! ! ! ! ! ! "#\$%\$!&'!(\$%)*!+,'-'! (#./%,\$!0/%12*!-03!

! "#\$"%&'(%

 $A<1!4\%/5162/78!9:!; <91\%/=!B\$6116!CD7/E/2E!F\%, 1=^{@}!2\#6518!/2!\$!6121\$6.<!27\#, 8!76\$.G/\%)! \\ \$\%\%\#\$H!, \$7\$!9\%!7<1!..9\%, /7/9\%!9:!7<1!:3 E 16/..$\%! I 96G:96.1!:69 E!>?>J!79!>?>@'!A<1!2\#6518!612#H72! \\ D695/, 1!/\%:96E\$7/9\%!\$K9\#7!7<1!..<\$\H1\%) 12!:3 E 16/..$\%! I 96G162!:\$..1!\$\%, !9::16!95167!\$\%, !..95167! \\ /\%2/)<72!/\%79!7<1!27\$71!9:!\H1\$, 162</D!/\%!96) \$\%/L\$7/9\%2!/\%!7<1! 4 'M'!C516!7<1!D\$27!, 1..\$, 12\$!7<1! \\ ...9\%.1D7!9:!\H1\$, 162</D!<\$2!) \$6\%161, !2/) \%/:/..\$\%7!\$771\%7/9\\$!\H1\$, /\%) !79!\$!:\H9\#6/2</\%) !K9, 8!9:! \\ \H/716\$7\#61!9\%!716E2!2\$\.<!\$2!\N\H1\$, 160!\$\%, !\N\H1\$, 162</D'0!P\$6/9\$2!7<196/12!<\$51!\K11\%!, 151\H9D1, !79! \\ \$, ,6122!\H1\$, 162</D!..<\$\H1\%) 12\$!\$\%,!..9\%.1D72!\H/G1!\N) 6/70!<\$51!\K11\%!1=71\%2/51\H8!$

5*36"&('&! (#\$"#\$,&

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7#\$%(+14\$.(#&

+ .9%9E/.!\$%,!29./\$H!7#6E9/H!<\$2!K1.9E1!\$!D615\$H1%7!D69KH1E!/%!7<1!4%/71,!M7\$712'!A<1!

4%/5162/78!9:!;<91%/=!B\$6116!CD7/E/2E!F%,1=®!T>?>@R!</)<H/><71,!7<\$7!E\$%8!3E16/.\$%!I96G162!

:11H!,/2/HH#2/9%1,*!H\$.G/%)!61.9)%/7/9%!TW?XR!\$%,!1ED9I16E1%7!T>YXR!:69E!7<1/6!H1\$,162'!F%!:\$.7*!

7<1!2#6518!2<9I2!7<\$7!\$!27\$))16/%)!YWX!9:!I96G162!\$61!I/HH/%)!79!Z#/7!7<1/6![9K2*

>!

,\$E\$)1!7<18!2#::161,!,#1!79!7<1/6!D\$22/9%'!A<1!D\$6\$,9=!/2!2#DD9671,!K8!7<1!,#\$H!69H1!9:!D\$22/9%[! <\$6E9%/9#2!\$%,!9K2122/51!TV/\H17!17!\$H'*!>?>\Wc!P\$\H16\$%,!17!\\$\H'*!>?>\Wr!!!

!

B*,..(#C&@*%A(#.(1,&;,&F3,",..;"&

P\$HI16\$%,!17!\$H'!T>?>WR!,1:/%1,!<\$6E9%/9#2!D\$22/9%!\$2!K\$H\$%./%)!I<\$7!I1!H951!,9/%)!I/7<!
97<16!H/:1!\$.7/5/7/12*!7<161K8!\$59/,/%)!.9%:H/.72!K17I11%!I96G*!:\$E/H8*!\$%,!D1629%\$H!H/:1'!C%!7<1!
,\$6G16!2/,1*!9K2122/51!D\$22/9%*!9:71%!,6/51%!K8!1=76/%2/.!E97/5\$7/9%2!2#.<!\$2!61.9)%/7/9%!\$%,!
\$..1D7\$%.1!T(\$[9E!17!\$H'*!>?J_R*!.\$%!H1\$,!/%,/5/,#\$H2!79!\$,9D7!\$!NI<\$71516!/7!7\$G120!\$DD69\$.<!/%!
H1\$,162</D'!B9%21Z#1%7H8*!<\$6E9%/9#2!\$%,!9K2122/51!D\$22/9%!E\$8!612#H7!/%!,/27/%.7H8!,/::161%7!
96)\$%/L\$7/9%\$H!9#7.9E12!T(9K\$79!17!\$H'*!>?>WR'!

; \$22/9%!61:H1 .72!\$!H1\$, 16\$2!/, 1%7/78!\$%, !21H:U1=D6122/9%!TO 9! d!3 27\$G<95\$*!>?>?R'!A<921!

I /7<!<\$6E9%/9#2!D\$22/9%! I 96G!\$#79%9E9#2H8!\$%, !1 EK6\$.1!\$%, !/%716%\$H/L1!7<1/6!69H12*!H1\$, /%)!79!

D92/7/51!1E97/9%2*!\$!21%21!9:!5/7\$H/78*!\$%,!)61\$716! I 96G!1%)\$)1E1%7!TO 9! d!3 27\$G<95\$*!>?>?R'!

B9%51621H8*! I <1%!/%, /5/, #\$H2!K1 .9E1!9516H8!:/=\$71, !9%!\$%!\$.7/5/78*!7<18!E\$8!1=D16/1% .1!276122*!

I </.<! .\$%!%1)\$7/51H8!/ED\$.7!7<1!Z#\$H/78!9:!7<1/6!/%716D1629%\$H!61H\$7/9%2</D2!T; </H/DD1!17!\$H'*!

>?J?R'!

7#'(%A.#?&B*,..(#&(#&)"*+"%,-./&5-"(%.",&

(1\$,162</D!7<196/12!\$.7!\$2!\$!.9ED\$22*!)#/,/%)!96)\$%/L\$7/9%\$H!H1\$,162!7<69#)<!.9EDH1=!
.<\$\text{\$\text{H}\$1%}\)12!\$%,!1=\text{\$\text{D}\$}\\$/%/\$)!1::1.7/51!\text{\$\text{H}\$1\$}\$,162</D'!A<1!\text{\$\text{P}}/67#1!+7</.2!\$%,!;\$7<\text{\$\text{UV}\$}\text{\$\text{H}}!7<196/12!27\$%,!
9#7!:96!7<1/6!#%/Z#1!:9.#2!\$%,!\$DD\text{\$\text{\$\text{D}\$}\text{\$\tex{

G.%\$1"&H\$-.4,&5-"(%I&

A<1!P/67#1!+7</.2!7<1968!/2!\$!D</H929D<8!,\$7/%)!K\$.G!79!36/2797H1!\$%,!;H\$79'!F7! I \$2!

,151H9D1,!79!D69E971!5/67#1!17</.2!\$2!\$!D6/E\$68!\$DD69\$.<!79!E96\$H!Z#127/9%2!\$%,!,1./2/9%2!

Te 1 I 271\$,*!>?>>R'! ` 99,!T>?J\R!\$221671,!7<\$7!P/67#1!+7</.2!:9.#212!9%!\$%!/%,/5/,#\$HS2!.<\$6\$.716!

96!E96\$H!:/K16!6\$7<16!7<\$%!7<1!6#H12!T,19%79H9)8R!96!.9%21Z#1%.12!T.9%21Z#1%7/\$H/2ER!1ED<\$2/L1,!

K8!97<16!17</.\$H!7<196/12'!3..96,/%)!79!M%9 I !T>?J]R*!5/67#12!1%\$KH1!/%,/5/,#\$H2!79!\$.7!\$..96,/%)!

79!61\$29%!\$%,!\$.</151!\$!K\$H\$%.1,!\$%,!:#H:/HH/%)!H/:1'!P/67#1!17</.2!/%:96E2!H1\$,162</D!D6\$.7/.1!K8!

1ED<\$2/L/%)!5/67#9#2!H1\$,162</D!\$%,!%#67#6/%)!H1\$,162\$!E96\$H!.<\$6\$.716!7<69#)<!21H:U.#H7/5\$7/9%!

9:!5/67#12!T`\$%)!d!0\$.G177*!>?>>R'!!

!

B*\$-JK(*6\(\dagger{6}\)\(\dagger{1}\)

3..96,/%)!79!+6L1%!\$%,!36E\$f\$%!T>?J^R*!7<1!;\$7<UV9\$H!7<1968!61H\$712!79!<9 I !H1\$,162! E97/5\$71!7<1/6!:9HH9 I 162!79!\$.</151!2D1./:/.!)9\$H2'!A<1!;\$7<UV9\$H!7<1968!#%,162.9612!\$!H1\$,1682! \$77/7#,12*!2G/HH2*!\$%,!76\$/72!/%!2D1./:/.!2/7#\$7/9%2!79!/%:H#1%.1!1EDH98112\$!D16:96E\$%.1!TM#6/8\$%7/*! ! @!

! Y!

: "'"%"#4",&

327\$G<95\$*!&'!e'*!d!09*!P'

0\$67#%)*!;'!T>?>?R'!A<1!/ED\$.7!9:!21H:U\$ I \$61%122!9%!H1\$, 162</D!K1<\$5/96'!

0"&"51+1&<

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<u>.</u>

&9%L\$%/*!('*!d!P\$%!-/.G*!a'!T>?>?R'!;92/7/51!H1\$,162</D!/%!96)\$%/L\$7/9%2'!F%!

'!

 $e\ 1\ I\ 271\$\ , ^*!A'!T>?>>R'!h\ 1/\%\)\ !+=DH'\ ./7!\ 3\ K9\#7!\ P/67\#120!\ 3\ \%\$H82/\%\)\ !A+-\ !A\$HG2!\$\%\ , !F\%71\)\ 6\$7/\%\)\ !$

M. <9H\$62</D!79!3,5\$%.1!P/67#12Uh\$21,!(1\$,162</D!-151H9DE1%7'!

! $T>R!WW^kW^V'!<77D20gg,9/'96)gJ?'J??Yg2J?^^JU?>JU?@\[]]U>!$

! J?!

 $\textbf{P\$H16\$\%} \text{ , *! a '!'''*!} \textbf{B} \texttt{</.<1G/\$\%*!} \textbf{A'*!} \textbf{P16\%16Ub/H/9\%*!'''*!} \textbf{d !hpH\$\%}) \textbf{16*!'''!} \textbf{T>?>WR'!} \textbf{A} \texttt{<1!7 I 9!:\$.12!9:!} \textbf{16.12} \textbf{19.13} \textbf{19.13} \textbf{19.14} \textbf{19.15} \textbf{19.15$

D162/271%.10!O9I!<\$6E9%/9#2!\$%,!9K2122/51!D\$22/9%!2<\$D1!)9\$H!D#62#/7'!

'!<77D20gg,9/'96)gJ?'J?WYgE97????W?W!

P\$\mathbb{H}16\\$\%, *! a '!"'*! d ! 0 9\#\mathbb{H}: 967*!