

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

!

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"#\$%&' ( # ) !\*+!, - . / 0\*1\*23/%1!)4!5&%3)!6/3#)/#-!

7#\*&2#! 8 %-03)2'\*!)9)3:#&-3' .!!

; <=>! ? !6'&##'!

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 <br>
 ;<=W! ! !
 <br>
 !
 <br>
 6\*/3#'.!+\*&! ,#&-\*)%13'.!%)4!6\*/3%1! ,-. /0\*1\*2. !M6,6,Q! !
 <br>
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 <br>
 ;<=B! ! !
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 <br>
 7#\*&2#! S %-\*)!9)3:#&-3'.!
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 )-%-./-, (#0(/12(345(0/\*, -6/(\$6(307.41%187((
 <br>
 )-%-./-, (#0(/12(345(0/\*, -6/(\$6(+1%%-8-(19(: \* "#6\$\$-0( ; ()I.\$#%().\$.-6.-0(<=>(-2#?/"-6/0@/
 <br>
 !
 <br>
 ;<=B!
 <br>
 !
 <br>
 I (#&3/%)!, -. /0\*1\*23/%1!Tm/TT 8 !6&G30@

!	!	!	3?6.\$2#(A6B-0/\$8#/I?!M6\$*)-*&C!O*44!d%-04%)@!,0" T!A*Y6\$*)-*&C! ?*E%&4!O#))#)@!,0" Q@!
!	!	!	O*%!/*-!-C!\B>@WKKG<<!
!			
;<=BH;	<=W!	!	

>KG @!d#1-\*@!dG!AG@! 8 3#&)3P@!5G!S G@!g!d%-04%)@!OG!5G!M;<;=QG!6\*/3%1!/\* (\$%&3-\*)-!%)4!-\*/3%1!  
 %)V3#'.!3)!4%31.!13+#C!I)!#V\$#&3#)/#Y-% (\$13)2!%\$\$&\*%/O!(JI\*?6#%(19(H'61? "##(307.4I%187)(>PTM`Q@!RBKHRKJK(  
.&#&#23-'&%'3\*)G!A\*4#G!!  
 !

>WG @!e [ F ( @! [ G@!e631 : %@!7G!S G@!g!d%-04%)@!OG!5G!M;<;=QG! I &#!\$#\*\$!#!E3'O!-\*/3%1!%)V3#'.!43-\*&4#&!  
 O%\$\$3#&!%1\*)#i!JI\*?6#%(19(H6D\$-/7(5\$O1?, -?ON(RUN! =<;RWRG!  
 !

>BG e15&\*E)@!5G! I G@!I @!I " 3-%Z% '\*@! " G!cG@!d%-04%)@!OG!5G@! I & (#13@!6G@!g!O#)#)@! ?G!M;<;=QG! " \*#-!  
 )#2%'3:#!# (\*'3\*)!43++#&#)'3%'3\*)!3)+!F#)/#!4%31.!-#1+Y&#2F1%'3\*)!%+'#&!-'&#--+F1!#:#)'-i! I !RY

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;RG d%-04%)@!OG!5G@! " 3-%Z% '*@! " G!cG@! @! g! S / d )320'@!, G!hG!M; <; <QG!OO#!U3: #Y " 3 ( # )-3*)%!!AF&3*-3' .!
6 /%1#! [ #:3-#4!M` " A [ QC!5&3#+#&!-FZ- /%1#-!E03!#!-#%&&'3)2!2#)#&%1!* :#&!% )4!/* :#&'!-*/3%!/F&3*-3' .K!3-?016#%$7(
#6, (A6, $B$, *#%/( 5$99-?-6. -0N(>0Q@! =<JK>BG! .&#S&3)'G!!
!
;>G d%-04%)@!OG!5G@! @! " 3-%Z% '*@! " G!cG@! S / d )320'@!, G!hG@! g !X%F20'* )@!AG!M; <; <QG!AF&3*-3' .!O%-!
/* ( $&#0#) -3: #!Z#) #+3' -!3)! 'O#!E* &P$1% /#C! " #: #1*$3)2!%)4! :%134%'3)2! 'O#! ( F! '343 ( # )-3*)%!!E* &P! /F&3*-3' .!- /%1#!
3)!9)3'#4!6%'#-!% )4!7#& ( % )!# ( $1* .##-G(3-?016#%$7(#6, (A6, $B$, *#%/( 5$99-?-6. -0N(>00N! =<JW=WG( .&#S&3)'G!!
)
; ;G @! d%-04%)@!OG!5G@!6'3P- ( %@! S G!AG@! g !5!1%1*/P@! " G! b G!M; <=JQG! , #&-* )%1!-'&3:3)2-'!*(F)4#&-')4!
%)V3#'. !43-*&4#&-!C!6*/3%1!)V3#'. !%-!%)!#V# ( $1%&G!+%$6$. #%(307.41%I8$. #%( ) . $-6. -N(QM; QN! ;K>H><=<G(
(
;=G S / ?F20@! [ G! d G@! g ! M; <=JQG! I &#!-FZ-'% )/#F-#143-*&4#&-!# ( *'3*)%1!43-*&4#&-!iC! 8 0 .!
O#'#&*2#)#3' .! ( % ' #&-!+* &! '&#%' ( # )'G!+%$6$. #%(307.41%I87N( ) . $-6. -(#6, (3?#./$. -N(=SM; QN(=; ; KBG(
(
;<G @! " 3-%Z% '*@! " G!cG@! g ! d%-04%)@!OG!5G!M; <=JQG!L) '2&'3)2!$- . /O*1*23/%1!-'&#)2'O-(F)4#&!O#!
F ( Z&#11%!*+!$#&-*)%13' .!-/3#) /#C! [ #'03)P3)2! 'O#!4#3)3'3*)@! ( #%-F&# ( # )'@!%)4! ( *43+3/'3*)!+!-'&#)2'O-G!JI*?6#%(
I9(3I0$B-(307.41%I87N(>UM=QN(B=HBWG(
!
=JG " 3-%Z% '*@! " G!cG@! @ g ! d%-04%)@!OG!5G!M; <=JQG!L-!2&3'!&#1#: % )!'! '*!E#11YZ#3)2i!h:34#) /#% /&*--! 'O#!
21*Z#!+* &!-#%&&'3)2!$#&-# :#&% ) /#!+!#++* &!% )4!/* )-3-'#) / .!*+!3) '#&#-'-K!JI*?6#%(I9(3-?016#%$7N(RQM; Q@!(=KRH; ==G(
(
=KG 53-E%-Y " 3#)#&@! [ G@! dF-O!# : @! d G@!6F@! [ G@! @! d%-04%)@!OG!5G@! g ! " 3#)#&@!hG!M; <=JQG! I --#--3)2!%)4!
F)4#&-')43)2!O*-$3%'13' .C! I !Z&3#+!O*-$3%'13' .!- /%1#G!A6/-?6#/$16#%(JI*?6#%(I9(X-%'- $68N(YM; Q@!=RH; BG!
!
=WG @!6'3P- ( %@! S G!AG@! g ! d%-04%)@!OG!5G!M; <=KQG!6*/3%1!)V3#'. !%)4!'O#!]F%13' .!+!# : #& .4% .!-*/3%1!
3)'#&% /'3*)-C!O0#! ( *4#&'3)2!3)+!F#) /#!+!%1/*O*1!/*)-F ( $'3*)G!L-4#B$I?(M4-?#27N(UYM>QN(>W>H>KWG(
(
=BG @! " 3-%Z% '*@! " G!cG@! d%-04%)@!OG!5G@! g ! d%F+ ( % )@!6G!5G!M; <=KQG( S #%-F&3)2!E#11YZ#3)2C! I !
/* ( $%&3-*)!+!-FZ^#/'3: #!E#11YZ#3)2!%)4! , h [ S I G(JI*?6#%(I9(3I0$B-(307.41%I87N(>PMRQN(>; =H>>; G(
(
=`G d%-04%)@!OG!5G@! @!6'3P- ( %@! S G!AG@!e S 313F-@!AG! [ G@! g ! S / d )320'@!, G!hG!M; <=KQG!6#VF%13' .!#%4-! '*!
Z**-'-!3)! ( **4!%)4! ( #%)3)2!3)!13+#!E3'O!) *!# : 34#) /#!+* &! 'O#!&# : #&-#!43&#/'3*)C! I !4%31 .!43%& .!3) : #-'32%'3*)G!
! " I/$16N(>RMRQN(` B>H` WBG(
=RG @

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JG S%/O#11@!dG!IGe! @!g!d%-04%)@!OG!5G!M;<=&`QG!hV\$#&3#)'3%1!%:\*34%)/#!%)4!E#11YZ#3)2C!I!4%31.!  
43%&.!%)%1.-3-G!+186\$/\$I6(#6,(! "I/\$I6N(=YM;Q@!>`=H>`JG!

KG @!g!d%-04%)@!OG!5G!M;<=&`QG!5#03)4!'O#!-/#)#-!\*+!/13)3/%!&#-#%&/OC!\_#--\*)-!+&\*(!%!(3)4+F1)#--!  
3)'#&:#)'3\*)!E3'O!-F4#)'Y%'O1#'#-G!M4-(L-4#B\$I?(M4-?#2\$0/N(PRMBQ@!:=`W

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;G @!"\*\*&1#. @!cG! " G@! g!d%-04%)@!OG!5G!M;<=KQG! 8 #11YZ#3)2!)4!\$- ./O\*\$%'O\*1\*2.C! I!4##\$!  
 #V\$1\*&'3\*)!3)'\*!\$\*-3'3:#!# (\*'3\*)-@! (##)3)2!)4!\$F&\$\*-#13)!13+#@!%)4!-\* /3%1!&#1%'3\*)-03\$-G!L)!hG! " 3#)#&@!6G! a3-03@!  
 g!\_G!O% .!Mh4-GQ@! : #6, '11^(19(X-%F'-\$68G!6%1!\_!P#!A3'. @!9OC! " hU!, FZ13-0#&-G! " aLc)\*Z%-/O\*1%&G/\* (!  
 !  
 =G @!e\_%%&f%Z%1@! S G@!e 8 #-'@!cG!OG@! g!d%-04%)@!OG!5G!M;<=JQG!hV\$#&3#)'3%1!% : \*34%)/#!% /&\*--!  
 %)V3#'. !43-\*&4#&-G(L)!5G! aG! a1%'F'^3!Mh4QG!+# " ' ?\$, 8-( : #6, '11^(19(H6D\$-/7(#6, (V-%#/-, (5\$OI?, -?O(M\$\$G!;` `Y  
 ;K=Qk(A% (Z&342#@!9 dC!A% (Z&342#!9)3:#&-3' .!, &#--G!!

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d%-04%)@!OG!5G@! " 3-Z%'\*@! " G!cG@ @ g!X%F20'\*)@!AG!M;<=KQG!

A6/-?6#/\$16#%(JI\*?6#%(19(!6B\$?16"-6/#%(V-0-#?.4/#6,(3\*'%\$.(:-#%/4(  
A6/-?6#/\$16#%(JI\*?6#%(19(307.4I%187





;<G @!g!d%-04%)@!OG!5G!M;<=K@! I\$&31QG!L-%\$-90(#6,(B#%\*-0(#'I\*/(-"I/\$160(#"168(2-12%-(E\$/4(0I.\$#%( #6D\$-/7(,\$0I?, -?K(, &#-#)'#4!%'!0#!%))F%1!/\*):#)'3\*)!\*+!0#!

WG @ "3-%Z%!\*@!"G!cG@!g!d%-04%)!OG!5G!M;<=B@c%)F%&.QG!MEI(/72-0(19(E-%F'-\$68Z(H(.%10-?(%11^#(/  
/4-(4-,16\$#(#6,(-\*,#\$"16\$#(\$0/\$6./\$16(#.?100(>TY(.1\*6/?\$-0K!,&#-#)'#4!%'!O#!%)F%!(##'3)2!+\*&'O#!6\*/3#!!  
\*+!,#&-\*)%13'.!%)4!6\*/3%1!,-. /0\*1\*2.@!6%)!"3#2\*!AIG!

BG @ d%-04%)!OG!5G@!g!S /d)320'@!,G!hG!M;<=`@!X\*:#(Z#&QG!h:#&.4%.!-'&3:3)2-!3)!\$#\*\$1#!E3'O!  
-\*/3%1!%)V3#'.!43-\*&4#&K!L)!5#&20\*+@!AG![G!MAO%3&QG!&\$B\$68(%\$9-(/1/4-(9\*%-0/W(&-B-?#8\$68(2-?016#%(B#%\*-F,\$?-./-,(  
'-4#B\$I?(/1(-64#6.-(E-%F'-\$68(#6,(\*6,-?"\$6-(207.41%18\$.#%(\$0/?-00G!,&#-#)'#4!%'!O#!%)F%1!/\*):#)'3\*)!\*+!

!  
R<G e

;KG e5&\*E)@!5G! I G@ " 3-%Z%'\*@! " G!cG@!





8%-03)2'\* )@! " AG!

!  
; <= `! L\*\$%, \$68(?-0\$%-6. -(\$6/1(-, \*. #/\$I6K(U%3&+%V!A\*F)' .!, FZ13/!6/0\*\*1-o! I))F%1!A\* ( (F)3' .!A\*): #&-%'3\* )!\* )!  
O##)!6'&#--@!U%3&+%V@! b I G



9)3:#&-3'.!\*+!6\*F'O!U1\*&34%!!

;<;=H! ! !

! ! ! " 3:#&-3'.!3)!A13)3/%1!, - . /0\*1\*2. !Mhw, W<JJQ!



