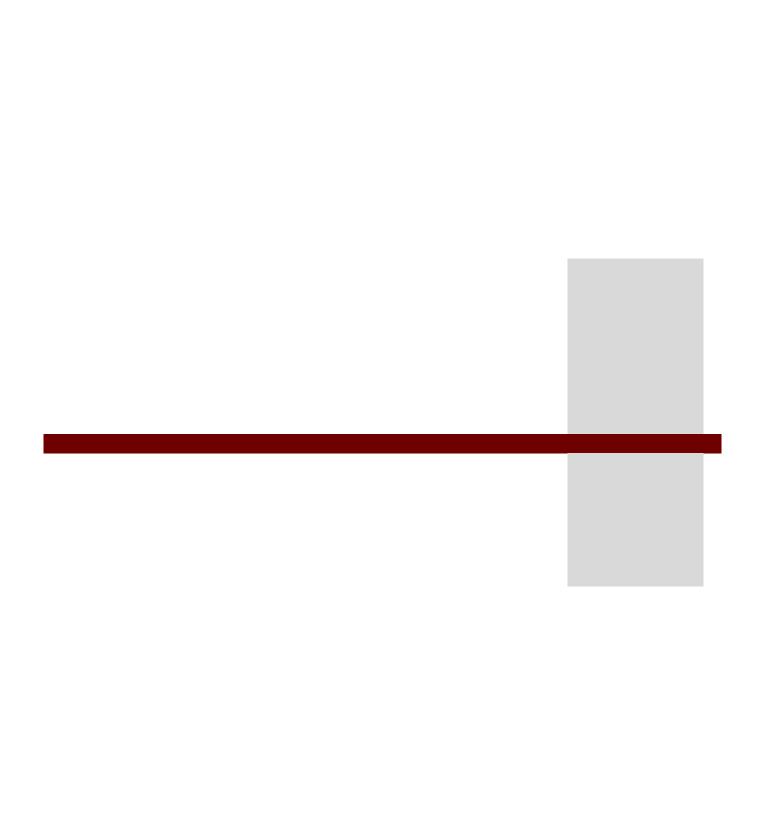
! "#\$#%&'(&)'*++,	/01230.2/	/2401540/	/3104510.23
6\$(\$+'7889%89#(\$#%&,	.:20.;;0-::	204; .024;	.540141051.
6(<+,'='6+9>#?+,	5:0:;20	140.:/0;;2	;:051;0;33
@#A\$,0'@9(&\$'(&)'B%&\$9(?\$,	/0-420-41	;33011202/5	5140;:101.3
C9%A+,,#%&(<'*++,	5-201;4024;	1./02.:0;	1-:03./0/
7"D#<#(9E'F8+9(\$#%&,	;:503;;03/;	14/054.0/4/	1-103;30.11
G&>+,\$H+&\$IG&\$+9+,\$'G&?%H+	/30;-505;/	5203140:3;	//0:/-0;53

	! ''#\$#%&'() *+\$,-	(./-#0&-,+()*+\$,-(-1(2&-,	34-*&'(-1(2&-,
<u>,6,%*,/</u>			
! "#\$#%&'(&)'*++,	/01220333	-1.0/3/0432	-510516016
7\$(\$+'899:%9:#(\$#%&,	5;40;5/0161	5/2056;0656	5650/6-0222
7(<+,'='7+:>#?+,	150-;30.3.	4021-03-3	110215063
@#A\$,0'@:(&\$'(&)'B%&\$:(?\$,	1450 105/.	024202	11.055602-
8"C#<#(:D'E9+:(\$#%&,	1630.2202./	1/;055;0.32	1;5063-0;5
F&>+, \$G+&\$ HF&\$+:+,\$'F&?%G+	520-340366	; .01; ;0214	5406450/;
E\$I+:'7%":?+,	4205;20;;/	4;05-502-3	6-0/3-06.
71-&'(5,6,%*,/	89:;<9=<89=88	89>8=9?:;9@@8	898:<9A?898>
! "#\$"%&'(")*+), #-(-%'.)/O1("&		234	56.4
BC,%+#-*",/			
	;;306-40;4-	1;.0-5102	1;;020
BC,%+#-*'',/	;;306-40;4- ;/;0-;502-2	1;.0-5102 1/60/110563	
<u>BC,%+#-*'',/</u> F&,\$:''?\$#%&	•	· ·	1140-430
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I	;/;0-;502-2	1/60/110563	1140-430 1101/2065
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+	;/;0-;502-2 120/6.05/-	1/60/110563 20.;4045-	1140-430 1101/2065 4303-50430
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$	;/;0-;502-2 120/6.05/- 15104150-;6	1/60/110563 20.;4045- 4-06520/66	1140-430 1101/2065 4303-5043 520; 6/031
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$ 7\$")+&\$'7+:>#?+,	;/;0-;502-2 120/6.05/- 15104150-;6 2/0-630;-;	1/60/110563 20.;4045- 4-06520/66 5-051-02;.	1140-430 1101/2065 4303-50430 520; 6/0314 5306360
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$ 7\$")+&\$'7+:>#?+, F&,\$#\$"\$#%&(<'7"99%:\$	;/;0-;502-2 120/6.05/- 15104150-;6 2/0-630;-; 4600.24	1/60/110563 20.;4045- 4-06520/66 5-051-02;. 5.05310/65	1140-430 1101/2065 4303-5043 520; 6/031 5306360
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$ 7\$")+&\$'7+:>#?+, F&,\$#\$"\$#%&(<'7"99%:\$	;/;0-;502-2 120/6.05/- 15104150-;6 2/0-630;-; 4600.24	1/60/110563 20.;4045- 4-06520/66 5-051-02;. 5.05310/65	1140-430 1101/2065 4303-5043 520; 6/031 5306360
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$ 7\$")+&\$'7+:>#?+, F&,\$#\$"\$#%&(<'7"99%:\$	;/;0-;502-2 120/6.05/- 15104150-;6 2/0-630;-; 4600.24	1/60/110563 20.;4045- 4-06520/66 5-051-02;. 5.05310/65	1140-430 1101/2065 4303-5043 520; 6/031 5306360
BC,%+#-*",/ F&,\$:"?\$#%& J+,+(:?I K"L<#?'7+:>#?+ 8?()+G#?'7"99%:\$ 7\$")+&\$'7+:>#?+, F&,\$#\$"\$#%&(<'7"99%:\$	;/;0-;502-2 120/6.05/- 15104150-;6 2/0-630;-; 4600.24	1/60/110563 20.;4045- 4-06520/66 5-051-02;. 5.05310/65	1;;020 1140-430 1101/2065 4303-5043 520;6/031 5306360 56013/0/1

	! "#\$#%&"() *+\$,-	./-#0&-,+()*+\$,-(-1(2&-,	34-*&'(-1(2&-,
5 <u>, 6</u> , % * <u>, /</u>			
! "#\$#%&'(&)'*++,	/012/.3-	43/5-3/-3-	46/340/246
7\$(\$+'899:%9:#(\$#%&,	46/663/14;	46/663/14;	-;/2/1;.
7(<+,'='7+:>#?+,	5/5;2/311	-35/.15	-35/4;0
@#A\$,/'@:(&\$'(&)'B%&\$:(?\$,	1/0;6/6;.	1/0;6/6;.	1;/206/;6.
C:%A+,,#%(<'*++,	;	;	;
8"D#<#(:E'F9+:(\$#%&,	. 1/6/40 .	.;/11;/3.3	. ;/10-/243
G&>+,\$H+&\$IG&\$+:+,\$'G&?%H+	3.0/-;;	.;3/2.5	25./34.
F\$J+:'7%":?+,	6/.2;/336	-/2-6/506	-/4-2/.2;
71-&'(5,6,%*,/	89:;:<<;9=>	8?@;===;9A<	89:;>@:;?B@
! "#\$"%&'(")*+), #-(-%'.)/O1("&		234	3554
G&,\$:"?\$#%&	44/;11/23;	5-/5;-/-05	5-/533/402
<u>CD</u> ,%+#-*'',/			
K+,+(:?J	435/120	131/;6.	12./;25
C"L<#?'7+:>#?+	1/-52/5.6	6.1/26.	-/0;3/1;.
C(\$#+&\$'B(:+		0.1/20.	-/0,5/1,.
8?()+H#?'7"99%:\$	6/135/;05	./.12/106	, ./046/; . ;
7\$")+&\$'7+:>#?+,	2/0.5/-41	4/-04/; ; 3	4/0-2/;16
/ψ /τωψ /τ./π:τ,	2/0.3/-41	4/-04/,,3	4/0-2/,10

! "#\$#%&'()*+\$,-	(./-#0&-,+()*+\$,-(-1(2&-,	34-*&'(-1(2&-,
	! "#\$#%&'() *+\$,-	! "#\$#%&'() *+\$,- (./-#0&-,+()*+\$,-(-1(2&-,



! "#"\$%&' ( " ) "#*"	+,+,/01	+,2-/,1	+,333,4/4
56786#"#9':\$%#;<"\$;	.+,/+3,.=1	=,++2,3+=	. 2,=./,=++
>#9"\$";9'%#?'>#)";97"#9'>#@67"	.3,+43,412	4,43.,=3/	1,+30,=/0
A%@B&B9B'';,'C&%##B#D'E'56#;9\$*@9B6#'	3,+/+,40.	.,4+4,3+.	+,+.3,443
F''&<'>#;*\$%#@'''A*#?	.,00=,/+1	1+0,+40	.,0.4,020
G9H"\$'F6*\$@";	2	2	2

! "#\$"%\d'(")\*+), #-(-%'.)/01("\d 23.4