

! ''#\$%&' (%&) ' *#\$+&, - . %#/,&0/-/(-#1(&!"#\$%&!'!(!) '*#!

! "#\$%&#'() \$*(+,+-(!

"#\$%&!'()'*+,#)!-#./0!0'..!-#!&1/0(!'(!',+.'*&!+()!&1+..!1+2#!,1#!3/../0'(4!%#+('(4&!'(!,1'&! 5#,#(,'/(!6/.'*7!&,+,#%#(,8!9(.#&&!,1#!*/(,#:,!*.#+\$.7!'()'*+,#&!/,1#\$0'&#;!!

5#,#(,'/(!</%%',,##!=!>,+()'(4!*/%%',,##!/3!,1#!?#@+\$,%#(,!/3!<1'.)!+()!A+%'.7!>,9)'#&! *1+\$4#)!0',1!#:#*9,'(4!&,9)#(,!\$#,#(,'/(!+33+'\$&B!!

C(!D//)!>,+()'(4!=!E/!9(\$#&/.2#)!@\$/-.#%&!/\$!*/(*#\$(&!#:'&,!-#,0##(!,1#!+@@.'*+(,!+()!3+*9.,7F!+))'('&,\$+,'/(!/3!+(7!1'41#\$!#)9*+,'/(!'(&,',9,'/(!+,,#()#)!-7!,1#!&,9)#(,B!!))

6\$#.'%'(+\$7!5#2'#0!=!G!)9#!@\$/*#&&!%##,'(4!/3!,1#!5#,#(,'/(!</%%',,##!01#\$#'(!+!-\$'#3! &9%%+\$7!/3!*/(*#\$(&!3\$/%!/(#!/\$!%/\$#!>,9)#(,!5#3#\$\$+.H&I!'&!@\$#&#(,#)!3/\$!,1#!&/.#!@9\$@/&#!/3!)#,#\$%'('(4!01#,1#\$!3/\$%+.!</%%',,##!+*,'/(!'&!0+\$\$+(,#)!3/\$!,1#!*+&#B!!

5#(,'/(!J#+\$'(4!=!G!%##,'(4!/3!,1#!<1'.)!+()!A+%'.7!>,9)'#&!5#,#(,'/(!</%%',##!,/!*/(&')#\$! +*+)#%'*!+()F/\$!@\$/3#&&'/(+.!*/(*#\$(&!\$+'&#)!,1\$/941!+!>,9)#(,!5#3#\$\$+.B!C(!&9*1!%##,'(4&!,1#!) \$#3#\$\$%)!&,9)#(,!%+7!@\$#&#(,!0\$',#(!+()F/\$!2#\$-+.!'(3/%+,'/(!+()!#2')#(*#!,/!+))\$#&&!/\$!!\$#39,#! */(*#\$(&!+'&#)!-7!,1#!\$#3#\$\$+.B!G3,#!#2')#(*#!1+&!-##(!@\$#&#(,#)!+()!)'&*9&&#)!H'(*.9)'(4! 4+,1#\$'(4!/3!+))','/(+.!'(3/%+,'/(!'3!(#*#&&+\$7I8!,1#!</%%',#!&1+..!\$#()#\$!+!)#*'&'/(!01#,1#!)! ,1#!\$#3#\$\$%)!&,9)#(,K&!#(\$/...%#(,!'(!<1'.)!+()!A+%'.7!>,9)'#&!&1/9.)!-#!*/(,'(9#)!HO',1!/\$! 0',1/9,!*/()','/(&1!/\$!O',1)\$+O(B!!

>,9)#(,!5#3#\$\$+.!H+.&/!\$#3#\$\$#)!,/!&'%@.7!+&!+!5#3#\$\$+.I!=!G!O\$',#(!\$#3#\$\$+.!&9-%',#)!-7!+! 3+*9.,7F!&,+33!%#%-#\$!3/\$!+!&,9)#(,K&!3+'.9\$#!,/!+)1#\$#!,/!/(#!/\$!%/\$#!/3!,1#!<1'.)!+()!A+%'.7! >,9)'#&!6\$/3#&&'/(+.!>,+()+\$)&B!G!>#\$'/9&!5#3#\$\$+.!'&!+!>,9)#(,!5#3#\$\$+.!H/\$!\$#3#\$\$+.&!&9-%',#)! '()#@#()#(,.7!-7!%9.,'@.#!3+*9.,7F&,+33!%#%-#\$&I!,1+,!*/9.)!@/,#(,'+..7!L#/@+\$)'M#!+!&,9)#(,K&! #(\$/..#)!&,+,9&!+&!+!)#*.+\$#)!%+L/\$!/\$!%'(/\$!'(!<1'.)!+()!A+%'.7!>,9)'#&B!!

 $\begin{array}{l} 6\$/4\$+\%! > 9\&@\#(\&'/(! G!\&,9)\#(,!'\&!(/,!+-.\#!,/!@+\$,'*'@+,\#!'(!@\$+*,'*9\%!/\$!.+-!+*,'2','\#\&8!\\ @+\$,'*'@+,\#!'(!*9\$\$\#(,!*.+\&\&\$//\%!+*,'2','\#\&8!+()F/\$!\#(\$/..!'(!*9\$\$\#(,!+()!39,9\$\#!*.+\&\&\#\&!'(!,1\#!<1'.)! +()!A+\%'.7!>,9)'#\&!@\$/4\$+\%\&!! \end{array}$

<1'.)!+()!A+%'.7!>,9)'#&!6\$/3#&&'/(+.!>,+()+\$)&!H+.&/!\$#3#\$\$#)!,/!+&!<1'.)!+()!A+%'.7!>,9)'#&! >,+()+\$)&I!=!>,+()+\$)&!#:@#*,#)!/3!+..!<ANO!+()!EGOP<!@\$/3#&&'/(+.&8!/\$!,1/&#!01/!+&@'\$#!,/! -#}!!

!

*2/7802#B8>@4>=6018#%D9812623405#!

<1'.)!+()!A+%'.7!>,9)'#&!&,9)#(,&!+\$#!#:@#*,#)!,/!%+'(,+'(!1'41!&,+()+\$)&!-/,1!@\$/3#&&'/(+..7!+()!+*+)#%'*+..7B!O2')#(*#!/3!)#)'*+,'/(F*/%%',%#(,!+()!U9+.',7!/3!O/\$V!+\$#!,O/!%+L/\$!*\$',#\$'+!*/(&')#\$#)!3/\$!@\$/3#&&'/(+.!*/%@#,#(*#B!C(&,\$9*,/\$!#:@#*,+,'/(&!+()!*/9\$&#!@\$/*#)9\$#&!O'..!-#!)#,+'.#)!'(!,1#!&7..+-9&!3/\$!#+*1!<1'.)!+()!A+%'.7!>,9)'#&!*/9\$&#B!>,9)#(,&!O'..!+.&/!-#!#:@#*,#)!,/!-#!'(!*/%@.'+(*#!O',1!,1#!S('2#\$&',7!>,9)#(,!</)#!H&##!R>S!66W!X=YYI8!+()!+(7!(+,'/(+.!&,+()+\$)&!#&,+-.'&1#)!-7!,1#!!@@.'*+-.#!@\$/3#&&'/(+.!/\$4+('M+,'/(&!H#B4B8!E<A5!O,1'*+.!6\$'(*'@.#&!+()!D9')#.'(#&8!<ANO!>,+()+\$)&!Z!<\$',#\$'+8!EGOP<!</)#!/3!O,1'*+.!</()9*,8!EGOP<!>,+()+\$)&!3/\$!6\$/3#&&'/(+.!6\$#@+\$+,'/(IB!!

*2/7802#+808>>6;5#!

"1#!?#@+\$,%#(,!/3!<1'.)!+()!A+%'.7!>,9)'#&!0'..!+)1#\$#!,/!+()!3/../0!,1#!#&,+-.'&1#)!>,9)#(,!

3+*9.,7F&,+33!%#%-#\$&!+\$#!+9,/%+,'*+..7!3/\$0+\$)#)!,/!,1#!5#,#(,'/(!</%%',,##!3/\$! 6\$#.'%'(+\$7!5#2'#08!+()!0'..!-#!,\$#+,#)!+&!&,+,#)!'(!C,#%!Y!+-/2#B!!

* "#+82802340#, 4 = = 32288#.12340#=!"1#!5#,#(,'/(!</%%',,##!'&!\$#&@/(&'-.#!,/!\$#2'#0!&,9)#(,! @#\$3/\$%+(*#!+()!+&&9\$#!,1+,!<1'.)!+()!A+%'.7!>,9)'#&!>,+()+\$)&!+\$#!%+'(,+'(#)B!!

- _B 6\$#.'%'(+\$7!5#2'#0!=!W+L/\$!'&&9#&!+))\$#&&#)!'(!,1#!\$#3#\$\$+.H&I!0'..!-#!&9%%+\$'M#)!3/\$!,1#! </%%',,##!,/!)#,#\$%'(#!'3!,1#\$#!'&!&933'*'#(,!*+9&#!3/\$!</%%',,##!'(2/.2#%#(,B!!
- $\begin{array}{l} YB & 5\#,\#(,'/(!J\#+\$'(4!=!R1\#(!,1\#!</\%\%',\#!)\#,\#\$\%'(\#\&!,1+,!*/(*\#\$(\&!\$\#@/\$,\#)!'(!,1\#!) \\ & \#3\#\$\$+.!1+2\#!\&933'*'\#(,!\%\#\$',!,/!@/,\#(,'+..7!L\#/@+\$)'M\#!,1\#!\&,9)\#(,K\&!*/(,'(9+,'/(!'(!,1\#!))) \\ & <1'.)!+()!A+\%'.7!>,9)'\#\&!6\$/4\$+\%\&!+!5\#,\#(,'/(!J\#+\$'(4!0'..!+!*/()9*,\#)!'(!4\#(\#\$+.!))) \\ & */\%@.'+(*\#!0',1!R>S!\#\&,+-.'&1\#)!@\$/*\#)9\$\#\&B!G!5\#,\#(,'/(!J\#+\$'(4!'\&!+!R>S!<1'.)!+()!) \\ & A+\%'.7!>,9)'#\&!?#@+\$,\%\#(,!+*,'/(&!(/,!+!,#4+.!@$/*#\#)'(4B!!) \\ \end{array}$

 $\begin{array}{l} G!\$\#3\#\$\$! !\&,9)\#(,!0'...!-\#!(/,'3'\#)!-7!,1\#!*1+'\$!/3!,1\#!\$\#,\#(,'/(!*/\%\%',\#\#!'(!0\$','(4!+,!.\#+\&,!_`! O'))) \\ O/\$V'(4!)+7\&!-\#3/\$\#!,1\#!1\#+\$'(4!)+,\#!/3!1'\&F1\#\$!\$'41,!,/!+@@\#+\$!-\#3/\$\#!,1\#!</br>

(/,'3'*+,'/(!0'...!'(3/$\%!,1\#!&,9)#(,!/3!,1\#!)+,\#8!,'%#8!+()!@.+*#!/3!,1#!1#+$'(4!+()!'(2',\#!1'%F1#\$!")) \\ (/,'3'*+,'/(!0'...!'(3/$\%!,1\#!&,9)#(,!/3!,1\#!)+,\#8!,'%#8!+()!@.+*#!/3!,1#!1#+$'(4!+()!'(2',\#!1'%F1#\$!")) \\ (/,'3'*+,'/(!0'...!'(3/$\%!,1\#!&,9)#(,!/3!,1\#!),...,1\#!,1,\%!*,1,1#!)) \\ (/,'3'*+,'/(!0'...!'(3/$\%!,1\#!&,9)#(,!/3!,1#!),...,1#!)) \\ (/,'3'*+,'/(!0'...!'(3/$\%!,1\#!&,9)#(,!/3!,1#!)) \\ (/,'3'*+,'/(!)) \\ (/,'1,!!**,1,1!) \\ (/,'1,!!**,1,!!*) \\ (/,'1,!!**,1,!!**,1,!)) \\ (/,'1,!!**,1,!!**,1,!**,1,!)) \\ (/,'1,!!**,1,!!**,1,!**,1,!)) \\ (/,'1,!!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,!**,1,**,1,!**,1,!**,1,!**,1,**,1,!**,1,**,1,!**,1,**,1,**,1,**,1,!**,1,**,1,!**,1,!**,1,**,1,**,1,**,1,!**,1,**,1,**,1,**$

- %+'(,+'(!)#@+\$,%#(,+.!+*+)#%'*!&,+()+\$)&!
-)#%/(&,\$+,#!*/%%',%#(,!,/!.#+\$('(48!/@#((#&&!,/!(#0!')#+&8!+()!,/.#\$+(*#!3/\$!+%-'49',7!
-)#%/(&,\$+,#!*/%@#,#(*#!'(!+..!3/\$%&!/3!*/%%9('*+,'/(!H2#\$-+.8!(/(=2#\$-+.8!+()!0\$',,#(I!
- %+'(,+'(!+!@+,,#\$(!/3!%##,'(4!%'('%+.!\$#U9'\$#%#(,&!'(!*/9\$�/\$V!+()!3'#.)0/\$V!
-)#%/(&,\$+,#!+-'.',7!,/!+@@.7!V(/0.#)4#!+()!&V'..&!'(!*.+&&\$//%!&#,,'(4&!+()!'(!,1#! */%%9(',7!

1