!

!

!

"#$%!& ' ( ) *! ' +! ' " , * (!*&&*) "- . *!# (*#/
0#$*1!) ' +$* (. #"- ' +! 2 *#$3 (*$!!

!

!

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

AOK!) J@JDGJ@!) C@HKBRJAGC@! #BKJH! (K I CBAG@Z! J@D! "BJF_G@Z! $MHAKV!])#("$^7! aOGFO!GH! AOK! IBGVJBM! HCEBFK! CQ! G@QCBVJAGC@! QCB! @JAGC@JX! BK I CBAG@Z! AC! AOK! 4 1U#! J@D! C@!) J@JDJiH! I BCAKFAKD!JBKJ/BKXJAKD!FCVVGAVK@AH!E@DKB!AOK!) 01?!

"OK!)) *#! ZEGDJ@FK! GDK@AGQGKH! _KM! ABJGAH! J@D! AOBKHOCXDH! CQ! KQQKFAGRK@KHH! AOJA! FC@HKBRJAGC@! JBKJH! J@D! VKFOJ@GHVH! HOCEXD! OJRK7! G@! AOK!) J@JDGJ@! FC@AK`A7! AC! JFOGKRK! AOK! G@/HGAE! FC@HKBRJAGC@! CQ! SGCDGRKBHGAM!]DKQG@KD! JH! hAOK! FC@HKBRJAGC@! CQ! KFCHMHAKVH! J@D! @JAEBJX! OJSGAJAH! J@D! AOK! VJG@AK@J@FK! J@D! BKFCRKBM! CQ! RGJSXK! I C I EXJAGC@H! CQ! H I KFGKH! G@! AOKGB! @JAEBJX! HEBBCE@DG@ZHh^?! "OK! ZEGDJ@FK! IBGVJBGXM! JDDBKHHKH! I CAK@AGJX!KQQKFAGRK@KHH!CQ!ACCXH7!SJHKD!C@!AOKGB!ABJGAH7!BJAOKB!AOJ@!BKJXGgKD! KQQKFAGRK@KHH!iC@!AOK!ZBCE@Di?!

! : DD><@A*G<6C ; =>=P**

- (KFCZ@GgG@Z! AOKHK! JBKJH! JH! J@! ' *) 2 ! aJH! FC@HGDKBKD! J@! GV I CBAJ@A! HAK I ! AC! K@HEBK! AOJA! AOKM! JBK! BGZOAQEXXM! G@FXEDKD! G@! @JAGC@JX! BK I CBAH! J@D! XGHAKD! G@! AOK! 4 1U#?!!
- -A! aCEXD! SK! DKHGBJSXK! AC! BKFCZ@GgK! AOKV! JH! ' *) 2 H! AC! BJGHK! AOKGB! I BCQGXK! J@D! AOKBKSM! XKHHK@! AOK! BGH_H! AC! AOKGB! KFCXCZGFJX! J@D! FEXAEBJX! G@AKZBGAM7! J@D! XC@Z/ AKBV!HKFEBGAM?!
- -A! aJH! JH_KD! aOKAOKB! BKFCZ@GAGC@! CQ! HEFO! J@! JBKJ! JH! J@! ' *) 2 ! VGZOA! OKX I ! GA! AC! ABJ@HGAGC@! AC! SKFCVG@Z! J! I BCAKFAKD! JBKJ! E@DKB! AOK! BGZOA\JI I BC I BGJAK! FC@DGAGC@Hj! -A! aJH! QKXA! AOJA! AOGH! JI I BCJFO! aCEXD! SK! EHKQEX! G@!)CXCVSGJ7! QCB!

"OK!QCXXCaG@Z!AaC!_G@DH!CQ!JBKJH!DC!@CA!VKKA!AOK!DKQG@GAGC@!CQ!J!IBCAKFAKD!JBKJ?!"OK!QGBHA! ZBCEI! GH! DKHFBGSKD! JH! SKG@Z! FC@HKBRKD! AOBCEZO! HKFC@DJBM! RCXE@AJBM! FC@HKBRJAGC@7!G?K?!FC@HKBRJAGC@!CEAFCVKH!JBK!

. : ; 9*7G<=A* : E*59>58!$ESdKFA!AC!VCBK!G@!DK I AO!FC@HGDKBJAGC@7!AOK! I JBAGFG I J@AH8!!

- !AC a JBDH!BKFCZ@GgG@Z!JH! ' *) 2 H!JBKJH!AOJA!KHHK@AGJXXM!VKKA!AOK!_KM! KXKVK@AH! CQ! AOK! -3)+! I BCAKFAKD! JBKJ! DKQG@GAGC@7! K`FK I A! QCB! CQQGFGJX! BKFCZ@GAGC@7! SKFJEHK! AOK! BKXKRJ@A! ZCRKB@VK@A! JZK@FM! DCKH! @CA! aJ@A! AC! BKFCZ@GgK!GA!JH!J! I BCAKFAKD!JBKJ?!"OGH! a JH!FC@HGDKBKD!GV I CBAJ@A!JH!J!VKJ@H!AC! K@HEBK!AOK!JBKJH!JBK!BKFCZ@GgKD!J@D!AC! I BCVCAK!AOKGB!HKFEBGAM7!J@D!HOCEXD!SK! DC@K!JH! I JBA!CQ!J!SBCJDKB! I EHO!AC!K@FCEBJZK!ZCRKB@VK@AH!AC!BKFCZ@GgK!JBKJH! AOJA!VKKA!AOK! I BCAKFAKD!JBKJ!DKQG@GAGC@!JH! I BCAKFAKD!JBKJH!]K`FK I A! a OKBK!AOK! ZCRKB@J@FK!JEAOCBGAM!BKdKFAH!AOK!XJSKX^?!!
- !AC a JBDH!G@FXEDG@Z! JH! ' *) 2 H! JBKJH! AOJA! VKKA! JXX! KXKVK@AH! CQ! AOK! I BCAKFAKD! JBKJ! DKQG@GAGC@7! K`FK I A! QCB! CQQGFGJX! BKFCZ@GAGC@7! SKFJEHK! AOK! ZCRKB@J@FK! JEAOCBGAM! I BKQKBH! AOK! JBKJ! @CA! AC! SK! BKFCZ@GgKD! JH! J! I BCAKFAKD! JBKJ?!"OGH! a JH! FC@HGDKBKD!GV I CBAJ@A! AC! I BCRGDK! BKFCZ@GAGC@! J@D! HE I I CBA! QCB! AOK!JBKJ7!SEA! a CEXD!HAGXX!BKbEGBK!FC@HK@A!CQ!XJ@DC a @KBH?!!
- JSCEA! JBKJH! DKHFBGSKD! JH! DKXGRKBG@Z8! J^! HKFC@DJBM! RCXE@AJBM! FC@HKBRJAGC@7! J@D! S^! J@FGXXJBM! FC@HKBRJAGC@?!

&<6 : DJ5@GMC>* 56@G I G@G>AP* "OK! ZBCE I ! DGHFEHHKD! a OKAOKB! GA! a CEXD! SK! EHKQEX! AC! XGHA! H I KFGQGF! AM I KH! CQ! JFAGRGAGKH! AOJA! JBK! FC@HGDKBKD! G@FCV I JAGSXK! a GAO! ' *) 2 H?! -@! AOGH! FC@AK`A7! AOK! ZBCE I ! BK VJG@KD! H_K I AGFJX! JSCEA! AOK! FC@HKBRJAGC@! RJXEK! CQ! J! BJ@ZK! CQ! ]@C@/K`OJEHAGRK!J@D!@C@/K`FXEHGRK^!JBKJH!HESdKFA!AC!G@DEHABGJX!EHKH!G@FXEDG@Z8!!

- &CBKHABM7!G@FXEDG@Z!FKBAGQGKD!QCBKHAHm!
- *`ABJFAGRK!FC@FKHHGC@Hm!
- "KV I CBJBM!QGHOKBM!FXCHEBKHm!J@D!
- *`FXEHGC@! gC@KH! DKDGFJAKD! AC! @JAGC@JX! HKFEBGAM! J@D! CAOKB! _G@DH! CQ! VGXGAJBM! JBKJH?!

(G<8C>*AJ>6G>A8!"OKBK! a JH!J!ZBC a G@Z!FC@HK@HEH!AOJA!HG@ZXK!H I KFGKH! VKJHEBKH!AOJA!DC! @CA! JDDBKHH! AOK! aGDKB! OJSGAJA! HOCEXD! @CA! SK! FC@HGDKBKD! ' *) 2 H7! AOCEZO! GA! a JH! BKFCZ@GgKD!AOJA!HCVK! I BCAKFAKD!JBKJH!HKA!E I ! aGAO!J! I BGVJBM!CSdKFAGRK!CQ! I BCAKFAG@Z!J! HG@ZXK!H I KFGKH!EHKQEXXM!FC@ABGSEAK!AC!J! aGDKB!HMHAKV!CQ! I BCAKFAKD!JBKJH!J@D! ' *) 2 H7! I BCRGDKD! AOJA! VJ@JZKVK@A! VKJHEBKH! BKbEGBK! AOJA! AOK! OJSGAJA7! J@D! FC@DGAGC@H! QCB! VJG@AK@J@FK!CQ!_KM!XGQK!FMFXK!HAJZKH7!QCB!AOJA!H I KFGKH!GH!VJG@AJG@KD!]G?K?!AOJA!FC@ABCX! C@!OJBRKHAG@Z!GH!@CA!AOK!HG@ZXK!VJ@JZKVK@A!VKJHEBK^?!

" I >9C5JJG<8*59>5A*5<=*MG : =G I >9AG@N* : EEA>@A8!"OK!ZBCE I ! JZBKKD!GA! a CEXD! SK! EHKQEX! AC! FXJBGQM! AOK! BKXJAGC@HOG I ! SKA a KK@! -0#H7! %0#H7! *0$#H! J@D! #k*H7! G@FXEDG@Z! JHHKHHG@Z! AOKGB!CRKBXJ I ! aGAO!-))#H7!HESdKFA!AC!QEBAOKB!DGHFEHHGC@H!JSCEA!AOK! I ESXGF!DGHFXCHEBK!CQ! FCVVE@GAM!XJ@DH7! a JAKBH!J@D!BKHCEBFKH?¨!-A! a JH!HEZZKHAKD!AOJA!VCBK!AOCEZOA!HOCEXD! SK!ZGRK@!AC!OC a!SGCDGRKBHGAM!CQQHKAH!VGZOA!SK!QGZEBKD!G@AC!AOK!KVKBZG@Z!QBJVK a CB_?

BKXJAK! AC! "JBZKA! T?L!'AOKBH7! HEFO! JH! AKVICBJBM! QGHOG@Z! FXCHEBKH7! VGZOA! SKHA! SK! G@FXEDKD!E@DKB!"JBZKA!>!?N!

N?! *&&*)"-.*+*$$!

N?=! 2#+#6*2*+"!#+1\'(!)'+$*(.#"-'+!*&&*)"-.*+*$$!

"JBZKA!==!HIKFGQGFJXXM!VK@AGC@H!KQQKFAGRK!J@D!KbEGAJSXK!VJ@JZKVK@A?! 2J@JZKVK@A! KQQKFAGRK@KHH! KRJXEJAGC@! QCB! IBCAKFAKD! JBKJH! GH! DKQG@KD! SM! ,CF_G@ZH! KA! JX?P!JH! nAOK! JHHKHHVK@A!CQ!OCa!aKXX!IBCAKFAKD!JBKJH!JBK!SKG@Z!VJ@JZKD!f!IBGVJBGXM!AOK!K`AK@A!AC! aOGFO! VJ@JZKVK@A! GH! IBCAKFAG@Z! RJXEKH! J@D! JFOGKRG@Z! ZCJXH! J@D! CSdKFAGRKH?o! "OK! AKBV! eVJ@JZKVK@A! KQQKFAGRK@KHHc! K@FCVIJHHKH! AOBKK! FCBK! JBKJH! CQ! QCFEH! G@! IBCAKFAKD!JBKJ!VJ@JZKVK@A8!

- 1KHGZ@!GHHEKH!BKXJAG@Z!AC!SCAO!G@DGRGDEJX!HGAKH!J@D!IBCAKFAKD!JBKJ!HMHAKVHm!
- #DKbEJFM!J@D!JII BC IBGJAK@KHH!CQ!VJ@JZKVK@A!HMHAKVH!J@D!IBCFKHHKHm!J@D!
- 1

JSCRK7! HAJAKVK@AH! CQ! FCVIXGJ@FK! aKBK! VK@AGC@KD! G@! AOGH! FC@AK`A! JH! SKG@Z! CQ! ICAK@AGJX!EHK?!

T?! 6 ' .*(+#+)*!q!' " ,*(!(*5*.#+"!U(-+)-U5*$!

' *) 2H! HOCEXD! KVSBJFK! J! aGDK! RJBGKAM! CQ! ZCRKB@J@FK! AMIKH7! J@D! HOCEXD! SK! DKHFBGSJSXK! J@D! JFFKIAKD! SM! AOK! BKXKRJ@A! FCVVE@GAM?! "OK! VKAOCDCXCZM! HKA! CEA! G@! UJBA! --! CQ! -3)+cH! aJH! IBCICHKD! JH! J! EHKQEX! VKAOCDCXCZM!QCB!JII XMG@Z!AC! ' *) 2H?!!

' @! CAOKB! IBCAKFAKD! JBKJ/BKXJAKD! IBG@FGIXKH7! J@D! aGAO! BKQKBK@FK! AC! AOK! HKFAGC@! JSCRK! C@! G@FCVIJAGSXK! JFAGRGAGKH7! C@K! IJBAGFGIJ@A! HEZZKHAKD! AOK! HKFC@D! IBCAKFAKD! JBKJ! IBG@FGIXK! GH! BKXKRJ@A7! @JVKXM8!

!

W?! ,-*(#(),-*$!#+1!"*(2-+'5'6:!

W?=! ,-*(#(),-*$!'&!)'+$*(.#"-'+!

"OK! ZBCEI! DKSJAKD! AOK! @CAGC@! CQ! OGKBJBFOM! SKAaKK@! IBCAKFAKD! JBKJH! J@D! ' *) 2H?! #A! QGBHA! AOKBK! aKBK! HEZZKHAGC@H! AOJA! ' *) 2H! HOCEXD! SK! FJHA! JH! SKG@Z! HKFC@DJBM! AC! IBCAKFAKD! JBKJH7! aOGFO! VGZOA! IBCVCAK! JBKJH! JHIGBG@Z! AC! eZBJDEJAKc! QBCV! ' *) 2H! AC! IBCAKFAKD! JBKJ! HAJAEH?! OEA! G@! XGZOA! CQ! AOK! QJFA! AOJA! JXX! ' *) 2H! aCEXD! @KFKHHJBGXM! OJRK! AC! IBCRGDK! KQQKFAGRK! FC@HKBRJAGC@!]HESdKFA! AC! AOK! DGHFEHHGC@! JSCRK! JSCEA! VJ@JZKVK@A! CB! FC@HKBRJAGC@! KQQKFAGRK@KHH^7! AOK! ZBCEI! FC@RKBZKD! C@! AOK! FC@FKIA! AOJA! IBCAKFAKD! JBKJH! J@D! ' *) 2H! FCEXD! CFFEIM! AOK! HJVK! BJ@ZK! CQ! FC@HKBRJ

- (KFJXX!AOK!

- $ESVGA!AC!AOK!)01!$KFBKAJBGJA!J@!EIDJAK!CQ!CEB!aCB_!AC!DJAK!G@!AGVK!QCB!GA!AC!SK!G@FXEDKD!G@!J@!G@QCBVJAGC@!DCFEVK@A!JA!0""#/;<!]#IBGX7!2C@ABKJX7^m!
- ,CHA!J!HGDK!KRK@A!JA!0""#/;<m!
- #DRJ@FK!CEB!AOG@_G@Z!G@!.GXV!]L<!9E@K!/!N!9EXM^!J@D!JA!AOK!4))!]$KIAKVSKB7!,JaJGiG^7!SM!AKHAG@Z!KRCXRG@Z!ZEGDJ@FK!JZJG@HA!J!BJ@ZK!CQ!HIKFGQGF!FJHK!HAEDGKH!CQ!ICAK@AGJX!'*)2Hm!
- UBCRGDK!AOK!$KFBKAJBGJA!J!QEBAOKB!EIDJAK!C@!CEB!IBCZBKHH!ACZKAOKB!aGAO!J!FC@HEXAJAGC@!DBJQA!AC!SK!FGBFEXJAKD!AC!UJBAGKH!QCB!FC@HEXAJAGC@!IBGCB!AC!)'U/=L!]1KFKVSKB7!)J@FE@^m!
- ,CHA!J!HGDK!KRK@A!JA!AOK!)'U!AC!EIDJAK!IJBAGKH!J@D!CAOKB!G@AKBKHAKD!ZBCEIH!JSCEA!CEB!aCB_!J@D!BKXJAKD!4))!CEAFCVKHm!!
- ,CHA!J!HGDK!KRK@A!JA!AOK!(J

#++* [!-8