



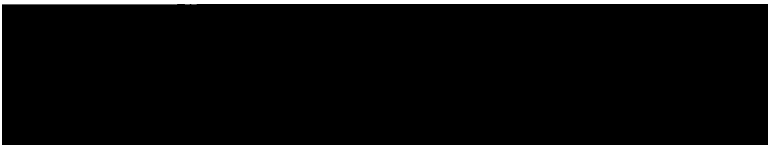
!
!

-"C\$%) &'D, '-\$. /"&\$'%&() #* +\$%) &'

(

!78; 057(B046?(' 6=0*(

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC



!
 (
 \$9651:09(<90; 371(90<2 = = 05; 0; (:29(6<<0>765<0(:92=(27@09(35173787325J1LS(3:(6>>?3<6D?0I(J' 270*(\$@090(31(
 6(3=37(2:(U(10=01709(<90; 37(@2891(6??2P0; (:29(496; 8670(<90; 37(79651:09IL*((

!
 !
 !
 !
 !

(
 #90; 371(72(D0(6>>?30; (72P69; (50P(=6N290; 04900(>92496=(:92=(>90V3281(BG(=6N29J1LS(3:(65K(J! 00(
 6>>?3<6D?0(9048?673251(10<7325(:29(901793<73251L*(

!
 !
 !
 !
 !
 !
 !

! 0>697=057(#@639(2:(' OP(M6N290I 04900(F92496=(#2 = =0571*(

!
 !
 !
 !
 !

!34567890(2:(I 0>697=057(#@639(2:(' OP(M6N290I 04900(F92496=*(

(
 ~~~~~  
 (

- "C\$%) &' \$I #""', 'H# + /. + \$"" - \$. /%' -'

00A80171(:92=(6D2V0(10<73251(496570; \*(

X\*&! !! N#!! \*&@('!9.'5!&#2\*!45%+1\*&R&\*!4#22\*+'&J!! !

!  
 !  
 !  
 !  
 !

!34567890(2:(I 065(29(E112<3670(I 065(2:(7@0(#2??040(2:(R96; 8670(!78; 301\*(

(  
 ~~~~~  
 (

P O Bo College of Graduate Studies
 Beaumont Texas Llama



- "C\$%) &' () . # , 'CI + &H'" (' * +F) #') ((%C'"

!"#\$%&'(")*+&'\$, -./+0&\$)1&222222222222222222&30"/+4&
5(")*+&'\$, -./+0&671&222222222222222222222222222222222222&38/"89&"),+4

- "C\$%) &'(%J", ',) ((%C'"') (%&\$"#&+\$%) &+K'" / . C+\$%) &' + &' / - "#J% C" - "
L%<521<35;8<39'-5M42<5B') <9N0'

F*4*.7*)!.+!?!//.4*!#/#!P+ '*\$+%'.#+%!Q) (4%' .#+%!)!K*\$7.4*&!#%!WWW!R)'%*J!

F*4*.7*)!@0!WWW!R&'%/!+%2*J!

(
(

#"H. K+\$) #P%&() #* +\$%) &' + &' / '%&\$"#&+K') ((%C'" /) C. * "&\$+\$%) & ,'

(

E>>?3<6D?0(9048?673251*((

=*\$). '&!/ \$ # 2!8\$. # \$! YZ! 2%3# \$ & :) *1\$*!8-%+&!2%0!@*!%88-.*)! #9%)!'5*!+*9!) *1\$*!#+-0!9.'5!%88\$#7%!
#/'5*!+*9!) *8%' 2*+'!45%.\$!HN<'!5*!1\$%) (%*!) *%+>[5*+!&(45!4\$*).'&!%\$*!%88-.*)!'#9%)!'5*!+*9!
) *1\$*!6!'5*0!2 (&!@*!8%'!#/'5*!+*9!) *1\$*!&!%44*8*!)! *1\$*!8-%+!#&!&(@&'%+'.%-0!* , (.7%-*+'!#!
4#(\$&*!&'08.4%-0!\$* , (.\$*)!#/'5*!) *1\$*!>

!

K' () * + ' ! 2 (&' ! 2 * * ' ! %) 2 . & & . # + ! \$ * , (. \$ * 2 * + ' & ! # / ! ' 5 * ! + * 9 ! 2 % 3 # \$:) * 1 \$ * ! 8 \$ # 1 \$ % 2 ! ' # ! % 8 8 - 0 ! / # \$! ' 5 . & !
45%+1*>!

!

K' () * + ' & ! # + ! % 4 %) * 2 . 4 ! 8 \$ # @ % ' . # + ! 2 % 0 ! ' \$ % + & / * \$! # ! % !) . // * \$ * + ' ! 1 \$ %) (% * ! 8 \$ # 1 \$ % 2 ! 9 . ' 5 ! ' 5 * ! % 8 8 \$ # 7 % - ! # / ! ' 5 * !
) * 8 \$ ' 2 * + ' ! 4 5 % . \$! # / ! ' 5 * ! + * 9 ! 8 \$ # 1 \$ % 2 ! @ (' ! 9 . - ! \$ * 2 % . + ! # + ! 8 \$ # @ % ' . # + ! (+ . ! = AVH ! & ! M > \ ! # \$! @ * ' * \$ > !

!

K' () * + ' & ! # + ! % 4 %) * 2 . 4 ! & (& 8 * + & . # + ! 2 % 0 ! @ * ! %) 2 . ' ' *) ! # ! % + # ' 5 * \$! 1 \$ %) (% * ! 8 \$ # 1 \$ % 2 ! # + - 0 ! / ' * \$! ' 5 * 0 ! 5 % 7 * !
4#28-**)!'5*.\$!&(&8*+&.#+!'*\$2>!

!

%570956?(&::3<0(1 2<8=05767325(J6>>92>93670(2::3<01S(>?0610(?317(!; 670(<2>K(2:(<2=>?070; (; 2<8=057(
P61(90<03V0; L*(

CJ!A\$%) ('*!K' () . * & ! WWW!R&'%/!+%2*J!

LJ!F*4#&)&?//.4*!#/#!P+ '*\$+%'.#+%!Q) (4%' .#+%!)!K*\$7.4*&!#%!WWW!R)'%*J!

MJ!K' () * + ' ! " . * ! 9 . ' 5 . + ! N * 9 ! < * 8 \$ ' 2 * + ' ! % +) ! ? -) ! < * 8 \$ ' 2 * + ' ! WWW!R&'%/!+%2*J!

OJ!=5%+1*!#/#!E%3#&!\$?//.4*!#/#!P+ '*\$+%'.#+%!Q) (4%' .#+%!)!K*\$7.4*&!#%!WWW!R)'%*J!

]J!/?//.4*!#/#!P+ '*\$+%'.#+%!Q) (4%' .#+%!)!K*\$7.4*&!#%!WWW!R)'%*J!