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@",.)%+6 K(A'/'(#+())6 @&/&., #+())V" O+<+&& 1.% "' *66)<&" I? .% "B.<N+," 5?2&(6+," I<('.%/" ., .6'<*% (6/" * <" *'?.<" 6*%7)6"" N+&.7" *% " +%" (%7(B(7)+,A&" 5<*'.6'.7" 6?+<+6'.<(&'(6\&]' (& &)99(6(.% ',2"&.B.<."/5.<&(&'.% '/'* <"5.<B+&(B. "'?+'(")%<.+&*%+N,2"(%'.<9.<.&" I('?'/,(1 ('&/'* <"

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5. <&*% "9<* 1 " . %@+@(%@" (% " +6'(B('2"5<* . 6' . 7")%7. <"?(&"G*,(62a"C. '+,(+(*% "6+% "N. "6* 1 1 (' . 7"N2"*<
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7* . &%"*% " (%6,) 7. "@**7"9+(?'< +6'(*%& ,+I 9),,2"5)<&) . 7"(%< . &5*%& . "'*+"< . 5*<"*9"G<*?(N(' . 7" 0*%7)6'a"
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7(&6*% '(%) . " k "+%7(<. 6'"&)"5 . <B(&*<2"*< . B+,)+'(B. "<*, . "*B.<"?' . "*?' . <"5+<'2"+< . "&'<(6',2"5<*?(N(' . 7a"
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C* 1 +% '(6"<"&. 4)+, "< . ,+(*%&?(5&" I ? . < . "' ? . < . "(&"+7(99. < . % '(+,(% "5* I . <"*<"+) ?* <('2"5<*7)6. "<(&Y&
9*< . B. <2" 1 . 1 N. <"*9*")<"6* 1 1)%('2"+%7")%7. <1 (% . "' ? . "5<*9. &&(*%+, (& 1 "9"9+6), '2"+%7"&)"5 . <B(&*<&a"
\$% . ('?'<"6*% . 4'/'?' . ")% . X)+, "5*&('(*% "9*"' ? . "5+<'(. &"5< . & . % '&"+%("?'< . % "' . , . 1 . % "'*9"<(&Y"+%7" 1+2"
<+(& . &. 4)+, "?+<+&& 1 . % "' 6*%6. <%&" (9" *% . " 5. <&*% " (% " ?' . < . ,+(*%&?(5" ?+&" ?' . "+6')+, " * <"+55+< . % "
)?'* <('2"*"&)"5 . <B(& . /" . B+,)+ . /"6*%)& . ,/"6*+6?/'* <*"?' ? . < I (& . " 1+Y. "7. 6(&(*%&* <"<. 6* 1 1 . % 7+'(*%&
+&"*"' ? . "*?' . <"5. <&*% "(% "6*% . 6'(*% " I ('?' "' ? . (< . 1 5,*2 1 . % "'* < . 7)6+'(*% " +"' ? . "0* ,. , @ . a"
"

\$9"+% "(%7(B(7)+, "6*% . 1 5,+ . &"N. @(%% (%@" /" * <" (&"(B*, B. 7"(%/" +&. 4)+, "*<"<* 1 +% '(6"< . ,+(*%&?(5" I ('?'<

./"N'C')+ -6*+%&)'"(,N'\$,6O')N6>)5-+(,6

<()'##'-&)'"(6

_\$%'(1(7+'(*%`(&'?'.)&. "9"(15,(.7''?<.'+&'**B.<6* 1 . "+%7(B(7)+,A&"9<. .7* 1 "9" I (,,"*6?*&." I ?.'?'<" *<" %*"' '*" 5+<'(6(5+'.' (" &.4)+, "+6'(B('2" *<" 5<B(7." 6*%&.%'a" 0*%&.% "' *N'+(%.'7" N2" (%'(1(7+'(*%(&"*"'B+, (7a"

!"+/7'"(6

_0* .<6(*%`(&'?'.(15<*5.<")&. "9"5<.&&<." '*6* 15., "+%*?'<7(B(7)+, "'*(+'.' *<"6*%'(%). "&.4)+, "+6'(B('2"+@+(%&'?'+'7(B(7)+,A&" I (,,"0*%&.% "'*N'+(%.'7''?<*)@?'6* .<6(*%(&"*"'B+, (7a"

0* .<6(*%6+%("%6,)7."+" I(7."<+@."*9"N.?+B(*&/"(%6,)7(%@"(%'(1(7+'(*%/" 1+%5),+(*%/'?'<.'+&/'+%7" N,+6Y 1+(,a"H"5.<&*%A&" I *<7&" *<"6*%7)6""+<."&)99

c ? . ' ? . < ' ? . < . & 5 * % 7 . % ' < . + & * % + N , 2 " & ? *) , 7 " ? + B . " Y % * I % ' ? + ' ' ? . " 6 * 1 5 , + (% + % ' I + & " (% 6 + 5 + 6 (' + ' . 7 " I (, " N . " . B + ,) + ' . 7 ") & (% @ " + % * N b . 6 ' (B . " < . + & * % + N , . " 5 . < & * % & ' + % 7 + < 7 a " > ? . " 9 + 6 ' ' ' ? + ' ' ' ? . < . & 5 * % 7 . % ' I + & " + 6 ') + , 2 ") % + I + < . " * 9 ' ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' 2 " (& " (< < . , . B + % ' ' ' * ' ' ? (& " + % + , 2 & (& / " 5 + < ' (6) , + < , 2 " I ? . < . " ' ? . < . & 5 * % 7 . % ' A & " 9 + (,) < . " ' * " + 5 5 < . 6 (+ ' . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' + ' (* % " < . &) , ' . 7 " 9 < * 1 " ' ? . " < . & 5 * % 7 . % ' A & " 9 + (,) < . " ' * " + Y . " < . + & * % + N , . " & ' . 5 & " ' * 7 . ' < 1 (% . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' + ' (* % " * < " I ? . < . " ' ? . < . & 5 * % 7 . % ' A & " * I % " (% 6 + 5 + 6 (' + ' (* % " \ 9 < * 1 " + , 6 * ? * , " * < " 7 <) @ &] " 6 +) & . 7 " ' ? . < . & 5 * % 7 . % ' ' * 1 (& b) 7 @ . " ' ? . " 6 * 1 5 , + (% + % ' A & " (% 6 + 5 + 6 (' 2 a " \$ " (& " ' ? . < . & 5 * % & (N (, (' 2 " * 9 . + 6 ? " 5 + < ' 2 " ' * N . " + I + < . " * 9 ' ' ? . " (% ' * 4 (6 + ' (* % " , . B . , " * 9 ' ' ? . " * ' ? . < 5 + < ' 2 " N . 9 * < . " . % @ + @ (% @ " (% & . 4) , " + 6 ' (B (' 2 a " \$ " @ . % . < + , / & . 4) , " + 6 ' (B (' 2 " I ? (, .) % 7 . < " ' ? . " (% 9 ,) . % 6 . " * 9 + , 6 * ? * , " * < " * ' ? . < 7 <) @ & " 5 * & . & " + < (& Y " ' * + , " 5 + < ' (. & a " \$ 9 " ' ? . < . (& " + % 2 " 7 *) N " + & " ' * " ' ? . , . B . , " * < . 4 ' . % " * 9 " ' ? . " * ' ? . < (% 7 (B (7) + , A & " (% ' * 4 (6 + ' (* % " / " (" & " & + 9 . & " ' * " 9 * < @ * * < 6 . + & . " + % 2 " & . 4) + , 6 * % ' + 6 " * < + 6 ' (B (' 2 a " Z . (% @ " (% ' * 4 (6 + ' . 7 " N 2 " 7 <) @ & " * < + , 6 * ? * , (& " * * 7 . 9 . % & . " ' * + % 2 " B (* , + (* % " * 9 ' ? (& " G * , (6 2 " + % 7 " 7 * . & " % " * " 7 (1 (% (& ? " * % . A & " < . & 5 * % & (N (, (' 2 " ' * " N + (% " 6 * % & . % ' a "

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8. 'C, 6@k, 17&B31>'7%1#", \$"#@D&E17%. /#, 17"1F#9%k=>%. %16%/k

> ? . " 0 * , , @ . " (& " 6 * 1 1 (' . 7 " ' * " 5 < * ' . 6 ' (% @ " ' ? . " 5 < (B + 6 2 " * 9 " + , " (% 7 (B (7) + , & " (% B * , B . 7 " (" ' ? . " (% B . & ' (@ + ' (* % " + % 7 < . & * ,) (* % " * 9 < . 5 * < & ") % 7 . < " ' ? (& " G * , (6 2 a " > ? . " 0 * , , @ . " + , & * " (& " 6 * 1 1 (' . 7 " ' * " + & & (& ' (% @ " & ') 7 . % ' & / " . 1 5 , * 2 . . & / " + % 7 " ' ? (< 7 " 5 + < ' (. & " (% " 1 + Y (% @ " (% 9 * < 1 . 7 " 6 * ? * (6 . & a " c (' ? < . & 5 . 6 " ' * " + % 2 < . 5 * < ") % 7 . < " ' ? (& " G * , (6 2 " ' ? . " 0 * , , @ . " I (, " 1 + Y . " < . + & * % + N , . " . 9 9 * < & " ' * " 5 < * ' . 6 " ' ? . " 5 < (B + 6 2 " * 9 " 5 + < ' (6 (5 + % ' & / " (% " + 6 6 * < 7 + % 6 . " I (' ? + 5 5 , (6 + N , . " & ' + ' . " + % 7 " 9 . 7 . < + , " + I / " I ? (, " N + , + % 6 (% @ " ' ? . " % . . 7 " ' * " @ + ' ? . < (% 9 * < 1 + ' (* % " ' * " + Y . " & ' . 5 & " ' * " . , (1 (% + ' . " G < * ? (N (' . 7 " 0 * % 7) 6 " / " 5 < . B . % " (' & < . 6) < < . % 6 . / " + % 7 < . 1 . 7 2 " (' & " . 9 9 . 6 ' & a " H , " 0 * , , @ . " . 1 5 , * 2 . . & " I ? * * + < . " (% B * , B . 7 " (" ' ? . " 0 * , , @ . A & " > (. " \$ E " < . & 5 * % & . " < . 6 . (B . " & 5 . 6 (9 (6 " (% & <) 6 ' (* % " + N *) " < . & 5 . 6 ' (% @ " + % 7 " & + 9 . @) + < 7 (% @ " 5 < (B + ' . " (% 9 * < 1 + ' (* % a " G < (B + 6 2 " + % 7 " 6 * % 9 (7 . % ' + , (' 2 " ? + B . " 7 (& ' (% 6 " 1 . + (% @ & ") % 7 . < " ' ? (& " G * , (6 2 a "

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_ G < (B + 6 2 " @ . % . < + , 2 " 1 . + % & " ' ? + " (% 9 * < 1 + ' (* % " < . , + ' . 7 " ' * " + < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " I (, " * % , 2 " N . " & ? + < . 7 " I (' ? (% 7 (B (7) + , & " I ? * " _ . . 7 " ' * " Y % * I \ " (% " * < 7 . < " * " + & & (& " (" ' ? . " + & & . & & 1 . % " / " (% B . & ' (@ + ' (* % " / " * < " < . & * ,) (* % " * 9 " ' ? . < . 5 * < ' a " c ? (, . " % " " N *) % 7 " N 2 " 6 * % 9 (7 . % ' + , (' 2 " ' ? . & . " (% 7 (B (7) + , & " I (, " N . " 7 (& 6 . . " + % 7 " < . & 5 . 6 " ' ? . " 5 < (B + 6 2 " * 9 " + , " (% 7 (B (7) + , & " (% B * , B . 7 " (" ' ? . " 5 < * 6 . & & a " > ? . " 5 < (B + 6 2 " * 9 " & ') 7 . % " . 7) 6 + ' (* % " < . 6 * < 7 & " I (, " N . " 5 < * ' . 6 ' . 7 " (% " + 6 6 * < 7 + % 6 . " I (' ? " ' ? . " L + 1 (, 2 " 3 7) 6 + ' (* % + , " C (@ ? ' & " + % 7 " G < (B + 6 2 " H 6 " \ _ L 3 C G H "] / " + & " *) , (% . 7 " (" ' ? . " 0 * , , @ . A & " L 3 C G H " G * , (6 2 a " > ? . " 5 < (B + 6 2 " * 9 " + (% 7 (B (7) + , A & " 1 . 7 (6 + , + % 7 < . , + ' . 7 < . 6 * < 7 & " 1 + 2 " N . " 5 < * ' . 6 ' . 7 " N 2 " ' ? . " O . + , ' ? " \$ % &) < + % 6 . " G * < ' + N (, (' 2 " + % 7 " H 6 6 *) % ' + N (, (' 2 " H 6 " \ _ O \$ G H H "] / " . 4 6 . 5 ' (% @ " ? . + , ' ? " < . 6 * < 7 & " 5 < * ' . 6 ' . 7 " N 2 " L 3 C G H " + % 7 " N 2 " ' ? . " 0 + , (9 * < (+ " 0 * % 9 (7 . % ' + , (' 2 " * 9 " Q . 7 (6 + , " \$ % 9 * < 1 + ' (* % " H 6 " \ _ 0 Q \$ H "] / " 0 + , a " 0 (B a " 0 * 7 . " 1 " F K a R F " . " & . X a " H 6 6 . & & " ' * " + % " . 1 5 , * 2 . . A & " 5 . < & * % . , " < . 6 * < 7 & " 1 + 2 " N . " < . & ' < (6 ' . 7 " N 2 " + 5 5 , (6 + N , . " 0 + , (9 * < (+ " + % 7 " 9 . 7 . < + , " + I a " c ? (, . " ' ? . < . " + < . " 6 . < ' + (% , (1 (' + ' (* % & " * % " 5 < (B + 6 2 " / " ? . " 0 * , , @ . " @ . % . < + , 2 " I (, " * % " < . , . + & . " ? . " % + 1 . & " * 9 " ' ? . " 6 * 1 5 , + (% + % " * < < . & 5 * % 7 . % ' ' * " ' ? . " @ . % . < + , 5) N , (6 " I (' ? *) " . 4 5 < . & & " I < (' . % " 6 * % & . % " * < + N & . % " + % * ' ? . < . 4 6 . 5 ' (* % " 6 * % & (& ' . % " I (' ? " ' ? . " + I a " > ? . " < . , . + & . " * 9 " % + 1 . & " I (, " N . " @) (7 . 7 " N 2 " + 5 5 , (6 + N , . " + I / " (% 6 ,) 7 (% @ " ' ? . " L + 1 (, 2 " 3 7) 6 + ' (* % + , " C (@ ? ' & " + % 7 " G < (B + 6 2 " H 6 " \ _ L 3 C G H "] + % 7 " ' ? . " 0 , < 2 " H 6 ' a " \$ % " + 7 7 (' (* % " / " % " (% 9 * < 1 + ' (* % " I (, " N . " < . , . + & . 7 " 9 < * 1 " + 5 < * 6 . 7 (% @ " ' * " . % 9 * < 6 . " ' ? (& " G * , (6 2 " . 4 6 . 5 " + & " < . X) (< . 7 " * < 5 . < 1 (' . 7 " N 2 " , + I " + % 7 " 0 * , , @ . " 5 * , (6 2 a "

!"(9'-+())'&%')06

_0*%9(7.%'+,('2`" @.%.<+,,2" 1 .+%&" '?+' (%9*<1+'(*%" &?+<.7" N2" +% (%7(B(7)+," I('?" 7.&(@%+'.7" 6+15)&"*<"6* 1 1)%'2"5<*9.&&(*%+,&"6+%%"*'"N."<.B.+,.7""*"+%2"*'?'<'(%7(B(7)+," I('?*')""?." .45<.&&" 5.<1 (&&(*%" *9" '?." (%7(B(7)+,a">?." 6*%9(7.%'+,('2" *9" (%9*<1+'(*%" &?+<.7" N2" +% (%7(B(7)+," I('?" 7.&(@%+'.7"6+15)&"*<"6* 1 1)%'2"5<*9.&&(*%+,&"@.%.<+,,2"(&"@*B.<% .7"N2"0+,(9*<%(+,"+I/'(%6,)7(%@" 0+,(9*<%(+ 3B(7.%6." 0*7."<.&'<(6'(*%&" *%7(&6,*&)<."*9" (%9*<1+'(*%"N2" 1 .%'+" ,?'."5<*B(7.<&/" *<7+(% .7" 6, .<@2/" <+5." 6<(&(&" 6*)%&., *<&/" +%7" +' '*<% .2&/" +,, " *9" I ?* 1 " ?+B." ,. @+,,2" 5<*'.6'.7" 6*%9(7.%'+,('2a">?.&." (%7(B(7)+,&"<."5<*?(N(' .7"9<* 1 "N<.+Y(%@"6*%9(7.%'+,('2")% ,.&&"'?<." (&"+"

! ,L%M,6L	%2'F9#k,17&A#9%.&8+:S"6k I J, .%1%/&HC%1#/k

G)N,(6+ I +<. % .&&" .B. % '&"&6?"& "_>+Y. "Z+6Y""?. "8(@?/'/"?."0,*'?.&,(% ."G<*b.6'/"6+%7,.,(@?"B(@,&/" 5<*'.&'&/"*<"*?'?.<"9*<) 1&"(%" I?(6?"6* 1 1)%('2" 1. 1N.<&"7(&6,*&."(%6(7.% '&"*9'G<*?(N(' .7" 0*%7)6" 7*"%*'"(('%('+'.' ""?'."0*,,.@.A&">(',."\$E"*N,(@+'(%&/"(%6,)7(%@"('&"*N,(@+'(%*"'*'"(%B.&'(@+'.' <.5*<'&"*9 &.4)+,"?+<+&& 1 .% ""*<'&.4)+,"B(*, .%6.a" J)6?" .B.% '&" 1+2/" ?* I .B.</"(%9*< 1 ""?'."% . .7"9*<"6+ 15)&: I(7." .7)6+'(%%+," +%7" 5<.B.% '(%"% .99*<'&/" +%7" '?'." 0*,,.@." 1+2" (15,. 1 .% "" N<*+7" 6* 1 1)%('2" (%('+'(B.&"(%<.&5*%&." ""*"&)6?" .B.% '&" I ?.<." +55<*5<(+'.a"

==/6\$3/+.%/;& ;%G+'.%7&:@&!9%&B\$%.@& I 6#&

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H" _>(1 .,2" c +<%(%"@`" (&" + 6+ 15)&: I(7." %*'(9(6+'(%%" *9" +&.<(*)&" *<" 6*%'(%)(%"@ "'?<.+ "'*"'?." U66(7.% '+,"6* 1 1)%('2a">?.">(1 .,2" c +<%(%"@'7* .&"%*"'"(%6,)7."(7.% '(92(%@"(%9*< 1 +'(%%" +N*)"'"?." 6* 15,+(%+% 'a"\$9"+<.5*<"*9" 1 (&6*%7)6"7(&6,*&.&+"6*%'(%)(%"@ "'?<.+ "(%B* ,B(%@"*% . "9"?'."&5.6(9(.7" _0, .<2"6<(1 .&" ""*"'?."U66(7.% '+,"6* 1 1)%('2/"?'."0*,,.@." 1+2"(&&)." +6+ 15)& I(7." "(1 .,2" I +<%(%"@ \ I?(6?"6+%" +Y. ""?'."9*< 1 ""*9"+%". 1+(, ""*6+ 15)&]"*5<*'.6""?'."?'., '?'*<'&+9.'2"*9""?'."6* 1 1)%('2a"

E((5&6*+\$"/)'(86*+, \$"(.'C%')'+,6

H,,"?(@?.<.7)6+'(%%"(%&'(')'(%&"'?'+'<.6.(B."9.7.<+,"9)%7(%@"(%6,)7(%@"'?"0*,,.@./+<."*N,(@+' .7" '*"(&&)."5)N,(6,2"+% "H%)+," J.6)<'2"C.5*<"'_HJC`]" I?(6?"(7.% '(9(.&"'?'."%) 1N.<"*9"5+<'(6),+< <.5*<'.7"6<(1 .&"*%"6+ 15)&"*<"6+ 15)&"5<*5.<'2/"*<+7b+6.% ""*6+ 15)&a">?."HJC"7* .&"%*"'"(%6,)7." (7.% '(92(%@"(%9*< 1 +'(%%" +N*)"'"?."6* 15,+(%+% ""*<.&5*%7.% 'a"

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H,,"?(@?.<.7)6+'(%%"(%&'(')'(%&"'?'+'?+B."6+ 15)&"5*,(6."9*<6.&"*<"&.6)<'2"7.5+<' 1 .% '&" 1)&" 1+(%'+(%"+7+(,2"6<(1 ., *@"'?'+'(%6,)7.&."% '<(&"9*<"+,"6<(1 .&"'?'+'*66)<" I('?(%N*?''"?'." 0, .<2" @.*@<+5?2"+%7" '?'."6+ 15)&"&+9.'2"9*<6.A&"<.@),+<"5+<*, "<*)'.a">?."6<(1 ., *@"'7* .&"%*"'"(%6,)7." (7.% '(92(%@"(%9*< 1 +'(%%" +N*)"'"?."6* 15,+(%+% ""*<.&5*%7.% 'a"

R O

B, 0<+/&; %<3.#"1F&A<#"31/&

>?. "0*,,.@"&'<*&@,2". %6*)<+@.&'+,,("%7(B(7)+,&"*"'<.5*<'G<*&?(N(' .7"0*%7)6"'*"'? . "0(B("C(@?'&" +%7">(',\$E"U99(6.a"

! 'A"%6*'8N),6V6;')%+6<=6399'7+6

O+%7,..&'6* 15,+(% '&*"9"G<*&?(N(' .7"0*%7)6"' +@+(%&'"+%2"(%7(B(7)+,i" I *<Y&" I ('?'*"'? .<"*99(6.&" *%:6+15)&" +&" +55<*5<(+'. " '*" 5<*B(7. "&)55*<'(B. " (%'.<(1" 1 .+&)<.&/" I?(6?" 1+2" (%6,)7. " 6?+%@.&"(%"?*)&(%@/" +6+7. 1(6"9,.4(N,('2"/+%7"%*:6*%' +6"7(<.6'(B.&/" +1 *%@"*"'? .<" 1 .+&)<.&a""

H%2". 15,*2.." 1+2"5)<&)." +%2"6?+<@." *9"7(&6<(1(%+'(*%"*<" ?+<+&& 1 .%" I('?''. "9.7.<+,"

0+, (9* < % (+, + I a > ? . " 0* , , . @ . " I (, , + && (& " + " 6* 1 5 , + (% + % " " % " 1 + Y (% @ " + " 6 < (1 (% + , " < . 5* < " + % 7 " 6* * 5 . < + ' . " I (' ? , + I " . % 9* < 6 . 1 . % " + @ . % 6 (. & " (9 " + " 6* 1 5 , + (% + % " " 7 . 6 (7 . & " " * 5) < &) . " " ? . " 6 < (1 (% + , " 5 < * 6 . && " " " ? . " . 4 ' . % " 5 . < 1 (' . 7 " N 2 " , + I a > ? . " 0* , , . @ . A & " G* , (6 2 / " 7 . 9 (% (' * % & / " + % 7 " N) < 7 . % " * 9 " 5 < * * 9 " 1 + 2 " 7 (9 9 . < " 9 < * 1 " 0 + , (9* < % (+ " 6 < (1 (% + , , + I a " H " 6* 1 5 , + (% + % " " 1 + 2 " & . . Y " < . 6*) < & . ") % 7 . < " " ? (& " G* , (6 2 " + % 7 g * < " 5) < &) . " 6 < (1 (% + , + 6 ' (* % a " 8 . (' ? . < , + I " . % 9* < 6 . 1 . % ' A & " 7 . ' . < 1 (% + ' (* % " I ? . ' ? . < " * < " % " " * " 5 < * & . 6) ' . " + < . & 5 * % 7 . % ' / " % * < " ? . " *) ' 6 * 1 . " * 9 " + % 2 " 6 < (1 (% + , " 5 < * & . 6) (* % / " + < . 7 . ' . < 1 (% + ' (B . " * 9 " I ? . ' ? . < " + " B (* , + ' (* % " * 9 " ' ? (& " G* , (6 2 " ? + & * 6 6) < < . 7 a " " "

G < * 6 . . 7 (% @ & ") % 7 . < " " ? (& " G* , (6 2 " 1 + 2 " N . " 6 + < < (. 7 " *) " " 5 < (* " * " / " & (1) , ' + % . *) & , 2 " I (' ? " * < 9 * , * I (% @ " 6 (B (, * < " 6 < (1 (% + , " 5 < * 6 . . 7 (% @ & " * 9 9 " 6 + 1 5) & a " > ? . " 0* , , . @ . " 1 + 2 " % * " " 7 . , + 2 " 6 * % 7) 6 ' (% @ " (' & * I % " (% B . & ' (@ + ' (* % ") % , . && " 5 . 6 (9 (6 + , , 2 " < . X) . & ' . 7 " N 2 " " ? . " , + I " . % 9* < 6 . 1 . % " \ . a @ a / " m H G ; j a " \$ % " " ? . " . B . % " " * 9 &) 6 ? " + & 5 . 6 (9 (6 < . X) & ' / " ' ? . " 0* , , . @ . " I (, , 7 . 9 . < " (' & " (% B . & ' (@ + ' (* % " * % , 2 " 7) < (% @ " ' ? . " (1 . " ' ? + " , + I " . % 9* < 6 . 1 . % " (& " @ + ' ? . < (% @ " . B (7 . % 6 . / " I ? (6 ? " & ? *) , 7 " % * " " . 4 6 . 7 " ' . % " 7 + 2 & " + N & . % " " . 4 ' . %) + ' (% @ " 6 (< 6) 1 & ' + % 6 . & a " > ? . " 0* , , . @ . " I (, , % . B . < ' ? . , . && " 6 * 1 1) % (6 + ' . " I (' ? " " ? . " 6 * 1 5 , + (% + % " " + % 7 " < . & 5 * % 7 . % " " \ (9 " + 5 5 < * 5 < (+ ' .] " < . @ + < 7 (% @ " > (' . " \$ E " < (@ ? ' & " 5 < * 6 . 7) < + , " * 5 ' (* % & / " + % 7 " ' ? . " (1 5 , . 1 . % ' + ' (* % " * 9 &) 5 5 * < (B . " 1 . + &) < . & " * " + &&) < . " & + 9 . ' 2 " + % 7 " I . , , : " N . (% @ a " > ? . " 0* , , . @ . " I (, , 5 < * 1 5 ' , 2 " < . &) 1 . " 9 + 6 ' : @ + ' ? . < (% @ " + & " & * * % " + & " (" (& " (% 9 * < 1 . 7 " ' ? + " , + I " . % 9* < 6 . 1 . % " " ? + & " 6 * 1 5 , . ' . 7 " (' & " (' (+ , (% B . & ' (@ + ' (* % a " "

Q&%, +6*+\$"/),6

> ? . " 0* , , . @ . " + Y . & " " ? . " + 6 6) < + 6 2 " * 9 " (% 9 * < 1 + ' (* % " B . < 2 " & . < (*) & , 2 / " + & " + " < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 " 1 + 2 " ? + B . " & . B . < . " 6 * % & . X) . % 6 . & a " H " @ * * 7 : 9 + (' ? " 6 * 1 5 , + (" " " ? + " " < . &) , ' & " (% " + " 9 (% 7 (% @ " * 9 " % " " < . & 5 * % & (N , . (& " * " " 6 * % & (7 . < . 7 " + " 9 + , & . " * < " 9 + N < (6 + ' . 7 " < . 5 * < " * 9 " G < * ? (N (' . 7 " 0 * % 7) 6 ' a " 3 + 6 ? " 5 + < ' 2 " + % 7 " . B . < 2 " I (' % . && " (& " . 4 5 . 6 ' . 7 " ' * " 5 < * B (7 . " ' <) ' ? 9) , " (% 9 * < 1 + ' (* % " " * " ' ? . " \$ % B . & ' (@ + ' * < / " O . + < (% @ " U 9 9 (6 . < / " + % 7 " H 5 5 . + , & " U 9 9 (6 . < a " J ? *) , 7 " + % 2 " 5 + < ' 2 " * < " + " I (' % . && " 5 < * B (7 . " Y % * I (% @ , 2 " 9 + , & . " (% 9 * < 1 + ' (* % " + & " 5 + < " * 9 " " ? (& " 5 < * 6 . && / " ' ? (& " 1 + 2 " N . " 6 * % & (7 . < . 7 " + " B (* , + ' (* % " * 9 " 0 * , , . @ . " 5 * , (6 . & " + % 7 " I (, , N . " < . 9 . < < . 7 " * " " ? . " + 5 5 < * 5 < (+ ' . " * 9 9 (6 . " 9 * < 9) < ' ? . < " ? + % 7 , (% @ a " \$ " (& " + " B (* , + ' (* % " * 9 " " ? . " 0 * 7 . " * 9 " J ') 7 . % " " 0 * % 7) 6 " " * " 1 + Y . " + % (% ' . % ' (* % + , , 2 " 9 + , & . " < . 5 * < " * 9 " + % 2 " 5 * , (6 2 " B (* , + ' (* % / " + % 7 " (" 1 + 2 " + , & * " B (* , + ' . & ' + ' . " 6 < (1 (% + , & ' + ') ' . & " + % 7 " 6 (B (, 7 . 9 + 1 + ' (* % " , + I & a " "

*+\$"/),6<(A""A'(86R'("/,6"/6>5,\$+7)+-6!N%-6EC5,+6

f \$9"?.<."(&"%*(1 1 .7(+'. "7+%@.</"6*%' +6'"?'."0?(,7G<*'.6'(*%"O*',(%."#="?*)<&" +7+2/"M"7+2&
+ " I . . Y/" + "\PRR]"F=R:=RRRa"\$9"6+,,(%@"9<* 1 "*")' &(7. "*9"0+, (9*<%(+/"6+,, "\#!S]"KS[:]=FRRa"

H%2"U66(7.%'+, ". 15,*2.. " I ?*(("&+,&*+"6*%9(7.%'+, ". 15,*2.. "\9*<" .4+ 15,./+"?' .<+5(&/'&.4)+,
+&&+),"B(6'(1 "+7B*6+'./"5?2&(6(+%"]"+%7" I ?* " I +&" ?(<.7"(% '*"' ?+' "6*%9(7.%'+, "<*,. "&?*) ,7"<.5*<"
&)&5.6'.7"6?(,7"+N)&. "*<%. @, .6"'*"+ I ". %9*<6. 1 . %'+%7g*<"?' . "m*&"H%@.,.&"0*)% '2" ; .5+<' 1 . %"
*9"0?(,7"+%7"L+ 1 (,2"J.<B(6.&"N) "' I *),7%*" 1 +Y. "+%2"&)6? "<.5*<' '*"' ?." 0(B,("C(@?'&"D">(',."\$E"
0**<7(%+'*<"*<"?' . " ; (<.6'*<"*9"0+ 15)&"J+9. '2a"

M R

W5*% "<.6.(5'"*9"+<.5*<'/'?' ."0*,,.@." I (, "5<*B(7."<.+&*%+N, . "+%7"+55<*5<(+' . "&)55*<'(B." 1 .+&)<.&
7.&(@%.7" '*" 5<.&.<B." .X)+, "+66.&&' '*"' ?." 0*,,.@. A&" 5<*@<+ 1 &" +%7" +6'(B('.&/" +%7" '*" 5<*'.6"' ?."
5+<'(.&"(%B*,B.7a">?." 0*,,.@." I (, " 1 +Y."<.+&*%+N, . ".99*<'&" '*" 6* 1 1)%(6+' . " I ('?' '?' . "5+<'(.&" '*"
. %&)<.' ?+' "+, ,&+9. '2/" . 1 *' (*%+, +%7"5?2&(6+, " I ., :N. (%@"6*%6.<%&"+<."N. (%@"+77<.&&.7a"J)55*<'(B."
1 .+&)<.&" 1 +2" N. " (15*&.7"<.@+<7, .&&" *9" I ?.'?' .<"9*< 1 +, "7(&6(5,(%+<2" +6'(*%" (&" &*)@?' "N2" '?' ."

- f H&&(&' + %6. "(% " *N' + (% (% @ " + &. 4) + , " + && +) , " 9 * < . % &(6" . 4 + 1 (% + ' (* % " * < " * ' ? . < " 1 . 7 (6 + , "& . < B (6 . &i"
- f \$ 1 5 * & (' (* % " * 9 " 6 + 1 5) & " _ % * : 6 * % ' + 6 " " 7 (< . 6 ' (B . i ` "
- f C . & 6 ? . 7) , (% @ " * 9 " . 4 + 1 & ' + % 7 " + && (@ % 1 . % ' &i"
- f G < * B (7 (% @ " + , ' . < % + ' (B . " 6 *) < & . " 6 * 1 5 , . ' (* % " * 5 ' (* % & / " 6 ? + % @ . " (% " 6 , + && " & 6 ? . 7) , . / " (% 6 ,) 7 (% @ " ' ? . " + N (, ' 2 " " * " + Y . " + % " _ (% 6 * 1 5 , . ' . / " 7 < * 5 " + " 6 *) < & . " I (' ? *) " 5 . % + , ' 2 " * < " < + % & 9 . < " & . 6 ' (* % &i"
- f 0 ? + % @ . " (% " I * < Y " & 6 ? . 7) , . " * < " } * N " + && (@ % 1 . % ' i"
- f 0 ? + % @ . " (% " * : 6 + 1 5) & " ? *) & (% @ / " I ? . % " 9 . + & (N , . / " * < + < < + % @ (% @ " " * " 7 (&& * , B . " + " ? *) & (% @ " 6 * % ' < + 6 " + % 7 " 5 < * : < + ' (% @ " + < . 9) % 7 " (% " + 6 6 * < 7 + % 6 . " I (' ? " 6 + 1 5) & " ? *) & (% @ " 5 * , (6 (. &i"
- f m (1 (' (% @ " + % " (% 7 (B (7) + , " * < " * < @ + % (d + ' (* % A & " + 6 6 . && " " * " 6 . < ' + (% " 0 * , . @ . " 9 + 6 (, (' (. & " * < " + 6 ' (B (' (. & " 5 . % 7 (% @ " < . & * ,) ' (* % " * 9 " ? . " 1 + ' ' . < i"
- f - * ,) % ' + < 2 " , . + B . " * 9 " + N & . % 6 . i"
- f G < * B (7 (% @ " + % " . & 6 * < " " * " . % &) < . " & + 9 . " 1 * B . 1 . % " " N . ' I . . % " 6 , + && . & " + % 7 " + 6 ' (B (' (. &i"
- f G < * B (7 (% @ " + 6 + 7 . 1 (6 " &) 5 5 * < " " & . < B (6 . & / " &) 6 ? " + & ") ' * < (% @ i"
- f \$ % ' . < (1 " &) & 5 . % & (* % " * < " 0 * , . @ . : (1 5 * & . 7 " , . + B . i"
- f H % 2 " * ' ? . < "

B, .%&, 17&) + << 3. #& ; % / 3 + . 6% / & > 3. & B 3 0 < \$, " 1, 1# / &, 17& ; % / < 3 1 7 % 1 # / &
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\S#S]#F[:#K#!"

K#\$%"0++6E,,')&(7+6./"8/

U66(7.%'+,"0*,,.@.A&"3 15,*2.."H&&(&'+%6."G<*@<+ 1 "\3HG]"(&"7.&(@%.7"'*"?.,5" 1+4(1(d." . 15,*2..&A"?.,'?'+%7".99.6'(B.%.&&+"'"?*" 1."+%7"+" I*<Ya"H7 1(%(&'<.7"N2"HN,('2"H&&(&" N2"O+<'9*<7/"'?"3HG"*99.<&". 15,*2..&'6*%9(7.%'+,/"5.<&*%+, "&)55*<'9*<'+ " I(7."<+%@."*9" (&&).&/"9<* 1 ".B.<27+2"6*%6.<%&""*"&.<(*)&"5<*N,. 1 &a">?. "3 15,*2.."H&&(&'+%6."G<*@<+ 1"(& +B+(, +N,.""*". 15,*2..&"+%7"'?.(<"9+ 1(,2" 1 . 1 N.<&"+'%*"6*&'a"

B31>"7%1#", \$& 5 %7"6, \$& ; %/3+.6%/&

'1& B, \$">3.1", Pk 0 %7"6, \$& <.3C"7%./& J93& #.%, #& , & <9@/"6, \$& "1Q+. @& /+/#, "1%7& >.30& , 1& , //, +\$#P& <9@/"6, \$& 3.& /%*+, \$P& , .%& .%G+".%7& : @& /#, #%& \$, J& #3& .%<3.#& #9%& , //, +\$#& #3& \$, J& %1>3.6% 0%1#&& O* I .B.</"'?. "5+'(.% "'?+&'?'<(@?' "'* "<.X) .& "'?'+'+'&)<B(B* "<+7B*6+' .N. "5<.& .% "' I ?.% "'?. "5+'(.% "' &5.+Y&" I ('?', +I ".%9* <6. 1 .% "' +%7"'* "<.X) .& "'?'+'+'&)+I ".%9* <6. 1 .% "' %* "5)<)& . "+6<(1 (%+, "6?+&@. "+ "' ?+' "' (1 .a" L)<'?'</"'?. "7(&6,*&)<." *9" 5<(B+' . (%9* <1+'(*% "6*%'+(% .7" (% " 1 *&' " 1 .7(6+, "<.6* <7&" (& @.% .<+,,2"5<*'.6'.7"N2"O\$GHH/" +%7"6* 1 1) (%'2" 1 .7(6+, "5<*B(7.<&" I (, "%*"'%*" '(92"'?. "0*,, .@. a"

R3.%1/"6& %* , 0 "1, #31/D" j)+, (9(.7" 5<*B(7.<&" 6+% "5<*B(7." + "9* <. %& (6" .4+ 1 (%+'(*%a">? ."9* <. %& (6" 1 .7(6+, ".4+ 1 "?+&" I *%"+, &V"9(<&'/" '*7(+@%*& . "+%7" '<.+ "'?' . "9) ,, ".4'.% "'*9"+%2" (%b) <2"* <'5?2&(6+, ".99.6" "\(%6,) 7(%@ " 5<.B.% '(*% " *9" &.4)+, "2" '<+%& 1 ('.7" (, ,% .&&.& "+%7" 5<.@%+%62]" +%7" &.6*%7/" '* 5<*5 .<,2"6* , .6" +%7" 5<.& <B." .B(7.%6.a">?<.& ("&"+, (1 ('.7" I (%7* I " *9" '(1 .\ I ('? (% [K" ?*) <&]" 9* , * I (%@ "+% "(%6(7.% "'*9&.4)+, "+&&+), "' '*5<.& <B."5?2&(6+, "+%7"*?'<."9* <1 &"*9".B(7.%6."/+, '?*) @?" (' 1+2"N. "5* &&(N. . " '* " *N'+(% ".B(7.%6."9* 1 " * I ., &/" &? . ' &/" 6,*?'&." +%7" '*?'<(' 1 &"9* <".% @.<" 5.<(*7&"*9" '(1 .a"\$' (&N.& "'* " @+'?<." .B(7.%6."5<(*<"* I +&? (%@ "+5.<&*%A&N*72"* <6?+@ (%@ "6, '*? (%@a" \$9)6,*?'&."?+B."N. .% "6?+@.7"?' . "6,*?'&." I *% "<+"+'?' . "(1 ."9"?' . "(%6(7.% "'&?*) , 7"N."N<*) @?' "'* "'? . ".4+ 1 (%+'(*% "(% "+6. .+%/ "&+ (% '<2"6*%'+ (% '<.&)6?"+&" +5+5.<N+@ "*<" I +55.7" (% "+6. .+%"&? . 'a" ; "%*% "')& . "+5,+&' (6"N+@V"5,+&' (6"6*%'+ (% '<.& "7*%*" "N<.+?' . "+%7" 1+2"<. %7.<."B(7.%6.) & ., &&a" H'6?+@. " *9" 6,*?' (%@ "&?*) , 7"+, &*N."N<*) @?' "'* "'? . "?* &5(+, /+&"?' . "6,*?'&." I *% "<+"+'?' . "(1 ."9"?' . "(%6(7.% "' I (, , (Y.,2"N."Y.5" "+&" .B(7.%6.a">+Y (%@ "'? . "&' .5&" '* " @+'?<." .B(7.%6." (1 1 .7(+ .,2"7* .&" *% "'6* 1 1 (" +% (%7(B(7)+, "' * "+%2"5<' (6), +<'6*) <& . " *9"+6' (*%a">? . "7.6& (*% "'* & . Y" (1 .,2" 1 .7(6+, '+'.% ' (*% "+%7" @+'?<." +%2" .B(7.%6." I (, "5<.& <B."?' . "9) ,, "<+@. " *9" *5' (*%&" '* & . Y"<.&* ,) (*% ") %7.<"?' (&"G* , (62"* <'?'<*) @?' "'? . "5)<)& (" *9"6<(1 (%+, "5<* &.6) ' (*% "+%7" 1+2"N."? . ,59) , (%* "N'+ (%@ "5<*'.6'(B. " * <7.<&a"

>+4("B*)6? .<&"< . "+B+(, +N. . "+ "G<*b.6" JHL3/"0+15)&" J+9.'2/"3 1 1 *%&" J')7.% "' c ., ,% .&&"0.% '<"+%7" C.&(7.% '(+ , "37)6+' (*% "+%7" O*) & (%@ " J.<B(6.&" '* "5<*B(7."9< . " '<+%&5* <'+' (*% "'* " , *6+, " 1 .7(6+, "6.% '<.&a">? ." J)<B(B* "<H7B*6+' . (&"+, &*"+B+(, +N. . " '* "+66* 15+%2" &)<B(B* "<&" '* "+66.&&" *99:6+15)&" <.&*) <6.&a">? ."9* , * I (%@ "'?'< . " *99:6+15)&" 1 .7(6+, "6.% '<.&"< . "+, , "7.& (@%+ ".7"N2"m*&" H% @. . .&" 0*) %'2" +&" J.4)+, "H&&+), "C.&5*%& . "> . +1 "_JHC>`] 0.% '<.&a" c ?(, . "'? . "&5.6(9(6"5<*6.&&" +%7" <.&*) <6.&" .+6?" JHC>" 0.% '<." *99.<&" 1+2" B+<2/" @.% .<+,,2" .+6?" JHC>" 0.% '<" I (, "5<*B(7." +% (1 1 .7(+ ./" B(6'(1 :6.% '<.7" <.&5*%& . "9* , * I (%@ " +% "(%6(7.% "' *9" &.4)+, "+&&+), '/' (%6,) 7(%@ "6* , +N* <+' (%@ "N.' I .% "'?' . "?* &5(+, /+I ".%9* <6. 1 .% "' +@.%6(.&/" +%7" &.4)+, "+&&+), "6*) %& ., * <&" '* 5<*B(7."6* 15<. ? . %& (B. "'<.+ ' 1 .% "'*5' (*%&a"

>&(6L&C/' +%6G&%%+06R+- '7&%6!+ (+)/6

m*&"H%@.,.&/"0+, (9*<%(" [RRSS"
\S#S]"##K:S[K!"

*&\$+6; /+&)#+()!+()+/6&)>&()&6R "('7&4W! SE6R+- '7&%6!+()+/6

G<*B(7.&"6* 15< .? .%&(B./"9< . ." '<.+ ' 1 .% "'9*<"&.4)+, "+&&+), "'&)<B(B*<&/"(%6,)7(%@"#=" ?*)<"
. 1 .<@.%62" 1 .7(6+, " 6+<." +%7" 9*<.%&(6" .4+1 &" 5.<9*<1 .7" N2" J.4)+, " H&&+), "' 8)<&."
34+1 (%.<&/"6*)%&., (%@"+%7"5&26?*'?'<.+52/" +7B*6+62/" +%7" +66* 15+(1 .% "'&.<B(6.&a"m*&"
H%@.,.&"0*)% '2"7.&(@%+' .7"JHC>"

!&%9"/('&62 "#+(Y,6S&O6!+()+/6T! 2 S! U6

>?. " 0 c m 0"?+&"+' '*<% .2&" +B+(,+N,. " '*&.<B. "+&" +<.&*)<6.g+7B(&*<" '*U66(7.%'+," 0*,,.@. " 6* 15,+(%+% '&/' (%6,)7(%@" N*'?" 1 .%"+%7" I * 1 .%/ " I ?*" +<. " 9(,%@" >(',. "\$E" &.4)+," +&&+),'/ ?+<+&& 1 .%/' '*<@" .%7.<"7(&6<(1 (%+' '*%6* 15,+(% '&"+%7"@*(%@" ?<*)@?"'?. "U66(7.%'+," 0*,,.@. " <.&*,)'(*%5<*6.&&a"pG,. +&. "%*'. /"?* I .B.<?"?+""?. "0*,,.@. "7* .&"%*" .%7*<& ."*<"<.6* 1 1 .%7" '?(& " *<@+%(d+' (*%" \ *< " '?.(< " + ' '*<% .2&]"/ +%7" '?+""?. " *<@+%(d+' (*%" 1 +Y. & " +%" (%7.5.%7.% " 7.6(&(*%"+N*) ""'?. "6+& .&'"?'+' (" I (, "+66.5"+%7"?' . " .<1 &"*9"?' . "<.5<. & .%'+ (*%a" SKR" 8 *<'?'G+6(9(6"0*+&' "O(@? I +2"/J)(' . "#RMR/"3,"J. @) %7*"/"0H" [R#=#F" ?'5&Vgg I I I a6 I,6a* <@g" \S#S]" [F! : !R=!"

O R O

>?. " 0*,,.@. " (&"6* 1 1 ('.7"' '*5<*B(7(%@" +5<* 15'/"?'*<*)@?"/.X)(' +N,./"+%7"(15+<'(+,<.&*,)'(*%"*9" +,, "<.5* <' .7" B(*,+ '(*%&" *9" '?(&" G*,(62a" >?. " 0*,,.@. ")&.& " I * " 5<*6.&&.& " '*<.&*,B. " <.5* <'&" *9" G<*?(N(' .7" 0*%7)6") %7.<"'(&" G*,(62V" ; (&6(5,(%+<2" C.&*,)'(*%/" I ?(6?" (%B*,B.&+"% "(%B.&'(@+'(*% " +%7"+7b)7(6+' (*%/" +%7"(9"+55<*5<(+'. /"?' . "(15* &' (*%"*9"&+%6' (*%&/" +%7"H7+5"+N,."C.&*,)'(*%/" I ?(6?" (%6,)7.&" <.&' * <+' (B. " *5' (*%&"9* <"<.&*,B(%@" <.5* <'&a" >?. " 0(B, "C(@?'&"D" >(', "\$E" 0**<7(%+ '*<' I (, " 7. ' .<1 (%. "'?' . "+55<*5<(+'. "<.&*,)'(*%5<*6.&&" +9'.< 1 +Y(%@" +%" (%('(+," +&&.&& 1 .% "' *9"?' . "<.5* <' .7" (%9* < 1 +' (*%/" 6*%&(7.<(%@" '?' . "&' + ' .7" (%. <.&'&" *9"?' . " 5+<' (.&/" 6+ 15)&" &+9. '2"/ +%7"?' . " 0*,,.@. A&" *N,(@+' (*%"* " 1 +(%'+(%+"%". %B(<*% 1 .%""9<. ."9<* 1 " ?+<+&& 1 .%'+%7"7(&6<(1 (%+' (*%a" "

>?. "5<*6.&&.&)"%7.<"'?'(&"G*,(62"+<.&.5+<+'. "+%7"00050250 - 789T0* - 630.291 .2(5+)0.2(<.)00.2((") - 80

'?+/'" I ? . % + " 6 < (1 . " 1 + 2 " ? + B . " * 6 6) << . 7 / " ' ? . 2 " ? + B . " ' ? . " < (@ ? " ' * " < . 5 * < " ' ? . " 1 + ' ' . < " ' * " , + I " . % 9 * < 6 . 1 . % ' i "
' ? . " < (@ ? " ' * " & . . Y " 1 . 7 (6 + , " < . + ' 1 . % ' i "
' ? . " 0 * , , . @ . A & " (% B . & ' (@ + ' (* % " 5 < * 6 . 7) < . & i "
5 * ' . % ' (+ , (% ' . < (1 " 1 . + &) < . & " ' ? + " + < . " + B + (, + N , . i "
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+ " < . X) . & " ' 9 * < " ' ? . " 6 * 1 5 , + (% + % " ' * " 1 . . " I (' ? " ' ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " U 9 9 (6 . " ' * " 7 (& 6) & & " * 5 ' (* % & " 9 * < " < . & 5 * % 7 (% @ " ' * " ' ? . " < . 5 * < ' i " "
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H & " 5 + < " * 9 " ' ? . " (% (' (+ , + & & . & & 1 . % ' / " ' ? . " 0 (B (, " C (@ ? ' & " D " > (' , . " \$ E " U 9 9 (6 . " I (, , V " "

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f + 7 7 < . & & " (1 1 . 7 (+ ' . " 5 ? 2 & (6 + , & + 9 . ' 2 " + % 7 " . 1 * ' (* % + , " I . . , : N . (% @ i " " " "

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- f H"6* 15,+(%+% "%*(9(. &"'?."0(B("C(@?'&"D">(',\$E"0**<7(%+'*<"(% I<('(%@"'?'+"''?.2" I*),7" , (Y."*" I('?'7<+ I""?. "9*<1 +,"6* 15,+(%'"*<"+%2"+,,. @+'(%%&"'?.<.(%i"
- f >?.<.&5*%7.%'"(&"%*",*%@.<".%<*,,.7"*<". 15,*2.7"N2""?. "0*,,.@.i"*<"
- f J5.6(9(6"6(<6) 1 &' +%6.&"5<.B.% ""'?. "0*,,.@."9<* 1 "@+'?.<(%@" .B(7.%6."&)99(6(.% ""'*<.+6?"+" 7.'<1 (%+'(%%"+&"*"?"?. "9*<1 +,"6* 15,+(%'"*<"+,,. @+'(%%&"'?.<.(%a"

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 \$9"+"9*<1 +,"6* 15,+(%'"(&"7(& 1 (&&.7"N2""?. "0*,,.@.")%7.<"'?. "6(<6) 1 &' +%6.&"7.&6<(N.7"+N*B./"?'." 0*,,.@." I(,,"&(1),'+%.*)&,2"5<*B(7."*"?"?. "5+<('.&" I<('.% "%*(6."*9"?'."7(& 1 (&&+, "+%7"?'."<.+&*%& 9*<"'?. "7(& 1 (&&+, "/+%7"%*(6."*9"?'."5+<('.&A"*55*<')%('2""*"+55.+,"&)6?"7(& 1 (&&+, "'?<*) @?"'?. "+55.+," 5<*6.7)<.&"*'),(%."7"(% "[H55.%7\(4" ^a](#)"

R3. 0 , \$B30 <\$, "1#/k)"F1%7& : @&B"C"\$& ; "F9#/ &S &! "#\$%&' (&B33.7"1, #3.&

\$%" 6+&.&" I'?.<." ('"+55.+<&"N+&.7" *%"+%" (%('(+,"<.5*<"'?'+'''?. " ., . 1 .%'&"&'+'.7" +N*B." I*),7"N." &+'(&9(.7/"N) ""'?. "6* 15,+(%+% "'7* .&"%*" I (&?"*"9(, ."9*<1 +,"6* 15,+(%/'"?'."0(B("C(@?'&"

- f I ? . ' ? . < " ? . < . " ? + B . " N . . % " * ' ? . < < . 5 * < ' & " * 9 " * " ? . < " G < * ? (N (' . 7 " 0 * % 7) 6 " * < " * ' ? . < " 1 (& 6 * % 7) 6 " N 2 ' ? . < . & 5 * % 7 . % ' i " " "
- f I ? . ' ? . < " ? . < . 5 * < " < . B . + , & " + " 5 + ' . < % " * 9 " 1 (& 6 * % 7) 6 " < . , + ' . 7 " * " G < * ? (N (' . 7 " 0 * % 7) 6 " + " + " @ (B . % , * 6 + ' (* % " * < " N 2 " + " 5 + < ' (6) , + < " @ < *) 5 i " " "
- f ' ? . " 6 * 1 5 , + (% + % ' A & " (% ' . < . & " (% " ' ? . " 0 * , , . @ . " % * " " 5) < &) (% @ " + % " (% B . & ' (@ + ' (* % " * < " 7 (& 6 (5 , (% + < 2 " + 6 ' (* % " + % 7 " ' ? . (1 5 + 6 " * 9) &) 6 ? " + 6 ' (* % & " * % " ' ? . " 6 * 1 5 , + (% + % ' i " " "
- f I ? . ' ? . < " ? . " 0 * , , . @ . " 5 * & & . & & . & " * ' ? . < " 1 . + % & " * " * N ' + (% < . , . B + % " " . B (7 . % 6 . i " " "
- f 9 + (< % . & & " 6 * % & (7 . < + ' (* % " * 9 * < " N * " ' ? " ? . " 6 * 1 5 , + (% + % " + % 7 " ' ? . < . & 5 * % 7 . % ' i " " "
- f ' ? . " 0 * , , . @ . A & " * N , (@ + ' (* % " * 5 < * B (7 . " + & + 9 . " + % 7 " % % : 7 (& 6 < (1 (% + ' * < 2 " . % B (< * % 1 . % ' i " + % 7 " " "
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>?. "0*,,.@" I(,,"9*,,* I""?. "G<*6.&&. &"7. &6<(N.7"?.<.(%"N+<<(%@" .46.5'(*%+, "6(<6) 1 &' +%6. &a"\$%"<+<." (%&' +%6. &/' ?* I. B.</' '?." 0*,,.@" 1+2"N. "<.X)<.7" '*"+7+5"' *<" 1 *7(92"'?. "G<*6.&&. &\"(%6,)7(%@" '(1 .,(% .&]"** .%&<." 5<* 15""+%7".X)(' +N, . "<. &* ,)'(*% "*9"+<. 5* <"*9"G<*?(N(' .7"0*%7)6'a">?. "0*,,.@" <. &.<B. &"'?(&"<(@?' a"\$%&)6?"(%&' +%6. &/' ?." 0*,,.@" I(,,"%*(92"'?. "5+<(' .&"*9"'?. "1 *7(9(6+'(*% "*9"'?. "G<*6.&&. &"+%7/" (9"+55<*5<(+.' /" '?." .46.5'(*%+, "6(<6) 1 &' +%6. &"<.X)<(%@" '?." 0*,,.@" '*"+7+5"' *<" 1 *7(92"'?. "G<*6.&&. &a"

*+Z5+,),69''/6F+%&0,6&(-6K?)+ (, ''(,6''96; '#+6

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7.'.<1 (%+'(*%" '?+' "'?." <.&5*%7.% "' ?+&" .%@+@.7" (%' '?'." 6*%7)6'" +&" +,,.@.7a">?." <.&5*%7.% "' (&5<.&) 1 .7"%*"'<.&5*%&(N,. "9*<'?'."6*%7)6""'+'(&'?'."&)Nb.6""*9""?."(%B.&'(@+'(*%"/)%,.&&"+%7")%'(",+"7.6(&(*%"*9"<.&5*%&(N,('2"?+&"N..%" 1+7.")5*%"?'."6* 15,.(*%""*9""?." +7b)7(6+'(*%"5<*6.&&a

+7"/-6+)+()'"(6

>?. " 0(B(" C(@?'&" D" >(', " \$E" 0**<7(%+'*<" I(, " <.'+(%<.6*<7&" *9" +,, " <.5* '&" +%7" 6* 1 5,+(% '&/"
<.@+<7,. &&"*9" I ?.'?.<"?." 1+''.<("&"<.&* ,B. 7"N2" 1 .+%&"*9"\$%('(+,"H&&.&& 1 .%"/"H7+5'+N,."C.&* ,)'(*%"
* '<" ;(&6(5,(%+<2"C.&* ,)'(*%a" 0* 1 5,+(% '&"<.&* ,B. 7"N2" 1 .+%&"*9"+% "\$%('(+,"H&&.&& 1 .% "'* "<"H7+5'+N,."

f ?* I ""* "& .<B. (1 5+<'(+,2/'(%6,)7(%@"N2"+B*(7(%@"5<.b)7@ 1 .%"*9""?. "9+6'&"+'("&&)./'6*%9,(6'&" *9"(%' .<.&'/'+%7"N(+&i"+%7"

f (&&).&" *9"<.,.B+%6. " *9" X) .&'(%&" +%7" .B(7.%6./" (%6,)7(%@" I ? .%" X) .&'(%&" +%7" .B(7.%6. " +N*) """? . "6* 1 5,+(%+% 'A&"&.4)+, "5<.7(&5*&'(%%"* "<5<(*<"&.4)+, "N. ?+B(*<"+<. "%*" "<.,.B+% 'a"

H%2"(%7(B(7)+, " I ?*" I (, "N. "6**<7(%+'(%@"+%2"? . +<(%@"(%B*,B(%@">('.. "\$E" J.4)+, "O+<+&& 1 .%" " 1)&" +,&*"?+B. "'<+(%(%@"*%" ?* I ""*")&. "+%2"' .6?%*, *@2"'?+" I (, "N. ")&.7"+'"+, (B. "? . +<(%@"a"

\$%B.&'(@+'*<&" 1)&'"+B. "'<+(%(%@"*%" ? . "9* , * I (%@"5<(*<"*6* 1 1 . %6(%@"+"<*, . "(%"+%2"6+&. "(%B*,B(%@" >('.. "\$E" J.4)+, "O+<+&& 1 .%" 'V"

f '?. "7.9(%('(%%"*9"&.4)+, "?+<+&& 1 .%")%7.<"S="OLC"!RKaSR\+ji"

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\$%B.&'(@+'*<" I(,," &?+<." '?. "\$%'<.B(. I " J) 1 1+<2" I('?'?'." (%'.<B(. I ..a">?. "(%'.<B(. I .." I(,," ?+B."
'?<." \S]N)&(% .&&"7+2&""*6* <<.6""* <"6* 1 1 .% ""*%"+%2'&' +. 1 .%'&" 1+7."(""?'."\$%'<.B(. I "J) 1 1+<2a"
>?. "7.+7,(% . "1+2"N." .4' .%7.7"9* <"^*7"0+) &."/)5*%<.X) .&""*""?."\$%B.&'(@+'*<a"\$9""?."(%'.<B(. I .."
?+&" %*" 6* <<.6'(*%&" '*/" * <" 6* 1 1 .%'&" *%/" '?. "\$%'<.B(. I " J) 1 1+<2/" '?. "(%'.<B(. I .." I(,," &(@%" +%"
+6Y%* I, .7@. 1 .% ""?'+'?'." (%'.<B(. I .." ?+&" <.B(. I .7"+%7"+@<..&""?'+'?'."\$%'<.B(. I " J) 1 1+<2" (&
+66)<+.a" \$9" '?. "(%'.<B(. I .." ?+&" 6* <<.6'(*%&" * <" 6* 1 1 .%'&" '*" '?. "\$%'<.B(. I " J) 1 1+<2/" '?. "
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'*"<.,.B+%'"(%9*<1+'(*%/''?."\$%B.&'(@+'*<" I(,,".45,+(%""*''?. "5+<'2" I ?*"5<*5*&.7''?. "X).&'(*%&"+%2"
7.6(&(*%""*".46,)7."+"X).&'(*%"+&"%*"'"<.,.B+% 'a"
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W5*% "<.6.(5""*9".+6?"5+<'2A&"<.&5*%&."*""? ".B(7.%6."<.B(. I .7/'"?. "\$%B.&'(@+'*<" I(,"7.'<1(%."9"
+%2"+77('(*%+,"(%B.&'(@+'(*%("(&"%..7.7a"\$%" +77('(*%/".('?.<"5+<'2" 1+2"*99.<"% . I " I ('%.&&.&"*<"*'?.<"
% . I ".B(7.%6.a">?."\$%B.&'(@+'*<" I(,"6*%&(7.<"'?. "<.&5*%&.&"5<*B(7.7/" I(,"5*&. "X).&'(*%&""*5+<(&"
*<" I ('%.&&.&"+&" +55<*5<5<+'.'\+'"'? ."7(&6<.'(*%""*9"'?."\$%B.&'(@+'*<]"/"+%7"(%'.<B(. I "% . I " I ('%.&&.&/"
+%7"+66.5""% . I /" <.,.B+% '/'" .B(7.%6.a" \$9"% . I " <.,.B+%'" .B(7.%6." (&" 5<*B(7.7" N2" .('?.<" 5+<'2/" *<"
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- % , . " 1F&

O.+<(%@&"I(,"N."?.,7"B(+B(7.*6*%9.<.%6(%@a"G<(*<"*"'?."? .+<(%@/'"?."O.+<(%@U99(6.<"I(,"<.6.(B." (%&'<)6'(*%&"<.@+<7(%@"'?"*5.<+(*%"*9"+%2"+)7(*:B(&)+,".X)(51.%'"9*<"'?"? .+<(%@"3+6?" 5+<'(6(5+%'"&?+,,"+,&*N."5<*B(7.7"I('?(%&'<)6'(*%&"*%?"*I""*"+66.&&"'?"? .+<(%@"3+6?"? .+<(%@"I(," N."+)7(*"<.6*<7.7a"8*(%7(B(7)+,(&"5.<1(''.7"'"*"<.6*<7" I?(",'?'?"? .+<(%@"(&' +Y(%@"5,+6.a">?." <.6*<7(%@"(&"'?"5<*5.<'2"*9"U66(7.%'+,"0*,,.@."N)""I(,"N."+B+(+N,."'"*"'?"5+<'(.&"9*<,(&' .%@"N2" 6*%' +6

\$9".('?.<"5+<'2"7*."&"%*" "+55. +</'"?.(<"+7B(&*<" I(,"N."5<.&.%'"9*<'?".5)<5*&."*9"+&Y(%@"X).&'(*%&"*9"
'?."*'?.<"5+<'2/"*<"*9" I('%.&&.&a";)<(%@"'?'?."?." +<(%@/"(9".('?.<"5+<'2"?'+"&"%2"9*,"* I :)5"*<"6,+<(92(%@"
X).&'(*%&"9*<"'?. ".*'?.<"5+<'2/"*<"9*<" I('%.&&.&/'"?."X).&'(*%&" 1)&'N."&)"N 1 (''.7"(%" I <('@"'*"?'."
O.+<(%@"U99(6.<a">?."O.+<(%@"U99(6.<" I(,"7.'.<1(%."?'?."<.,.B+%6."*9".+6?"X).&'(*%"+%7".45,+<(%"
I ?2"+%2"X).&'(*%("&"7.. 1 .7"(<<.,.B+% 'a" 3+6?"5+<'2" I(,"

),16#31/&,17&;%0%7"/&

W5*% " 6*%6,) &(*% " *9" '?. " +7b)7(6+'(*% " 5<*6.&&/" I?.% " '?.<. " (& + " 9(%7(%@" *9" <.&5*%&(N,('2/" '?. " 6* 1 5,+(%+% "' I(,,"N. " *99.<.7" &)6?"<. 1.7(.&"7.&(@%.7" '*"<.&'*<. " *< 5<.&.<B. " .X)+,"+66.&&" '* " '?. " (%&'(') '(*%A&" .7)6+'(*% " 5<*@<+ 1 " *<"+6'(B('2a"\$9"?' . "O.+<(%@"U99(6.<"7. ' .<1(% .&"?'+"'"?' . "<.&5*%7. % " (&"<.&5*%&(N,."9*<"*% . " *<" 1 *<."B(*,+ '(*%&"*9"?' . "0*,,.@. A&"+%'(7(&6<(1 (%+'(*% "5* ,(6(.&/'?' . "0*,,.@. " I(,," (&&)." &+%6'(*%&" 6* 1 1 .%&)<+'." I('?' '?' . " B(*,+ '(*%\&]" (% " +66* <7+%6." I('?' [H55.%7\(4" 3" *<](#) [H55.%7\(4"La" H%2"&+%6'\(*%&"\(&&\)." 7" I\(,,"N. "\(%6,\)7.7"\(%"?' . "O.+<\(%@"U99\(6.<A&" I<\('' .% "7. ' .<1\(%+'\(*%a](#)

I<<% ,\$/&

H55.+,&" 1 +2"N. "9(, .7"N2" .('?.<"5+<'2"+%7" 1)&"N. "&.% ""*"'?' . "0(B("C(@?'&"D">(',."\$E"0**<7(%+'*<a" c ? .% " +%" +55.+, "&"9(, .7/"?' . " *?'? .<"5+<'2" I(,,"N. " %*' (9(.7/" (% " I<('(%@" /"+%7" I(,,"?'? .% " ?+B. "9(B. "\F]"

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H55.%7(4" Z" *)',(%.&"'?. " 7(&6(5,(%+<2" <.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,.@." 9*,,* I&" (%<.&*B(%@"
+,,.@+'(*%&"'?'+'+"5.<&*%"?'+&"N..%"&)Nb.6'.7"*" 8*%:>('.\$E"Q(&6*%7)6"N2"+"&')7.%'"(%B(*+'(*%"
9"'?. " 0,,.@.A&"

- f H%*B.<B(. I "9"?' . "5<*6.7)<+,"*5'(*%&"+%7"5<*6.&&/"(%6,)7(%@"H7+5'+N,."C.&*,)')(*%"+%7" ; (&6(5,(%+<2"C.&*,)')(*%a"
- f 345,+(% "'?+' "'? ."&')7.% "'? +&"+ "<(@?' "'*"+%"+7B(&*<"*9"?' . (<"6?*(6."7)<(%@" "'? ."5<*6.&&"+%7" 5<*B(7."+" ,(&"*9"0* ,. @. . 15, *2. .&"<+ (% .7"+&"+7B(&*<")5*%<.X) .&'a"
- f >? ."0* ,. @ .A&" +,6*?*, "+%7"7<)"@+1% .&'2"5* ,(62a"
- f >? ."0* ,. @ .A&"5* ,(62"5<*?(N('(%@"<. '+, (+(*%a"

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0*%6)<<. %',2/"?' . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<" I (, "& . , -6"" +""<+ (% .7" (%' .<%+ , "*" .4' .<%+ , "\$%B .&'(@+'*'<"_ \$\%B .&'(@+'*'<"]" "*"6*%7)6"" +<. +&*%+N, ./" (15+<'(+, "+%7"5<* 15"" (%B .&'(@+'(*%*"9"?' . "6* 15, +(% "'_ \$\%B .&'(@+'(*%`]a">? . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<" I (, "& . , -6"" +"" \$\%B .&'(@+'*'<" N+& .7"*%& .B .<+ , "9+6*'<&/"(%6,)7(%@"?' . "5+<'(. &'(%B*, B.7"/?' . "6* 15, .4('2"*9"?' . "6* 15, +(%'/'?' . "% .7" '*"+B*(7" +%2" 5*' .%'+, "6*%9,(6""*9" (%' .<.&'/" +%7" I?'* " 1+2" N.&" 6*%7)6"" +9+<' +%7" .X) ('+N, . (%B .&'(@+'*'<"9*%<"+, "5+<'(. &'(%B*, B.7a">? . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<" I (, "%*(92"?' . "5+<'(. &'(% I (<'(%/"*9"?' . "%+1 . "9"?' . "7.&(@%+ .7"\$%B .&'(@+'*'<+"'"?' . "(1 . "'?' . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<(&&) .&'?' . "%*(6 . "9"(%B .&'(@+'*'<a">? . "5+<'(. &' I (, " ?+B . "'?'<. . "\S]N)&(% .&&"7+2&"*% *Nb.6""*"?' . "\$%B .&'(@+'*'<A&"& . , .6'(*%*"%"?' . "N+&(&"*9"N(+&"*<6*%9,(6""*9" (%' .<.&'a"\$9" . ('? .<"*9"?' . "5+<'(. &' *Nb.6'&'?' . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<" I (, . .B+ ,) + . " I?' . '?' .<'?' . " *Nb.6'(*% (&)N&' +% ('+ .7a">? . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<" I (, "<. 1*B . "+%7"<.5,+6 . "+%2"\$%B .&'(@+'*'<"?' . "0(B, "C(@?'&"D">(' . "\$E" 0**<7(%+*'<9(%7&"*"?' +B . "+%+6') + , "N(+&"*<6*%9,(6""*9" (%' .<.&'"+@+(%&"' . ('? .<"5+<'2a"

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>? . "\$%B .&'(@+'*'<" I (, "6* 1 1 . %6 . ""?' . "%B .&'(@+'*'<"%6 . ""?' . "(1 . "9*<"?' . "5+<'(. &'*"Nb.6""?+&"5+&&.7" *<" +%2"*Nb.6'(*%&"?+B . "N . . %<. &* , B.7a""

8.%\$ 0 1, . @&' 1C%/#F, #31&

>? . "\$%B .&'(@+'*'<" I (, "N . @(% " I ('?'+"G<. , (1 (%+<2"\$%B .&'(@+'*'<" I ('?'+"%"+% '(6(5+ . 7""(1 . , (% . "9"?'<'2" \SR]N)&(% .&&"7+2&"9*%<6* 15, . '(*%a">? . "5)<5*& . "9"+<"G<. , (1 (%+<2"\$%B .&'(@+'*'<" (&"*(7 . %'(92" +%7" @+'?' .<+ , , <. . B+%"9+6'&a ^ . % .<+ , , 2"/?' . "\$%B .&'(@+'*'<" I (, "6*%7)6""?' . "G<. , (1 (%+<2"\$%B .&'(@+'*'<" (% '?' . "9* , * I (%@"*<7 . <V"

<')' &%Q&7)4L&N+/' (866

>? . "\$%B .&'(@+'*'<" I (, "%' .<B(. I "+, "5+<'(. &' +%7"<. , .B+% " I (' .&& .&' +%7"@+'?' .<"7*6) 1 . %'+<2" .B(7 . %6 . " 5<*B(7 .7"N2"?' . "5+<'(. &' +%7"+%2"(7 . %'(9 .7" I (' .&& .&a">? . "\$%B .&'(@+'*'<" I (, "5<.5+<. "+&) 1 1 +<2"*9" . +6?" (%' .<B(. I "_ \$\% ' .<B(. I "J) 1 1 +<2"]a">? . "\$%B .&'(@+'*'<" I (, "&?+<. ""?' . "\$% ' .<B(. I "J) 1 1 +<2" I ('?' '?' . " (%' .<B(. I . . a">? . " (%' .<B(. I . . " I (, " ?+B . "'?'<. . "\S]N)&(% .&&"7+2&" *55*%<')%('2" "*"6*%<.6""*%< 6* 1 1 . %'""*%"+%2"&' . 1 . %'&" 1 +7 . " (%""?' . "\$% ' .<B(. I "J) 1 1 +<2a">? . "7 . +7, (% . " 1+2"N . " .4' . %7.7"9*%< @**7(6+)& . /")5*%<.X) .&'""*?" . "\$%B .&'(@+'*'<a"\$9""?' . "(% ' .<B(. I . . "?+&"*6*%<.6'(*%&"*%&"'?' . "\$% ' .<B(. I "J) 1 1 +<2"/?' . "(% ' .<B(. I . . " I (, "&(@%"+%"+6Y%* I , .7@ . 1 . %'""?+'""?' . "(% ' .<B(. I . . "?+&'<. <.B(. I .7"+%7"+@<. .&"?'+"""?' . "\$% ' .<B(. I "J) 1 1 +<2"(&"66)<+ . a"\$9""?' . "(% ' .<B(. I . . "?+&"6*%<.6'(*%&"*%<6* 1 1 . %'&"*""?' . "\$% ' .<B(. I "J) 1 1 +<2"/?' . "(% ' .<B(. I . . " 1+2"&)N1 ('+" I (<' . %<. &5*%& . " I ('?' (% '?'<. . "7+2&"<.9, .6'(%@" +%2"+77('(*%&"*%<6?+%@ .&' I?(6?)"?' . "(% ' .<B(. I . . "N . , (.B .&' +<. % .6 .&&+<2" '*% .%&)<. ""?' . "+66)<+62"*9""?' . "(% ' .<B(. I . . A&"&' + . 1 . %'a"\$9%*%<. &5*%& . "&"<.6 . (B.7"9<* 1 ""?' . "(% ' .<B(. I . . "N2"?' . "7 . +7, (% . /"?' . (<\$% ' .<B(. I "J) 1 1 +<2" 1+2"N . "(%6,)7.7"(%""?' . "

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\$%B.&'(@+'*<"7.'.<1(%.&""?+""?."G<.,(1(%+<2"\$%B.&'(@+'(*%("&"6*15,.'./'"?."\$%B.&'(@+'*<"I(,,"&)N1("'
'?."\$%B.&'(@+'(*%"C.5*<'"

O.<+<(%@U99(6.< I(,,"6*%7)6'"+"(B."?.+<(%@/"+" I?(6?"?.2 I(,,"5.<1("'%7(<.6'"6<*%&&:.4+1(%+'(*%*9"?'."5+<'(.&"+%7" I('%.&&.&a"L*%<5)<5*%&. &"*9"?'(&"G*(62/"'?'.".'<1"\$%7(<.6'"0<*%&&:34+1(%+'(*%1.+%&"?'."O.<+<(%@U99(6.< I(,,"+,* I"?'."5+<'(.&"+%7g*%<'?.<+7B(&*%&"*%&)"N1("5<*5*%&.7"X).&'(*%&9*%<'?'."5+<'(.&"+%7" I('%.&&.&/"& I.,,"&"9*%,* I:)5"X).&'(*%&"N+&.7"*%%"'.&'(1 *%2"5<*B(7.7"7)<(%@"'?'."?.+<(%@a">?."O.<+<(%@U99(6.< I(,,"+&Y"?'."5+<'(.&"+%7" I('%.&&.&"?'."5<*5*%&.7"X).&'(*%&"?'+"?'?"O.<+<(%@U99(6.<7'.<1(%.&"+<."6*%&&(&'."%" I('?'?'(&"G*(62"+%7"+<."5<*N+(B."*9"9+6'&"<.,.B+%'"'*%'?'."+7b)7(6+'(*%*"9"?'."1+''.<a">?."O.<+<(%@U99(6.<1+2<.9)&."'*"+,*,* I"X).&'(*%&"?'+"'+<.)%7),2?+<+&&(%@"*%<"?'+"&.Y"(%9*%<1+'(*%*"?'+"(&"%*"<.,.B+%")%7.<"?'(&"G*(62a"

>?."O.<+<(%@U99(6.<("&"<.5*%&&(N,. "9*%<1+(%'+(%(%@"+"*%<7.<2/"9+<+<+%"7"<. &5.6'9),"?.<+<(%@"+"7"?'&N<*+7"+)'?*<'2'"*%<. &5*%7'"*%7(&<)5'(B."*%<'?+<+&&(%@"N."?+B(*<&/"%6,)7(%@"+7b*)<(%@"'?'."?.+<(%@"*%<.46,)7(%@"'?'."*99.%7(%@"5.<&*%a"G+<'(.&"1+2"1+Y."<.X).&'&"*%'"?'."0(B("C(@?'&"D">(',"\$E"0**<7(%+'*%<.<.,+.7'"*%?'."9*%<1+'*%<"?'."%+<).<*"9"?'."<5+<(6(5+'(*%("%'?'."?.+<(%@a">?."0(B("C(@?'&"D">(',"\$E"0**<7(%+'*%< I(,," I *%<Y" I('?'?'."O.<+<(%@U99(6.<"*%"+66*11*7+'."<.+&*%+N,."<.X).&'&a"H,,"?.<+<(%@&" I(,,"*66)<"B(+B(7.*6*%9.<.%6(%@a"

>7N+-5%'(86

>?."0(B("C(@?'&"D">(',"\$E"0**<7(%+'*%< I(,,"&6?.7),."+"?.<+<(%@"7+'."+"7"('1."+"7"*%'(92"?'."5+<'(.&"*9"?'."&+1.a">?."O.<+<(%@U99(6.< I(,,"&"<(B."*%?"*%,7"+?'?.<+<(%@" I('?(%"".%\!R]N)&(%.&&"7+2&9<*1"<.6.(5'"*9"?'."\$%B.&'(@+'(*%C.5*%<"+%7"?'."5+<'(.&"A"<. &5*%&. &/"9"+%2a"

./+4@+&/'(86R++)'(86

G<(*%<"*%?"?."?.+<(%@/"*%</"+"?"?."+'.&'/"*%?"?."7+2*%9"?'?."?.+<(%@"'?'."O.<+<(%@U99(6.<"*%<+"7.&(@%+'.'7"O.<+<(%@"0**<7(%+'*%< I(,,"6*%7)6'"+"5<.:?.<+<(%@"1..('@" I('?'?'."5+<'(.&"5<(*%<"*%6*11.%6(%@"'?'."?.+<(%@a"H"?'(&"5<.:?.<+<(%@"1..('@"/.+6?"5+<'2" I(,,"<.6.(B."+"%.45,+%+<'(*%*"9"?'?."?.+<(%@"5<*6.&&"+%7"?'+B."?'."*55*%<'(%('2'"*%&Y"+%2"X).&'(*%&a"\$9"?'."6*15,+(%+%"+"%7g*%<.&5*%7.%'"?'+B.".,.6'.7'"*%?'+B."+7B(&*%<&"?'<*)@?'?)"'?'?."?.+<(%@"5<*6.&&/"'?'."+7B(&*%<(&"%.6*%)<+@.7'"*%"+66*15+%2"?'."6*15,+(%+%"g<. &5*%7.%'"*%?"?(&"1..('@"a"

2')(+,.,.6

≠(7")452.5+(6)0.2(+)&5*%7(%%')0.2*%?"492+<(%@U99(6.<6+,7+B,2*%?(5<6)0.2(+)&5*%7(%%')0.2N?*)"" + c ('%.&&.&"1)&"?'?+B."*N<.B.7"?'."6*%7)6'"(% c mBT <. *%("<)31(2+)0.2(B.)0.2(")31(()0.2(9*%<1)0.2(+).0.

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H55.%7(4" 0"*),(%.&"'?. "7(&6(5,(%+<2"<.&*,)')(*%" 5<*6.7)<.&"'?. " 0*,,.@."9*,* I&"(%<.&*B(%@" +
@<(.B+%6. "'?+'+"5.<&*%"?+&"N. .%"&)Nb.6'.7"'*"8*%:>('.. "\$E"Q(&6*%7)6'"N2"+%"+7 1 (%(&'<+'*</'&'+99"
1 . 1N.</'*<"9+6), '2" 1 . 1N.<("B(*,+('(*%"*9"'?. " 0*,,.@.A&" J.4)+, "+%7"\$%'.<5.<&*%+, " Q(&6*%7)6'"
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>?. " 0(B("C(@?'&"D">(',\$E" 0**<7(%+'*<A&" I<(''.%%"*'(9(6+'(*%"*"'?. "<.&5*%7.%" I(, '&'+'. "9+6'&"
&)99(6(.%"*"+55<(&."?'<.&5*%7.%'"*9"'?. "%+')<."*9"'?. "+,,.@+'(*%&/'(%6,)7(%@"&5.6(9(6+,2V"

f >?. "6* 15,+(%+% 'A&"%+ 1 .i"

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f J5.6(9(6"5*,(62"B(*,+('(*%&"+,,@.7"\.a@a/'&.4)+, "+&&+), '/'<+6(+, '?+<+&& 1 .% '/'<.'+,('(*%]i"

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>?. "0(B("C@?'&"D">(',\$E"0**<7(%+'*<" I(,,"5<*B(7."?'."6* 15,+(%+% "'+%7"'?'."<.&5*%7.% "' I('?"
%*'('6."*9"+%2"7.,+2&"+%7"@B."?'."1 "+"%." I"'(1.'+N,."9*<"6* 15,.(%"*9"'?'."(%B.&'(@+'(*%a"
"
>?. "(%B.&'(@+'(*%" I(,,"(%6,)7."+"(%'."<B(. I \&]" I('?'?'."6* 15,+(%+%/'"?'."<.&5*%7.% "'+%7g*<"+%2"

9<* 1 " '?. " \$%B.&'(@+'*%a" U%6." '?. " \$%B.&'(@+'*<" (& &+'(&9(.7" '?+' " '?. " <.5*<" (& 6* 15,. ' /" '?. " \$%B.&'(@+'*<" I(,,"&)N 1 ('"?'<.5*<"*"'?'." 0(B,"C(@?'&"D">(',"\$E"0**<7(%+'*<a">?. "0(B,"C(@?'&"D">(',"\$E" 0**<7(%+'*<" I(,,"<.B(I " '?. " <.5*<" +%7" +&&.&& I ?.'?'<" '?. " <.5*<" 7. 1 *%&'<+' .&/" N2" + 5<.5*%7.<+%6. " *9"?'." .B(7.%6. /" ' ?+' V" \!]"?'." .B(7.%6. "&)55*<'&"?'." \$%B.&'(@+'*<A&"9+6')+, "9(%7(%@&i" +%7" \#]" '?. " \$%B.&'(@+'*<A&" 9+6')+, " 9(%7(%@&" &)55*<" '?. " \$%B.&'(@+'*<A&"), '(1+' . " 9(%7(%@ " *9" <. &5*%&(N,('2"*<"%*% :<. &5*%&(N,('2a"

>?. " 0(B,"C(@?'&" D">(',"\$E" 0**<7(%+'*<" 1+2" <.X)(<. " '?+' " '?. " \$%B.&'(@+'*<" 6*%7)6'" +77('(*%+, " (%B.&'(@+'*%/" 6*%&(&' .%)" I('?' '?. " 5<*6.7) <. &*)" , (%. 7" +N*B. a" U%6. " '?. " 0(B,"C(@?'&" D">(',"\$E" 0**<7(%+'*<" ?+&" 6*%9(<1 .7" '?+' " '?. " L(%+, " C.5*<" (& 6* 15,. ' /" '?. " 0(B," C(@?'&" D" >('," \$E" 0**<7(%+'*<" I(,,"5<*B(7. "+"6*52"*9"?'." L(%+, "C.5*<"*"'?'." 5+<'(.&"(%+"&.6)<. " 1+%%. <a"

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c ?.<. " '?. " \$%B.&'(@+'*<" 6*%6,)7.&" '?+' " +B(*,+'(*% " *9" '?(&" G*,(62" ?+&" *66)<<.7/" '?. " +55<*5<(+'. "

f G+<(6(5+% '&' (% " +7+5'+N, . " <.&*,)')(*% " 5<*6.&&.&" 1)&' " N." 5<*'.6'.7" 9<*1" &.6*%7+<2" B(6'(1(d+'(*% " +%7" *'?.<" 5*'.%'(+, " ?+<1&' (" (%6,)7(%@" '?." 5<.&&)<." '*" 5<*6..7" '?<*)@?' +7+5'+N, . "<.&*,)')(*% "(%&' .+7"*9*9* <1 +, "<.&*,)')(*%a"

I7, <#, : \$%& ; %/3\$+##31&A<#31/&

>?. "+7+5'+N, . "<.&*,)')(*% "5'(*%&' I(, " N." .%+N, . 7"N2"+<+(% .7"6**<7(%+'*<a">?. "+7+5'+N, . "<.&*,)')(*% " 6**<7(%+'*<" 1)&' "N." (1 5+<'(+, "+%7"9<. . "9<* 1 "N(+&'*<"6*%9,(6""9"(%' .<.&'a"\$9""?." +7+5'+N, . "<.&*,)')(*% " 6**<7(%+'*<" ?+&' 6*%6.<%&' '?+' " ?." 2" 6+%%"* " 9+6,(+'+' . "+' 9+<'<'<')%N(+&.7" 5<*6.&&/" '?." +7+5'+N, . "<.&*,)')(*% "6**<7(%+'*<" 1)&' "<.5* <'?'*&. "6*%6.<%&' '*"'?." 0(B, "C(@?'&"D">(', . "\$E"0**<7(%+'*<"+%7" + " 7(99.<.% " +7+5'+N, . "<.&*,)')(*% " 6**<7(%+'*<" I(, " N." +&&(@% .7a" J(1(+<,2/" + " 6* 15,+(%+% '/' + "<.&5*%7.% '/' *<"+%2" *'?.<" 5+<'(6(5+% " I ?* " ?+&' 6*%6.<%&' '?+' " ?." +&&(@% .7" +7+5'+N, . "<.&*,)')(*% " 6**<7(%+'*<" 6+%%"* " .%+N, . "+' 9+<'<"+%7")%N(+&.7" 5<*6.&&/" 1+2" <.5* <'?'*&. "6*%6.<%&' '*"'?." 0(B, " C(@?'&"D">(', . "\$E"0**<7(%+'*<" I ?* " I(, "+&&.&&' "?." 6<6) 1&'+%6.&"+%7"7' . <1 (% . " I ? . '? .<"+7(99.<.% " +7+5'+N, . "<.&*,)')(*% "6**<7(%+'*<*&?*) ,7"N." +&&(@% .7""*"'?." +7+5'+N, . "<.&*,)')(*% "5<*6.&&a"

\$9"+5+<'2"<.X) .&'&' "?." (% ('+'(*% "9"+%"+7+5'+N, . "<.&*,)')(*% "5<*6.&&"+%7""?." 0(B, "C(@?'&"D">(', . "\$E"0**<7(%+'*<"+@<. &' "?+' " ?." 1+' ' .<'("&"+55<*5<(+'. "9* <"+7+5'+N, . "<.&*,)')(*% " / . +6?"5+<'2" I(, "<.6.(B. "+' I<' ' .% "%* '(6. " ?+" 7(&6, * & .&V"

- f >?. "+, . @+'(*%&i"
- f >?. "<.X)<. 1 .%'&'*9""?." +7+5'+N, . "<.&*,)')(*% "5<*6.&&/"(%6,)7(%@"' "?." 6<6) 1&'+%6.&)"%7.<" I?(6?" ("5<.6,)7.&' "?." 5+<'(.&"9<* 1 "<.&) 1 (%@"'+9* <1 +, "6* 15,+(% " +<(&@"9<* 1 ""' "?." &+ 1 . "+, . @+'(*%&i"
- f >?. "5+<'(.&A"<(@?' ""* " I ('?7<+ I "9<* 1 "+7+5'+N, . "<.&*,)')(*% "+%7"<.&) 1 ."*<'(% ('+' .7(&6(5,(%+<2" <.&*,)')(*% " I ('?'<.&5.6""*"'?." 9* <1 +, "6* 15,+(% 'i"+%7"
- f \$%9* <1 +'(*% "+N*) " 1 +(%' .%+%6. "9* <.6* <7&"*<"? * I "<.6* <7&"6*),7"N." &?+<.7a"

c ('?"+55<*B+, "9<* 1 ""' "?." 0(B, "C(@?'&"D">(', . "\$E"0**<7(%+'*<"/"+9' .<"6*%&), '+(*% "+%7"(%'+Y." I ('?""?." +7+5'+N, . "<.&*,)')(*% "6**<7(%+'*</" ?." 6* 15,+(%+% " "+%7""?." <.&5*%7.% "" 1+2"B*,) %'+<(,2"+@<. . "% ""' "?." 5<*6.&&' "?+" N.&' 1 . . '&' "?." (%' .<.&'&"+%7" . . 7&"*9""?." 5+<'(.&a" H7+5'+N, . "<.&*,)')(*% " 1+2"(%6,)7. "% . "*<' 1 *<. "9""?." 9* , * I (%@"<.&' *<+'(B. "+55<*+6? .&V"

Q&7%'&)+-6 F'&' "85+P" H" &'<6')<.7" +%7" 9+6,(+'+' .7" 6*%B.< &+'(*% " N.' I . .% ' I * " *<" 1 *<. (%7(B(7)+, &' 1 * & ""9' .% ""?." 6* 15,+(%+% '/' ""?." <.&5*%7.% '/' +%7g* <"*?' .<"6* 1 1) % (0.2(&)+%7

% .6.&&+<2" '*9+6(,'+'.'?'<.&*,)'(*%/'?'." 0*,,.@." 1+2"N."<.X)(<.7" '*5<*7)6."<.6*7&" 6<+'.7" 7)<(%@"'?'(&"5<*6.&&"(%<.&5*%&." '*"+'b)7(6(+,&)N5* .%+"*("<+"L3CGH".7)6+'(*%+,"<.6*7"<.X) .&'a"\$9" +7+5'+N,."<.&*,)'(*% ("&"*55.7" 5<(*<" '*6* 15,.'(*%/'&'+' . 1.%&" 1+7." N2" +5+<'2" (%"+7+5'+N,." <.&*,)'(*% 1+2"%*"N.")&.7"(%"+7(&6(5,(%+<2"<.&*,)'(*%5<*6.&&"<.,+'.7"***'+ "1+''.<a"

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