(-*/- , !)!F#)2 4)F(/<!
, (5F2# . (*W!\$#!(%) - ! , (5#2JF(H-!-H- *F&!L \ R!(5!*\$F!)J)#F!\$!FI-!J\$!(/-! , -J)#F 4 - *F!\$#!FI-!L%%(/ -!\$#!
X*5F(F2F(\$*)!3V2(FP!) * , !+\$ 4 J1() * /-<!) * , !(5!/\$*(, -*F()!#-5\$2#/-!%\$#15F2, -*F5<15F)%%) * , !%) /2!FP!
MI-(!S-. J)W-!(5!S S S &/!\$#), \$&- , 2k\$H!) * , !FI-P!/) * ! . !#-)/I- , !. P!JIS*-!)F!787&69>&DDee!) * , !
. P!-B 4)(!)F!)55(5F 0 /!\$#), \$&- , 2!!

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Y(B%&* ! '\$%&'#() *8+.#7#%'?*

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3#'/ [#.#() *F77+ 5 5 +0/(#+'*

X%!P\$2!V2)1(%P!%\$#!) // \$ 4 4 \$,)F(\$*5! . - /)25-!\$%! , (5) . (1(FP<!J1-)5-!52 . 4 (F!P\$2#!) // \$ 4 4 \$,)F(\$*!
1-FF-#!%\$ 4 !O(5) . (1(FP! ; -#H(/-5!F\$!P\$2#!%) /2!FP! 4 - 4 . -#(!*)!F(4-1P! 4)** -#!5\$!FI)F!P\$2#!* - , 5!/) *!
. -!) , #, -55- , &!O(5) . (1(FP! ; -#H(/-5! , -F-# 4 (*-5!) // \$ 4 4 \$,)F(\$*5! .)5- , !\$*! , \$/24 - *F- , ! , (5) . (1(F-5!
(*!FI-!)/ , - 4 (!-!H(\$* 4 - *F&!X%\$# 4)F(\$*!\$#!#-V2-5F(*W!)/ \$ 4 4 \$,)F(\$*5!(5!I\$ /)F- , !\$*!FI-!
O(5) . (1(FP! ; -#H(/-5!S-. 5(F- &!+\$*F) /F!O(5) . (1(FP! ; -#H(/-5!)F!787B69>BDfC?!)\$#!
. 5(%\$ 0 /!\$#), \$&- , 2!%\$#!%2#FI-#!)55(5F) * /-&!X%!P\$2!I)H-!)!F- 4 J\$#)#P! 4 - , (/)!/\$* , (F(\$*!\$#!
(*Q2#P<15--!M- 4 J\$#)#P!N- , (/)!+\$* , (F(\$*5!2* , -#!FI-! ; F2 , -*F5!F) . !\$*!FI-!O(5) . (1(FP! ; -#H(/-5!
S- . 5(F- &!)

!

-./''&++ 5 *1%B/\$#+&*

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; F2 , -*F5!) * , !%) /2!FP!-) /I!I)H-!#-5J\$*5(. (1(FP!%\$#! 4)(*F)(*W!) *!)JJ#\$J#(F-!1-)#*(*W!
-*H(\$* 4 - *F&!MI\$5-!S I \$!%) (1F\$!) , I-#-!F\$!52/I! . -I)H(\$#!)15F) * ,)# , 5! 4)P! . -!52 . 0- /F!F\$! , (5/(J1(*- &!
"#\$%-55(\$*)1!/\$2#F-5P!) * , !5-*5(F(H(FP!)#-!-5J-/()!P!(4 J\$#F) *F!S (FI!#-5J- /F!F\$!(* , (H(, 2)15!) * , !
F\$J(/5! , -)1(*W!S (FI!#) /-<!/!\$#!<*)F(\$*)!\$#(W(*!5-]<J#-W*) * /P<!)W-<!, (5) . (1(FP<!/#-- , <!#-1(W(\$*<!
5-]2)!\$#(-*F)F(\$*!W-* , -#!(, -*F(FP<!W-* , -#!-]J#-55(\$*<H-F-#)*15F)F25<J\$!(F(/)!)%(1)F(\$*!\$#!
J\$!(F(/)!)J!I(\$5\$JIP&!!+1)55!#5F-#5!)#-!J#\$H(, - , !F\$!FI-!(*5F#2/F\$#!S (FI!FI-!5F2 , -*F5!1-W)!!*) 4 -&!X!
S(1!W1) , !P!I\$*#!P\$2#!#-V2-5F!F\$!) , #, -55!P\$2! . P!) *!)IF-#*)F-!*) 4 -!\$#W-* , -#!J#\$*\$2*! "1-)5-!
) , H(5-! 4 -!\$#!FI(5!J#-%-#-*/-!-)#P!(*!FI-!5- 4 -5F-#15\$!FI)F!X! 4)P! 4)Y-!)JJ#\$J#(F-! /I) *W-5!F\$! 4 P!
#- /\$# , 5&!!=\$#! 4 \$#-!(%\$# 4)F(\$*!5--!FI-!J\$!(/(-5!\$*! /1)55\$S\$ 4 ! . -I)H(\$#!) * , !FI-! ; F2 , -*F!+\$, -!\$#!
+\$* , 2/F&!

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@+''+&* - +0%*

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R1!15F2 , -*F5!-*\$#11- , !(*)! ^*(H-#5(FP!\$#!+\$!\$#) , \$!' \$2! , -#!/\$2#5-!)#-!#-5J\$*5(. 1-!%\$#!Y*\$S(*W!
) * , ! , I-#(*W!F\$!FI-! : \$*\$#!+\$, -&! \ (\$!)F(\$*5!\$!FI-!J\$!(/P! 4)P!(* /12 , -G!J1)W()#(54 <! /I-)F(*W<!

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. -!#-J\$#F-, !F\$!FI-!: \$*\$#!+\$, -!@IS*\$#O/\$!\$#), \$&- , 2AU!787B69>Beee8A&!; F2, -*F5!S I\$!)#-!%\$2*, !
#-5J\$*5(. 1-!%\$#!H(\$!)F(*W!FI-!)/), - 4(/!(*F-W#(FP!J\$!(/P!S(11! . -!52 . Q-/F!F\$!*\$*)/), - 4(/!5)* /F(\$*5!
%# \$4 !FI-!: \$*\$#!+\$, -!)5!S-11!)5!)/), - 4(/!5)* /F(\$*5!%# \$4 !FI-!%)/2!FP!4-4 . -#&!R, , (F(\$*)!
(*%\$#4)F(\$*!#-W)#, (*W!FI-!: \$*\$#!+\$, -!)/), - 4(/!(*F-W#(FP!J\$!(/P!/)*)! . -!%\$2*, !)F!FI-!: \$*\$#!+\$, -!
L%%(/-!S-.5(F-&!

!

J!L2/. * : #'7+'027(*3#7 #'/(#+'*@/&/' ' 5 %'('/'0H+&* ; %./(%0* ; %(/.#/(#+''*

!

MI-!^*(H-#5(FP!\$%+\$!\$#), \$!' \$21, -#!@+ ^!' \$21, -#A!(5!/\$4 4 (FF-, !F\$!%\$5F-#(*W!)!J\$5(F(H-!)*, !
S-1/\$4 (*W!1-)#*(*W<S\$#Y(*W<!) * , !!(H(*W!-#H(\$*4 - *F&!+ ^!' \$21, -#!S(11!*F!F\$1-#)F-!)/F5!\$%!
5-]2)!!4(5/\$* , 2/F!@(* /12, (*W!5-]2)!!)55)2!F<-]J!\$F)F(\$*<!I)#)554 - *F<!,)F(*W!\$#!, \$4 -5F(!
H(\$1-*/-<!) * , !5F)IY(*WA<!, (5/#(4(*F(\$*<!I) * , !I)#)554 - *F! . P!4-4 . -#5!\$%!\$2#!/\$4 4 2*(FP&!
X* , (H(, 2)15!S I\$! . -1(-H-!FI-P!I)H-! . --*!52 . Q-/F!F\$!4(5/\$* , 2/F!\$#!#-F)I()F\$#P!)/F(\$*5!%\$#!#-J\$#F(*W!
)!/\$*/-#*!5I\$21, !/\$*F)/F!FI-!L%%(/-!\$%!X*5F(F2F(\$*)!13V2(FP!) * , !+\$4 J1() * /-!@LX3+A!)F!787B69>B
>?>C!\$#! /2#-J\$#F O/\$!\$#), \$&- , 2&!X*%\$#4)F(\$*!) . \$2F!FI-!LX3+<!2*(H-#5(FP!J\$!(/(-5<!)**\$P4\$25!
#-J\$#F(*W<!) * , !FI-!/) 4 J25!#-5\$2#/-5!/) * . -!%\$2* , !\$*!FI-!LX3+!S - .5(F-&!!

"1-)5-!Y*\$S!FI)F%) /2!FP!) * , !(*5F#2/F\$#5!I)H-!)!#-5J\$*5(. (1(FP!F\$!(%\$#4 !LX3+!S I-!*!4) , -!)S)#-!
\$%!(*/(- *F5!\$%15-]2)!!4(5/\$* , 2/F<!, (5/#(4(*F(\$*<!I)#)554 - *F!) * , K\$#!#-1)F-, !#-F)I()F(\$*<!F\$!- *52#-!
FI)F!(* , (H(, 2)15!(4 J)/F-, !#-/- (H-!(%\$#4)F(\$*!) . \$2F!\$JF(\$*5!%\$#!#-J\$#F(*W!) * , !52J\$#F!#-5\$2#/-5&!
*

; %.#=#+2 '*Y ['%&\$/' '7%'*

+) 4 J25!J\$!(/P!#-W)#, (*W!#-1(W(\$25!\$.5-#H)* /-5!#-V2(#-5!FI)F!%) /2!FP!4)Y-!-H-#P!-%%\$#F!F\$!, -)!!
#-)5\$*) . !P!) * , !%)(#!P!S(FI!)1!5F2, -*F5!S I\$<!. -/)25-!\$%!#-1(W(\$25!\$.1(W)F(\$*5<!I)H-!/\$*%1(/F5!S(FI!
5/I-, 2!-, !-]) 4 5<!)55(W

!