DE1; >D=CH) D2;93 +38>>;B

$$, 12;5 > 6 > = C5 = CB$$

+38>>; 5<>7A1?893B

) DA?>B5 1=4 ( DC;9=5 > 6 C85 +")

+38>>; "=6>A< 1C9>=

' 554B BB5BB< 5=C

); 1 = 9 = 7 6 > A " < ?A > E5 < 5 = C

, 9C;5 " \*5@D9A5 < 5=CB

D475CC > +D??>AC > 1;B

# +1= #>B5 ;5< 5=C1AH +38>>;

5805 - A#(. A/! /-. #(E, D, \$57?GCBJ=@9, & 32207

<HHD://KKK.81 J5@7<CC@.CF; /G5B>CG9

# 5<>7A1?893B

) A9=39?1; ) 1D;1 + < 908

1	

# ) 1AC " +38>>; "=6>A< 1C9>=

#### +38>>; &9BB9>= 1=4 . 9B9>=

) A>E945 C85 B38>>; B < 9BB9>= BC1C5< 5=C

AH - 5B \$CG9 E@9A 9BH5FM, K9 K=@ 9A DCK9F GHI 89BHG HC 697CA 9 @:9@CB; @95FB9FG 5B8 F9GDCBG=6@9 7=H=N9BG. .957< @HH@9 , 9589FG HC 697CA 9 :I HI F9 @9589FG.

) A>E945 C85 B38>>; B E9B9>= BC1C5< 5=C

AH -5B \$CG9 E@9A 9BH5FM, K9 69@9J9 H<5H 5@ 7<=@8F9B 75B @95FB. (C 7<=@8F9B K=@ 69 @9:H 69<=B8. (C 9L79DH=CBG. (C 9L7I G9G.

#### +38>>; %5145AB89?, 51<

&5 < 25AB89?

#89BH=:M H<9 B5A9, 9A5=@588F9GG 5B8 DCG=H=CB H=H@9 :CF 957< A9A69F C: H<9 G7<CC@ @9589FG<=D H95A

' 1< 5	, 9C;5	#>2	DC95B 1=4 *5B?>=B929;9C95B
-A≢<, *5I @5	*F=B7=D5@		
(5M@CF, , 57<9@	AGG=GH5BH *F=B7=D5@		
CF9GDC, \$9BB=:9F	#BGHFI 7H=CB5@ <b>C</b> C57<		
! 9C; <5; 5B, , 969775	#BGHFI 7H=CB5@ <b>C</b> C57<		

### 1A;H / 1A=9=7 +HBC5 < B

DAA5=C O51A

, 85 =D< 25A >6 BCD45=CB 2H 7A145 ;5E5; C81C 5G8929C 5138 51A;H F 1A=9=7 9=4931C>A ;9BC54

"=4931C>A	\$				A14	5 %5	E5;							, >C1;
(IA69FC: GHI89BHG 9BFC@98	105	141	106	137	119	109	0	0	0	0	0	0	0	717
AHH9B85B79 69@CK 90 D9F79BH	20	20	27	10	5	2	0	0	0	0	0	0	0	84
) B9 CF A CF9 GI GD9BG=CBG	5	20	10	8	15	10	0	0	0	0	0	0	0	68
CCI FG9 :5=@I F9 =B E&A CF '5H<	0	0	0	13	0	0	0	0	0	0	0	0	0	13
&9J9@1 CB GH5H9K=89 5GG9GGA9BH	0	0	0	10	51	40	0	0	0	0	0	0	0	101

, 85 =D< 25A >6 BCD45=CB F9C8 CF > >A < >A5 51A;H F1A=9=7 9=4931C>AB

"=4931C>A	\$ A145 %5E5;	, >C1;
-HL89BHG K=H< HKC CF A CF9 =B8=75HC6(F		

### ) 1AC "" ' 554B BB5BB < 5=C =1;HB9B

#### +38>>; 101

\*@95G9 BCH9 H<5H H<9 8=GHF=7H 5B8 GH5H9 5J9F5; 9G G<CKB <9F9 F9DF9G9BH H<9 5J9F5; 9G :CF G=A=@5F G7<CC@ HMD9G (9@9A 9BH5FM, A=88@9, <=; < G7<CC@, CF 7CA 6=B5H=CB G7<CC@).

+38>>; A145 > =5=C								
+30>>, A145 >< ?>=5=0	+38>>;	9BCA93C	+C1C5	+38>>;	9BCA93C	+C1C5		
E&A A7<=9J9A 9BH	37%	50%	57%	36%	50%	56%		
E&A &95FB=B; ! 5=BG	51%	56%	58%	51%	51%	55%		
E&A &CK9GH 25H< *9F79BH=@9	47%	50%	53%	51%	46%	48%		
' 5H< A7<=9J9A9BH	48%	62%	63%	55%	61%	62%		
' 5H< &95FB=B; ! 5=BG	62%	63%	62%	62%	59%	59%		
' 5H< &CK9GH <b>25</b> H< *9F79BH=@9	57%	52%	51%	52%	48%	47%		
-7=9B79 A7<=9J9A 9BH	34%	48%	53%	46%	55%	55%		

/ + "=4931C>AB 1B "=?DC 1A;95A 9= C85 +DAE5H  A145 %5E5; ?A9>A H51A A5?>AC54											
"=4931C>A	P	145 %51	E5; ?A9:	A H51A	A5?>AC5	4	, >C1;				
-473 TC/A	\$						, >01,				
(IA69FC: GHI89BHG9BFC@98	105 (0)	141 (0)	106 (0)	137 (0)	119 (0)	109 (0)	717 (0)				
AHH9B85B79 69@CK 90 D9F79BH	20 ()	20 ()	27 ()	10 ()	5 ()	2 ()	84 (0)				
) B9 CF A CF9 GI GD9BG=CBG	5 ()	20 (0)	10 (0)	8 (0)	15 (0)	10 (0)	68 (0)				
CCI FG9 :5=@ F9 =B E&A CF ' 5H<	0 ()	0 (0)	0 (0)	13 (0)	0 (0)	0 (0)	13 (0)				
&9J9@1 CB GH5H9K=89 5GG9GGA9BH											

### A145 %5E5; 1C1

(). E:. <=G 85H5 =G F5K 85H5 5B8 =B7@ 89G A&& GHI 89BHG K<C H9GH98 5H H<9 G7<CC@. <=G =G BCH G7<CC@; F589 85H5.

() . E: AB 5GH9F=G? (\*) =B 5BM 79@=B8=75H9G H<9 85H5 <5G 699B GI DDF9GG98 8I 9 HC :9K9F H<5B 10 GHI 89BHG H9GH98, CF 5@H9GH98 GHI 89BHG G7CF=B; H<9 G5A 9.

			%			
A4 4 F	0544		000000	+38>>;	04.05	+38>>;
A145	O51A	+38>>;	9BCA93C	9BCA93C	+C1C5	+C1C5
				>< ?1A9B>=		>< ?1A9B>=
03	2019	29%	51%	-22%	58%	-29%
	2018	36%	50%	-14%	57%	-21%
-5A9! F589 <b>C</b>	CAD5F=GCB	-7%				
CC <cfh cca<="" td=""><td>D5F=GCB</td><td></td><td></td><td></td><td></td><td></td></cfh>	D5F=GCB					
04	2019	19 44% 52%		-8%	58%	-14%
	2018	29%	49%	-20%	56%	-27%
-5A9! F589 <b>C</b>	CA D5F=GCB	15%			·	

			%			
A145	O51A	+38>>;	9BCA93C	+38>>; 9BCA93C > 1A9B =	+C1C5	+38>>; +C1C5 >< ?1A9B>=
CC <cfh cca="" d5f="GCB&lt;/td"><td>8%</td><td></td><td></td><td></td><td></td></cfh>		8%				
05	2019	30%	50%	-20%	56%	-26%
	2018	28%	51%	-23%	55%	-27%
-5A9 ! F589 <b>C</b>	2%					
CC <cfh cca<="" td=""><td>D5F=GCB</td><td>1%</td><td></td><td></td><td></td><td></td></cfh>	D5F=GCB	1%				

			& ,!			
				+38>>;		+38>>;
A145	<b>O</b> 51A	+38>>;	C3/B/12/40/03/(?	<b>6</b> 4 Dp 9BCA93C	+C1C5	+C1C5 O6E
				B≫.3371 MB HA	D <b>&amp;</b> od (%%004 D	<b>7</b> 9/2⊕1818>=
03	2019	41%	61%	-20%	62%	-21%
	2018	57%	59%	-2%	62%	-5%
-5A9 ! F589	CCA D5F=GCB	-16%				
CC <cfh cc<="" td=""><td>A D5F=GCB</td><td></td><td></td><td></td><td></td><td></td></cfh>	A D5F=GCB					
04	2019	57%	64%	-7%	64%	

					6	4%

;13: 6A931= < 5A931= +CD45=CB	
989F5@#B89L - B@57?/A:F=75B AA 9F=75B -HI 89BHG	40
B@57?/A:F=75B AA 9F=75B -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	2E-
( I A 69F C: CCBG97I H=J9 295FG B@57?/A:F=75B AA 9F=75B -HI 89BHG -I 6; FCI D B9@CK 32%	0
! 9B?1=93 +CD45=CB	
989F5@#B89L - " =GD5B=7 -HI 89BHG	53
" =GD5B=7 -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	()
(IA69FC: CCBG97IH=J9 295FG "=GD5B=7 -HI89BHG-I6; FCID B9@CK 32%	0
&DC9A1391; +CD45=CB	
989F5@#B89L - ' I @H=F57=5@ - HI 89BHG	50
' I @H=F57=5@ - HI 89BHG - I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	()
(IA69FC: CCBG97IH=J9 295FG' I @H=F57=5@ -HI89BHG -I6; FCID B9@CK 32%	0
' 1C9E5 < 5A931= +CD45=CB	
989F5@#B89L - (5H=J9 AA 9F=75B -HI 89BHG	
(5H=J9 AA 9F=75B -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	(/A
( I A 69F C: CCBG97I H=J9 295FG ( 5H=J9 AA 9F=75B -HI 89BHG -I 6; FCI D B9@CK 32%	0
) 139K3 "B;1=45A +CD45=CB	
989F5@#B89L - *57=T7 #G@5B89F -HI 89BHG	
*57=T7 #G@5B89F -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	(/A
( I A 69F C: CCBG97I H=J9 295FG *57=T7 #G@5B89F -HI 89BHG -I 6; FCI D B9@CK 32%	0
/ 89C5 +CD45=CB	
989F5@#B89L - 1 <±19 -HI 89BHG	50
1 <=H9 -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	()
(IA69FC: CCBG97IH=J9 295FG 1 <	0
3>=>< 931;;H 9B14E1=C1754 +CD45=CB	
989F5@#B89L - E7CBCA=75@M D=G58J5BH5; 98 -HI 89BHG	46
E7CBCA=75@M D=G58J5BH5; 98 -HI 89BHG -I 6; FCI D B9@CK 41% =B H<9 CI FF9BH 295F?	()
(IA69FC: CCBG97IH=J9 295FG E7CBCA=75@M D=G58J5BH5; 98 -HI89BHG -I6; FCID B9@CK 32%	0

# =1;HB9B

1C1 \*5L53C9>=
ABGK9F H<9 : C@CK=B; F9U97H=CB DFCA DHG 5:H9F 9L5A=B=B; 5BM/5@F9@9J5BH G7<CC@ 85H5

, 90;5	, 958=B; *FCT7=9B7M
* 109>=1;5	) B@M 37% C: CI F GHI 89BH 5F9 F958=B; CB; F589 @9J9@ K=H< CB@M CB9 D9F79BH5; 9; 5=B:FCA 2018 HC 2019.
+C1C5 C85 < 51BDA512;5 >DC3>< 5 C85 B38>>; ?;1=B C> 13895E5	1 9 D@5B HC =B7F95G9 CI F DFCT7=9B7M HC 45% (5B =B7F95G9 C: +8 DC=BHG)
) 5AB>= A5B?>=B92;5 6>A <>=9C>A9=7 >DC3>< 5	*5I @5 -A ±I< (GA ±I <d10@8i )<="" j5@g7<cc@g.cf;="" td=""></d10@8i>
E945=35 21B54 +CA1C57H	A , 958=B; CC57< K=@69 DCG+I=CB K=@69 I G98 :CF F958=B; 57<=9J9A 9BH DFC; F9GG 6M @958=B; *&C FCI DG :CF GHF5H9; =7 K99? M D©5BB=B; , A C89@B; 5B8 7C-H957<=B; HC =A DFCJ9 =BGHF1 7H=CB5@DF57H=79 5G K9@5G DFCJ=89 DFC:9GG=CB5@89J9@CDA 9BH 5B8 7CBG=GH9BH 7C57<=B; :CF H957<9FG KC , 958=B; #BH9FJ9BH=CB=GHG K=@69 DI F7<5G98 HC =A D@9A 9BH H5F; 9H98; FCI DG =B % - 5H ; F589 :CF H=9F ## =BH9FJ9BH=CB 8I F=B; ; F589 @9J9@, . # 6@C7?G G7 <cc@k=89. '="" 3f8,="" 4h<="" 5b8="" 5fh="@9" 5h9f="5@G" 5h<="" 89bhg="B" @ck9gh="" br="" d9f:cfa="B;" ddcfh="" di="" ei="" f7<5g98="" ghi="" gi="" hc="" k="@69"> ; F589G ' 5H9F=5@G =B7@89 6I H 5F9 BCH @A =H98 HC , 958=B; ' 5GH9FM -=; B5HI F9 E8=H=CB, CCFF97H=J9 , 958=B; , &amp;&amp;#?=HG, 5B8 B9B7<a &="79BG9G" &5b;="" '="" (-d5b="G&lt;" -c@7="CBG" .957<9f="" 57ei="G=H=CB&lt;/td" 5;="" 5f?="" 7="HM.7CA" 9="" 9a69fg<="DG" :cf="" <="" @5b;="" @5fm-d9@b;="" afhg)="H9" b998g="" c:="" ci="" ddcfh="" f="" gi="" hc="" i="" oc756i=""></a></cc@k=89.>
*1C9>=1;56>A E945=35 21B54 +CA1C57H	DI 9 HC CI F @5F; 9 D9F79BH5; 9 C: E&& @95FB9FG (48%), @5B; I 5; 9 57EI =G=H=CBK=I< 9AD<5G=G CB JC756I @5FM 5B8 KCF8 5B5@MG=G
A7H=CB -H9D	
5B3A9?C9>=	1. #A D@9A 9BH5H=CB C: , -' E =B %=B89F, 1GH 5B8 2B8 ; F589 :CF F958=B; :CI B85H=CB5@ G?=@G C: D <cb=7g, #a="" &="" &*+="" *fc;="" ,="" 2.="" 3.="" 3f8="" 4h<="" 5b5@mg="G" 5b8="" 5h<="" 5k5f9b9gg="" 7ca="" 89bhg="" 89j9@cd="" 958="B;" 9bh5h="CB" 9g,="" ;="" <="" =b="" @5fm="" a="" c:="" cb="HCF=B;" ccff97h="J9" cf5@="" d<cb9a="7" d@9a="" df9<9bg="CB" f589="" f9gg="" f<="" g?="@G." ghi="" h<fci="" hc="" jc756i="" k99?@m="" kcf8="" td=""></cb=7g,>

, 90;5	EA GI 6; FCI D C: B@57? GHI 89BHG
* 109>=1;5	CB@M 40% C: B@57? GHI 89BHG 5F9 A 99H=B; H<9 H5F; 9H =A DFCJ9A 9BH :CF DFCT7=9B7M; . <9F9 K5G 5B =B7F95G9 C: +1 DC=BH 6I H =HG CB@M 26% , 958=B; CB; F589 @9J9@.
+C1C5 C85 < 51BDA512;5 >DC3>< 5 C85 B38>>; ?;1=B C> 13895E5	1 9 K=@=ADFCJ9 CIF B€57? GHI 89BHG D9F79BH DFCT7=9BH HC 42%, 5 18 DC=BH; 5=B.
) 5AB>= A5B?>=B92;5 6>A <>=9C>A9=7 >DC3>< 5	\$9BB=:9F <b>C</b> F9GDC (7F9GDC>@81 J5@7 <cc@c.cf; )<="" td=""></cc@c.cf;>
E945=35 21B54 +CA1C57H	D5=@M GA 5@; FCI D =BGHFI 7H=CB K=H< H5F; 9H98; FCI D K=H< =BH9FJ9BH=CB=GH 5B8, 958=B; H957<9F HC DFCJ=89 6CH< 8=S9F9BH=5H98 G?=@G 89T7=HG =BGHFI 7H=CB 5B8 G75SC@898; F589 @9J9@GH5B85F8G KCF? H <fci; .<="" ;="" <="" f958="B;" i="898" td=""></fci;>
* 1C9>=1;5 6>A E945=35 21B54 +CA1C57H	. 957<9F-@98 GA 5@; FCI D; I =898 =BGHFI 7H=CB 5@CKG :CF 9LD@7=H =BGHFI 7H=CB :CF G?=@G 5B8 GH5B85F8G B998G.
A7H=CB -H9D	
5B3A9?C9>=	1. B5G9@B9 5GG9GGA 9BH C: D@579A 9BH H9GH :CF D=F97H =BGHFI 7H=CB 7I FF=7I @ A 2. ' I @H=D@9 G9GG=CBG D9F K99? C: ; I =898 F958=B; K=H< ; F589 @9J9@H9LH 3. D5=@M G9GG=CBG C: D=F97H #BGHFI 7H=CB G?=@G G9GG=CBG HC 6I =@8 :CI B85H=CB5@GHF5H9; =9G 4. 5.
) 5AB>= *5B?>=B92;5	\$9BB=:9F

*109>=1;5  DC=BHG :FCA DF9J=CI G M95F'G F9GI #G <9F9 K9F9 41% HC A 5?9  #95FB-B; ; 5=BG  +C105 C85 <51BDA512;5 >DC3>< 5 C85 B38>>; ?;1=B C> 19 K=@=B7F95G9 CI F #9J9@C: DFCT7=9BH GHI 89BHG C: -1 D HC 25% HC 8CI 6#9 CI F 7I FF9BH  19 K=@=B7F95G9 CI F #9J9@C: DFCT7=9BH GHI 89BHG C: -1 D HC 25% HC 8CI 6#9 CI F 7I FF9BH  25 AB>= A5B?>=B92;5 6>A	, 90;5	EA GI 6; FCI D C: -1 D GHI 89BHG
>DC3>< 5 C85 B38>>; ?;1=B C> 13895E5	* 109>=1;5	DC=BHG :FCA DF9J=CI G M95F'G F9GI &HG < 9F9 K9F9 41% HC A 5?9
SMCF (BSMCF(BSMCF(BSMCF(BSMCF(BSMCF)))	•	
E945=35 21B54 +CA1C57H  71 FF=71 @ A HC 5GGI F9 - 1 D GHI 89BHG 5F9 F979=J=B; H5F; 9H98 =BGHFI 7H=CB =B 89T7±H G?=@G  * 1C9>=1;5 6>A E945=35  OE H957<9F 5B8 , 958=B; H957<9F K=@ DFCJ=89 85±M GA 5@; FCI D =BGHFI 7H=CB HC GI DDCFH @95FB=B; H5F; 9HG :CF - 1 D GHI 89BHG  A7H=CB -H9D  1. B5G9@B9 5GG9GGA 9BH :CF <ca #bghfi="" 2.="" 5@;="" 5b3a9?c9="" 7h="CB" 9bci="" :cf="" :ci="" b85h="CB5@" c;="" d="B;" d5±m="BH9FJ9BH=CB" d±f97h="" fci="" g="" g?="@G" ga="" k±h<="">=  3. ELDCGI F9 HC ; F589 @9J9@GH5B85F8 KCF? H<fci 4.="" 5.<="" 9g="" ;="" <="" a="" d+d@9="" d9f="" f958="B;" g9gg="CBG" h="A" i="" k99?="" td=""><td>) 5AB&gt;= A5B?&gt;=B92;5 6&gt;A &lt;&gt;=9C&gt;A9=7 &gt;DC3&gt;&lt; 5</td><td>, 57&lt;9@(5M@CF(B5M@CFF@8IJ5@G7<cc@g.cf;)< td=""></cc@g.cf;)<></td></fci></ca>	) 5AB>= A5B?>=B92;5 6>A <>=9C>A9=7 >DC3>< 5	, 57<9@(5M@CF(B5M@CFF@8IJ5@G7 <cc@g.cf;)< td=""></cc@g.cf;)<>
21B54 +CA1C57H	E945=35 21B54 +CA1C57H	71 FF=71 @ A HC 5GG1 F9 - 1 D GH1 89BHG 5F9 F979=J=B; H5F; 9H98
1. B5G9@B9 5GG9GGA 9BH :CF <ca #bghfi="" 2.="" 5@;="" 5b3a9?c9="" 7h="CB" 9bci="" :cf="" :ci="" =bh9fj9bh="CB" b85h="CB5@" c;="" d="F97H" d5="@M" fci="" g="" g?="@G" ga="" k="H&lt;">=  3. ELDCGI F9 HC; F589 @9J9@GH5B85F8 KCF? H<fci; 4.="" 5.<="" 9g="" <;="" a="" d9f="" dh="D@9" f958="B;" g9gg="CBG" h="A" i="" k99?="" td=""><td>•</td><td></td></fci;></ca>	•	
2. D5=@M =BH9FJ9BH=CB K=H< D=F97H #BGHFI 7H=CB :CF :CI B85H=CB5@G?=@G  5B3A9?C9>=  3. ELDCGI F9 HC ; F589 @9J9@GH5B85F8 KCF? H <fci 4.="" 5.<="" 9g="" ;="" <="" a="" d9f="" dh="D@9" f958="B;" g9gg="CBG" h="A" i="" k99?="" td=""><td>A7H=CB -H9D</td><td></td></fci>	A7H=CB -H9D	
) 5AB>= *5B?>=B92;5	5B3A9?C9>=	2. D5=4M =BH9FJ9BH=CB K=H< D=F97H #BGHFI 7H=CB :CF :CI B85H=CB5@G?=@G 3. ELDCGI F9 HC ; F589 @9J9@GH5B85F8 KCF? H <fci 4.<="" 9g="" ;="" <="" a="" d9f="" dh="D@9" f958="B;" g9gg="CBG" h="A" i="" k99?="" td=""></fci>
	) 5AB>= *5B?>=B92;5	3BC CB9 =89BH=T984

#### 449C9>=1; +38>>; F945 "< ?A>E5< 5=C ) A9>A9C95B (CDH=CB5@)

6C5A 38>>B9=7 H>DA A51 B >6 >3DB 5G?;19= 8>F H>D F9;; 144A5BB C85 A5< 19=9=7 B38>>;F945 9<?A>E5< 5=C ?A9>A9C95B B55 C85 D941=35 C12 6>A < >A5 9=6>A< 1C9>=

1 9 K=@=A D@9A 9BH, 958=B; #BH9FJ9BH=CB 6@C7?: CF % - 5 K=H< D=F97H #BGHFI 7H=CB A 5H9F=5@G HC 588F9GG: CI B85H=CB5@G?=@G=B % -2 5G K9@ 5G JC756I @5FM 5B8 7CA DF9<9BG=CB; F589 @9J9@H9LH=B J5F=CIG; 9BF9G. 1 9 K=@ 5@GC 6I=@8 CB @H9F57M G?=@G K=H<. CD - 7CF9 KF=H=B; : CF 4H< 5B8 5H<5B8 1 F=H=B; C=HM: CF % - 3F8 HC=B7CFDCF5H9 5B5@MG=G C: H9LH 5B8 KF=HH9B F9GDCBG9G.

# ) 1AC ". , 9C;5 " \*5@D9A5 < 5 = CB

### 449C9>=1; , 9C;5 " \*5@D9A5< 5=CB

. <=G G97H=CB A I GH 69 7CA D@9H98 =: H<9 G7<CC@=G =A D@9A 9BH=B; 5 . =H@9 #, \*5FH A G7<CC@K=89 DFC; F5A 5B8 CDHG HC I G9 H<9 - 7<CC@K=89 #A DFCJ9A 9BH \*@5B HC G5H=G:M H<9 F9E I =F9A 9BHG C: H<9 G7<CC@K=89 DFC; F5A D@5B, 5G CI H@B98 =B H<9 EJ9FM -HI 89BH -I 77998G A7H, \*I 6@7 &5K (C. 114-95, 0 1114(6). . <=G G97H=CB =G BCH F9E I =F98 :CF BCB-. =H@9 # G7<CC@G.

5B3A925 8>F C85 B38>>; ?;1=B C> 2D9;4 ?>B9C9E5 A5;1C9>=B89?B F 9C8 ?1A5=CB 61 < 9;95B 1=4 > C85A 3> < < D=9CH BC1: 58>;45AB C> 6D;K;; C85 B38>>; B < 9BB9>= 1=4 BD??>AC C85 = 554B > 6 BCD45=CB

' CBH<M D5F9BH 9J9BHG H<5H F5B; 9 :FCA GD97=T7G C: =B8=J=81 5@ GH1 89BHG 85H5 J=5 ; F589 @9J9G HC 7CBH9BH 5F95 :C7I G C: GHF5H9; =9G HC GI DDCFH @H9F57M, A 5H< 5B8 G7=9B79. CCBH=BI 9 D5FHB9FG<=D K=H< EI 5FH9F@M 9J9BHG K=H< 5=H<-65G98 7<I F7< D5FHB9FG GI 7< 5G B57? HC G7<CC@ BB+ 5B8 :F99 6CC?G.

) %9=:

. <9 G7<CC@ 7CA D@9H9G 5 \*5F9BH5@ #BJC@J9A 9BH \*@5B (\* E\*), K<=7< =G 5J5=@56@9 5H H<9 G7<CC@ G=H9.

5B3A925 8>F C85 B38>>; 5=BDA5B C85 B>391; 5< >C9>=1; =554B >6 1;; BCD45=CB 1A5 259=7 < 5C F 8938 < 1H 9=3;D45 ?A>E949=7 3>D=B5;9=7 < 5=C>A9=7 1=4 >C85A ?D?9; B5AE935B

EJ9FM 7@5GGFCCA =A D@9A 9BH - 5B:CF8 " 5FA CBM A CFB=B; 5B8 6I 88M I D 9J9BHG 9J9FM 85M. . <9F9 K=@ 5@C 69 EI 5FH9F@M 9J9BHG K=H < DF=A 5FM 5B8 =BH9FA 98=5H9 7@5GG9G 7C@56CF5H=B; CB 9J9BHG HC 6I =@ 7CA A F589FM J9FH=75@M 57FCGG; F589 @9J9@G.

5B3A925 C85 BCA1C5795B C85 B38>>; 5 < ?;>HB C> BD??>AC 9 = 3 > < 9 G`% "fg B  $\tilde{\mathbb{R}}$