```
" #$%&'(!) '#*'+,!-%./.!
0*1'+#2!/'&*!34!5&$6(17!
839&!: *#; '+<#17!34!= 2 '+#$&!
>!: *#; '+<#17! / +#; '!
=(\#<3!?\#'@3,!A=!!BCDED!
FGH!5&$6(17!=I06I#$&1#3*!A322#11''!F';#'J!34!-+34'<<3+!=*'#(!F&((#*!
 / '&+! / +.! ) '#*'+,!
K%'!5&$6(17!=I\(\)6I\(\)$\&\\)13!\A3 2 2\(\)11''!2'\!\J\(\)18\\\\/\+!\=*'\(\)(\(\)*!3*!\K6'\<\X7,\)\L!''\\\\?1\(\)2\(\)13!
I#<$6<<! J #1%!%# 2 !1% '!&(('N&1#3*<!<'1!43+1%!#*!736+!('11'+!13!%# 2 !34!>!=0+#(!CMCC.!!-+'<'*1!&!!1%#<!
2 ' ' | #*N! J ' + ' ! / +<.!= * 1%3*7! " &P ' +3((!&* I !0&7!R ' 44+3*,! / +.!= * ' #(!F&((#*,!&* I! / +.!S +#<1#! ) #(<3*!
TJ%3<'!+3('!J&<!&<!&*!3U<'+; '+V.!
=41'+!+'&I#*N!&((!1%'!2&1'+#&(<!0+3;#I'I!U7!1%'!/'&*!34!5&$6(17!&*I!/+.!F&((#*,!1%'!$3 2 2 #11''!#<!
1%'+'!&+'!*3!N+36*I<!43+!I#<2#<<&(.!!=(1%36N%!#*!!%'!30'*#*N!<1&1'2'*1<!34!!%'!2''1#*N,!U31%!
322 = 11'' \cdot 12' \cdot 2U' + <! < 12' \cdot 11' \cdot 12' \cdot 2U' + <! < 12' \cdot 12' \cdot
[ME.M[!A3*1'*]<!\\!=+1#$('<\!\&*I!736]+'!736+!3+#N#*&(!*31#$'!34!&(('N&1#3*<!13!F&((#*!3*!=0+#(!
> Z 1%&*!3*!&((!1%'!+'$'*1!$3*1'<1&1#3*<!U7!<16I'*1<,!4&$6(17,!&*I!F&((#*!%#2<'(4!T#*!&!('11'+!13!36+!
A3 2 2#11''V,!!#!! J &<!+'$3 2 2'*I'I!13!1%'!A%&#+,!0+#3+!13!36+! 2''1#*N! J#1%!F&((#*!3*!" &7!>L ,!!
1%&1!U&<' I:13*!1%'!(&11'+! J '!I#<$36*1!&*7!#*1'*1#3*!34!+'$3 2 2 '*I#*N!%#<!I#<2#<<&(.!K%#<! J '!I#I,!&<!
0'+!1%'!2#*61'<!34!1%'!2''1#*N!0+'0&+'I!U7!A(&+''!^3+'*P3,!U'N#**#*N!J#1%!1%'!A%&#+]<!<1&1'2'*1!
TJ+#11'*!U7!1%'!<'$3*I!$3 2 2#11''!2 ' 2U'+V!1%&!! J'!I3!*31!J&*1!&*71%#*N!13!I3!J#1%!736+!
I#<2#<<&(^!&*I!1%&!!34!1%'!<'$3*I!$322#11''!2'2U'+!)'!%&;'!*3!#*1'*1#3*!34!+'$322'*I#*N!
736+! I # < 2 # < < &(,`!+'4'+'*$#*N!1%'!<16I'*1!1'<1#23*#&(<!Tal!!>BV.!!
R&; #*N!+'&I!$&+'46((7!*3 J!1%+36N%!&((!1%'!3+#N#*&(!13$62'*1< Z4#+<1!&*I!43+'23<1!<16I'*1!
$3 2 O(&#*1<,!$36+<'!+'&I#*N<,!&*I!!%'!/'&*]<!('11'+!34!*31#$'Z!!%'!3*'!2'2U'+!U'(#';'<!#1! J &<!&!
0+3$'16+&(!2#<1&9',!I+&J#*N!0+#2&+#(7!3*!&((!1%'!<1+3*N,!#4!+%'13+#$&(!$36*1'+&+N62'*1<.!13!
I'$(&+'!J#1%!1%#<!2''1#*N!&*!'*I!13!!%'!=I06I#$&!#3*!A322#11''!+';#'J!0+3$'<<.!K%#<!J&<!&!
2 #<1&9 ' !43+! J %#$%!!% ' 7!&03(3N#P ' .!
b4!!%'!$36+<'!$3*1'*1<,!2&*7!34!J%#$%!!%'7];'!U''*!+'$'*1(7!U+3J<#*N!!%+36N%,!23<!!I#<16+U#*N!
43+!!%'2!T&!+'c6#+'I!+'&I#*NV!J&<!0&++&+d<!eK&9#*N!!%'!S*#4',!b*!^#*9!#*!f6''+!80&$'<.e!=!(&+N'!
N+#';&*$'!&N&#*<1!#1,!#*$(61#*N!1%'!I'*#&(!34!&*7!<3g$&(('I!1+#NN'+!J&+*#*N<!U7!-+34'<<3+!F&((#*,!
```

```
0&+'*1<! J %'*!1%'7! J '+'!736*N,!&*I!<6NN'<1<!1%&1!h9#*9]!#<!&! J &7!34!%'&(#*N!$%#(I%33I!1+&62&!
I6+#*N! J %#$%!3*$'!$&*!0(&7g&<!#4!&!$%#(Ig J %#('!%&; #*N!<'Y! J #1%!1%'!3U@'$1<!1%&1! J '+'!6<'I!13!
1%+'&1'*!1%'2.!K3!2'.!1%#<!#<\&*!#*$+'I#U(7!I#<\6+U#*N!T*31!13!2'*1#3*!:&N6'(7!0'I30%#(#$V!
2 '<<&N'!|3!43+$'!<16I'*|<!|3!+'&I,!&*I!36+!3*(7!$(&<<!I#<$6<<#3*!3*!#1! J &<!!3!<6NN'<!!1%&!!<'Y!&*I!
<'Y6&(!I';#&*$7!$&*!U'!&*!'Y$#1#*N!*'J!J&7!13!6*I'+<1&*I!36+!U3I#'<.`!
= *I! < #2 #(\& +(7,!1 \% # < !4 + 32!816I'*1!A320(\& # *1!i!!!)
e) %#('!2&*7!<16I'*1<!4''(!&<!1%36N%!1%'<'!$36+<'<!N#;'!;3#$'!13!1%'#+!'Y0'+#'*$'!&<!0'30('!34!
$3(3+!3+!1%3<'!#*1'+'<1'I!#*!0+323!#*N!; &+#36<!$&6<'<.!2 &*7!31%'+!<16I'*1<.!#*$(6I#*N!<16I'*1<!34!
$3(3+,!c6''+!<16I'*1<,!&*I!<16I'*1<! J %3!%&; '!(#; 'I!|+&62&,!2&+N#*&(#P&!#3*,!&*I!I#<$+#2#*&!#3*,!
4''(!<#('*$'I!3+!<%6**'I!#4!1%'7!'Y0+'<<!1%'#+!I#<&N+''2'*1.!816I'*1<!&+'!&4+&#I!13!&<9!c6'<|#3*<!
3+!$3*1+#U61'!13!$(&<<+332!I#<$6<<#3*<.e!
K%#<!0+34'<<3+!4#*I<!-+34'<<3+!F&((#*!N6#(17!34!<';'+&(!34!1%'!$&6<'<!43+!4&$6(17!1#<2#<<&(.!4#+<1!
&*I!43+' 2 3<1,! EV!&$1#3*<!&*I!U'%&;#3+!1%&1!'Y%#U#1!2 3+&(!16+0#16I'!3+!N+3<<!#*I#44'+'*$'!13!1%'!
J'((gU'#*N!34!31%'+<.`!
=1!1\%'!!''\#\$\&'()''*+,--.!TOO.![giV!3*'!+'\&I<,!\_8:=!<1+\#;'<!13!\$+'\&1'!\&*I!2\&\#*!\&\#*!\&\#\%62\&*\#<1\#\$!
' 16$&1#3*&(!'*;#+3*2'*1!N6#I'I!U7!'1%#$&(!$3*<#I'+&1#3*<!1%&1!<'+; '!13!0+3231'!1%'!46((!N+3J1%!
*!!I';'(302'*1!34!&((!2'2U'+<!34!#!<!$3226*#17.!0*!!%'!46(4#((2'*1!34!!%'#+!+'<03*<#U#(#1#'<,!!%'!
2 &**'+!#*! J %#$%!4&$6(17!2 ' 2U'+<!$3*I6$!!!%' 2 <'(; ' < Z 13 J &+I!<16I '*1<.!31%'+! 2 ' 2U'+<!34!!%'!
4&$6(17.!1%'!: *#: '+<#17!&*I!1%'!J#I'+!$3 2 2 6*#17 Z <%36(I!+'4('$1!1%'#+!3U<'+:&*$'!34!1%'!
43((3 J #*N!'1%#$&(!O+#*$#O('<.`!: * I '+!K' &$%#*N!&* I!^' &+*#*N,!1%'<'!#*$(6 I '! -+34'<<3+<!
I'23*<|+&|'!+'<0'$|!43+!<|6I'*|<!&<|#*I#;#I6&(<!&*I!&I%'+'!13!!%'#+!0+30'+!+3('<!&<!#*I'(('$16&(!
N6#I'<!&*I!$36*<'(3+<`!&*I! K%'7!&;3#I!&*7!'Y0(3#1&1#3*,!%&+&<<2'*1,!3+!I#<$+#2#*&13+7!
1+'&12'*1!34!<16I'*1<.`!X&<'I!3*!<16I'*1<]!$320(&#*1<!&*I!1%'!9#*I!&*I!I'N+''!34!%#<!G/:!
EM[) +#1#*N![ME!$36+<'!+'&I#*N<.!-+34'<<3+!F&((#*!#<!#*!;#3(&1#3*!34!1%'<'!-+#*$#0('<!34!5&$6(17!
A3*I6$1!&*I!#<!1%6<!'(#N#U('!43+!4&$6(17!I#<2#<<&(.!
5#*&((7,!&!!!%'!!"#$%&'()"*+, --.!6*I'+!-3(#$7!3*!K'&$%#*N!G44'$1#; '*'<<!TOO.!C>gCCV!#1!+'&I<!
J %&1'; '+!0'+<3*&(!U'(#'4<!&!4&$6(17!2'2U'+!%3(I<!3+!'Y0+'<<'<!J#((!*31!#20#*N'!*'N&!#;'(7!3*!
1%'!$(&<+332!'*;#+3*2'*1!3+!1%'!U&<#$!('&+*#*N!O+3$'<<.`!b*'!34!1%'!$3223*!<16I'*1!
$3 2 O(&#*|<|#*|'|#*1'+46<#3*!34!-+34'<<3+!F&((#*]<!0'+<3*&(!;&(6'<!&*I!U'(#'4<!J#1%!%#<!:*#;'+<#17!
$36+<'!#*<|+6$|#3*.!=<!3*'!<|6I'*1!%&<!$320(&#*'I,!0*!$(&<<!I#<$6<<#3*!&U361!!%'!6<'('<<*'<<!34!
I#&(3N6'.!!%'!0+34'<<3+!0+303<'I!!%'!c6'<1#3*.!h) %&!!+#N%!<!%&:'!U''*!J3*!U7!I#&(3N6'i]!
# 2 O(7#*N!1%1!1%' !3*(7! J &7!13!$+'&1'!<3$#&(!$%&*N'!#<!1%+36N%!;#3('*1!+';3(61#3*,! J %#$%!I#+'$1(7!
3003<'<!!%''!6*#; '+<#176! 2 #<<#3*.!K%#<!%30'('<<.!0'<<#2 #<1#$!;#' J !34!<3$#' 17 Z 1%&!! J '!$&**31!13!
&*71%#*N!13!$%&*N'!I#44#$6(1!$#+$62<1&*$'<Z'*$36+&N'<!+#N%1'36<!;#$1#2#P&1#3*!43+!<16I'*!<!J%3!
#I'*1#47!J#1%!U'#*N"300+'<<'I!&*I!<%&2'<!<16I'*1<!J%3!&+'!0'+$'#;'I!13!U'!h300+'<<3+<7!U'$&6<'!
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34!1%'!%#<13+#\$&(!&\$1#3\*<!34!1%'#+!'1%\*#\$g