

!

"#\$!%&'()\*!+,&--.-/!0122.(!)!

%))(.-/!#/)-3&!

!

"#\$%&'()\*!+,%.!/\*!01213!4!5!22!(676!

8#(9:;..<%&!8<9>;%;9:;!?<<73!@-A9;%&=!

B(..!?!?<<7!CC1!

!

!

2D!!!!E;.:<7;! (9' !F9G%<' \$:G-<9&!

OD!!!!H; I !8(7, \$&!J (&G; %K.(9L!!!?-: #!M<<9; !N!

O; P!B<%9; %!

CD!!!!Q(:.-G-; &!@; %R-:; &!S, ' (G; !

TD!!!!

"#; !9; I !8J K\*!G#%<\$A#!-9G; A%(G-9A!%; &; (%: #!(9' !G; (: #-9A\*!I -..!: (, -G(-b; !<9!G#; !  
#-A#!9\$ 7P; %!<>!%; &; (%: #' <..(%&!; ; %!&G\$' ; 9G6!

!

8#\$: Y!&\$AA; &G; ' !-9: .\$. ' -9A!&< 7; !, #<G<&!&#<I -9A!' ;>:-; 9G!. (P&!a-9!( ' ' -G-<9!G<!  
, #<G<&!I -G#!A<<' !. (P&D6!

!

M-..!&\$AA; &G; ' !I ; !: <\$.' !&#<I !G#; !%; &; (%: #!%; G\$%9!>%< 7!9; I !P\$-' -9A&6!?-: #!  
&\$AA; &G; ' !G#(G!E ??M!: (9!P; !(9!; ](7, .; 6!

!

@G; R; !J \$%, #)!&\$AA; &G; ' !G#(G!G#; !, (%G9; %&#-, &!(9' !<\$G%; (: #!; .; 7; 9G&!(%; !-A#G6!  
c7, #(&-b; !G#(G!S+Q!-&!(GG%( : G-9A!#-A#!: (.P; %!-9&G-G\$G-<9&!a; 6A6\*!F+?8\*!88B?8D6!  
O; &: %P; !I # (G!F+?8!(9' !88B?8!#(R; !P%<\$A#G!G<!; (7, \$&6!"#-9Y!7<%; !: <9: %; G; .)!  
(P<\$G!, <&&-P.; !\$&; &!<>!G#; !, .(99; ' !, (%G9; %&#-, !(%; (&6!H; ; ' !G<!-9: .\$. ' ; !>-A\$%; !  
9\$ 7P; %&!><%!(..!9(7; ' !>-A\$%; &6!` \$Y<9!O%R; !9; ; ' &!G<!P; !. (P; .; ' !<9!(..!7(, &3!G#; %; !  
(%; !7(9)!%; >; %; 9: ; &!G<!-G6!

!

O<\$A!&\$AA; &G; ' !. (P; .-9A!&< 7; !; .; 7; 9G&!<9!G#; !7(, &!a; 6A6\*!&G%; ; G!9(7; &D6!

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@: <GG!(&Y; ' ! (P<\$G!, .(9&!G<!, %; &; 9G!G#; !%; R-&-<9!G<!G#; !A%; (G; %!; (7, \$&6!O; P!

\<9(G#(9!, (&& ' !<\$G!(!7 (, !! -G#!Q(:-.G)!@; %R-; ; &=!, .(99; ' !: <9&G%\$:G-<9!, %<d; :G&!><%IG#; !0121!: <9&G%\$:G-<9!&; (&<96!

!

F(9!(&Y; ' !(P<\$G!G#; !, <&&-P-.G)!<>!( ' ' -9A!(!P-Y; !, (G#!-9!: <99; :G-<9!| -G#!G#; !&; | ; %!>9; !, %<d; :G6!\<9(G#(9!%; , .-; ' !G#(G!G#; !P-Y; !, (G#!| <\$.' !%; ^\$-%; !>\$9' -9A!>%<7!(!>' ->; %; 9G!&<\$%: ; !(9' !G#(G!>\$9' -9A!-&!9<G!(R(-.(P.; 6!

!

F(9!(&Y; ' !->!G#; %; !-&!(9)!K?!(P<\$G!G#; !: <9&G%\$:G-<9!<>!G#; !; 9; %A)!; >>.-; 9G!P\$-. ' -9A!(G!Q<%G!` \$Y<96!\<9(G#(9!P; .-; R; &!G#(G!88?8!| -.!. -Y; .)!; %<7 <G; !G#; !K?!><%IG#; !>, %<d; :G6!

!

O-(99; !(&Y; ' !->!; %<R-' -9A!+O+!( : ; &&!G<!G#; !, (G-<!G!G#; !8#(9; ; ..<%=&!#<\$&; !-&!<9!G#; !, %<d; :G!-&G6!\<9(G#(9!(9' !H-: <. ; !! -.!>9' !<\$G6!

!

Q(:-.G-; &!| -..!P; !' <-9A!&<7; !ZF@!| <%Y!a-9: .\$. ' -9A!\$&; !<>!UFO+?!G<!' <!CeO!7 (, , -9AD!| -G#!S+!@G(G; | -' ; 6!

!

Q(:-.G-; &!-&!&G-..!' ; R; .<, -9A!(!, .(9!><%!V.' !SK(%Y!G<!&; , (%(G; !G#; !! ; &G!| -9A!>%<7!G#; !%; &G!<>!G#; !P\$-. ' -9A6!Q-%; !8#-; >!| -..!P; !, %<R-' -9A!: <7 7; 9G&6!?!; 9<R(G-<9&!| -..! : <&G!fg211 [3!7 <R-9A!: <&G&! (%; !fg201 [6!O; P!G(.Y; ' !(P<\$G!G#; !7 <R-9A!, .(9&6!

!

<7A5122.())!B): 1\*(C!81\*(@!0&2: 7'!

@\$P: <77-GG; ; !I -..!P; !7; ; G-9A! -G#!G#; !"; %%-!h-; %; : Y\*!I #<!I -..!P; !, %<R-' -9A!>\$9' &! G<!-7, %<R; !&-A9(A; !><%!G#; !h-; %; : Y!""%(-.6!

!

@<7; !H8!&-A9&!I -..!#(R; !G<!P; !%; e' <9; \_%; R-&; ' !P; : (\$&; !U\$Y; !B<, Y-9&!-&!G#; ! 9(7; ' !H8!: <9G(: G6!

!

J (-9G; 9(9: ; !, <%G-<9!<>!G#; !+%7)!8<%, &! : <9G%(: G!I (&!9<G!: <7, ..; G; ' 6!""#; !\$&; ! , <%G-<9!<>!G#; !, ; %7-G!#(' !P; ; 9!&\$P7-GG; ' 6!H-: <. ; !#(&!(&Y; ' !G#; !+%7)!8<%, &!><%! (9!; ]G; 9&-<96!FG!&; ; 7&!(9!; ]G; 9&-<9!I -..!P; !A%(9G; ' 6!

!

O; P!(99<\$9: ; ' !><%7(G-<9!<>!9; I !8#(9: ; ..<%=&(' R-&8#)%)(\$ )4(, )4&!<9!9(7-9