

B D B C E

B

B B D
#%&' (!) (' * & +, - + \$. ' !
/ . ' - & % * - \$ & ! . 0 1 (' !
2 & (3 % (. * 4 ! !
5 . & \$ 6 6 1 (. - ! 6 + 1 + ' !

76-8\$%98!10. 4!

B

E

]60)+1 #!U\$%8\$\$. +0\$::@

P\$. IQ-0.)0&)!R\$-0-+\$. @5. &\$661 (. -!6+1 +S!EM@!!

!

D&(' (. -'!0. !\$=(&=(T!\$:(*\$6\$94!*\$=(&+. 9!; 0'+*!(*\$6\$9+*06!, &+. *+, 6('!0.)!-8(!&(60-+\$. '8+, !

; (-T((. !8%10. !0*-+=+4!0.)!-8(!*\$'4'-(1 '!-80-!'%, , \$&-!'@5Z01+. ('!8\$T!(*\$6\$9+*06!

, &\$*(' ('>!; \$-8!; +\$-+!<6+=+. 9?!0.)!0; +\$-+*!<. \$. !6+=+. 9?>+. :6%(. *(!-8(!6+: (!8+'-\$&4!\$;!+.)+=) %06'>!

, \$, %60-+\$. '>*\$1 1%. ++('>0.)!(*\$'4'-(1 '@5. *\$%&09('!'-%) (. -!+. =('-+90-+\$. !\$:(. =&\$\$. 1 (. -06!

+ . -(&0*-+\$. '!0.)!8\$T!8%10. !+. :6%(. *(!)+'-%&; 0. *(!+'!80, +. 9!-8(!(. =&\$\$. 1 (. -@R(3%&())!:+(6)!

-&+, '!+66%'&0-(!-8(!%'(!\$:(*\$6\$9+*06!*\$\$. *(, -'!0'!-\$6'!:\$&!+. -(&, &(-+. 9!6\$*06!. 0-%&06!8+'-\$&4@

<Q01 (!0'S![5P1Q!](#)"MEF?!

B

!

B!

B

C

C

U0=+)!#0&6\$. !

5=(&4!Q, &+. 9@!5. &\$661 (. -!6+1 +S!AM@!!

!

X84!+!-8(!96\$; 06!*6+10-(!*80. 9+. 9!0.)!8\$T!T+66!; +\$6\$9+*06! 4' -(1 '!&(' , \$.)W!/. *6%) ('! (*-+\$. '!)

\$. !*6+10-(!'4'-(1 '!0.)!*6+10-(!*80. 9(>!&(*\$. '-&%*-. 9!0. *(. -!*6+10-(!'0.)!, 0' -!; +\$6\$9+*06!

&(' , \$. ' ('>!, &())+*-. 9!:%-%&(!*6+10-(!'0.)!; +\$6\$9+*06!&(' , \$. ' ('>!*6+10-(!, \$6+4>!-8(!. (&94!*&+ '+>!

0.)!, \$-(. -+06! '\$6%-+\$. 'd/. *\$&, \$&0-(!'0!:(T!:+(6)!-&+, '!0.)!60; \$&0-\$&+('!) ('+9. ()!-\$!66%' -&0-(!

0, , &\$0*8('!-\$!*6+10-(!*80. 9(!'*(. *(!0-!-8(!*(66%60&>!, 84'+\$6\$9+*06!0.)!(*\$6\$925 Tf[()89. 92c(68)-0. 4. '<9006(

1 %-0(' -2\$7*30--' -2\$7*89)/,%-%.) *2''&*: \$. 2'',/; 2-4-050-*6,%-%.)*(%\$0*(%' \$/0/*

B

C

V0)6(4!V\$&*8!

5=(&4!2066@5. &\$661 (. -!6+1 +S!BE@!!

!

5Z01+. ('!:%.)01 (. -06!*\$\$. *(, -'!+. !. (%&\$; +\$6\$94!:&\$ 1!-8(!1 \$6(*%60&!-\$!-8(!' 4' -(1 '!6(=(6@

Y\$, +'!+. *6%) (!. (%&\$. 06!*\$ 1 1%. +*0-+\$. >9(. (!&(9%60-+\$. >1 \$&, 8\$6\$94>!. (%&\$. 06!) (=6\$, 1 (. ->!

OZ\$. !9%+)0. *(>1 (*80. +' 1 '!\$!:!. (%&\$. 06!, 60' -+*+4>' (. '\$&4!' 4' -(1 '>0.)!-8(!1 \$6(*%60&!; 0'+!\$!:!

; (80=+\$&!0.)!)+' (0

89)/,%-%.) *2" &*: \$. 2" ,/; 2-4-050-*6,%-%.) *(\$%0*(%' \$/0/*

B **C** **E**

C0&&4!c\$90. !

5=(&4!Q, &+. 9@!5. &\$66 1 (. -!6+1 +S!BE@!!

!

5Z01+. ('!-8(!:%. *-+\$. 06!0--&+; %-(!'!\$:!, 60. -'!0.)!-8(!10. . (&!+. !T8+*8!-8(4!=0&4!0*&\$''!-8(!, 60. -! 0+. 9)\$ 1!; 4!-8(!, &\$*((' ('!\$:!(=\$6%-+\$. !0.)!0**6+10-+\$. @Y\$, +*!\$:!:\$*%'!+. *6%) (!, 8\$-\$'4. -8('+'! 0.)!, &\$-(*-+\$. !090+. !8+98!6+98-'-&('!'>-8(!0*3%'+ +\$. !0.)!)+' -&+; %-+\$. !\$:!T0-(&!0.)!1+. (&06! . %-&+(. -'>0.)!(. =+&\$. 1 (. -06!0.)!8\$& 1 \$. 06!*\$. -&\$6!\$:!) (= (6\$, 1 (. -@Q, (*+06!-\$, +*!')+' *%' ' (!) ! 104!+. *6%) (!, 60. -!, 0&0' ++' 1>!*0&. +=&\$4>-8(!&+9+. '!0.)!, &(' (. -!' -0-(!\$:!09&+%6-%&(>!, 60. -! &(' , \$. ' ('!-\$!96\$; 06!*6+10-(!*80. 9(>!, 60. -!6+; (!+. !(Z-&(1 (!(. =+&\$. 1 (. -'>0.)!-8(!+1, 0*-'!\$:!6\$*06! 60.)!%' (!8+'-\$&4!\$. !, 60. -!*\$ 1 1%. ++(' @#\$. -(1, \$&0&4!&(' (0&*8!+. '-&% 1 (. -0-+\$. !+'!%' (!) !+. ! T((064!60; \$&0-\$&+('>' \$ 1 (!*\$.)%*-(!) !+. !-8(!:+(6)>-(! (. 0; 6(!: &' -180.)!(Z, 6\$&0-+\$. !\$:! , 8(. \$ 1 (. 0!)+' *%' ' (!) !+. !6(*-%&(@<Q0 1 (!0' [S!5P\]Q!AAAB?!](#)

!

D&(&(3%'+ ('S![C/Jc!" "MA!\\$&!C/Jc!" "ML!\\$&!D60*\(1 \(. -!+. !C/Jc!AMMM!6\(=\(6@](#)

B **C** **C** **A** **H**

U0. +(6!D\$T(66!

5=(&4!Q, &+. 9@!5. &\$66 1 (. -!6+1 +S!BE@!!

7. !(Z01+. 0-+\$. !\$:!0. +106!:%. *-+\$. >:&\$ 1!-8(!*(66%60&!-\$!-8(!&\$90. +' 106!6(=(6@Y8(!%.) (&64+. 9! *\$. * (, -'!0&!(1, 80'+\()>0'!0&(!-8(!Z, (&+1 (. -06!)0-0!-80-!'%, , \$&-!*%&&(. -!%.) (&' -0.)+. 9!\$:! 0. +106!:%. *-+\$. @Y\$, +*!'+. *6%) (!-8(!. (&=\$%'!'4'-(1>8\$& 1 \$. ('>!(' , &0-+\$. >!*+*%60-+\$. > \$' 1 \$&(9%60-+\$. >)+9(' -+\$. >0.)!-8(& 1 \$&(9%60-+\$. @c0; '!0&(!'8\$&->'-%) (. -1) ('+9. (!, &\$[(*-'!

!

!

<(%-%.)*2"&<5%-' #,%""(%\$0*(%' \$/0/*

B

B

E

D0-&*+0!N\$. ('dHO&4!R\$906'0+!

5=(&4!2066@5. &\$661 (. -!6+1 +S!BE@!!

!

5*\$6\$94>-8(!'-%)4!\$:!8\$T!\$&90. +' 1 '!+. -(&0*-!T+8!(0*8!\$-8(&!0.)!-8(+&! (. =+&\$. 1 (. ->!
+. *\$&, \$&0-('!-\$, +'!'&\$ 1 !8\$T!\$&90. +' 1 '!*\$, (!T+8!(. =+&\$. 1 (. -06!' -&(' '\$&'!-\$!96\$; 06!*0&; \$.!
*4*6+. 9@7))&('' (!*%&&(. -!3%(' -+\$. '!+. !(*\$6\$94>:&\$ 1!96\$; 06!*80. 9(!-\$!:\$)\$)! (*%&+4!-\$!+. =0' +=(!
' , (*+'@c(*-%&('>60; '>, &+1 0&4!0.)!, \$, %60&!6+ (&0-%&!(1 , 80'+\(!8\$T!' *+(. -+'-'!%' (!-8(!- (. (-'!
\$:(*\$6\$94!-\$!0))&('!'*%&&(. -!(. =+&\$. 1 (. -06!+'%' ('@c0; '>)+ '*%'+'\$. '!0.)!0*-+=++('!:\$*%'!\$. !
, &0*-+*06!0, , 6*0-+\$. '!\$:(*\$6\$9+*06!-8(\$&4!' *+(. -+;*!T&+. 9!0.)!)0-0!0. 064+'!\$. !-\$, +'!'%'*8!0'!
, 60. -!+. ' (*-!+. -(&0*-+\$. '>!0 1 , 8+; +0. !) (*6+. (>+&= (&!& (' -\$&0-+\$. !0.)!. 0-%&06!8+' -\$&4@<00 1 (!
0'S!5P]Q!AAAG?

!

D&(&(3%+' + ('S!C/Jc!""MA!\$&!C/Jc!""ML!\$&!5P]Q!AAM"!<'0 1 (!0'!C/Jc!""EK!0.)!#!#V5H!""ME?!"\$&!

D60*(1 (. -!+. !C/Jc!AMMM!6(=(6@

*

!

""|

B

E

]60)+1 +&!U\$%8\$\$. +0\$::@

5=(&4!J-8(&!2066@!5. &\$661 (. -!6+1 +S!"A@!

B

!

"^|

B

E

E

B

D0-&*+0!N\$. ('dU0=+)!#0&6\$. !

5=(&4!Q, &+. 9@!5. &\$661 (. -!6+1 +S!"F@!!

!

2\$*%' ('!\$. !&(' (0&*8!1 (-8\$)'!+. !:+(6)!; +\$6\$94>&(0)+. 9!-8(!, &+1 0&4!6+ (&0-%&>!0.)!-&0+. +. 9!+. !

'*+(. -+:+*!T&++. 9!0.)!, &(' (. -0-+\$. >!*0&(&'!+. !(*\$6\$94>0.)!. (Z-!'-(, '!-\$!, %&'%. 9!-8\$' (!*0&((&'@

D&(, 0&('!'-%) (. -'!:\$&!, &\$)%*-+(!:%-%&!&(' (0&*8!(Z, (&+. *('!. !0&(0'!\$;!(*\$6\$94>1 0&+. (!

!

"K!

B

U0. +(6!D\$T(66!

5=(&4!Q, &+. 9@!5. &\$661 (. -!6+1+S!"E@!!

!

7. !0)=0. * ()!' (1+. 0&!: \$*%' +. 9!\$. !\$. (!\$&! 1 \$&(!0', (*-'!\$:!. (%&\$' *+(. * (>' %*8!0'!. (%&\$\$. 06!
&(9(. (&0+\$. !0.)!) (= (6\$, 1 (. ->1 \$) %60+\$. !\$:!. (%&\$\$. 06!0* -+=+4>!\$&!-8(!. (%&06!; 0'+!'!\$:!
; (80+=&\$@Q-%) (. -'!&(0)!0.)!)+' *%' '\$&+9+. 06!, 0, (&'!:&\$ 1!-8(!6+ (&0-%&(@<Q0 1 (!0'S!P5bR!BBAE?!
!

D&(&(3%'+ ('S!C/Jc!A"BE!<' 01 (!0'!P5bR!A"BE?!\$&!&u>C/Jc!AEEB!<' 01 (!0'!P5bR!AEEB?!
\$&!&u>C/Jc!AEFF!<' 01 (!0'!P5bR!AEFF?!\$&!&u>C/Jc!AEKK!<' 01 (!0'!P5bR!AEKK?!\$&!&u>DQe#!AGEM!<' 01 (!
0'!P5bR!AGEM?!\$&!&u>DQe#!AGGE!<' 01 (!0'!P5bR!AGGE?@

B

V0)6(4!V\$&*8@

5=(&4!2066@!5. &\$661 (. -!6+1+S!"E@!!

!

Y8(!*\$\$. ' (3%(. * ('!\$:!. (%&\$\$. 06!)0109(!+. !8%10. '>(' , (*+0664!+. !-8(!; &0+. !0.)!' , +. 06!*\$&)>0&(!
:&(3%(. -64!) (=0' -0+. 9!0.)!, (&10. (. -@/. =(&- (; &0- ('>\$. !-8(!\$-8(&!80.)>0&(!\$:- (. !*0, 0; 6(!\$:!
*\$1, 6(-(!:%. *-+\$. 06!&(9(. (&0+\$. @5Z0 1+. ('!-8(!=0&+)!&(' , \$. ' ('!-\$!. (%&\$\$. 06!+. [%&4!+. !0!&0. 9(!
\$:!' , (*+(' @Y\$, +*'!+. *6%) (! (%&\$\$. 06!&(9(. (&0+\$. !+. !, 60. 0&+0>!. ' (*-'>0 1, 8+; +0. '>0.)!
101 106' @Q-%) (. -'!&(0)!0.)!)+' *%' '\$&+9+. 06!, 0, (&'!:&\$ 1!-8(!6+ (&0-%&(!+. !0. !0-- (1, -!-\$!
%.) (&' -0.)!-8(!; 0'+!'!\$:!-8(!&0)+*0664!)+: (&(. -!&(9(. (&0+=(!&(' , \$. ' ('!1 \$%. -())!; 4!0!=0&+(-4!\$:!
. (%&\$\$. 06!' 4' -(1 '@<Q0 1 (!0'S!P5bR!BBAL?!
!

D&(&(3%'+ ('S!C/Jc!A""A!\$&!&u>C/Jc!A"A^!\$&!&u>C/Jc!A"BE

B **E** **G**
]60)+1 +&!U\$%8\$=. +0\$::!
P\$. 10-0.)0&!

