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"#$!%&'($)*'+,!-.! / $*+$)&!0&+1)'-!
2134 5+,!-.!6)+*!1&7!8 4 9 1&'+'$*!
!
: 4))'34 5 4 9 ! ; '+1$<!='3#1)7!>?!@-55!
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T-3'$+,!-.!:1&17'1&!@$7'$(15'*+*!
"#$!=-,15!8$)157),!T-3'$+,!-.!:1&171!
!
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!
^$&$)15!6)$1*!-.!6317$9'3!TC$3'15'_1+'-&<!
!
X'+$)1+4)$!'&!9$7'$(15!H&I51&7!
!!!!Q:#143$)'1&!1&7!&-&P:#143$)'1&S!
8'*+-),!1&7!*+)43+4)$!-.!H&I5'*#!!
6)+#4)'1&!5'+$)1+4)$!Q9$7'$(15!+-!9-7$)&S!
@$7'$(15!Z'-I)1C#,!R!#'*+-)'-I)1C#,!
@$7'$(15!#$)157),!1&7!#$)157'3!345+4)$!
H1)5,!C)'&+!345+4)$!R!/'55'19!:1\+-&!
H7'+'&I!
!
:-4)*$*!"14I#+!1+!+#$!%&'($)*'+,!-.!/$*+$)&!0&+1)'-<!
!
%&7$)I)1741+$<!
HA^!GFEF! !]&+)-743+'-&!+-!X'+$)1+4)$!1&7!:-9C-*'+'-&!
HA^!GFEV! ! 2-)9*!-.!2'3+'-&!
HA^!EMG! ! 6)+#4)'1&!XI&7*!QTC)'&I!1&7!]&+$)*$**'-&D!EFFOS!
HA^!E[FY! ! @1`-)!J)'+'*#!64+#-)*!
HA^![FFG! ! 8'*+-),!-.!+#$!H&I5'*#!X1&I41I$!
HA^![GGW! !]&+)-743+'-&!+-!@'775$!H&I5'*#!X'+$)1+4)$!
HA^![[GO! ! B'*$&3#1&+$7!:#143$)<!64+#-),!'&!@'775$!H&I5'*#!X'+?

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2=B2D!EFGY?!cVFFF?!a^$)1)7!X$I#e*!!++,-,(./01/!"20"3?b!!
!
TT8=:!]&*'I#+!^)1&+D!EFGWPGMD!cOWDF[FD!a"#$!4"%#

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4,10",/> '?0"3F/@,'-&(</!"#$%"/&(/C'#,"/>,-&,8'?/B(<?'(-9!!"-)-&+-<!%&'($)'+,!-.!*
"-)-&+-!U)$**D!EFF[?!!Q[WN!C1I$*S!

6)+'35$*!U4Z5'*#$7<!!
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a2)-9!U'33-5-9'&'!+-!T1&7.-)7<!:-&+$\+415'_'&I!])-&,!'&!g"#$!0)'I'&155!-.!8$)1d57$*e?b!
>0-,"(/J$&?0?0<3!GGN?[!QEFEGS<!VGNP[G?!
!
!aU1*'C#1h!'&!/'55'19!:1\+-&e*!4006,/01/783-,!1&7!>$1&!7$!:-4)3,e*!40%K%,+$'"-&L",?b!
B(<?&.$/D#%-&,.!GFF?G!QEFGMS<!OPG[?!
!
a/'55'19!:1\+-&D!5$,/4006,/01/783-,/A'2,-/>,#$'20"=$0.,?b!]&!:0?'"-/>'(.&0(F/
M(+%('?%?'N/J"&(#./'(-/>'(%.+"&=#./&(/>,-&,8'?/4"%<,.?!H7*?!H($5'$&!814d1$)+*D!*
H($5'$&!7$!/'57$!1&7!X47-!;1&719 9$?!J)4I$*<!T&-$3LD!EFGN?!UC?!EGVPGO?!
!
/'+#!B1('7!:1)5+-&?!a"#$!6)4&7$5!:0"0('+&0/!"#$%"&<!6!@'775$!H&I5'*#!Td-)7!'&!+#$!

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agA$*+!C1*!14+$&+'L!9 1'*!1C-3)-C#4 9e<!8 1($5-L*!1&7!+#$')!=3C+'-&!'&!X1+$!@$7'$(15!
H&I51&7?b!!*D#%-&,./&(/J$&?0?0<3!GFO!QEFFNS<!GWOPEFW?!
!
!aHZ)14L$!1&7!+#$!U-5'+'3*!-.!6)+#4)'1&!^$-I)1C#,?b!!*!"#$%"&'('!GO?V!QEFFOS<!WOPYG?!
!
a^-d$)e*!:"0(&+'/5"&=,"#&#'!1&7!+#$!X1+'&!^5-**$*!+-!81)7,&Ie*!:$"0(&+?,?b!!U0%"('?/01/
#$,/B'"?3/4006/D0+&,#3!Y!QEFFVS<!GO[PN?
!
a2)4*+)1+$7!=$17$)*!1&7!:-&($&+'-&15!B$31C'+1+'-&!'&!D&"/)'*'&(/'(-/#$,/)",,(/
Q(&<$#?b!!>0-,"(/C'(<%'<,/@,8&,*!MY!QEFFES<!YM[PNFE?!
!
ag0..!o4#1+!&13'-4&!1)+!+#-dpe<!A1+'-&15!]7$&+',!'&!J5'&7!81),e*!V'??'+,?b!>,-&,8'?/
D+0#?'(-F/D#%-&,./&(/D+0##&.$/E&.#0"3N/C&#,"'#%",/'(-/>%.&+N/+9/WXXH+9YZ[X?!!H7?!=?!
6&7)$d!@3B-&157?!!"-)-&+-<!%&'($)*'+,!-.!"-)-&+-!U)$**D!EFFE?!UC?!GEFPGV[?/
!
aT+1I'&I!B'*-)7$)<!:#1)'(1)'!'&!+#$!A#50*(!:,35$?b!:02='"'#&8,/\"'2'![O!QEFFGS<!GVOP
WG?!
!
a6&-+#$)!=$.$)$&3$!+-!>-#&!81)7,&Ie*!g@$d,&e?b!!A0#,./'(-/T%,"&,.!EVO!QEFFFS<!EMWP
N?!
!
/'+#!@1)I1)$+!@3^5,&&TQF3-16 6T5 9 3.7 6 9 4mBT5 0 9 (,&e?b)0.2(!!)24 6 9 4cmBTT21Tf5$T21Tf0 0 5 0 13 8

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:#1)5$*!=-**?!!5$,/:%.#02/01/#$,/:'.#?,/G"02/>'?0"3/#0/>'+;,#$?!!]&!@%2&('#&0!E!
QGMMYS<!WEPO?!
!
5,0#/'(-/M(#,"#,0#/&(/>,-&,8'?/!"#$%"&'(/C&#,"'#%",?!!H7?!A-))'*!>?!X13,?!!]&!!"#$%"&'('!Y!
QGMMYS<!GVOPW?!
!
^d$&7-5,&!6?!@-)I1&?!!>,-&,8'?/4'??'-"3/'(-/#$,/:0%"#?3/5"'-&#&0(M/C&#,"'#%",/01/
@,80?#/'(-/!..&2%?'#&0(9!!]&/!"#$%"&'('!W!QGMMWS<!MNPGFG?!
!
U145!H7d1)7!B4++-&?!!5$,/J0?&#&+./01/\",'2&(</&(/#$,/:'"0?&(<&'(/B2=&",?!!]&!@%2&('#&0!
G!QGMMWS<!EOPW?!
!
X'&71!^-d1&*?!!6 9!J)w&!J'&&F/!(/!"#$%"&'(/4'??'-/&(/D+0##&.$/)',?&+?!!]&!!"#$%"&'('!O!
QGMMOS<!GFFPGFE?!
!
C'(+,?0#H)"'&?F/5$,/7?-/G",(+$/!"#$%"&'(/c%?<'#,/'(-/J0.#Hc%?<'#,/&(/5"'(.?'#&0(?!!H7?!
A-))'*!>?!X13,?!!]&!!"#$%"&'('!V!QGMMVS<!ENEPV?!
!
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a"#$!D+'?'+"0(&+'<!6!T-4)3$!.-)!+#$!655'+$)1+'($!>0"#,/!"#$%",pb!![M!"!]&+$)&1+'-&15!
:-&I)$**!-&!@$7'$(15!T+47'$*D!/$*+$)&!@'3#'I1&!%&'($)*'+,D!n1519 1_--D!N!@1,!
EFFV?!
/
a^$++'&I!:#143$)!/)-&I<!>-#&!81)7,&I!1&7!+#$!21+#$)!-.!H&I5'*#!X'+$)1+4)$?b!!J--L*!
1&7!=17)*!'&!+#$!@'775$!6I$*!1&7!=$&1'**1&3$<!"#$!T$3-&7!6&&415!@6=:0!
T,9C-*'49D!%&'($)*'+,!-.!"$&&$**$$D!n&-\('55$D!EN!2$Z)41),!EFF[?!
!
a"#$!D+'?'+"0(&+'!1&7!64+#-)'15!T$5.P21*#'-&'&IDb![Y!"!]&+$)&1+'-&15!:-&I)$**!-&!
@$7'$(15!T+47'$*D!/$*+$)&!@'3#'I1&!%&'($)*'+,D!n1519 1_--D!E!@1,!EFFE?!
/
a"#$!E'8,?06!T+-),!'&!T')!"#-91*!^)1,e*!

!

!a^$&$15-I,!1&7!T1&3+'+,<!8$)157'3!U)$-334C1+'-&*!'&!1!@'775$!H&I5'*#!@1&4*3)'C+!
QJ-75?!X147!9'*3?!Y[[S?b!!8'*+-),!B$C+?!T$9'&1)!T$)'$*D!%&'($)*'+,!

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