F e Sc o A Hi d S o a Sc o

S N A

A

B

B

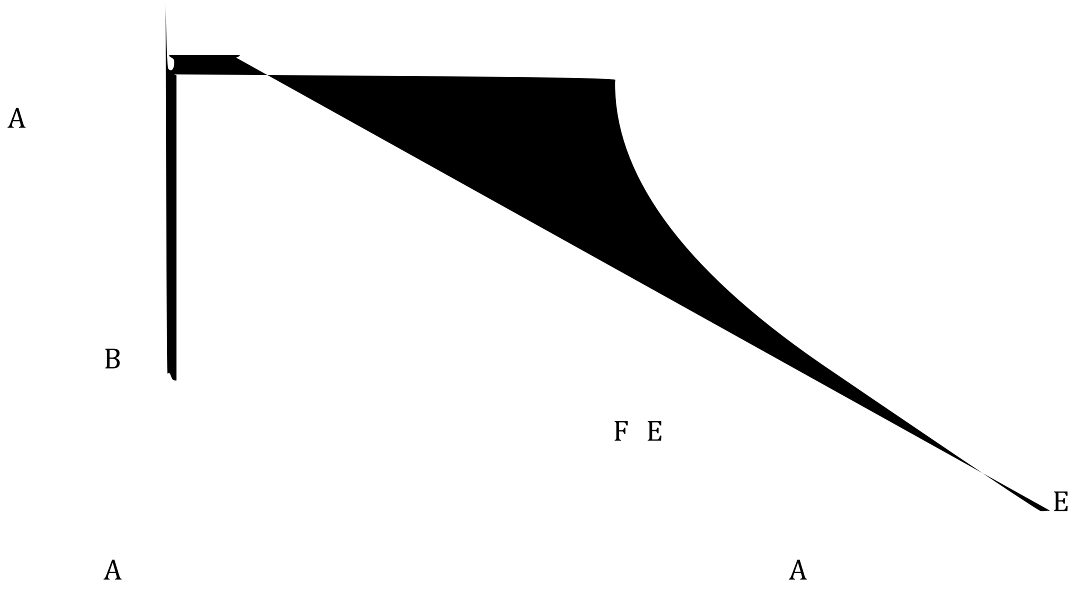
A

A

B

F
B

!


A
B
F E
E
A
A

A

C
A
F
A

!

	C A A D
B	E B A AA F A A
	A A A A B
F	A C C B
A	A

P ***A*** [redacted]

A

P ***M a*** [redacted]

A

A B

▪

▪

A

B
E

F
D

A
D

E
C
▪
E A

A
C
A

D

A

A

A
E
EA
A EA

B

A

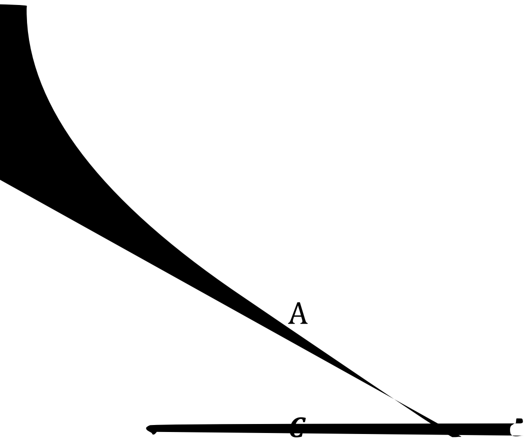
A

B

C

E

A C
A
A


A
C

A

B

A

F +02)+02(#+26#5%2)027'(#)%#:%()'&#()&%28'&#5%22'5)0%2(#,')I''2#02()0)7)0%2(#%:#
/08/'&#;'+&2028#+26#5%1 1720)0'(#+5&%((#)/'#()+)'K#

L&%406'(#>;+(?+2(#I0)/#%G)0%2(K#

R'4'&+8'(#'Q0()028#+26#(0820:05+2)#024'()1'2)(#02#,&+26028#+26#1+&?')028K#

L&%1%)'(#/08/'&#&+)'(#%:#804028-#,'5+7('#6%2%&(#+&'#1%&'#;0?';"#)%#804'#)%#)/'0&#
;%5+;#7204'&(0)"#)/+2#)%#+#7204'&(0)"#("()'1K#

L&%1%)'(#+;71 20#(7GG%&)-#,'5+7('#+;71 20#+&'#1%&'#;0?';"#)%#()+"#'28+8'6#I0)/#
)/'#02()0)7)0%2#)/''"#?2%I#+26#;%4'-#&+)/'&#)/+2#I0)/#+#7204'&(0)"#("()'1K#

! ++'0&:3".0"607."#&;/-<7"

. /+25';;%&(#I%&?#)%8')/'&#)%#(7&8[illegible]5+;;"#&'67[illegible]+26#)%#:026#
2+)7&+;#5%2(%;06+)0%2(#)/+)#8'2'&+[illegible]'#5%()#(+4028(#1[illegible]&+)0%2#+26#I0)/#
)/'#;'+()#&'675)0%2#02#'2&%;;1'2)K#

. %2(%;06+)0%2(#+&'#'5%2%105+;;"#6[illegible]&04'2#+26#+#5%;;+,%&+)04'#G[illegible]2#
)/'#5/+25';;%&(#+)#+;;#)/&''#7204'&([illegible])0'(K#

S0()%&05+;;"-#0)#0(#(75/#5%2[illegible](%;06+)0%2(-#&+)/'&#)/+2#5%2(%;06+)0%2[illegible]
01G%('6#,"#)/'#G&'(06'2)-[illegible])/+)#/+4'#(755''6'6#02#(+4028#1%2'"#+26[illegible]
1+02)+02028#()76'2)#+55'[illegible]K#

B

AA E

AF E #

A

#

#

B0.4-./&,"A$.$'4"#&;/-<7".3'0$<3".34"60-70'./$%" 8 094,"

. 7&&'2);"#'+5/#7204'&(0)"#0(#&'U70&'6#M I 0)/%7)#+#('&405'#+8&'' 1 '2)N#)%#7('#)70)0%2#+26#&'('+&5/# 6%;;+&(#)%#(7GG%&)#+#;+&8'#()+)' I 06'#+6 1 020()&+)04'#720)# I 0)/#'QG'260)7&'(#'Q5''6028#VWW F K#

#

X 0)/#5/+28'(#02#7204'&(0)"#G%;05"#%&#()&75)7&'#)/'#. %2(%&)07 1 # F %6';#5%7;6#&'+;0P'#)/'#:%;;% I 028# %,T'5)04'(-#8'2'&+)028#+660)0%2+;#5%()#(+4028(Y#

, - . /0 . 123!42315/0- . ! - 6!787/2 9 : 032!5 - 7/7! ; . 3! ; 330/0- . ; <!2=>< - 4 ; /0- . ! - 6!5 - 7/!
7? ; 40 . @! ; </24 . ; /0A27!/?4 - 1@?!B2 ; 3!C . 0A2470/8! ; . 3! , - . 7 - 4/01 9 ! ; >>4 - ; 5?27D!
E . 542 ; 72! - 6!/10/0- . ! ; /!CFG!H ; . 3!> - 770 I <8!2<72 : ?242J!/ - ! 9 ; /5?!/10/0- . !4 ; /27!
; /!>224!0 . 7/0/1/0- . 7!
E . 542 ; 72!0 . !3- . ; /0- . 7! ; . 3!72> ; 4 ; /2!2 . 3- : 9 2 . /7!/?4 - 1@?!42@0- . ; <!> ; 4/ . 247?0>7!
; 7!2 ; 5?!1 . 0A2470/8!07!>24 9 0//23!/ - ! 9 ; . ; @2!0/7! - : . !6 - 1 . 3 ; /0- . ! ; 55 - 1 . /D!

$+57;)"#()&%28;"#(7GG%&)#)/0(#+GG&%+5/#%4'&#)/'#G&'(06'2)J(#O2'#=204'&(0)"# F %6';-#&'5%820P028#)/'#(0820:05+2)#)/&'+)(#/0(# 1 %6';#G%('(#)%#+55&'60)+)0%2-#()76'2)H:+5028#('&405'(-#+26# 022%4+)0%2K#

#

#

>2#>(('((1 '2)#%:#

#

#/-<,4" ! : : '49/.&./0 -";4'7$7"

23'44"#4+&'&.4" ! : : '49/.&./0 - 7"

"

#

F4:0%%4-9&./0-"01".34"5 !"F47.'$:.$'/-<"60%%/..44"10'".34"!'.7E"G$%&-/./47E"&-9"
@&.$'&,"&-9"#0:/&,"#:/4-:47""

>787()#Af-#ACDB#

E/'#>787()#Df#.%1G+5)#(082'6#,"#3%4'&2%&#g72;'+4"#+26#!%+&6#%:#9'8'2)(#./+0&#@%/2#g+40'(#G&%406'6#&';0':#:&%1#)/'#I%&()H5+('#(5'2+&0%#%:#57)(#+26#8+4'#=>#+#h8;06'#G+)/i#)%#1+2+8'#6'5;02028#()+)'#(7GG%&)K#j2#&'(G%2('#)%#)/'#@7;"#fC#1%)0%2#G+(('6#,"#)/'#!%+&6#%:#9'8'2)(-#L&'(06'2)#@%/2('2#5/+&8'6#)/'#<)+)'I06'#.%1 10))''#%2#>&)(-#S71+20)0'(-#+26#*+)7&+;#+26#<%50+;#

F&./0-&,4"10'"H,/94"B&.3"B,&-""

##

E/'#=204'&(0)"#%:#>;+(?+#0(#2%#;%28'&#:+5028#+#57)#%:#VDfWF K#<)0;;-#I '#17()#+66&'((#)/'#G&%(G'5)#%:#+#VAW F#&'675)0%2#02#()+)'#:726(#)/0(#"'+&#I 0)/#)/'#G&%(G'5)#%:#+2#+660)0%2+;#V_W F#&'675)0%2#02#:726(#)/'#:%;;% I 028#) I %#"'+&(K#>#VbC F#57)#%4'&#)/&''#"'+&(#2'5'((0)+)'(#)/'#('&0%7(#5%2(06'&+)0%2#%:#()&75)7&+;#5/+28'(#)%#)/'#7204'&(0)"#("()' 1#+5&%((#)/'#()+)'K#

##

304'2#)/'#8&+40)"#%:#)/'#5/+28'(#)/+)#17()#,'#5%2(06'&'6-#+26#)/'#G%)'2)0+;#:%&#/+&1-#I '#(/%7;6#+;;% I #)01'#:%&#'406'25'H,+('6#6'50(0%2#1+?028#+26#+#I ';;H02:%&1'6#+26#5%2(06'&'6#+GG&%+5/#)%#+;;#%G)0%2(K#

##

S+()"#6'50(0%2(#5%7;6#&'(7;)#02Y#

##

- R%((#%:#+55&'60)+)0%2#:%&#02604067+;#G&%8&+1(#%&#:%&#)/'#7204'&(0)"#
- *'8+)04'#01G+5)(#)%#()76'2)(#0:#G&%8&+1(#++&'#';01 02+)'6#%&#5%2(%;06+)'6#
- <0820:05+2)#6'5;02'(#02#'2&%;;1'2)#
- R%((#%:#/08/;"#U7+;0:0'6#:+57;)"#+26#()+::#
- =22'5'((+&"#57)(#)%#G&%8&+1(#+26#%::'&028(#
- R%((#%:#)&7()#+26#&';'4+25'#I 0)/#%7&#;%5+;#5%11720)0'(#+26#'240&%21'2)(D#

##

!'5+7('#)/'#VbC F#&'675)0%2#I 0;;#,'#(G&'+6#%7)#%4'&#)/&''#"'+&(-#I '#/+4'#)01'#)%#1+?'#()&75)7&+;#5/+28'(#02#+#)/%78/):7;-#I ';;H02:%&1'6#I +"K#X'#/+4'#,''2#804'2#+#h8;06'#G+)/li#I '#(/%7;6#7('#0)K#

#

234"Q0&'9"01"F4<4-.7"730$,9"'47:/-9".34"+0'./0-"01".34/'"R$,("OLE"KLIS"%0./0-"9/'4:./-<".34" +'47/94-."0"+'4+&'4"&"7.'&.4</:"&++'0&:3".0":0%T/-/-<"&:&94%/:":0,,4<47"&-9"7:300,7" &:'077".34".3'44" 8 !57"U#4:./0-"KV"&-9".0"+$'7$4"7/-<,4"&::'49/.&./0-"01".34"5-/;4'7/.("01" !,&7W&"U#4:./0-"OVD"

#

j2#%&6'&#)%#1+?'#+2#'406'25'H,+('6#6'50(0%2#+,%7)#7204'&(0)"#()&75)7&'-#)/'#(028;'#+55&'60)+)0%2#G;+2#2''6(#)%#,'#(7,T'5)#)%#+#G&%5'((#%:#6'4';%G1'2)#+26#'4+;7+)0%2#)/+)#024%;4'(#++#5%1G+&0(%2#I 0)/#+;)'&2+)04'#1%6';(#%:#&'()&75)7&028K#E/0(#I 0;;#'2(7&'#)/'#8&'+)'()#,'2':0)(#)%#()76'2)(#+5&%((#>;+(?+#I /0;'#,'028#5%820P+2)#%:#02+250+;#&'+;0)0'(K##

#

*%)+,;"-#)/'#&'5'2)#+))'1G)#+#1'&8'&#%:#G7,;05#)I%H"'+&#5%;;'8'(#02#)/'#<)+)'#%:#.%22'5)057)#G&%406'(#+2#01G%&)+2)#I +&2028K#`4'2#+:)'&#5%2(06'&+,;'#5%()H,'2':0)#+2+;"(0(#+26#G;+22028-#)/'#+GG;05+)0%2#:%&#+55&'60)+)0%2#:%&#)/0(#5%1G;'Q#1'&8'&#%:#17;)0G;'#02()0)7)0%2(#I +(#&'T'5)'6#,"#)/'#+55&'60)028#5%110((0%2#,'5+7('#)/'#G;+2#:+0;'6#)%#h'2(7&'#10201+;#60(&7G)0%2#)%#()76'2)(i#+26#

#

23/7"(4&'"U ! JKLV"&-9".34"10,,0X/-<".X0"(4&'7"U ! J"KI"&-9"KKVE"X/.3"&++'0;&,"1'0%".34" Q0&'9"01"F4<4-.7E",0:&,"&9%/-/7.'&./0-"730$,9"%&W4":$.7"&."4&:3"&9%/-/7.'&./;4"$-/.".0" %44.".34"T$9<4."730'.1&,,"X3/,4"%&/-.&/-/-<"74+&'&.4"/-7./.$./0-&,"&::'49/.&./0-7D""

#

j2#@7;"-#)/'#5/+25';;%&(#+26#G&'(06'2)#G7)#:%& I +&6#,768')(#:%&#+#5%;;'5)04'#VDfWF#02#+5&%((#)/'# ,%+&6#57)(#)%#)/'0&#&'(G'5)04'#720)(K#E/'('#,768')#G&%G%(+;(#5+2#('&4'#+(#)/'#()+&)028#G%02)#:%&# 6'4';%G028#+#G;+2#I0)/#:+57;)"#+26#()+::#8%4'&2+25'#)%#1'')#)/'#VAWF#(/%&):+;;#)/0(#"''+&#+(#I';;# +(#)/'#&'675)0%2(#+2)050G+)'6#02#)/'#2'Q)#)I%#"''+&(K#.%;;'5)04';"-#)/'#,768')#G&%G%(+;(#(7,10))'6#)%#)/'#,%+&6#02#@7;"#57)#VWCF#02#+61020()&+)0%2K#E/0(#(788'()(#)/+)#,')I''2#)/'#)/&''#7204'&(0)0'(# +26#)/'#()+)'I06'#+61020()&+)0%2-#57)(#5%7;6#,'#(7()+02'6#67&028#$^AC#)/+)#:%&#)/'#1%()#G+&)#6%# 2%)#60&'5);"#01G+5)#+5+6'105#G&%%8&+1(K#E/0(#+GG&%+5/#0(#)/'#1%()#G&76'2)#%G)0%2#)%#G&%406'# 10201+;#60(&7G)0%2#)%#()76'2)(K##

#

g7&028#>^AC-#'+5/#+61020()&+)04'#720)-#02#5%;;+,%&+)0%2#I0)/#0)(#:+57;)"-#()+::-#+26#()76'2)(-# (/%7;6#6'4';%G#+#,768')#G;+2#)%#&'(G%26#)%#)/'('#57)(#67&028#)/'#2'Q)#)/&''#"''+&(K#E/'#:0&()#"''+&# M$^ACN#(/%7;6#+4%06#57)(#)%#+5+6'105#G&%%8&+1(K#E/'#('5%26#M$^ADN#+26#)/0&6#"''+&#M$^AAN# (/%7;6#(''?#)%#+4%06#60(&7G)028#()76'2)(n#+5+6'105#G&%%8&+1(#+(#175/#+(#G%((0,;'#)/&%78/#)/'# 01G;'1'2)+)0%2#%:#17)7+;;"#+64+2)+8'%7(#5%;;+,%&+)0%2(-#G+&)2'&(/0G(-#+26#5%2(%;06+)0%2(#%:# G&%8&+1(#+5&%((#)/'#("()'1K##<75/#+2#+GG&%+5/#1+"#'1G/+(0P'#)/'#8&'+)#+64+2)+8'(#%:# 1+02)+02028#('G+&+)'#7204'&(0)"#+55&'60)+)0%2(K##

#

</%7;6#)/'#!%+&6#%:#9'8'2)(#'4'2)7+;;"#6'506'#02#:+4%&#%:#+#G;+2#%:#(028;'#+55&'60)+)0%2-# 5%2(%;06+)0%2(#)/+)#+&'#01G;'1'2)'6#,"#)/'#('G+&+)'#F>=(#I0;;#1+?'#)/'#)&+2(0)0%2#)%#+#(028;'# 7204'&(0)"#;'((#60(&7G)04'#)%#()76'2)(K##.%2(%;06+)0%2(#+;(%#I0;;#G%('#;'((#%:#+#)/&'+)#)%#7204'&(0)"# +55&'60)+)0%2K##

#

Y/.3".34"$-94'7.&-9/-<".3&."&"Z[L8":$."X/,,"'4\$/'4"70%4"10'%"01":3&-<4"/-"/-7./.$./0-&," 7.'$:.$'4E".34"Q0&'9"01"F4<4-.7"730$,9"/-/./&.4"&"+'0:477"10'".34"94;4,0+%4-."&-9" 4;&,$&./0-"01"'47.'$:.$'/-<"+,&-7D""

#

X'#&'5%11'26#)/+)#67&028#)/'#>^AC-#+;)'&2+)04'#&'()&75)7&028#G;+2(#+&'#6'4';%G'6-#025;76028#+# 5%1G&'/'2(04'#5%()H,'2':0)#+2+;"(0(#%:#'+5/#+;)'&2+)04'#+26#+#6')+0;'6#+55%72)#%:#/%I#'+5/# 1%6';#(+)0(:0'(#5%11%2#5&0)'&0+#:%&#'4+;7+)028#'+5/#+;)'&2+)04'K##

#

X'#&'5%11'26#)/+)#)/'#:%726+)0%2+;#5&0)'&0+#:%&#'4+;7+)028#)/'('#G;+2(#(/%7;6#,'#()76'2)#+55'((# +26#'Q5';;'25'#02#)'+5/028-#&'('+&5/-#+26#G7,;05#('&405'K#E/'#G;+2(#6'4';%G'6#G&'(71+,;"#I%7;6# 025;76'#)/'#h*'I#=>i#(028;'#+55&'60)+)0%2#G;+2#+26#)/'#)/&''H7204'&(0)"#5%2(%&)071#1%6';#,7)# %)/'&#G;+2(#1+"#,'#6'4';%G'6#+26#'4+;7+)'6#67&028#)/0(#)01'K###

#

L;+2(#%&0802+)028#:&%1#+5+6'105#G&%%8&+1(#'QG&'((028#17)7+;#6'(0&'#:%&#&'()&75)7&028#(/%7;6#,'# '25%7&+8'6-#025'2)040P'6#+26#804'2#G&':'&'25'K###

#

g7&028#>^AD-#+#G&%5'((#%:#'4+;7+)0%2#%:#)/'('#+;)'&2+)04'#G;+2(#(/%7;6#)+?'#G;+5'-#7)0;0P028#)/'# 5&0)'&0+#6'4';%G'6#67&028#>^ACK#E/0(#G&%5'((#%:#'4+;7+)0%2#(/%7;6#'26#I0)/#+#6'50(0%2#,"#)/'# ,%+&6#&'8+&6028#)/'#01G;'1'2)+)0%2#%:#%2'#%:#)/'('#G;+2(K#E%#,'()#G&%)'5)#)/'#02)'8&0)"#%:#)/'#=># ("()'1-#+55&'60)+)0%2#&'40'I#+)#=>$#(/%7;6#G&%5''6#I0)/%7)#025;76028#(7,()+2)04'#5/+28'#:%&# 5%2(%;06+)0%2#)%#+#(028;"#+55&'60)'6#02()0)7)0%2K#*%)'#)/'#%7)5%1'#%:#)/'#.%22'5)057)#(028;'# +55&'60)+)0%2#5%2(%;06+)0%2#+,%4'Y#j:#=>#+))'1G)(#+&'#(0100.2-)0.2-.2(")]TJETQq.24000.2412589.92cmBT50002

g 7&028#> ^ AA-#)/'#0 1 G;' 1 '2)+)0%2#%:#)/'#(';'5)'6#G;+2# 1 +"#, '802K#j:#)/0(#024%;4'(#+# 1 %4'#
)% I +&6(#(028;'#+55&'60)+)0%2#0)#0(#67&028#)/0(#"'+&#)/+)#+GG;05+)0%2(#:%&#)/'#(7, ()+2)04'#5/+28'#
G&%5'((# 1 08/)#, '802K##
"
"
#   #

` 26%&(' 1 '2)(#

>((%50+)'#g'+2#%:#$02'#>&)(#+26#S71+20)0'(#
=204'&(0)"#%:#>;+(?+#>25/%&+8'#
#
<01%2#>K#c+))'2/%&2-#L/KgK#
g0&'5)%&#+26#L&%:'((%&#%:#3'%;%805+;#<50'25'(#
=204'&(0)"#%:#>;+(?+#>25/%&+8'#
#
c'402#c&'02#
L&%:'((%&#%:#L/0;%(%G/"#
=204'&(0)"#%:#>;+(?+#<%7)/'+()#
#
>26&'+#g'I''(-#L/g#
>((%50+)'#L&%:'((%&#%:#<G+20(/#
=204'&(0)"#%:#>;+(?+#<%7)/'+()#
#
.;+760+#R+1G1+2-#L/g#
L&%:'((%&#%:#L("5/%;%8"#
o05'#L&%4%()#:%&#<)76'2)#<755'((#
=204'&(0)"#%:#>;+(?+#>25/%&+8'#
#
g+406#SK#*%%2#
L&%:'((%&#%:#S0()%&"#
=204'&(0)"#%:#>;+(?+#<%7)/'+()#
#

. /+26+#RK# F ''?-#L/ g#
>((%50+)'#L&%:'((%&#+26# . /+0&#
g 'G+&) 1 '2)#%:#L%;0)05+;#<50'25'#

>((%50+)'#L&%:'((%&#
./+0&-#<%50+;#<50'25'(#
=204'&(0)"#%:#>;+(?+#<%7)/'+()##
#
>;'Q+26'&#S0&(5/#
g0&'5)%&-#S%2%&(#L&%8&+1#
>((%50+)'#L&%:'((%&-#g'G+&)1'2)#%:#L%;0)05+;#<50'25'-#+26#>&5)05#+26#*%&)/'&2#<)760'(#
=204'