



!"#\$% &'()\*+(-,./:01(2+3,1!(  
45"(10/+\*(

#678#\$%!&'(""  
/9:8 #!"#() \*" +"\$#(")\*",-."

"#\$%&\$'()\*!+,-\$.!/&\$,(01',!2'+/,3!

;(< #=>?=>=@6A@(@BC:9778D(7=(0#%F%GGH(6ID(!E" %0# %F%GGJ(K6L8(7=(C89IM8D(7=(6I(  
8N9@79IO(>6?8I7(6P6?DQ(!#N(6P6? DQ?(R=AA6C=?678(P97K(8N9@79IO%#N  
9IL8@79O67=?@S(

/01".2343"56"70"4389543\*37:";040)06<=6"69>\*5::3?"0"@ABDE CC ((F"04"@ABDE CC ((&" :0"  
>3"=57G3?"0"04"<660H5<:3?"I5:2"H94K3Z!<4?6L"@BEMCNO")40P3HL64"@BEMCNO"  
57Q36:5R<:0461"OABC ((&"<7?"@ABDE CC ((F"<43";97?57R"0))04:975:536":0"60=5H5:"73I"  
)40P3H:6JK"43;346":0:2363"@AB6"<6"O2<63"JJJ";97?57R"04:975:536">3H<963":256"56":23":254?"  
;97?57R"HSH=3":23")40R4<\*2<6"97?34R0731"

F<(29AA(>?8L9=B@(!"#N(TBID9IO(C8(P89OK78D(PK8I(R=I@9D8?9I6@6A@(T=? (TBID9IO(T=? (  
IE"%0# %F%GGH(6ID(!E" %0# %F%GGJS(

/01".2343"I5==">3"70434389565;34L"04")43;3437H3"R5Q37":0"57Q36:5R<:046"I5:2"3M5667R"@BEM  
<l<4?61"O40P3H:6"I5==">3"3Q<=9<:3?"><63?"07"\*345:"<7?"5770Q2350769>\*5::3?)40)06<=1"  
O=3<63"633"3H:507"U"B))=5H<:507"@3Q53I"J7;04\*:<507W"02"@AB6";04"6H043?"H45:345<1"  
37H094<R36")40)06<=6";40\*"73I"57Q36:5R<:046L"<6"l3H0"<6">04<:5076"I5:2"97?34634Q3?"  
H0\*\*975:536"57"=0H<:5076":2BEMCNO"?036"70:"2<Q3"3M5667R"61"

U<(=#8@7K8(( I8 8D(7=(C86?77T6(R8I78?O?6I77=(6>>AV=(!E" %0# %F%GGH(6ID(!E" %0# %F%  
GGJS(

/01"O6"H<7">3";40\*\*<7S":S)36"0;"?5;;3437:"576:5:9:5076"<7?"<43"70:"4389543?"0">3"<4:"0;"<7"  
3M56:57R"/JK"H37:34"R4"O=3<63"633"W-3H:507"JJJ1",=5R5>5=5:S"J7;04\*:<507W";04"?3:<5=61""23"\*<  
436:45H:507"56":2<:";0435R7"576:5:9:5076%HO\*)0737:6"<4370:"<

W<(!?8(@:6AA(CB@9I8@@8@(8A9O9CA8(7=(6>>0#%F%GGH(6ID(!E" %0# %F%GGJS(

X361"\*<==>965736636"433=5R5>939>\*5:")40)06<=6"0"@ABDE CC ((&"<7?"@ABDE CC  
((F"O=3<63"33T-3H:507JJJ#5R5>5=5S"4\*:<507V"04"23";9==560";3=5R5>=3"576:5:9:50761"  
)457H5)<57Q36:5R<:0466:" 2<Q3:23"6G5=670I=3?R3L?7"436094H3673H366<4S0"H<44S"09:"  
:23")40)063?"4363<4H2A04576:5:9:5076%04R<75Y4;40)0657R"9=:5)=3)40R4<\*"  
?543H:046%)457H57Q36:5R<:046B"<63";0==0I76:49H:5076";043"\*9=:5)=3)40R4<\*"  
?543H:04%)457H57Q36:5R<:045H57"23"-37504%Z3S"4607"O40;5-[3M]<7?3?" H0\*)0737:" 0;"  
:23"-J"][@^@\<))=5H<:507"R95?31"

H<(!?8(7K8?8(@7BDV(D8@9OI(?8XB9?8:8I7@S(=BAD(V=B(>A86@8(D8@R?9C8(>?8T8?8IR8@(T=?(@7E  
D8@9OIS(

X361".23"6:9?S"?365R7"\*96:">3"<))40)45<:3":0"<HH0\*)=562":23")40)063?"40P3H:"<5\*6"<7?"  
4363<4H2"8936:50761"O=3<63"43;34":O@AB ((&"<7?"@ABDE CC ((F";04"6:9?S"?365R76":2<:"  
\*<S">3"<))40)45<:31"

J<( .6l(V=B(RA6?9TVK886?A98 @7(67D678T=?!E" %0#%F%GGJS(

X361"23" 3<4=536:"<4:?"<:3"56<7:5H5)<:3?0">3"E3H3\*>341O<4:5H5)<:57R6:5:9:36"43"  
<7:5H5)<:3?:0"43H35Q3":23"<))40Q3?";97?57R")=27"ADB"3"=:<:34"

O=3<63"43<H2"09:"07"3"0;":23"6H537:5;5H"H07:<H:6"=56:3?"00K0AB((&"<7?"@ABDECC ((F"  
:0"?56H966"S094")40)06<=1".23"\*06:"<))40)45<:3"0))04:975:S"?3)37?6"07":23")45\*<4S"<5\*6"0;":23"  
6:9?S1"

;H<.6I(6(>?=>=@6A(76?O87(:=?8(7K6I(=I8(BID8?@8?L8D(>=>BA679=I@Q(@BRK(6@(-679I=`6@(6ID  
@8NB6A(:9I=?97VS

X361"/JK"I3=H0\*36")40)06<=6":0"6:9?S"57:3463H:57R"456"6R409)40)06<="I5=="733?":0"620I  
:2<:"23")40P3H:"2<6":23"<))40)45<:3"57;4<6:49H:943"<7?"3M)34:563":0"<??4366">0:2")0)9=<:5076"<7?  
:23"H0\*)=3M5:S"0;":23"6:9?S":2<:"56")40)063?1

;J< "?8(7K887K9R6A(6ID(C8K6L9=?6A(9:>A9R679=I@(?8A678D(7=(7K8(87K9R@=(T(78@79IO(?8@86?RK  
6>>?=>?9678(?8@86?RK(69:(T=?(!B#%#%

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