X,',4!:K(!**2,3,#&,$.(-0**H!?)**BCH!!V#2+/.2#!-/!c+#.!1##'!8/%%#.-,'=#2!/.!h1#'2/.4//G!,.G!
.#<'/2$=#.$#_!Z,-<',5=W=.6!/'!.=4=5,-=.6gi_!;#--=.6!1#'2/.,5H!J%#'=$,.!K/<'.,5!/0!7=/#-4=$2H!B?AC_!UAE
U]H

(

2 , 3 , # & , $. (- 0 (!N=<! k(! " , R=2!K c !?=. !+'#+C! " /$-/ '2^!#%+ , -4=$!0 / $<2! / . ! , 6# . $3!=2!+#'$#=R#G!, 2!+/2=--R#53!, 2!
#%+ , -4=$!0 / $<2! / . !0##5=. 62#!

(

2 , 3 , # & , $. (- 0

: ##-!'#6<5,'53!S=-4!?$<''#.-53C!T<.=/'!0'/%!4=2-/'=$,553!#b$5<G#G!&,$d6'/<.G!S4/!=2!=.-#'#2-#G!=.!
6',G<,-#!2-<G3H!)*))E)9H!

!

<=>*=.(!=&&,?,0!;,&#55=!1'#2=G#.-=,5!M$4/5,'2!1'/6',%!
: ##-!'#6<5,'53(!=.0/'%,553(!S=-4!2-<G#.-!=.-#'#2-#G!=.!,!$,'##'!=.!+23$4/5/63m.#<'/2$=#.$#H!)*))E/.6/=.6H!
!!

<=>*=.(!=&&,?,_!:$Z,='!`b+5/',-/'3!1'/6',%!
: ##-!&=S##d53(!=.0/'%,553(!S=-4!0='2-E3#,'!2-<G#.-2!0'/%!4=2-/'=$,553!#b$5<G#G!&,$d6'/<.G2!S4/!,'#!
=.-#'#2-#G!=.!6',G<,-#!2-<G3(!)*)*E)A!,.G!)*)AE))H!

(

<=>*=.(!=&&,?,_!:,32!:=./'=-3!:#.-/'!
: #-!%/.-453(!=.0/'%,553(!S=-4!<.G#'6',G<,-#!2-<G#.-2!/0!$/5/'(!)*ALEAF!,.G!)*AFE)*!

(

2+#@+#/(A.$@,#>$*BQ(H,G+#*',.*(=C(6>B%E=&=?B0!
: #.-/'#G!0/<'!<.G#'6',G<,-#!-4#2=2!2-<G#.-2(!)!,2!+'=%,'3!,GR=2/'!,.G!)!,2!'#,G#'!?-S/!0=.=24#G!M+'=.6!
)**Ln!-S/!0=.=24#G!M+'=.6!)**FCH!!1'=%,'3!,GR=2##!S/.!;/'G/.!J55+/'-!1'=W#!?G#+,'-%#.-,5!4/./'2C!=.!
M+'=.6!)**FH!
Y.G#'6',G<,-#!'#2#,'$4!,22=2-,.-2!?)E]m2#%#2-#'(!X,55!)**@EM+'=.6!)*AAC!

(

A.$@,#>$*B(=C(6,..>B&@+.$+Q(!,.*,#(C=#(!=?.$*$@,(:,"#=>%$,.%,Q(H,G+#*',.*(=C(6>B%E=&=?B0(
Y.G#'6',G<,-#!=.G#+#.G#.-!2-<G3!+'/T#$-2!?)!G<'=.6!,$,G#%=$!3#,'!)**]m)**Dn!)!G<'=.6!,$,G#%=$!3#,'!
)**9m)**]n!A!G<'=.6!M+'=.6mM<%%#'!)**9C!

(

A.$@,#>$*B(=C(I=L+Q(!=?.$*$@,(:,"#=>%$,.%,(7+3=#+*=#BQ(H,G+#*',.*(=C(:,"#=&=?B0!
>/./'2!<.G#'6',G<,-#!+'/T#$-!?X,55!)**)E!M+'=.6!)**]CH!
Y.G#'6',G<,-#!'#2#,'$4!,22=2-,.-!?@!4'2mS##dn!M+'=.6EX,55!)**)CH!
M<%%#'!Y.G#'6',G<,-#!V#2#,'$4!1'/6',%!2-<G#.-!?]*!4'2mS##dn!M<%%#'!)**ACH!
>=64!M$4//5!M$=#.$#!'#2#,'$4!2-<G#.-!0'/%![/S,!8=-3^2!8=-3!>=64!2$4//5!?@!4'2mS##dn!X,55!AFFFEM<%%#'!
)***CH!!
\S/!2-<G#.-!'#2#,'$4!=.-#'.2!0'/%!;#'%,.3!?]*!4'2mS##dn!X,55!AFFFEM+'=.6!)***CH!
:#G=$,5!2-<G#.-!G/=.6!2<%%#'!'#2#,'$4!?]*!4'2mS##dn!M<%%#'!AFFFCH!

!

(

2 8 : 8 J 0(- : H(- N - J H 0!

!

:=.G(!7',=.!,.G!7#4,R=/'!+/2-G/$-/',5!0#55/S24=+(!>,'R,'G!Y.=R#'2=-3(!)!3#,'2!&#6=..=.6!K<53!)**FH!
8#'-=0=$,-#!/0!"=2-=.$-=/.(!7/d!8#.-#'!0/'!\#,$4=.6(!>,'R,'G!Y.=R#'2=-3(!)**FH!
Z/%=.,-#G!0/'!:,'f<,.G!JS,'G!0/'!`b$#+-=/.,5!JGR=2=.6!,.G!8/<.2#5=.6(!>,'R,'G!Y.=R#'2=-3(!M+'=.6!)**L!
?/.#!/0!A)D!./%=.##2!,$'/22!-4#!Y.=R#'2=-3C!
X#55/S24=+!'#$=+=#.-(!:$"/..#55!M<%%#'![.2-=-<-#!=.!8/6.=-=R#!Z#<'/2$=#.$#(!Mf<,S!Q,55#3(!8J(!)**9H!
\',R#5!JS,'G!'#$=+=#.-(!U=2$/.2=.!M3%+/2=<%!/.!`%/-=/.(!)**AH!
X#55/S24=+!'#$=+=#.-(!:$"/..#55!M<%%#'![.2-=-<-#!=.!8/6.=-=R#!Z#<'/2$=#.$#(!"',-%/<-4!8/55#6#(!Z>(!
)**AH!
84,+-#'2!;',G<,-#!M-<G#.-!\',R#5!JS,'G!'#$=+=#.-(!M/$=#-3!0/'!Z#<'/2$=#.$#(!)***H!
[/S,m1'#2=G#.-=,5!X#55/S24=+!'#$=+=#.-!AFFBE)**A!!?)*E)D!0#55/S24=+2!6=R#.!#,$4!3#,'!,%/.6!,55!#.-#'=.6!
6',G<,-#!2-<G#.-2!=.!-4#!Y.=R#'2=-3CH!!
7#.T,%=.!X',.d5=.!M$4/5,'!AFFAE

h\4#!'/5#!/0!-4#!,%36G,5,!=.!,.-4'/+/%/'+4=W=.6Hi!!M3%+/2=<%!/.!-4#!,%36G,5,!=.!2/$=,5!$/6.=-=/.(!
J%#'=$,.!123$4/5/6=$,5!M/$=#-3!,..<,5!%##-=.6(!:,3!)**]H!
!
hZ#<',5!232-#%2!0/'!2/$=,5!$/6.=-=/.!0'/%!%/R#%#.-Hi!Y.=R#'2=-3!/0!Z/'-4!8,'/5=.,m"<d#!Y.=R#'2=-3!
,<-=2%!'#2#,'$4!$#.-#'(!J+'=5(!)**]H!
!
hZ#<',5!232-#%2!0/'!2/$=,5!+#'$#+-=/.!0'/%!%/R#%#.-Hi! (!
Y.=R#'2=-3!/0!1#..235R,.=,(!:,'$4!)**]H!
!
hM/$=,5!$/6.=-=/.!0'/%!%/R#%#.-!2-=%<5=_!#%/-=/.(!+#'2/.,5=-3(!,.G!,.-4'/+/%/'+4=W=.6Hi!!
(!"#+,'-%#.-!/0!123$4/5/63(!>,'R,'G!Y.=R#'2=-3(!X#&'<,'3!)**]H!
!
hZ#<',5!232-#%2!0/'!'#$/6.=W=.6!#%/-=/.!,.G!+#'2/.,5=-3!0'/%!%/R#%#.-2Hi! !
M3%+/2=<%(!7,55#--!X',.d0<'-(!;#'%,.3(!K,.<,'3!)**]H!!
!
hN#2=/.!2-<G=#2!/0!#%/-=/.!'#$/6.=-=/.!=.!4<%,.2_!0,$#2!,.G!&!G3!%/R#%#.-2Hi!
H!!1'=.$#-/.!Y.=R#'2=-3H!!M#+-#%&#'(!)**9H!
!

I . >*$*''*$= . >0!

(

(

8 A ; J 4 - ! 2 (- : H(0 4 J) I ! 4(

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<=>*= . (! =&&,?,0(K+3,&&$(