! '#\$% & % ' ! %\$\$

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2!.$&-)4!C=8C!

3*/&.#.!'%/45'H!

• F.0% (-;!1&'!

2!C==DRC==`!
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3*/&.#.!'%/45'H!

- $a\%07! < \#A \#N\%0! \ 1 \&'!V + */\&'5!' 5 \& */45! \ (-AR'b\#0 + '5!;\#)'/\& \#.W!$
- Z%'#&! < #A-#N%0! 1 &'!V (-AR'b#0+'5!'5&*/45!+-+'##) '5!;#)'/&-#.W!
- F.0% (-:!1&'!
- 1);-#)'!1&'!!
- 1&'!*+!1+&-;%2!'5#!1 (#&-;%.2!%)A!'5#!9*/'5!B%;-+-;!
- 1.-%)!1&'!!!
- 1 &'! 6-. '*&7!9/&N#7!F!!

2!8QQ[RC===!

3*/&.#.!'%/45'H!

!

B/M0-.5#A!

!

- F (%4#.!*+! 1 0#0%) A#&!'5#!P&#%'!V+*&! " &@! " %N-A! < -''#)2!1 &'!6-.'*&7\!
- a /&*\$#%)!3 /0'/&#!-)!'5#!Z%'-)! < -AA0#! 1 4#.!V+*&! " &@!L%)!c-*0X*b.X-2!3* (\$%&%'-N#! Z-'#&%'/&#W!

!

• 1 &'!%) A!, -./%0!3/0'/&#!V+*&! " &@!F&#)#!:-)'#&!%) A! " &@!L*.#\$5!T*#&)#&2! 1 &'!6-.'*&7W!

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!

F)!$&*4&#..!

3*R#A-'*&!b-'5! < %''5#b! < !J##N#!%)A!;*)'&-M/'-)4!%/'5*&@!/.O+1$'.,2$&3%+$3+24.+52("6+&7+8."$.#*-!'2+$3+9'$2*$3:+F)!$&#$%&%'-*)!+*&!6%&N#7! < -00#&@!
!

d)A#&!&#N-.-*)!

9-)40#R%/'5*&!M**X@!!;3<-$%4+9&"$.%-+>)?&'2."+5$-@%A+>%-*)$,+*3"+96B*32$3.+C.D2$-.%+$3+E&24$,+;3<-*3"@!!3/&&#)'07!/)A#&!&#N-.-*)!+*&!3*&)#00!d)-N#&.-'7!B&#..!+*&!'5#!<#A-#N%0!9*;-#'-#.2!
J#0-4-*).2!%)A!3/0'/&#.!9#&-#.@!
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"#\$%&'(!*!

3%'%0*4/#!*+!-)N-'#A!#...%7.!'*!%;;* (\$%)7!#05-M-'-*)!%'!'5#!3%)'*&!P%00#&7!*+!1&'2!
3*00#4#!*+!'5#!6*07!3&*...2!L%)R1\$&-0!C=CD0!!3*)'&-M/'*&.!-);0/A#!<-;5%#0!:**A!V]UaW2!

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"#\$%&'(!+!

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!
E: 5#)!-.!%!9'*&7!)*'!%!9'*&7m!!9#; /0%&! f %&&%'-N#!F ( %4#&7!*)!'5#! 105% ( M&%!3#-0-)4.!%)A!'5#!!
35-N%0&-;!] &A#&!*+!'5#!U%)A%6K!F)N-'#A!;*)'&-M/'-*)!'*!%)!#A-'#A!N*0/ ( #!#)'-'0#A!
O'.) &".'3+P*G-.%+*3"+24.$'+!("$.3,.2!#A-'#A!M7! f #4/-)!n %N%&-2!-)!'5#!FZao!G*/)A%'-*)!
.#&-#.!A-.'&-M/'#A!M7!6%&N%&A!d)-N#&.-'7!B&#..@!!'2$,-.=+(3".'+'.#$.O:!
!
EJ*(%)!%)A!F ( $#&-%0H! I #O'-0#.2! " &#..2!%)A! J*(%)-'%.!-)! I5-&'##)'5R3#)'/&7!U&-'%-)@K!G*&!%!
.$#;-%0!-../#!*+!52("$.%+$3+I*2.+!32$Q($26@!!'2$,-.N+(3".'+'.#$.O:!
!
E9##-)4!%)A!d)A#&.'%)A-)4H!,-./%0-Y-)4!'5#!G&%4(#)'#A!35#&'.#7! I-0#.!-)!9'$3<$3<+24.+H&-6+
I*3"+H&).:R+F)N-'#A!;*)'&-M/'-*)!'*! I$<$2*-+8. "$.#*-+52("$.%SF'(%*".'%+3"+F&)?(2.'%2!#A@!f%'.5%!6*A4.*)2!9#%)!P-0.A*&+2!%)A!Z%/&%!<*&&#%0#2! I J 3!6/(%)-'-#.!
B&#..2!+*&'5;*(-)4!C=C>@!!'2$,-.N+$3+?'.?*'*2$&3:+
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V;*)'#($*&%&7!'#O'-0#!%&'W2!;/&%'#A!M7!Z#.0-#!9;5*($!%)A!3%)A-;#!9(-'5!3*&M70!!]9B!
3%'%0*4.2!C=8C@!!!
!

E35&-.'S.!P*0A#)!,*-;#H!I5#!:%00R$%-)'-)4.!*+!'5#!B%0%-.!A#.!B%$#.2!1N-4)*)@K!!U&'"+M+>)*<.2!!
N*0@!Ch2!)*@!D2!C=88H!DD^RD^>@!!!
!

E15#!B-04&-(2!'5#!F(%4#2!%)A!'5#!:*&A!-)!F.0%(@K!!F)!O$-<'$)*<..+*3"+P*$24A+9(""4$%)=++
F4'$%2$*3$26=+*3"+>%-*)2!#O5-M-'-*)!;%'%0*4/#2!#A@!,-&4-)-%!J%4/-)!#'!%0@!!9#&-)A-%!B&#..2!
C=8=H!D=[R8\@+
!
E3&*..R3/0'/&%0!9'70#!-)!'5#!105%(M&%H!I#O'-0#.2!FA#)'-'72!%)A!]&-4-).@K!!8."$.#*-+;3,&(32.'%2!
N*0@!8^2!)*@!CRD2!C==[H!D^8RD>h@!
!
E1b*!U**X.!*+!6*/&.
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"#\$%&'(!/!

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I5#!B%/0!<#00*)!3#)'&#!+*&!9'/A-#.!-)!U&-'-.5!1&'2!J#.#%&;5!9/$$*&'!P&%)'@!C===R=8!
G*&!&#.#%&;5!*)!'5#!35#&'.#7!'-0#.@!
       !
< #00*)!G#00*b!-)!6/(%)-.'-;!9'/A-#.2!: **A&*b!:-0.*)!G*/)A%'-*)@!8QQ>RQh!
G/00! . : 5*0\% \& . 5-\$!\%) A! . '-\$\#) A! + *\&! + -\& . '!7#% \&!* + !4 \& \% A/\%' #! . '/A7 @!
B5-!U#'%!T%$$%2!1 (5#&.'!3*00#4#@!!800`!
f %'-*) %0! < #&-'!9:5*0%&@!!800C!
B&#.-A#)'-%0!9;5*0%&!G-)%0-.'@!!8QQC!
!
F!5%N#!$0%7#A!%!0#%A-)4!&*0#!-)!b&-'-)4!%)A!#A-'-)4!%$$0-:%'-*).!+&*(!'5#!3*00#4#!*+!'5#!6*07!
3&*..!'*!%!N%&-#'7!*+!)%'-*)%0!%)A!-)'#&)%'-*)%0!4&%)'!*&4%)-Y%'-*).!+*&!0*%).!%)A!$&*4&%((-)4!
%..*;-%'#A!b-'5!'5#!/$;*(-)4!3&/.%A#.!#O5-M-'-*)@!!10*)4!b-'5!<#&#A-'5!G0/X#!V"-&#;'*&2!3%)'*&!
P%00#&7W!%)A!6#%'5#&!T/&'Y!V"-&#;'*&2!G*/)A%'-*)!%)A!3*&$*&%'#!J#0%'-*).W2!b#!5%N#!
./::#..+/007!%$$0-#A!'*!'5#!+*00*b-)4!+*/)A%'-*).H!
f %'-*)%0!a) A*b (#)'!+*&!'5#!6/(%)-'-#.@11b%&A#A!t8==2===@!!B&-);-$%0!F)N#.'-4%'*&H!!
        1 (%) A%!Z/7.'#&@!!C=CC!
P0%A7.!T&-#M0#! "#0 ( %.!G*/)A%'-*)@!!1 b %&A#A!t8=2===@!!C=CC!
< %&7!L%5%&-.!3#) '#&@! 1 b %&A#A! t 8=2===@!C=CC!
9% ( /#0!6@!T&#..!G*/)A%'-*)@!!1 b%&A#A!t^2[==@!!C=C8!
!
U%';5#0*&!G*&A!9/((#&!G#00*b.5-$2!3*00#4#!*+!'5#!6*07!3&*..2!+*&!M**X!$&*e#;'!;3<-$%4+9&''$.%-+
>) ?&'2. "+5$-@%4+>%-*) $,+*3"+96B*32$3.+C.D2$-.%+$3+E&24$,+;3<-*3"@!9/((#&!C=C^@!
3*00#4#!*+!'5#!6*07!3&*..!3*((-''##!*)!G%;/0'7!9;5*0%&.5-$!J#.#%&;5!1b%&A2!+*&!&#.#%&;5!
'&%N#0!+*&!M**X2!:3<-$%4+9&"$.%=+>) ?&'2."+5$-@%4+C4.+>) ?*.2+&7+>%-*)$.+*3"+96B*32$3.+C.D2$-.%+$3+
E&24$,+:3<-*3"0!9/((#&!C=CD0!
3*00#4#!*+!'5#!6*07!3&*..!3*((-''##!*)!G%;/0'7!9;5*0%&.5-$!B/M0-;%'-*)!1b%&A2!+*&!;*.'!*+!
- ( %4#.!%) A!$#& ( -..-*) .!+*&!M**X!b-'5!3% ( M&-A4#@!!G%00!C=CC@!
U'':5\#0*\&!G*\&A!9/((\#\&!G\#00*b.5-\$2!3*00\#4\#!*+!'5\#!6*07!3\&*..2!+*\&!;/\&''-)4!\%)!\#05-M-'-*)!
9'$3<$3<+24.+H&-6+I*3"+H&).=+C4.+F'(%*".%=+F4.'2%.6+!GG.6=+*3"+24.+J.,&3%2'(,2$&3+&7+*+
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•	::

"#\$%&'(!)2!

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3*/\&.#!"#N#0*$(#)'!G%;/0'7!G#00*b.5-$2!9/((#&!C=800!)
1 b%&A#A!+*&!A#N#0*$ (#)'!*+!)#b!;*/&.#2!E1&'.!*+!1.-%H!I#($0#.!%)A!9-0X&K!
G\%; (0'7!" #N#0*\$ (#)'!P\&\%)'2!6*07!3&*..!3#)'#&!+*&!I#%;5-)42!9$&-)4!C=8`@!
1 b%&A#A!+*&!;&#%'-*)!*+!)#b!;*((/)-'7RM%.#A!0#%&)-)4!$&*e#;'!b-'5!J1:!\VJ#+/4##!1&'-.%).!*+!
: *&;#.'#&W!+*&!F)'&*!;0%..0!
G\%; (0'7!" #N#0*\$ (#)'!P\&\%)'2!6*07!3\&*..!3#)'#&!+*&!I#%;5-)42!9$&-)4!C=8^@!
1 b%&A#A!+*&!$0%)!'*!&#N-.#!;0%..!E1&'!*+!1+&-;%!%)A!1 (#&-;%.K!-)'*! (*&#!$&*e#; 'RM%.#A2!%; '-N#!
0#%&)-)4!#)N-&*) (#)'@!
<%&.5%00!P&%)'2!"*)#0%)!*++-;#!%'!6*07!3&*..2!G%00!C=8D@!
1 b%&A#A!+*&!%&'!./$$0-#.!%)A!&#;#$'-*)!+*&!;*((/)-'7RM%.#A!0#%&)-)4!$&*e#;'!-)!F)'&*!;0%..0!
G\%; (0'7! " #N#0*\$ (#) "!P\&\%) '2!6*07!3&*..!3#) '#&!+*&! I #%; 5-)42!9$&-)4!C=8D@!
1 b%&A#A!+*&!$0%)!'*!A#N#0*$!%)A!#O$%)A!;*((/)-'7RM%.#A!0#%&)-)4!$&*e#;'2!-);0/A-)4!N-&'/%0!
'*/&!*+!'5#!: *&;#.'#&!1&'!</.#/(2!-)!F)'&*!;0%..0!
< %&.5%00!P&%)'2!3F99!*++-;#!%'!6*07!3&*..2!G%00!C=8C@!!
1 b%&A#A!+*&!%&'!. /$$0-#.!%) A!&#;#$'-*)!+*&!;*((/)-'7RM%.#A!0#%&)-)4!$&*e#;'!-)!F)'&*!;0%...@!
G%; /0'7!"#N#0*$ (#)'!P&%)'2!6*07!3&*..!3#)'#&!+*&!I#%;5-)4@!!G%00!C=88
1 b %&A#A!+*&!$0%)!'*!-); *&$*&%'#!; *((/)-'7RM%.#A!0#%&)-)4!%)A!%!N-&'/%0!
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EJ#'&*.$#;'-N#H!U&-)4-)4!'5#!6*07!Z%)A!6*(#@K!F'5%;%!3*00#4#@!1$&-0!C=C^@!
EI5#!3&/.%A#.2!'5#!35#&'.#7!I-0#.2!%)A!%!f#b!<#A-#N%0!1&'!6-.'*&72K!<*&0#7!3*00#4#2!Z*)A*)2!
dT_{2!+}*\&! < *\&0#7! < #A-#N%0@! f *N@2!C=CD@!
E: %00RB%-)'-)4.!%)A!F($*&'#A!I#O'-0#.2K!b*&X.5*$!+*&!'5#!<#A-#N%0!: %00!B%-)'-)4.!
J#.#%&;5!P&*/$2!3*/&'%/0A!F).'-'/'#!*+!1&'2!d)-N#&.-'7!*+!Z*)A*)2!dT@!1/4@2!C=CD@!
E: 57!'5#!35#&'.#7!I-0#.m!Z*.'!Z%'-)!I#O'.2!J#A-.;*N#&#A!F(%4#.!*+!'5#!3&/.%A#.2!%)A!%!B*..-M0#!
G# (%0#!B%'&*)@K!! < #A-#N%0!3-&;0#!Z#;'/&#.2!U&*b)!d)-N#&.-'7@!G#M@!C=CD@!
G\&\#A.!*+!'5\#!F3 < 1!*0-1\#!S\%\#02!EdS:*(-)4!1''\&\%:'-*).\#9S\&-04!C=CD!aO5-M-'-*).!*+!<\#A-\#N\%0!
1 &'@K!! f *N@!C=CC@!! 1 N%-0%MO#!*)0-)#!%'!5''$.Hjjb b b@(#A-#N%0%&'@*&4j.$#;-%0R*)0-)#RO#;'/&#.!!
EF)'&*A/;-)4!gU&-)4-)4!'5#!6*07!Z%)A!6*(#2SK!<#A-#N%0!%)A!J#)%-..%);#!9'/A-#.2!3*00#4#!*+!
'5#!6*07!3&*..@!9#$'@!C=CC@!
E < #A-#N%0! < #A%00-*)RB%''#&)#A!9-0X.H!a%.'!%)A!: #.'@K!!3*00#4#!*+!1&'.2!f*&'5#%.'#&)!d)-N#&.-'7!
V! #$\!-)!95\)7\)42!35-)\!\!\L/07!C=CC\!
E < NH(H) (K!! n \%H d) -NH . - 7S. B\% / 0! < H00*) 3#) (A+!+* &! 9' / A-#.!-) !U - 5! 1 &'2! Z*) A*) (A T 0!! - 5! 1 &'2! Z*) A*) (A T 0!! - 5! 1 &'2! Z*) A*)
B/M0-;!Z#;'/&#!9#&-#.H!EU&-'%-)!%)A!'5#!: *&0A@K!!<%7!C=CC@!!G*&!&#;*&A#A!@#;'/&#!.##H!
5''$.Hijbbb\%%\/0R(#00*)R;#)'&#\%:\@/Xjb5%'.R*)j$0;RM&-'%-)R%)AR'5#Rb*&0AR-)R'5#R (-AA0#R%4#.!!
EI5#!B/YY0#!*+!'5#!35#&'.#7!I-0#.H!B/''-)4!'5#!B-#;#.!I*4#'5#&&K!!I5#!35#&'.#7!9*;-#'72!35#&'.#7!
< / .#/ ( 2! d T@!!G#M&/%&7!C=CC@!
Eg < *&#!B&#;-*/.!'5%)!'5#!T-)4$H!U7Y%)'-)#!9-0X.2!'5#!35#&'.#7!3*(M%'!I-0#.2!%)A!a)40-.5!
 F (\$\#\&-\%0! 1 .\$-\&\%'-*) . (K!! I 5\#! 3\% (M\&-A4\#! < \#A-\#N\%0! 1 \&'! 9\# (-)\%\&2! 3\% (M\&-A4\#! d) -N\#\&.-'72! d T2! ) 
1;'*M#&!C=C8@!
E = [0.042!, 0.0/\%M0#2!\%) A!9'\% (0.04H! < #A-#N%0!B\%; '-; #.1*+!3*00#; '-*)!\% (0.04H) A!9'\% (0.04H! < #A-#N%0!B\%; '-; #.1*+!3*00#; '-*)!\% (0.04H) A!9'\% (0.04H)! < #A-#N%0!B\%; '-; #.1*+!3*00#; '-*)!% (0.04H)! < *A#\% (0.0
F)N-'#A!0#;'/&#!%)A!&*/)A'%M0#@!!''#0%b%&#!,%00#7!<#A-#N%0!1..*;-%'-*)2!9#$'#(M#&!C=C8@!!!G*&!
&#;*&A#A!0#;'/&#!.##H!5''$.Hjj;/&%'-)4%&'*+'5#40*M%0(-AA0#%4#.@M0*4.@M&7)(%b&@#A/j$&#&#;*&A#AR
'%0X.i!
EG&* (!G&%4 (#)'!'*!G0**&H!1!"-4-'%0!J#;*).'&/;'-*)!*+!'5#!35#&'.#7!3* (M%'!9#&-#.!I-0#.!
Va)40-.52!;0!8C`=\!\%)A!I5#-&!Z*.'!I#O'.0K!!d)-N#&.-'7!*+!]O+*&A2!V#)\\;*A-)4!6#&-'\%4#!9#(-)\%&!
9#&-#.2! < %7!C=C80!!G*&!&#; *&A#A!0#; '/&#!.##!<u>5''$.Hij'*&;50*O0%;0/Xj%RA-4-'%0R&#;*</u>).'&/;'-*)R*+R'<u>5#R</u>
;5#&'.#7R;* ( M%'R.#&-#.R'-0#.R#)40-.5R;@R8C`=R$&*+@R% ( %) A%R0/7.'#&!
Ea)40-.5!,-.-*).!*+!'5#!a%.'H!6#)&7!FFF2!'5#!3&/.%A#.2!%)A!'5#!3*.(*$*0-'%)!3/0'/&#!*+!"-.$0%7!
-)!I5-&'##)'5R;#)'/&7!a)40%)A&K!!3*00#4#!*+!'5#!6*07!3&*..2!G%;/0'7!9;5*0%&.5-$!Z/);5!.#&-#.@!!
G#M\&/\%\&7!C=8Q@!
```

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 \begin{split} &\text{Ea} \ ) \ 40^{-}.5! \ U^*A-\#.2! F \left( \ \$^*\&'\#A!9-0 X. \ H! U 7 \% \right)'-)\#! \ I\#0'-0\#.!-)! 15-\&'\#\# \right)' 5R;\# \right)'/\&7! \ a \ ) \ 40\%) \ A\&K!! \ 15\#! < \%\&7! \ L\%5\%\&-.!3\# \right)'\#\&!+\&! U 7 \% \right)'-)\#! 1\&'!\%) A!3/0'/\&\#!\%) A!'5\#!3* ( (-''\#\#!*)! < \#A-\#N\%0!9'/A-\#.2! 6\%\&N\%\&A! \ d )-N\#\&.-'72!\%'! 6\%&N\%\&A! \ d )-N\#\&.-'72!\%'! (-)%\&@!! \ d )-N\#\&.-'71!\%+! \ < \%...\%; 5/.#''.!1 (5\#\&.'@!!9\#\$'\# (M\#\&!C=8[@!!]! \ | E3*00\#;'-*).jJ\#;*00\#;'-*).H! 15\#! \ d.\#!*+! 1#0'!-)! f\#' b*\&X.!*+! 3*00\#;'-*)@!! < \#A-\#N\%0!F)N#)'*\&-\#.2! \ ZMM\#0.2!F).;\&-\$'-*).2!M) A! < \# (*\&7@K!Z\#;'/&\#!-)!.\# (-)%&!.#\&-#.!*)!'5\#! \ 6-.'*&7!*+! 3*00\#;'-*)@!! \ F).'-'/'#!+! 6-.'*&-;%0!J#.#%&;52!Z*)A*)@!!L\%)/%&7!C=8[@!!!! \ | E15\#!35\#\&'.\#7!I-0#.H!a)40%)A!\%)A!'5#!a%.'@K!F)N-'#A!'*!0#\A!\%!5%)A0-)4!.#..-*)!+*&!'5#!3*/&'\%/0A! \ F).'-'/'#!-)!;*)e/);'-*)!b-'5!'5#!U&-'-.5! < /.#/(@!!1'!'5#!U&-'-.5! < /.#/(2!Z*)A*)@!!L/)#!C=8h@! \ | E15\#!U#\%/'-+/0!9;-#);#!*+!B000.242418.14);0.82/TT810501384#.
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!
E1&'5/&-%)!Z#4#)A.!-)! < #A-#N%0!1&'0K!! <-))#.*'%!9'%'#!d)-N#&.-'72!];'0!C[2!C==D0!
!
E15#!a%&0-#.'!a)40-.5!F(%4#.!*+!I&-.'%)!%)A!F.#/'H!I5#!3*)'#0'!%)A!F)'#&$&#'%'-*)!*+!'5#!
35#&'.#7!I-0#.0K!d)-N#&.-'7!*+!6/002! < #A-#N%0!9'/A-#.!"#$%&'(#)'2!6/002!d0T0_!G#M0!C[2!C==80!
!
EJ#$&#.#)'%'-*).!*+!I&-.'%)!%)A!F.*0A#!-)! < #A-#N%0!1&;5-'#;'/&#H!I5#!G*/&'##)'5R3#)'/&7!: %00R
B%-)'-)4.!%'!9'
```

!

EU&-)4-)4!'5#!6*07!Z%)A!6* (#H!I5#!3&/.%A#.2!35#&'.#7!1MM#72!%)A!'5#!J#;*).'&/;'-*)!*+!%! <#A-#N%0!<%.'#&\$-#;#\K!!f#b!a)40%)A!<#A-#N%0!3*).*&'-/(2!3*00#4#!*+!'5#!6*07!3&*..2!<%&;5!

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```
EI5#!105% ( M&\tilde{M}!'5#!B\tilde{M}\tilde{M}: #2!B0#\tilde{M}: /&\tilde{M}: A!B\tilde{B} \tilde{M} \tilde{M}: 3\tilde{M} \tilde{M}! \tilde{H}!'5#!6\tilde{M}: 3\tilde{M}: \tilde{M}: \ti
E1&;5-'#;'/&%0!9'/A-#.!F2K!0%'#&!&#N-.#A!'*!EP0*M%0!6-.'*&7!*+!1&;5-'#;'/&#@K!!];'@!D=2!C==h2!&#$#%'!
-)N-'\%'-*)!*)!];'@!Ch2!C==Q!\%)A!*)!<%&;5!8[2!C=8^@!
EF.0% (-;!P%&A#).0K!3*00#4#!*+!'5#!6*07!3&*..!;*/&.#2!EP%&A#).!%)A!J#0-4-*/.!I&%A-'-*).0K!!G#M0!
CC2!C==[2!&#$#%'!-)N-'%'-*)!*)!G#M@!8h!%)A!C82!C=882!%)A!G#M@!8Q2!C=8>2!%)A!9#$'@!Ch2!C=8[@!
E35&-.'S.!P*0A#)!, *-;#H!I5#!: %00RB%-)'-)4.!*+!'5#!B%0%-.!A#.!B%$#.2!1N-4)*)@K!3*00#4#!*+!'5#!
6*07!3\&*..!<\#A-\#N\%0!\setminus !J\#)\%-..\%);\#!3*00*r/-/(!\%)A!"\#\$\%\&'(\#)'!*+!,-./\%0!1\&'.!0\#;'/\&\#\emptyset!!<\%\&\emptyset!
8=2!C=8=0!
!
F)N-'#A!'*!&#N-#b! (%'#&-%0.!+*&!'5#! <%; 1 &'5/&!G#00*b.5-$2! f%'-*)%0!a)A*b (#)'!+*&!'5#!
6/(%)-'-#.!Vfa6W2!]O+*&A!d)-N#&.-'7!B&#..2!B#))!9'%'#!d)-N#&.-'7!B&#..2!E.\\(\pi\*2!5?.,(-()2!\)
52("$. %+$3+>, &3&<'*?462!K&('3*-+&7+; ...-. \%*\%\$, *-+H\$\%2&'62!\%) A!*'5#&. @!
a0'#&)%0!J#N-#b#&2!G-)#!1&'.!"#$'2!9'@!1).#0(!3*00#4#2!f6@!<%7!C=C8@!
I5#!F)'#&)%'-*)%0!3#)'#&!*+!<#A-#N%0!1&'!!
                                                                                                                 2!-)N-'#A!%)A!#0#;'#A!$*.-'-*)2!C=CDRC=C^@!!
                       J#.$*).-M0#!+*&!)*(-)%'-)4!.;5*0%&.!+*&!.#%'.!*)!'5#!U*%&A!*+!"-&#;'*&.!%)A!'5#!)#0'!
                      f * (-)%'-)4!3* ( (-''##2!#0#; '#A!$*.-'-*)@!C=CCRCD@
```

 $I5\#!\#05-M-'-*)!b\%.!*)\#!*+!'b*!5-450-45'\#A!M7!'5\#! f a 6!"-N-.-*)!*+!B/M0-;!B\&*4\&\% (.!-)!'5\#-\&!L\%)/\%\&7!C=CD!)\#b.0\#''\#\&\emptyset!$

!

"#\$%&'(!*)!

- I / '*&-%02!E < #A-#N%0!P0*M%0! 1 & '2K!T#))#'5!: *)4!SC^@!9\$&-)4!C=CC!
- : #-..!9/((#&!J#.#%&;5!B&*4&%(@!!f-)%!<%.-)R<*7#&!SCC@!!9/((#&!C=C8!
- I / '*&-%02!E 1 &'! 6 . '*&7!%) A!9 '*&72K!L%A%! 3 0%&X#!SC=@!G%00!C=8[!

!!

F) '#&N-#b#A!%&A-)4!EU&-)4-)4!'5#!6*07!Z%)A!6* (#K!+*&!d)-N#&.-'7!*+!35-;%4*!\$&*+#..*&! 1)'5*)7!T%0A#00-.S.!\$*A;%.'2!EU7Y%)'-/ (!\!G&-#)A.@K!!a%;5!#\$-.*A#!*+!'5-.!\$*A;%.'!&#;#-N#.! %M*/'!`2===!A*b)0*%A.@!B*A;%.'!%-&#A!*)!L%)@!C>2!C=CD@!

5''\$.HjjM7Y%)'-/(%)A+&-#)A.@\$*AM#%)@;*(j#j[>R5*bR'*R*&4%)-Y#R%R(/.#/(R#O5-M-'-*)RiR%)AR M&-)4R'5#R5*07R0%)AR5*(#Rb-'5R%(%)A%R0/7.'#&j!!

 $<7!\&\#.\#\&\&;5!b\%.!'5\#!./Me\#;'!*+!\%)!\&\&'-;0\#!-)!'5\#!Z*)A*)!)\#b.\$\%\$\#\&!'5\#!>3".2.3".322!EJ\#N\#0\#AH!\\ Z*)A*)S.!0*)4R0*.'!(\#A-\#N\%0!$\%0\%;\#!\&\#;\&\#\%'\#A!\%+'\#\&!' ==!7\#\%\&.0!8.''$.\#*-+*'2+$3\#.%2$<*2&'-+!)*3"*+\\ I(6\%2.'-+4*\%+)*3*<.''+2&+''$<$2*--6+'.*\%.)G-.+)&%2+&7+*+)&%*$,+?*#.).32+''.%$<3=+&'$<$3*--6+,'.*2.''+7&'+(\%.+$3+24.+?*-*,.0K!!U7!''\N-A!T#7.2!$/M0-.5#A!*)!L\%)0!C^2!C=CD0!!I5#!F)A#$#)A#)'S.!(*)'507!\%/A-#);#!-.!*N\#&!C[!(-00-*)!-)A-N-A/\%0.0!5''\$.\Hjjbbb0-)A\#$#)A\#)'0;*\@/Xj)\#b.j/Xj5*(\#R)\#b.j0*)A*)R&*7\%0R$\%0\%;\#R(*.\%-;RMCC>[=D=05'(0!!$

F)'#&N-#b#A!%&A-)4!'5#!35#&'.#7!'-0#.!+*&!'5#!EP*)#! < #A-#N%0K!\$*A;%.'2!\$%&'!*+!'5#!E6-.'*&7!
6-'.K!)#'b*&X2!E%!4&*b-)4!&%)4#!*+!\$*A;%.'.!\$&#.#)'#A!M7!%)A!+#%'/&-)4!5-.'*&-%).!%'!'5#!
+*&#+&*)'!*+!&#.#%&;5!%)A!A#M%'#@K!EP*)#! < #A-#N%0K!5%.!5%A!)#%&07!'#)! (-00-*)!A*b)0*%A.@!!
B*A;%.'!%-&#A!*)!L%)@!C^2!C=CD@!