

!''#

C2; .-C5%A2:3-B!H+#36H!>;!.B-+CB+!X>2;C#3.E!K;> ?>6->C!B> ? ? -66++.! ? # \$!D-C/!-6!2.+D23!6>!
-/+C6-D\$!#C!>26.-/+!;+,-+N+;!NH>!B#C!A;>,-/+!52-/#CB+!>C!6\$A+.!>D!X>2;C#3.!#C/!#;6-B3+.!
6H#6!N>23/!:+!WA+B6+!/D>;!.> ? +>C+!>D!6H+!D#B236\$! ? + ? :+;Z.!:#BU5;>2C/!#C/!;#CU!6>!
H# ,+!#.!A#;6!>D!6H+;!A>;6D>3->E!!

!
[;/-C#;-3\$%! ? -C- ? #3!B;-6+;#-!D>;!+,-/+CB+!>D!.BH>3#;.H-A!N-33!-CB32/+0!
4 6!3+#.6!>C+!A++;\;;+,-+N+!/!#B#/+ ? -B! ? >C>5;#AH!#.!>3+!>;!A;- ? #;\$!#26H>;!#C/!#6!
3+#.6!6H;+!A++;\;;+,-+N+!/!#B#/+ ? -B!A2:3-B#6->C.)!>;!!
4 6!3+#.6!.+ ,+C!A++;\;;+,-+N+!/!#B#/+ ? -B!A2:3-B#6->C.!#.!>3+!>;!A;- ? #;\$!#26H>;!
o =>6+0!!OH+!C2 ? :+;!>D!;+Y2-;+!/!#;6-B3+!.!>;!>>U.!B#C!:+! ? >/-D-+!/D!
#AA;>A;-#6+!D>;!6H+;+!3+C56H!>;!.-5C-D-B#CB+!!

!
!D!#AA;>A;-#6+!>6H+;!6\$A+.!>D!A2:3-B#6->C.!N-33!B>2C6!6>N#;/!6H- .!+,-/+CB+!#36H>25H!6H+!
?>2C6!>D!6H+ .!A2:3-B#6->C.!#T!N-33!C++/!6>+!WB++/!6H+!# ?>2C6!.!A+B-D-+!/!#>;+!#C/!#T!
B#CC>6!:+!6H+!.>3+!6\$A+!>D!+,-/+CB+!D>;!6+C2;+E!!OH+ .! ? # \$!-CB32/+0!
G>\#26H>;+!/A++;\;;+,-+N+!/!#B#/+ ? -B! ? >C>5;#AH!!
G>\#26H>;+!/A++;\;;+,-+N!A2:3-B#6->C.!
@+3+B6- ,+! :26!C>6!A++;\;;+,-+N+!/!A2:3-B#6->C.!
@+3+B6- ,+!-C, -#6->C.!6>!.A+#U!#6!#B#/+ ? -B!B>CD+;+CB+ .!

!
9-C#33\$!>6H+;!6\$A+.!>D!;+ .+#;BH!+,-/+CB+!N-33!.+; ,+!#.!2AA3+ ? +C6#3!+,-/+CB+!>D!;+ .+#;BHE!!
OH+ .! ? # \$!-CB32/+0!!!
@+B>C/!>;!.2: .+Y2+C6!#26H>;!-C! ? >C>5;#AH!>;!A++;\;;+,-+N+!/!#;6-B3+ .!
4 ;6-B3+ .!-C!C>C\;+D+;+!/!X>2;C#3.!>;!A;>D+ .->C#3!X>2;C#3 .!
JCB\$B3>A+/-#!#;6-B3+ .!
GH#A6+; .!-C!.BH>3#;3\$!>>U .!
J /-6+!/B>33+B6->C.!>D!.BH>3#;3\$!+ .# \$.!

!
[;/-C#;-3\$%!6H+!;+,-+N+!/!+,-/+CB+!>D!.BH>3#;.H-A!.H>23/!:+!A;>/2B+!/!/2;-C5!6H+!6+C2;+!
6;#BU!A+;>/!SNH+6H+;!6H- .!>BB2; .!#6!@PQ!>;!#C>6H+;!2C- ,+; .-6\$TE!!

!
OH+!.2: ? - .->C!>D!5;#C6!#C/!B>C6;#B6!A;>A> .#3!- .!6;>C53\$!+CB>2;#5+!/!>D!#33!D#B236\$!
? + ? :+; %!#C/!5;#C6!D2C/-C5!N-33! :+! ,+N+!/!# .!+,-/+CB+!>D!6H+!# : -3-6\$!6>!B>C/2B6!
-C/+A+C/+C6!;+ .+#;BHE!JWA+B6-C5!:->+6H-B!.!BH>3#;.!6>!;+B+ ,+!D2C/-C5!D;> ? !#C\$!A#;6-B23#;!
.>2;B+!S.2BH!# .!6H+! =] I T! ? # \$!C>6! :+!#AA;>A;-#6+! :26! .>2;B+ .!H>23/! :+!;+B>5C-^+!/!# .+!
>C!6H+; !#AA;>A;-#6+C+ .!D>;!6H+!A;>X+B6E!! I >N+ ,+;%-C/+A+C/+C6!5;#C6!D2C/-C5!N-33!C>6! :+!
A#;6!>D!6H+! ? -C- ? 2 ? !;+Y2-;+ ? +C6 .!D>;!6+C2;+!2C3+ .!6H- .!;+Y2-;+ ? +C6!- .!B3+;#3\$!.A+B-D-+!
S+E5E!-/+C6-D\$-C5!#C!+WA+B6+!/D2C/+!/A+;B+C6!+DD>;6!#C/!6- ? +3-C+T!-C!#!3+66+;!A;>,-/+!#6!6H+!
6- ? +!>D!H-;+E!

!
_E!-342.#3E!!@+;,-B+!- .!#C!-C6+5;#6- ,+!A#;6!>D!2C- ,+; .-6\$!+ /2B#6->CE! [;/-C#;-3\$%!D#B236\$!
? + ? :+; .!#;+!WA+B6+!/!6>!A;>,-/+! .+; , -B+!6>!6H+;!G+C6+;!G>33+5+!>;!@BH>>3!QC- ,+; .-6\$!
#C/!6H+!.BH>3#;3\$!#C/!3>B#3!B> ? ? 2C-6+ .E!F+B#2 .!X2C->;!D#B236\$! ? 2.6!+.6# :3- .H!6H+;!
;+A26#6->C!# .!BH>3#; .!D>;!6+C2;+%!6H+; !+; , -B+! ? # \$!C>6! :+!# .!+W6+C- ,+!# .!6H#6!>D!.+C->;!
D#B236\$E!!=>C+6H+3+ .!X2C->;!D#B236\$! ? 2.6!B>C6; - :26+!6>!6H+! ? - .->C!>D!6H+!2C- ,+; .-6\$!
6H;>25H! .+; , -B+!#NH-BH!B#C!-CB32/+0!5;# /2#6+!+W# ? -C#6->C! :>#; /.)>;+ ,+; .-5H6!>D!A;#B6-B#!

A;> ?>6->CE! " + ? :+; .!.++U-C5!6+C2;+!>;!A;> ?>6->C! ? 2.6!;+B2.+!6H+ ? .+3,+.!D;> ?!,>6+.E!JD!
#C!+3-5-:3+!,>6-C5! ?+ ? :+;!.!2C#:3+!6>!#66+C/!6H+!;+, -+N! ? ++6-C5%!6H+!/ -;+B6>;!.H>23/!
>:6#-C!6H+! ?+ ? :+;!.!,>6+!-C!#: .+C6-#!>;!+3+B6;>C-B#33\$E! a>6-C5! ?+ ? :+;!.H>23/!;+B+-, +!#!
B>A\$!>D!6H+!#AA3-B#C6Z.!/> . .-+; !#6!3+#.6!7!N++U. !-C!#/ , #CB+!>D!6H+!;+, -+N! ? ++6-C5E!OH+!
,>6+!>D!6H+!+3-5-:3+!G I G J !D#B236\$!N-33!:+!B> ? ? 2C-B#6+ /! : \$!6H+!G+C6+;!R-;+B6>;!6>!6H+!

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OH+!G+C6+;!/-;+B6>;!>;!/+/+3+5#6+!-.!;+.A>C.-:3+!D>;!#..+ ? :3-C5!6H+!G+C6+;\\.!/>..-+;\\!#.!.

D>33>N.E!

!

&E!OH+!B>, +;!..H++6!#C/!, >6+!>D!6H+!G+C6+;E!

7E!OH+!G+C6+;!B;-6+; -#!D>;!A;> ? >6->C!#C/!6+C2;+E!

_E!OH+!B#C/-/#6+\\.!A#;6!>D!6H+!/ >..-+;E!

cE!OH+!;+B> ? ? +C/#6->C!>D!6H+!G+C6+;!/-;+B6>;E!

`E!OH+!;+B> ? ? +C/#6->C!>D!6H+!G+C6+;!B> ? ? -66++E!

<E!J , #32#6->C.!D;> ? !-C6+;C#3!S2C-, +;.-6\$T!B>33+#52+.!S/+ .B;-: +/!A;+,->2.3\$TE!

eE!J , #32#6->C.!D;> ? !.62/+C6.!S/+ .B;-: +/!A;+,->2.3\$TE!

(E!P+66+;..!D;> ? !>26.-/+!+, #32#6>;.!S/+ .B;-: +/!A;+,->2.3\$TE!

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