

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

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

!"#\$%&'()\*+,-./0-1.(-2((-3(4'  
#\$%&'()\*+,-./0!  
12345!()6378!9377)6:3±!  
>?)40@!<"#; 'A<#=#!  
0B23C@!0:3\*+2\*2DC07E,0D750:0-6!

!./" , \*.)!!%\* &- , "&- \$)

.77375245!>:)F077):!GH640!A\$A7D45J!  
5+),6+" 78#9+",#6:-'5+),6+";"<9+,-'= #,,<>"#'  
K0L2:5B045!)F!>:)F0773)42C!M)6470C34N!O!M)CC0N0!)F!1\*304\*0!24-!P02C5?!  
#\$%&'()\*+,-./0!  
12345!()6378!9377)6:3±!

Q373534N!>:)F077)2462:R!A\$A92R!A\$A<J!  
5+),6+"78#9+",#6:-'5+),6+";"<9+,-'= #,,<>"#'  
K0L2:5B045!)F!>:)F0773)42C!M)6470C34N!O!M)CC0N0!)F!1\*304\*0!24-!P02C5?!  
#\$%&'()\*+,-./0!  
12345!()6378!9377)6:3±!

.-S64\*5>:)F077):GH2462:R!A\$A7D:62:R!A\$A<J!

0<\$6<"<B'./#\* <, <G/:'#8'(<>8,+\* <"!H>\$&6#<8'I'4>G+"9#G.6N1675!A\$AAJ!  
X43/0:735R!)F!9377)615!!()637!GM.MV&>!2\*\*:0-3502845!()6378!9377)6:3!  
K3770:5253)4@!V073C304\*0!34!^C2\*+!904586700205?  
?55L7@``3:C'6B7C'0-6`-3770:5253)4`""%!  
K:!92:R!&-,348!K3770:5253)4!M?23:!]!.-/37):!

;"&H>&6+'(+ "6#B#\$&6+'#8'."<F"&J!9&\*>&6#<8'&8H(!)0.7 /TT1 1 Tf 6>3(X4)-1 (3)-2 (M821 (<8')-1F/2 (./#)-.+8'  
+-1 (#)-1 (<8')-1 (&8H(!)0.7 /TT1 1 Tf 6>3(X4)-1A(<F)-1 (")-A (")-A 19.)-11(&)-1 (<>&64.033 0 Td (K12.896 0 T  
;"&H>&6+'(7C'A86(8!)-2 (K3)(4")-1 9)-1 9) 162.2411s8'&J!9&1 >>BDC -0 (V)1 (D3 >>BDC)-2 (04)-1 (\*0!)!7241



(&)\*+,-!D8!92:5348!M!GW\*5)D0:!A\$A\$J!a4\*):L):2534N!5:26B2!,:+!34!76L0:/370450!25!A\$A\$!  
Y):5?!M0452C!.77)\*3253)4!F):!M)6470C):!&-6\*253)4!24-!16L0:/373)48!V022782k\*24\*0C0-!-60!  
5)!MWQd!kk!

M)+0:8!.'8!92:5348!M!8!93CC(&)\*+,-!D8!>26C8f!G.L:3C!A\$A\$J!i)B04!24-!5?0!L:2\*53\*0!)F!70CF  
\*047):7?3L@!aBLC3\*253)47!F):!\*6470C):!0-6\*25370450!25!.B0:3\*24!M)6470C34N!  
.77)\*3253)4!A\$A\$M)4F0:04\*0!)!&[L)8!124!K3008FY482\*24\*0C0-!-60!5)!MWQd!kk!  
(&)\*+,-!DG.L:3C!A\$!M!D2534N!\*)440\*53)4!34!2!5?0:2L0653\*!:0C25370450!-6:34N!D:02+)65!  
70773)4!25!A4462C!mM9PM!|^0R)4-n!Q3:562C!M)4F0:04\*08!M?3\*2N)8!aCC34)37

8-&"1+,%/#"\*\*(-#%+)

(&)\*+,-!D24-li?3508!&!V06N675!A\$A\$U:26B2!24-!X:D24!b)65!M)>:070450:8250,2R!1\*304\*0!  
. \*2-0BR8!12345!()637897)6!B

9 2:5348!M8)\*+,-!D8!24-li?3508!&!V10D:62:R!A\$AAJ!90452C!P02C5?!16BB35!M)4300!24-!  
>:070450:8!U:6B24!15250!X43/0:735R8!j3:+7/3CC08!9377)6:3

92:5348!M(8)\*+,-!DG92:\*?!A\$A\$J!T)750:34N!OFF3\*2\*R@!U:26B2!,:+!34!76L0:/370450!24-!  
d:30F!24-!U:26B2!9343)4F0:04\*08!X43/0:735R!)F!9377)6:38!12345!()63789

(&)\*+,-!DGT0D:62:R!A\$A\$J!U3B0!B242N0B045!>:070450!25!>)4\*0!X43/0:735R)637897)63!

.38!b'88)\*+,-!D1\*)558!1'8!&N0C?)70C78!Y!G10L50BD0:!A\$="J!U?0!756-045!L0:7L0\*53\*0!)4!)4C340!  
\*)6:70!-073N4!>240C375!25!5?0!T)\*67!)4!U02?\*34N!24-!U0\*?4)C)NR!M)4F0:04\*08!X43/0:735R!)F!  
9377)6:38!12345!()63789)6:3!

M)+0:8!.'K'8!92:5348!M8)\*+,-!D8!>26C8f!GH640!A\$="J!^C2\*+!,)B04!24-!5?0!L:2\*53\*0!)F!70CF  
\*047):7?3L!^:02+)65!70773)4!L:070450-!25!5?0!M:))0-!V))B!M)4F0:04\*08!12345376378!9

(&)\*+,-!DG92R!A\$="J!U3B0!B242N0B045!>:070450!25!>)4\*0!X48!2735R)637897)6!B

9#4(\* /6+:) /";(#.+<#."./=#\*%+)

(&)\*+,-!D-G10L50BD0:!A\$="J!^C2\*+!,)B048!-0L:0773)48!24-!763\*3-0@!a5!7!53B0!5)!?02C!a4/350-!>240C375!  
12345!()637897)6!B

i3CC32B78!M8C7)48!j!8!d):-048!(8)\*+,-!DG.6N675!A\$"J!(05!7!52C+@!16DB3550-8!72/0-!D65!72-!  
a4/350-!>240C3758!12345!()63789

(&)\*+,-!DGH640!A\$"J!i:35504!\*)BB643\*253)48!L?)40!053g605508!/0:D2C!\*)BB643\*253)48)4\_  
\*)BB643\*253)4!a4/350-!>:070450!5!F):!d3:C7!a4\*8!9637728!B

92-37)48!U!j!(&)\*+,-!DGH2462:RU!3C!A\$"J!U?0!B2+0)/0!:L:)\*07!75?0!B2+0)/0!?)B0!a4/350-!  
M)6470C):8!12345!()63787)6!B

(&)\*+,-!DGH2462:R!A\$"J!^C2\*+!N3:C!7023)67!\*)4/0:7253)47!a4/350-!90-325):`M)6470C):8!  
12345!()637877)6!B

P6DD2:-8!Q'8!()L0o8!.!8!()L0o8!Q'8!i3CC32B78!(8! '15 -13.22 0022 013 9 \*+,-'56 14.527 56 384 2Tc 10.2 P6

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5+),6+"78#f Q 50 0 0 1 B0NTj -0.003 4 Td [>3Td [>-4476.9 (')]TJ -0.8.46Tc 12.6224&# -06.378 -1.4 Td [1<>#(())

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1L:34N!A\$A\$!G1R4\*?:)4)678!)4C340J!  
U<>8H&6#<8,'<B'(\*#8#\$&\*'+86&\*'+@+&\*6/'(<>8,+\*#8F'N(24!'0'b[]K'  
;>+,6'1+\$6>"+"  
0+G&"6J+86'<B!'H>\$&6#<8&\*4\$#+8\$+, 'I.'"<B+,,#<8&\*'"<F"&J,'c'(<+\*+F+'<B!'H>\$&6#<8'  
78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
C0/0C!756-0457!

\$Z`A\$A\$G.7R4\*?:)4)678!)4C340  
(<>8,+\*#8F3B"#&8'3J+"#&8'(\*#+86,'N(24!'0'ba[]K'  
;"&H>&6+'46>H+86'V8,6">\$6<"  
0+G&"6J+86'<B!'H>\$&6#<8&\*4\$#+8\$+, 'I.'"<B+,,#<8&\*'"<F"&J,'c'(<+\*+F+'<B!'H>\$&6#<8'  
78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
M):0250-N:2-34N!:6D:3\*7!24-!0/2C6256-045!L2L0:7!24-!0FC0\*5312\*3C35250277!-37\*6773)47  
0[L0:304532C!2\*53/353078!24-!0C3/0:0-340256-07340!F):B25'!

T2CC!A\$A\$!G1R4\*?:)4)678!)4C340J!  
(\*#8#\$&\*'+86&\*'+@+&\*6/'(<>8,+\*#8F'N(24!'0'b[a]K'  
;>+,6'1+\$6>"+"  
0+G&"6J+86'<B!'H>\$&6#<8&\*4\$#+8\$+, 'I.'"<B+,,#<8&\*'"<F"&J,'c'(<+\*+F+'<B!'H>\$&6#<8'  
78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
L0:253)42C3o34N!2!L:3/250!\*)6470C34N!L:2\*53\*0!5)!B2750:I7!C0/0C!756-0457!

\$;`A\$A\$!G1R4\*?:)4)678!)4J!  
46D'1<>#,'(>\*6>"&\*('<JG+6+8\$+'V8,6#6\$6&X(\$)\*+\$,\*!#-#+'\*!"/0&-&\$1&\*\$'+\*2"3+'\*4"1(&#(24'  
!0'ba\_]K'  
;>+,6'1+\$6>"+"  
0+G&"6J+86'<B!'H>\$&6#<8&\*4\$#+8\$+, 'I.'"<B+,,#<8&\*'"<F"&J,'c'(<+\*+F+'<B!'H>\$&6#<8'  
78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
F):!B2750:I7!C0/0C!\*)6470C34N!756-0457!  
kk\*24\*0C0-!-60!5)!MWQakkk!

1L:34N!A\$A\$!G1R4\*?:)4)678!)4J!  
V86"<H>\$6#<8'6<'4<\$#<\*<F:'N(24!'0'b]Q]K'  
;>+,6'1+\$6>"+"  
(<+\*+F+'<B'3'6,'!4\$#+8\$+'  
@&"#,'46<?+'46&6+'78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
kk\*24\*0C0-!-60!5)!MWQakkk!

1L:34N!A\$A\$!G1R4\*?:)4)678!)4C340J!  
E/+<"#+'<B'(<>8,+\*#8F'N(24!'0'b]Q]K'  
;>+,6'1+\$6>"+"  
0+G&"6J+86'<B!'H>\$&6#<8&\*4\$#+8\$+, 'I.'"<B+,,#<8&\*'"<F"&J,'c'(<+\*+F+'<B!'H>\$&6#<8'  
78#9+",#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353074@5:6\*5-!\*)6:70!7RCC2D67!24-!70C0\*50-!\*)6:70!76LLC0B0452C!:02-34N!B250:32C7!  
R!



T2CC!A\$="R47?:)4)678!)4C340J!

(\*#8#\$&\*'+86&\*!@+&\*6/'(<>8,+\*#8F'U#+\*H'!AG+"#+8\$+'N(24!'0'b[a]K'

;>+,6'1+\$6>"+"

0+G&"6J+86'<B'!H>\$&6#<8&\*!4\$#+8\$+',!'."<B+,,#<8&\*!."<F"&J,'c'(<\*\*+F+'<B'!H>\$&6#<8'

78#9+",#6:'<B'=#,,<>G#46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'

V07L)473D3C353070450-!)4C340!3450:/30,!,35?!5?0!\*'6:70!3475:6\*5):!)4!07704532C!-0523C7!)4!

)L0:253)42C3o34N!2!L:3/250!\*'6470C34N!L:2\*53\*0!5)!B2750:!7!C0/0C!756-0457!

;\$`A\$"=!G1R4\*?:)4)678!80:7)4J!

46D'1<>#,'(>\*6>)"&\*!(<JG+6+8\$+'n88005#6.217 Td [(U(,) -2 Td [(U( (4)1 (\*)1 (?)1 (:)1 ()) -1 (,) -64 EMC /P <</M

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!#%+"\$\$\*%&()\$"#5\*.)

H640!A\$A<!

3HR@<\$>"8&\*T+9#+?+"

g<>"8&\*<B'@>J&8'4+"9#\$+,4\$/<\*&"/#G'&8H'V86+"G"<B+,,#<8&\*(<\*1&@&46#48'

V07L)473D3C35307@B2467\*:3L5!BLC050!24!0/2C6253)4!B2B-!L:)/3-0!,:35504!F00-D2\*+!5)!

265?):G7B)!;B2467\*:3L5!3BL:)/0B045'!

Y)/0BD0:!A\$AA!

;"&86'T+9#+?+"

46D'1<>#,'(<>86:'(/#\*H"+8M,'4+"9#\$+'U>8H-'4&#86'1<>#,-'=#,,<>"#'

V07L)473D3C35307@/30,0-!N:245!L:)L)72C7!76DB3550-!F):!5?0!MWV&!F64-34N!75C2452<D!

:0\*)BB04-253)47!F):!F64-34N!-375:3D653)4!

H6CR!A\$AA!

3GG\*#\$&6#<8'T+9#+?+"

E"&>J&'V8,6#6>6+'4<#\$&\*g>,6#\$+'4\$/<\*&"/#G'(<JJ#66++-'2<"6/&JG6<8-'=&,,&\$/>,+66,'

V07L)473D3C35307@2507!?)C2:7?3L!2LLC3\*253)4B2-0!:0\*)BB04-253)47!F):!F342C3757!5)!:0\*03/0!2!

L:)\_D)4)15:26B2!5?0:2LR!\*0:53F3\*253)4!L:)N:2B!

Y)/0BD0:!A\$A"!

;+>,6'.&8+\*#,'6'

78#9+,"#6:'<B'=#,,<>G46D'1<>#,-'0+G&"6J+86'<B'!H>\$&6#<8'4\$#+8\$+,"#<8B+."<F"&J,84&#86'

1<>#,-'=#,,<>"#'

V07L)473D3C35307@!34F):B253)4!5)!B2750!7!C0/0C!\*)6470C34N!756-0457!5?):6N?!L240C!-37\*6773)4!

F)\*670-!)4!752:534N!2!L:3/250!B0452C!/?02C5?!L:2\*53\*0!

Y)/0BD0:!A\$A"!

."+,+86+"

78#9+,"#6:'<B'=#,,<>G46D'1<>#,-'0+G&"6J+86'<B'!H>\$&6#<8'4\$#+8\$+,"#<8B+."<F"&J,84&#86'

1<>#,-'=#,,<>"#'

V07L)473D3C35307@5250-!0-6\*253)4!7077B)402\*?0:!\*24-3-2507!5)!76LL):5!756-0457!1,35?!

0B)53)42C!\*?2CC04N07!34!5?0!\*C2707)B)5253)4!U35C0@!M2CB34N!5?0!75):B@!i):+34N!,35?!

-R7:0N6C250-!756-0457

W\*5)D0:!A\$A"!

0<\$6<"&\*46>H+86'T+G"+,+86&6#9+'

=&,6+"M,'(<>8,+\*#8F'46>H+86'3HJ#,,#<8,-'78#9+,"#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'

V07L)473D3C35307@!2LLC3\*253)4!B250:32C7!24-!B2-0!:0\*)BB04-253)47!5)!3450:/30,!B2750!7!C0/0C!

756-0457!F):!2-B3773)4!5)!5?0!\*)6470C34N!L:)N:2B!

H6CR!A\$A"!

(<FG"+,+86+"

=#H6<?8'(<JJ>8#6:'4+"9#\$+,-'4&#86'1<>#,-'=#,,<>"#'

V07L)473D3C35307@5250-!0-6\*253)4!7077B)402\*?0:!\*24-3-2507!5)!76LL):5!756-0457!1,35?!

D2\*+5)7\*?)C!L:0L2:253)4!U35C0@!M2CB34N!5?0!75):B@!i):+34N!,35?!

H640!A\$A"!

(43(';"&86'5"#6#8F'E+&J'=+J)+"

78#9+,"#6:'<B'=#,,<>G46D'1<>#,-'4&#86'1<>#,-'=#,,<>"#'

V07L)473D3C35070D):250-!,35?!2!502B!)F!N:245!,:350:7!5)!3-0453FR!F64-34N!)LL):56435307!24-!\*:0250!  
N:245!L:)L)72C572576LL):50-!5?0<150:7!5)!762.24 -0.7272 L00000!7"LH640!A0d (\$0d (A0d ("!7')Tj 6.163 0 Td (

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W\*5)D0:!A\$"=!  
."+,+86+"N5<"%,</<G'E#6\*+M,'6&\*'J+86&\*/+&\*6/K'  
=#H6<?8'(<JJ>8#6:'4+"9#\$+,-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353070450-!L:)N:2B!L2:53\*3L2457!,35?!B0452C!?!02C5?!F64-2B0452C7!24-!5?0!3BL2\*5!5)!  
^a>WM!\* )BB6435307!

10L50BD0:!A\$"=!  
."+,+86+"N5<"%,</<G'E#6\*+X'46>H+86',>\$+,,X'E#J+'J&8&F+J+86K'  
. <8\$+'@+&\*6/4\$#+8\$+,'78#9+",#6:-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353070450-!53B0!B242N0B045!7+3CC7!24-!75:250N307!5)!^a>WM!756-0457!

.6N675!A\$"=!  
."+,+86+"  
78#9+",#6:'<B'=#,,<>G#46D'1<>#,-'E+&\$/#8F'3,,#6&86'3\$&H+J:-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353070450-!34F):B253)4!)4!-3FF0:045!27L0\*57!)F!2\*2-0B3\*!:0702:\*?8!34\*C6-34N!34)/C/0B045!  
34!:0702:\*?502B7!24-!):N243o34N!:0702:\*?!)7)6:\*07!

.L:3C!A\$"=!  
."+,+86+"  
78#9+",#6:'<B'=#,,<>G#46D'1<>#,-'E+&\$/#8F'3,,#6&86'3\$&H+J:-'4&#86'1<>#,-'=#,,<>"#'  
V07L)473D3C353070450-!34F):B253)4!)4!-3FF0:045!27L0\*57!)F!2\*2-0B3\*!:0702:\*?8!34\*C6-34N!34)/C/0B045!  
34!:0702:\*?!)502B7!24-!):N243o34N!:0702:\*?!)7)6:\*07!

92:\*?!A\$"=!  
(<8B+"+8\$+'.'<G<,&\*T+9#+?+"  
E

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X43/0:735R!)F!9377)612345!()6378!M)CC0N0!)F!&-6\*253)4!K3770:5253)4!d:245!GA\$A"8!Y)/0BD0:J!s\ZZ!  
T64-0-!

.M&1!V0702:\*?!d:245!GA\$A"8!H6688!sZ5F64-0-!

X43/0:735R!)F!9377)612345!()6378!M)CC0N0!)F!&-6\*253)4!U:2/0C!&[L0470!.,2:-!GA\$="8!Y)/0BD0:J!  
s%Z\$!T64-0-!