

**!'##\$%&'()\*+(-. / (0121(3(4+56758#9'(\*)(  
: 57+\*97\*6\* ; 57'(!**

!!

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

\*\*\*\*\*E)2'R%! ]#%#%/J!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!<0.4\$4%)5,!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : : !F! B !F!=3=>F@3;>!F! "MEW! : : ?!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : ; !F! A !F!=3=>F@3;>!F! I ^GN! ? : : !

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : =!F! A !F! ; 3 ; @F=3?@!F! \_ ` \_ \_ ! ?!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : @!F! B !F! : : 3 : @F : ?3>@!F! "MEW! : : =>!

\*\*\*\*\*9 : : .0\* ; ) 26, '\* A B ! : !K! ; !1 7 !R% !N I O P ! => : !

\*\*\*\*\*! # \$%&'\*E)2'R%&#%#%/J + , - . - (\$ / - &# / )!

!!

!!!!!!!!!!!!!!a\$, \*! ] (-.\$\*!

\*\*\*\*\*<0.4\$4%)5,!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : ?!F! A !F! ? 3 ; >F ; 3 ? >!F! "MEW! : : ; <I !

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : <!F! M !F! =3=>F@3 ; >!F! I ^GN! ? : : !

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : <!F! M !F! =3=>F@3 ; >!F! I ^GN! ? : : !

\*\*\*\*\*9 : : .0\* ; ) 26, '\* A ! : >F : : ! : F ? ! B ! : !F ; !R% !N I O P ! ; >9!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! ! # \$%&'\*a\$, \*&\*(-.\$\* + , - . - (\$ / - &# / )!

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

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!<0.4\$4%)5!

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!; : X!F! B !F! @3=@F<3 ; @!F! b ` A P ! : : c 9 >!

\*\*\*\*\*9 : : .0\* ; ) 26, '\* " ##! \$5 - \#&!

\*\*\*\*\*! # \$%&'\*"#\$%&2'()%\* + , - . - (\$ / - &# / )!

\*!

+ )26,0\*9?@0.4%A0!

\*!

MOR2!, -)(2#!#[ \$ 7R%#2!'O#!5\$2R,!, -%, #1'2!-V!7R, (-#, -% - 7R, 2&!MO#!-58#, 'R\#R2!' -!/#\#. -1!\$%/!  
)%/#(2'\$%/R%S!-V!'O#!5#O\$\R-(!\$%/!'O#!R% '#(\$, 'R-%2!-V!R%/R\R/)\$.2L!VR(7 2L!\$%/!S-\#(% 7 #%'&! B #!  
QR..!/#\#. -1!5\$2R,!' --.2!'O\$'!, \$%15#!)2#/'! -!\$%\$.J6#!(#\$.!Q-(./!R22)#2!'O(-)SO!\$!7R, (-#, -% - 7R, !  
.#%2&!M-1R, 2!R%, .)/#/#'(7R%R%S!#, -% - 7R, !1(-5.# 7 2L!O-Q!, -%2) 7 #(\$%/!5)2R%#22#2!7 \$\*#!  
/#, R2R-%2L!O-Q!7 \$(\*#2!Q-( \*L!O-Q!'O#J!V\$R.!\$%/!O-Q!S-\#(% 7 #%'!\$, 'R-%2!\$V#,'!7 \$(\*#2&!

!!

<072%601\*B0C4!

d\$)..! ] ()S 7 \$% !\$%/!G-5R%!B #..2L!AR, (-#, -% - 7R, 2L!<'O!#/R'R-%L!?'>:DL!B -('O!d)5.R20#(2&!T%!  
\$/R'R-%L!J-)!%##/'!-!2RS%! )1!V-(!'O#!E, OR#\#!1.\$'V-(7!' -!, - 7 1.#'#!'O#!Q##\*.J!O-7 #Q-( \*!  
\$22RS% 7 #%'2&!MO#!E, OR#\#!1.\$'V-(7!1(-\R/#2!J-)!QR'O!\$, , #22!' -!'O#!#c -- \*&!

!!

D\$406%\$&!

\*!

T%!'OR2!, -)(2#!Q#!QR..!, -\#(!IOS1'#(2!;!K!::;!\$%/!IOS1'#(2!:@F:9!-V!'O#!#[ '5--\*&!"##!'O#!, -)(2#!  
2, O#/).#!V-(!7 -(#!/#'\$R.2&!!

\*!

E60\$>1) = 5\*) : \*F)%54,!

\*!

G#,R'\$'R-%3!:>e!

- E''#%/\$%, #!R2!(#U)R(#/!'\$'!(#,R'\$'R-%&!
- H-)!7 \$J!#%,,\*G!(#,R'\$'R-%!QR'O-)!'1#%\$. 'J!/) (R%S!'O#!2#7 #2'#(&!
- TV!J-)![ 1#(R#%, #!\$!1#(2-%\$.!(#\$2-%!, \$)2R%S!J-)!' -!7 R22!7 -(#L!, -%'\$, 'J-)(!ME&!

!!

^#,')(#!d\$(R,R1\$'R-%3!:>e!

- H-)!7 \$J!#%,,\*H!#,')(#2!'O(-)SO-)!'!O#!2#7 #2'#!(QR'O-)!'1#%\$. 'J&!!
- MOR2!R%, .)/#2!7 R22#/'!#, ')(#2!V-(!2R, \*%#22L!V\$ 7 R.J!#7 # (S#%, R#2L!#, &!

- TV!J - )!\$(#!#[1#(R#%, R%S!1#(2-%\$.!, R(, ) 72'\$%, #2!'O\$'!(#U)R(#J - )!' -!7R22!7 - (#!'O\$%!;! .#, ') (#2L!1.#\$2#!, -%'\$, '!7 #k!
- I.R, \*#(!U)#2'R-%2!QR..!5#!)'R.R6#/'! -!, O#, \*!V - (!1\$( 'R, R1\$'R-%!4!\$' '#% / \$%, #k!f'' '\$('R%S!R%!Q##\*! ?g!
- " #\$\$%&'\$( #)\$ \*k+, \$k - 'k. /#0\$12\$#+34+ . #4. 1&5#\$ '#40+k+, \$4+6\$7401&. &741&2+\$k+\$89\$. 2)0\*#!\$: 2)\$ %k'\$#+##6\$12\$345#\$4+\$k - 'k. /#0\$\*1)6#+1\$477\$4. . 2)+1;\$0#, &\*1#0\$92)0\$. 'k. /#0\$13#0#;\$4+6\$ 62%+'246\$4+6\$\*#1\$)7\$13#\$477\$ \$92)\$, #1\$12\$. '4\*\*!!
- M-!\$. OR#\#!1\$( 'R, R1\$'R-%!1-R%'2!V - (!\$/ \$J!J - )!QR..!%##/'! -!\$%2Q#(!\$..!5)'!-%#!, .R, \*#(! U)#2'R-%!1-2#/'!/) (R%S!.#, ') (#k!

b - 7#Q-( \*3! ?> e !

- b - 7#Q-( \*!QR..!5#!, - 71.# #/'!0(-)SO!'O#!hE, OR#\#Z!1(-S(\$7&!!
- MO#!&)=0,4\*4=)\*

- MO#2#!\$22RS% 7 #%'2!\$(#! 7 #\$\$'!' -!5#!, - 7 1.#'#/!5#V-(#!'0#!, -((#21-%/R%S!.#,')(#2&! MO#(#V-(#L!'0#J!QR..!5#!/)#!\$!Q##\*!5#V-(#!'0#!, -((#21-%/R%S!b B &!B/060\*=%&&\*?0\*5)\*&\$40\* \$.014\$5.08!
- P - '!, - 7 1.#'R%S!'OR2!QR..!%- '!0)('!J-)(!2, -(#&!!
- H- )!,\$%#!#\$(%!1!' -!@!1-R%'2!-%!J-)(!VR%\$.!#[ \$ 7 !K!RV!J- )!S#'!V)..!1-R%'2!V-(!\$..!#\$(%R%S! ,)(\#!\$22RS% 7 #%'2L!T!QR..!\$/!/@!1-R%'2!' -!J-)(!VR%\$.!#[ \$ 7 !2, -(#&!MOR2!\$ 7 - )%'2!' -!\$! 1-22R5.#!-V!:@ e !-V!#[ '(\$!,(#/R!'V-(!J-)(!-\#(\$..!S(\$/#&!
-

"/#%'2!\$%/!V\$,).!J!\$(#!(#21-%2R5.#!V-(!7\$R%'\$R%R%\$!\$%\$!11(-1(R\$#!.#\$(%R%\$!#%\R(-%7#%'!R%!\$..!  
R%2'()),'R-%\$.!2#!'R%\$2L!QO#'#O#(!R%!1#(2-%L!(#7-'#!-(!-%.R%#&!C\$R.)(#!'-\$/O#(#!'-'2),O!5#O\$R-(\$!  
2'\$%/\$(/2!7\$J!5#!2)58#,'!-!/R2,R1.R%#&!d(-V#22R-%\$.!,-)('#2J!\$%/!2#%2R'R\R'J!\$(#!#21#,R\$..J!  
R71-('\$%'!QR'O!(#21#,'!-!R%/R\R/)\$.2!\$%/'!-1R,2!/#\$.R%\$!QR'O!(\$,#!!,.-.(L!%'R-%\$.!-(R\$R%L!2#[L!  
1(#S%\$\$,JL!\$S#!!/R2\$5R.R'JL!,(##/L!(#.R\$R-%L!2#[)\$.!-(R#%'\$R-%L!S#%/#(R/#%'R'JL!S#%/#(!#[1(#22R-%L!  
\#'#(\$%!2'\$!)2L!1-.R'R,\$.!\$VVR.R\$'R-%L!-(!1-.R'R,\$.!1OR.-2-1OJ&!  
!

C-(!7-(#R%V-(7\$'R-%L!2##!'O#!,.\$22(-7!5#O\$R-(!1-.R,JL!'O#!'')/#%'!I-/#!-V!I-%/),!L!\$%/'!  
'O#!OVR,#!-V!T%2'R')'R-%\$.!NU)R'J!\$%/'!I-71.R\$%,#&!

**<072%60#054,\*:)6\*N5:0.4%)2,\*Q%,0\$,0,!**

A#75#(2!-V!'O#!I`!c-)./#(!,-77)%R'J!\$%/'!\R2R'-(2!'-\$,\$71)2!7)2!'V-...-Q!)%R\#(2R'JL!  
/#1\$(7#%'L!\$%/!5)R./R%\$!O#\$.'O!\$%/!2\$V#'J!(#U)R(#7#%'2!\$%/'!\$..1)5.R,!O#\$.'O!-(/#(2!'-'!(/),#!  
'O#!(R2\*!-V!21(#\$/R%\$!R%V#, 'R-)2!/R2#\$2#2&!!

MO#!I`!c-)./#(!,\$71)2!R2!),((#%'J!7\$2\*!-1'R-%\$.&!b-Q#\#(L!RV!7\$2\*2!\$(\$!\$S\$R%!(#U)R(#/!R%!  
,\$22(-72L!2')/#%'2!QO-!V\$R.!-\$/O#(#!'-'!7\$2\*%R%\$!(#U)R(#7#%'2!QR..!5#!\$2\*#/'!-!.\$#\#!,.\$22&!  
''')/#%'2!QO-!/!-!%-!.\$#\#!,.\$22!QO#%\$!\$2\*#/'!-(!QO-!(#V)2#!-'!,-71.J!QR'O!'O#2#!(#U)R(#7#%'2!  
QR..!5#!(#V#((#/'!-'!''')/#%'!I-%/),'!q!I-%V.R,'!G#2-.)'R-%&!'')/#%'2!QO-!(#U)R(#!\$,,-77-/\$'R-%!  
5#,\$)2#!\$!/R2\$5R.R'J!1(#\#%'2!'O#7!V(-7!V).VR..R%\$!2\$V#'J!7#2)(#2!(#.\$#/'!-!R%V#, 'R-)2!/R2#\$2#!  
QR..!5#!\$2\*#/'!-!V-...-Q!'O#!2'#12!R%!'O#!jE,,-77-/\$'R-%!V-(!WR2\$5R.R'R#2k!2'\$#7#%'!-%!'OR2!  
2J..\$5)2&!

C-(!'O-2#!QO-!V##.!R..!\$%/'!OR%\*!J-)!7RSO!'O\$\#!IO r TWF:D!-(!RV!J-)!O\$\#!'#2'#/!1-2R'R\#!V-(!  
IO r TWF:DL!1.#\$2#!2'\$J!O-7#!\$%/'!V-...-Q!'O#!V)'(O#(S)R/\$%,#!-V!'O#!d)5.R,!b#\$.'O!OVR,#&!C-(!  
'O-2#!QO-!O\$\#!5##%!R%!,.-2#!,-%'\$,'!QR'O!2-7#-%#!QO-!O\$2!IO r TWF:D!5)!/-!%-!'O\$\#!\$%J!  
2J71'-72!\$%/'!O\$\#!%-!'!#2'#/!1-2R'R\#!V-(!IO r TWF:DL!J-)!/-!%-!'!##/'!-!2'\$J!O-7#&

**F60:06601\*-421054\*R\$ # 0,\*\$51\*F6)5)25,!**

I `!c-)./#!(#,-S%R6#2!'O\$!'2')/##'2s!.#SS.!R%V-(7\$'R-%!/ -#2%\$!'\$.Q\$J2!\$.RS%!'QR'O!O-Q!'O#J!  
R/#%'RVJ&!'')/##'2!'7\$J!)1/\$#'!O#R(!1(#V#((#/%\$7#2!\$%/!1(-%-)%2!\R\$!'O#12')/##'1-('\$t!'O-2#!  
1(#V#((#/%\$7#2!\$%/!1(-%-)%2!\$(#!.R2'#/!-!R%2'()),'- (2s!,. \$22!(-2'#(2&T%!'O#!\$52#%,#!-V!2),O!  
)1/\$'#2L!'O#!%\$7#!'O\$!'\$11#\$(2!-%!'O#!,. \$22!(-2'#(R2!'O#12')/##'2!.#SS.!%\$7#&!

**:)5)6\*+)10!**

E..!2')/##'2!#%(-. #/!R%!\$!`%R\#(2R'J!-V!I-.-(\$/-!c-)./#!(-) (2#!\$(#!(#21-%2R5.#!V-(!\*%-QR%\$!  
\$%/!\$/O#(R%\$!'-'!O#!b-%-(!I-/#&!rR-.\$'R-%2!-V!O#!b-%-(!I-/#!'7\$J!R%,.)/#15)'!\$(#!%-'!R7'R'#/!  
'-3!1.\$SR\$(R2'7!FR%,.) /R%\$!)2#!-V!1\$1#(Q(R'R%\$!2#(\R,#2!-(!#,'0%-.-SJ!u2),O!\$2!#22\$J!5-'2vgl!  
,O#'\$R%SL!V\$5(R,\$'R-%L!.JR%SL!5(R5#(JL!'O(#\$'L!))%\$)'O-(R6#/'!\$, ,#22!'-\$,\$/#7R,!7\$'#(R\$.2L!,.R,\*#(!  
V(\$)/L!2)57R'R%\$!'O#12\$7#!-(!2R7R.\$(Q-(\*!R%!'7-(#!'O\$%!'-%#!,-) (2#!QR'O-)'!1#(7R2R-%!V(-7!\$.! !  
, -) (2#!R%2'()),'- (2!R%\-. \#/L!\$%/'!R/R%\$!\$, \$/#7R,!/R20-%#2'J&!!

E..!R%,R/#%'2!-V!\$, \$/#7R,!7R2,-% /), 'QR..!5#(#!1-('#/!'-'!')/##'!'I-% /), 'q!I-%V.R, '!  
G#2-.)'R-%3!O-%-(+,-.-(\$/-&#/)L!;>;F=D?F@>&!'')/##'2!V-)%/!(#21-%2R5.#!V-(!\R-.\$'R%\$!  
'O#!b-%-(!I-/#!QR..!5#!\$22R%#/#!(#2-.)'R-%!-)' , -7#2!V(-7!'O#!'')/##'!'I-% /), 'q!I-%V.R, '!  
G#2-.)'R-%!\$2!Q#..!\$2!5#!2)58#,'!-\$,\$/#7R,!2\$%, 'R-%2!V(-7!'O#!V\$,.)'J!7#75#(&!rR2R'!b-%-(!  
I-/#!V-(!7-(#!R%V-(7\$'R-%!-%!'O#!\$, \$/#7R,!R%'#S(R'J!1-.R,J&!!

**-0C2\$&\*D%,.)512.40\*Q%,.6%#%5\$4%)50\* ; \$6\$,., #054\*\$51\$)6\* <0&\$401\* <04\$&(\$4%)5!**

I `!c-)./#!(R2!, -77R'#/!'!-!V-2'(#R%\$!\$%R%,.)2R\#!\$%/'!Q#., -7R%\$!.\$\$(%R%SL!Q-( \*R%SL!\$%/'!R\R%\$!  
##%\R(-%7#%&!`%R\#(2R'J!1-.R,J!1(-OR5R'2!2#[!)\$.!7R2,-% /), 'fO\$(\$227#%'L!#[1.-R'\$'R-%L!\$%/'!  
\$22\$).!gl!R%'R7\$'#!1\$('%#(!\R-.#%,#!f/'\$'R%\$!-(!/-7#2'R,!R-.#%,#gl!2'\$.\*R%SL!1(-'#,'#/F,. \$22!  
/R2,(R7R%'R-%!\$%/'!O\$(\$227#%'L!\$%/'!(#.\$'#/!(#.\$'R%'R-%!5J!-(!\$\$R%2!'7#75#(2!-V!-)(!, -77)%R'J!  
-%!\$%/'!-VV!, \$71)2&!

!!

rR2R'!OTNI!V-(!-(!7-(#!R%V-(7\$'R-%!\$5-)'!)%R\#(2R'J!1-.R,R#2L!(#1-(R%\$!-1'R-%2L!\$%/'!2)11-(!  
(#2-)(,#2&!TV!J-)!5#R#\#J-)!7\$J!O\$ \#5##%12)58#,'#/!'!7R2,-% /), 'L!#7\$R.!OTNI!-(!,\$.!;>;F  
=D?F?:?9!

C\$,.)'J!\$%/'!S(\$)'\$'#!R%2'()),'- (2!\$(#!(#U)R(#/!'!-!R%V-(7!OTNI!QO#%'!O#J!.\$\$(%!'!-\$%J!R22)#2!  
(#.\$'#/!'-'!O#2#11-.R,R#2!(\$S\$/.#22!-V!QO#%!'-(!QO#(#!'O#J!-,.)((#/&!MOR2!#%2)(#2!'O\$'!R%/R\R/)\$\$.2!  
R71\$, #/!(#,#R\#R%V-(7\$'R-%!\$5-)'!O#R(!R\$O'2L!2)11-(!(#2-)(,#2L!\$%/'!(#2-.)'R-%!'-1'R-%2&!  
rR2R'!'O#!W-%Z!'TS%-(#T!'!1\$S#!'-!.\$\$(%!'7-(#!\$5-)'!(#1-(R%\$!\$%/'!2)11-(!-1'R-%2&!

!!

**<0&M%)2,\* ; )&#1\$L,!**

I \$ 7 1 ) 2 ! 1 - . R , J ! ( # S \$ ( / R % S ! ( # . R S R - ) 2 ! - 5 2 # ( \ \$ % , # 2 ! ( # U ) R ( # R ( # R % [ . 2 ( R ) 7 ! V % # ) [ . 2 ( R ) 7 J ! 1 % \* R R R J ! R [ . 0 . 2 ( S ! [ . 2 ( R ) 7 - ! / ) . 2 ( R )

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