!

" #$$#%&'%()*(#+'&&! , - . /(00 . -! . /! 1 '0& . -23!45(!6 7 (-'8#%! 9 %'+(-0'&2! . /! , #-'0!

: '-(8& . -3! *! "#$'"%&'(%& ! %)$)*+,& - " . (*%+*/&0$12)"3!

600 . 8'#&(! ; <'& . -3! *4 ##+,"3&6)3$()%"&"$&0*)"#*"3&0(*)+,"3&

: '-(8&(=-!<(!>=?$'8#&' . %07&89"&8(*:1";),,"&<";)"=>?+&<";1"&8(*:1";),,">8(*:1";),,"@A&

@ .) ; <'& . -3!B#$'"%#+$)(#+,&C(,)$)*+,&0*)"#*"&4D3$%+*$3!

AB!C=#'!<▯E-0#23!FGHHF! , #-'0!

00# I 2(- J #=>⅄/-!

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!

LHHM)>-(0(%&! ! -(0(%&

LHSG)>-(0(%&! !

LHSG! *Z(1#2+%)"3&('&$9"&O$+$"&)#&E#)$"2&O$+$"3& 6)3$(%/7&8.)(<'&.-! I '&5!d# 7 (0!4K!Q>#--. I !#%<!*
b '$$'# 7 !X . +#c!Y@5'8#P . `!9%'+(-0'&2! . /!@5'8#P . ! , -(00Z!

!

LHSG! ; <'&.-3!*Z"/(#2&O$+$", "33& - " . (*%+*/*

!
LHLH!

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LHHM!! [, $#8'%P! Q . +(-('P%&2`! : ( 7 . 8-#&'8! 8#>'&#$0! #0! #%! *9)3$()%"LH%(D,` . "3\! ?+& <";1"&*
8(:1";),,"7&O . $K!o oWo3!%x!L3!>>!BG)SSHK!!*

!

LHHF!! [6! p=(0&' . %! . /! * '/(! . -! : (#&5`!6<7 '%'0&-#&'+(!" . <'(0!#%<!6<7 '%'0&-#&'%P!" . <'(0!
'%! X '%(&((%&5)@(%&=-2! , #-'03\! '%! X)",23& ('& FGH"%$)3"0& 4& ! (. H+%+$);"& 6)3$(%/& ('&
FGH"%$&C%(*"21%"3&)#&C+%)3&+#2& ? (#2(#7&A f QQ&$(&H%"3"#$K!@K!] #?' (-3! (<K!Y@# 7 ?-'<P(`!
@# 7 ?-'<P(!Q85 . $#-0! , -(00Z3!>>K!LBS)VSGK!!

!

LHHG!! [* . 8#&'%P! &5(! @(%&(-`! @ . %/'%'%P! #%<! : (/'%'%P! &5(! @#>'&#$! &5- . =P5! &5(! , #-'0'#%!
U . -&'/'8#&' . %0K\&

"#:M!! *4&$J@<)8;.5) '$6,& '?&5-#$#.$8K''5-.)*5,#$+;$O) '+#I$/#;9$-5=18#-$+#$+@V&.-$''5-.),5:;#-$#.$>)*85.5:;#-$CEC_P CFFC0!$%!G*6.R^-26!K->6.H*!I;6+(30!@+26.E!a='(.0!"#:[N0!_e[!8%!e#"9!a6W(*+3! G6-+f3!

"#:M! ^)'.,)885 'S$T&,5-3$7,O#+$A),1#-$& '+$^);'.#,PJ#<)8;.5) 'B$CDEFPCE`E$I^*Y!T=+0!J!^TP!;+*330! "#:[N9!V%!G=.65W6.!A=-3*9!1W*!G=-+.6'!=?!U=E*+.!A(35=+%!

"#:[! 7 'S8#.#,,#$#.$7O@,5:;#$+& '-$8K''5-.)*5,#$5 '-.5.;.5) ' '#88#$6,& '?&5-#B$CDEFPCF_E!I;6+(3J!a^<70!"#:''N9! V%!;(*++*Rg6)(*+!V=%*+9!a6W(*+3!G6-+f3!

"#:[! U=.6!&/=-?0!a;8#-$A#,,2I$4&$85V#,.@$#.$8&$.,&+5.5) '!I;6+(3!J!Z6''(26+E0!"#:[N!a6W(*+3!G6-+f3!

"#:[! 7-/6..*!K*36.0!4%..!A-.5!6.E!h(''(62!U6D!^*'3=.0!!''#$A,#'1''$J#<)8;.5) '$5 '$R8)V&8$ T#,->#1.5<#$I`5W6>6!J!a=+.*''!P.()*+3(5%!;+*330!"#:''N!C+*.>W!A(35=+%

"#:e! i-*.5(.!K*'-*+2=/9!4#-$T)8515#,-$+& '-$8&$<588#I$4&$1) '-.,;1.5) '$+b;'$),+,#$>;V851$G$T&,5-$cCE_`P CFC`d$I;6+(3J!;-$'(>65(=.3!E*!'6!7=+$=..*0!"#:''N!ARC+6.>*!

"#:e! G-'(6.!h+(HW5!6.E!A979!G=.*30!*E390!T8;,&85-O$& '+$.''#$M+#&$)6$.''#$J#>;V851$5 '$A,& '1#!I;6'H+6)*0! "#:''N!a6W(*+3!G6-+f39!

"#:e! aW6+'*3!<*6+(>O9!T&,5-$/,#&O-B$T&,5-$%#O),5#-3$!''#$^5.2$& '+$5.-$%2-.5:;#$I756.?=+E!P.()*+3(5%! ;+*330!"#::N!C+*.>W!A(35=+%9!!

"#:"! G62*3!19!786++=Y9!!''#$(&,6&,#$N.&.#3$(),8+$(&,MM7O#,51& '-$& '+$.''#$7S#$)6$Q5S$R)<#,'O#'.! I&D?=+EJ! &D?=+E! 1.8-56(7)20[TjE421(D?=)1(Tm((7)2(8)Tc4200)'$+b52m &N+++!

LHHA! , '(--(!] . 0#%+#$$. %K!*89"*& - " . (*%+*/&('& -)3$%13$0&B#3$)$1$)(#3&+#2&C%+*$)*"3&('& ! (1#$"%LC(,)$)*3&)#& 6)3$(%)*+,&C'"%3H"*$);"K! ! (1%3&+1& ! (,,`I"&2"&X%+#*"!P'+(%!/ . -!&5(!Q(#$2! * (8&=-(0!#&! @# 7 ?-'<P(!9%'+(-0'&2K!

LHHN! d(#%) * =8!X#%82K![45(!4(85%'C=(! . /!&5(!, -(0(%&K\!4-#%0K!6P%t0! : (-#'$)W 7 ?(-&! #%<!Q&(>5(%! b K!Q# I 2(-K!W%!S#& i +=+%+0&C+)#$)#I3&('&TQ& I "+%3K!X (I !g . -c`! : #+'<! b (-%(-K!!

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I '&5!. #0!, '&&2#35#-

LHSB!

K!@ .)8 . %+(%(<! I '&5!6$?(-&! b =!#%<!&5(!" ($/(-!@(%&(-!#&! &5(!1#-+#-<!R(%%(<2!Q85 . . $K!V)<#2!'%&(-%#&' . %#$!8 . %/(-(%8(! I '&5! . +(-!NH! >#-&'8'>#%&0!/- . 7 !#- . =%<!&5(! I . -$<3!'%8$=<'%P!$(#<'%P!085 . $#-03!# 7 ?#00#< . -0! #%<!<'P%'&#-'(0K!

!

LHSM! K!@ .) . -P#%' i (<! I '&5! E$'+(-!U($&5# 7 3! I '&5!&5(!>#-&'8'>#&' . %! . /! , #=$! , #&& . %!#%<!@5-'0& . >5(-! "#-? . =-3!W , Q63!" -'0?#%(!6=0&-#$'#K!

!

LHSM! K!@ .) . -P#%' i (<! I '&5! : #%'($!Q&('% 7 (& i)d(%c'%0K!4 I .)<#2! 02 7 > . 0'= 7 ! . %!&5(!'%&($$(8&=#$!5'0& . -2! . /!SBAM!#%<!&5(!/ . $$. I '%P!<(8#<(0K!!

!

LHSM! !

6=<'(-3!6%<-(I!d#'%85'$$3!T'85#($!"(5-(%&3!T'85#($!Q8.&&!@5-'0&./(-0.%K!
:(8(7?(-!F)MK!

!

LHSV! !W%&(-%#&'.%#$!027>.0'=7!.-P#%'i(<!I'&5!Q&(+(%!,'%8=0!#%<!
8.)/=%<(<!?2!g#$(!9%'+(-0'&2K!1($<!#&!&5(!67(-'8#%!9%'+(-0'&2!./!,#-'0!
'%8$=<'%P!d.5%!:#-I'%3!:(07.%<!R'%P3!6%%'8c!*(7>e-'t-(3!d#7(0!*'+(0(23!
,5'$'>>(!T'%#-<3!b'$$'#7!X.+#c3!d(#%)U-e<e-'8!Q85#=?3!d#7(0!Q>#--.I3!#%<!
:#+'<!4.<<K!

!

LHSS! !W%&(-%#&'.%#$!
027>.0'=7!#&!&5(!67(-'8#%!9%'+(-0'&2!./!,#-'0!I'&5!b'$$'#7!X.+#c3!d#7(0!
Q>#--.I3!,#&-'8c!*(a#$(03!].7#'%!1=-(&3!X'8.$#0!"#--(2-(3!X'8.$#0!
:($#$#%<(3!,5'$'>>(!"(i(03!Q#-#5!a(%0?=-P(-3!T#-8)

!

LHSH! *89"&V%+#2&C+%)30& ! 1,$1%+,&M),)"1&)#&$9"&C%(*"33&('&M"$%(H(,)$+#)K+$)(#&*

! 3! @=$&=-(0! #%<! a$. ?#$' i #&' . %!

Q2 7 > . 0'= 7 3! . -P#%' i (<!?2! 1 ($7 =&! 6%5('(-!#%<!] #h!W0#-3! : (8(7 ?(-K!

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LHSH! *4%*9+"(,(I/&('&$9"&C+%)3&E#2"%I%(1#2!!*

! 3! Q2 7 > . 0'= 7 ! . %! , #-'0)

6 7 0&(-<#7! 9%<(-P-.=%<! .-P#%' i (<! ?2! 6%<-(I ! 1=00(2! #%<! @5-'0&.>5(-! *'%<(-K!!X.+(7 ?(-K!!

!

LHSH!! *89"& ! 1,$1%"&('&M"$%(H(,)$+#& - " . (*%+*/0&O*"#"3&('&M(D),)K+$)(#&)#&$9"&V%+#2&C+%)3&*

! 3!WQ6! b.-$<!@.%P-(00!./!Q.8'.$.P2!Y'%+'&(<!#%<!/'%#%8(<!

?2!] (0(#-85!@. 7 7 =%'&2!VZ3!d=$2!SS)SF!

!

!

!

LHSB! [45(!"'-&5!./!&5(! : (7 .8-#&'8!Q.8'#$!@.%&-#8&3!SMSH)SMGH\!, .$'&'8#$!45(.-2!
b.-c05.>3!Q&#%/.-<!9%'+(-0&23! T #2!BK!

!

LHSF!! [45'(-0!(&!$(!<-.'&!<(!$#!%e8(00'&e\!*F$+$3&2["G*"H$)(*#3!W%0&'&=&!<De&=<(0!#+#%8e(0!<(!
, #-'0K!

!

LHSA! q! ; $'(! 1 #$e+2!.=!$(0! : e/'0! : (!*D_&#&! : e 7 .8-#&'C=(3!s!W%!5.%.-!./!&5(!
>=?$'8#&'.%!./!*?[b%"&2"3&$/%+#)"3*3!Y T #'0.%!"$#%85(!^!Q=82)(%)"-'(Z3!LF!
%.+(7 ?-(!LHSA!

!

@QAf& *?+&2N . (*%+$)"&)#$%(1;+D,"&0&?)DN%+,)3 . "7&<NH1D,)*+#)3 . "&"$&,+&%N*"H$)(#&2"&C)"%%"&<(3+#;+,,(#&*
+1G&F$+$3LE#)35 *(0! ; 85#%P(0! 1 '0&.-'.P-#>5'C=(0!U-#%8.)6 7 (-'8#'%07&
.-P#%' i (<!?2! : #+'<!"($$3!6%&.'%(!*'$&'!#%<!,5'$'>!X.-<K& !V!%.+(7 ?-(!
LHSAK

!

LHSA! [U'08#$!U(<(-#$'0 7 `!*.8#$! : (?&!#%<!&5(!@.%0&-=8&'.%!./!&5(! T .<(-%!Q&#&(!'%!&5(!
9%'&(<!Q&#&(0!#%<!U-#%8(3\!*V,(D+,&6)3$(%/&('&$9"&C(,)$)*3&('&C1D,)*& - "D$3!*
) 3! , #-'03!d=%(!LHSA!

!

LHSN!!!!!!!!!!!!!!!!!! [" (2.%<!&5(!4.8C=(+'$$'#%! T 2&5`!] (+'0'&'%P!Q&.-'(0!6 7 (-'8#%0!#%<!U-(%85!4($$!
45(7 0($+(0!6?.=&!"'P! a.+(-% 7 (%&K\!9%'+(-0'&2!./!@5'8#P.3! : (#%D0!Q#$.%!
/.-!&5(! : '+'0'.%!./!&5(! 1 = 7 #%'&'(0K! 3! 6>-'$!SFK!

!

LHSV! [6<.$>5(!45'(-0!#%<!&5(!>#2 7 (%&!./!&5(!U-#%8.), -=00'#%! I #-!-(>#-#&'.%0\!
Q2 7 > . 0'= 7 ! . %! *4&C(,)$)*+,&6)3$(%/&('&C1D,)*&*
- "D$3 rF1%(H"&+#2&$9"&E#)$"2&O$+$"37&"%(. &$9"&?+$"&F)I9$""#$9& ! "#$1%/h3&
3!d=%(!LN

!

LHSL! [O(-'<'8&'.%!#%<!&5(!*'?(-#$!Q&#&(!./!;f8(>&'.%!'%!1(-7#%!T($+'$$(0O!"'$$2!"=<<\!
Q(7'%#-!?*[NHN"&"$&,+&H,1.*"3! K!T#-85!GK!
!
LHSL! [,(%0(-!,#-'03!>(%0(-!$(!>.=+.'-`!*D_&#&!(&!$#!+'$$(!8#>'&#$(!#=!oWo(!0't8$(\!
*?s1%D+#)3+$)(#&"#& ! 9)#"&"$&,s9)3$()%"&2"&,s1%D+#)3+$)(#&2"&C+%)3K!6%%'(!"(-P(-(&!@=-'(%!
Y@X]QZ3! y5=! o'#.2#%P! 晓Y9%'+(-0'&e!"('<#3!,ec'%Z3! g=#%! y5'P#%P! 冈刂!
Yze8.%.7'0&({!9%'+(-0'&e!U=<#%3!Q5#%P5#'Z3!6%%'(!U.=-8#=&!Y9%'+(-0'&e!,#-'0!
W!,#%&5e.%)Q.-?.%%(ZK! !LA!h#%+'(-K!!
!
LHSS! [45(!@#0(!./!"'$$2!"=<`!](>-(0(%&#&'+(!T(%3!4(--.-!#%<!&5(!*'?(-#$!Q&#&(!./!
;f8(>&'.%K\!Q(7'%#-`!OE]4;o3! K!
:(8(7?(-!SHK!!
!
LHSS! [*#!,(&'&(!&-#+(-0e(!<=! a-#%<!,#-'0K! O(-0! =%(!#>>-(5(%0'.%! P$.?#$(!<(0!
u#7?'#%8(0D!<#%0!$D(0>#8(!7e&-.>.$'&#'%K\!E%(!./!&5-((!/'%#$'O&0!'%+'&(<!&.!
>-(0(%&!.=-!#-&'8$(!/.-!#!>-'i(!YLGHH!(=-.0Z!P'+(%!?2!&5(!W%0&'&=&(!/.-!&5(!@'&2!
#%<!@.77(-8(K!Q(>&(7?(-!LF!#&!&5(! 3!
!
!
LHSS! [X.&5'%P!Q=88((<0!*'c(!U#'$=-(`!*.8#$!W7>#8&!./!a$.?#$!T(P#);+(%&0!'%!X(I!
g.-c!#%<!,#-'0!'%!&5(!I#c(!./!/#'$(<!E$27>'8!?'<0\!YI'&5!Q8.&&!Q#$7.%Z!
3!T#2!GK!!
!
LHSS! [*.8#$!"=-(#=8-#823! 9%'+(-0#$!,.I(-`!45(!,.$'&'8#$!@.%0&-=8&'.%!./!Q8#$(!'%!
](+.$=&'.%#-2!,#-'03!SFMB)SMSG\!
K!T#-85!FK!!
!
LHSS! W%+'&(<!:'08=00#%&!/.-!#!027>.0'=7!.%! [Q>.%&#%('&2! #%<! E-P#%'i#&'.%! '%!
;=-.>(#%!:(7.8-#&'8!@.%&(%&'.%K\!
! 45(!
027>.0'=7!I#0!.-P#%'i(<!?2! R=-&! b(2$#%<! #%<! '%8$=<(<! '%+'&#&'.%0! &.!
R#&5$((%!@#%%'%P3!:#+'<!Q5#/(-3!d.%#&5#%!Q>(-?(-!#%<!T'85#($!a(2(-K!!
!
LHSH! [*De85.!<(!$#!Uw&(!<(!$#!Ue<e-#&'.%!#=f!_&#&0)9%'0\!*!(..N.(%+$)(#&2"&,+&Xc$"&2"&
?+&XN2N%+$)(#K!E-P#%'i(<!?2!;77#%=($!*(!].2!*#<=-'(!#%<!a(.-P(0)1(%-'!
Q.=&.=K!d=%(!LG3!#&!&5(! K!!
!
LHSH!! [U-.7!9&.>'#!&.!90.%'#!#%<!/-.7!@-#?P-#00!&.!@($(?-#&'.%`!@-'&'8#$!,(-0>(8&'+(0!
'%!67(-'8#%!9-?#%!U.-7\!,$(%#-2!$(8&=-(!P'+(%!/.-!&5(!T#0&(-D0!,-.P-#7!'%!
9-?#%!,$#%%'%P3! 3!d#%=#-2!SSK!
!
LHHB!! [*#!7=%'8'>#$'&e!H+%)3)"##"!^!$De>-(=+(!<D=%(!-e+.$=&'.%!"%+#g+)3"3\!Qe7'%#'-(!<(!
,'(--(!Q(-%#3!S%2%"3&"$&2N3(%2%"3&2+#3&,"&C+%)3&2"&,+&<N;(,1$)(#&rAeeQLAPARh3!
3!:(8(7?(-!SAK!!
!
LHHM!! [:e/'%'-!=%!'%&e-w&!>#-&'8=$'(-!>#-'0'(%3!SMNH)SMNMK\!,#>(-!P'+(%!/.-!&5(!Q(7'%#-!
41$(1%&2"&,+&<N;(,1$)(#&AeRQLAPRQ!Y6%&.'%(!*'$&'!#%<!d(#%)*=8!@5'#>>(2Z!#&!
3!T#2!LVK!!
!
LHHF!! [9%(!7=%'8'>#$'&e!8#>'&#$(K!*D#<7'%'0&-#&'.%!<(!,#-'0!<#%0!$#!>-(7't-(!7.'&'e!<=!
oWo 0't8$(3\!,#>(-!>-(0(%&(<!'%&5(!0(7'%#-3!0'"%;)%&[F$+$&^B^L^^&3)`*,"37!T#-8!
E$'+'(-!"#-=85!(&!6$#'%!@5#&-'.&3! 3!d#%=#-2!SBK!!
!
LHHA!! [45(!E?h(8&'+'&2!./!6-85'+(0!#%<!6-85'+(0!#0!E?h(8&0K\!,#>(-!>-(0(%&(<!'%!&5(!
0(7'%#-3!?"3&*9(3"3&"$&,"3&.(*$33! 3!6>-'$!LNK!
!

LHHG

9%(!C=(0&'.%!<(!+'(!.=!<(!7.-&K!*(!8.->0!#<7'%'0&-#&'/!(&!$r#<7'%'0&-#&'.%!<(0!
8.->0!#=!oWo(!0't8$(!^!,#-'0K !:'08=00#%&3!@5-'0&'#%!"#=<($.&3!?+D(%+$()%"&2"3&
0*)"#*"3&O(*)+,"33!

[, . I (-0! . /! , #-'0`!&5(!@'&23!&5(!@#>'&#$3!&5(!@(%&(-\! ! ! !!!!!!!!!!!!LHHM)LHSS!
! !
!