

'RXJ 3IHUGHKLUW &KDLU DQG &(2 RI 7HFKQLS)0& VWDWHG Ú2
RSHUDWLRQDO SHUIRUPDQFH WKURXJKRXW WKH &RPSDQ\ 5HYHQXI
PLOOLRQ ZKHQ H[FOXGLQJ IRUHLJQ H[FKDQJH LPSDFWV Ú
Ú5HVXOWV ZHUH SDUWLFXODUO\ VWURQJ LQ 6XEVHD ZKHUH RSHU

2SHUDWLQDO DQG)LQDQFLDO +LJKOLJKWV

6XEVD

)LQDQFLDO +LJKOLJKWV

5HFRQFLOLDWLQRI 8 6 *\$\$3 WR QRQ *\$\$3 ILQDQFLDO PHDVXUHV DUH SURYLGHG

, Q PLOSOZRQQV

7KUHH 0RQWKV (QGHG &KDQJH

- X50.4 20J@DU

- XQ

<HDURYHU
6HTXHQWLDOHDU

5HYHQXH

2SHUDWLQJ SURILW

2SHUDWLQJ SURILW PDUJLQ

ESV ESV

\$GMXVWHG (% ,7'\$

\$GMXVWHG (% ,7'\$ PDUJLQ

ESV ESV

, QERXQG RUGHUV

%DFNORJ

7'\$

6XEVHD LQERXQG RUGHUV ZHUH
ZHUH LQFOXGHG LQ WKH SHULRG

ELOOLRQ ITRKUH WR @OTRXZLQW HDUZ D

- á ([[RQ0RELO :KLSWD*IXOD\$QDRMHFW
/DUJH FRQWUDFW DZDUG E\ ([[RQ0RELO *X\IDQD WR VXSSO\ V
:KLSWDLO SURMHFW LQ *X\IDQDxV 6WDEURHN %ORFN 7HFKQLS
HQJLQHHULQJ DQG PDQXIDFWXULQJ WR GHOLYHU VXEVD W
PDQLIROGV DQG DVVRFLDWHG FRQWUROV DQG WLH LQ HTX
UHFHQW DZDUG IURP ([[RQ0RELO *X\IDQD ZKHUH WKH &RPSD
SURGXFWLRQ V\VWHP FRQWUDFWV VLQFH WKH ILUVW FRQWUDF
\$ ÜODUJHÜ FRQWUDFW LV EHWZHHQ PLOOLRQ DQG ELOO
- á :RRGVLGH (QHJUJ\ ;HQD 3KDVH \$K\3&UD\$ILDRMHFW
6LJQLILFDQW LQWHJUDWHG (QJLQHHULQJ 3URFXUHPHQW &
FRQWUDFW E\ :RRGVLGH (QHJUJ\ WR GHVLJQ PDQXIDFWXUH
V\VWHP IOH[LEOH SLSH DQG XPELOLFD OV IRU WKH ;HQD ,Q
SURGXFWLRQ IURP WKH 3OXWR /1* 3URMHFW 7KH DZDUG IROO
GHVLJQ L)((' VWXG\ 7KH SURMHFW ZLOOⁿ XSUHRQW&RQSVDQW
;HQD 3KDVH ZLOO EH WLHG EDFN WR H[LVWLQJ VXEVD L
7HFKQLS)0& 7KH FRQWUDFW LV WKH ODWHVW FDOO RII RQ
:RRGVLGH (QHJUJ\ DQG 7HFKQLS)0&
\$ ÜVLJQLILFDQWÜ FRQWUDFW LV EHWZHHQ PLOOLRQ DQG
- á (QHJUJHDQ .DWODQ L(3&UD\$QDRMHFW
/DUJH L(3&, FRQWUDFW E\ (QHJUJHDQ IRU LWV .DWODQ GHYH
7KLV LV (QHJUJHDQxV ILUVW SURMHFW WR XVH 7HFKQLS)0&
SURGXFWLRQ V\VWHPV 7KH DZDUG IROORZV DQ L)((' VWXG\
WKH FRPPHUFLDO DQG WHFKQRORJLFDO VROXWLRQ IRU WKH
PDQXIDFWXUH DQG LQVWDOODWLRQ RI WKH SURGXFWLRQ
VWUXFWXUHV 7KH VXEVD LQIUDVWUXFWXUH ZLOO WLH EDFN
VWRUDJH DQG RIIORDGLQJ YHVVHO)362 ZKLFK FXUUHQWO
GHYHORSPHQWV 7HFKQLS)0& DOVR GHOLYHUHG IXOO\ LQWH
L(3&, H[HFXWLRQ PRGHO IRU ERWK RI WKHVH GHYHORSPHQWV
\$ ÜODUJHÜ FRQWUDFW LV EHWZHHQ PLOOLRQ DQG ELOO
- à 3HWUREUDV)OH[LEOH%BD\$LI\$ FRQWUDFW
6XEVWDQWLDO FRQWUDFW E\ 3HWUREUDV WR VXSSO\ IOH[LEO
7KH FRQWUDFW FRYHUV WKH GHVLJQ HQJLQHHULQJ DQG P
LQMFHFWLRQ DQG JDV OLIW
\$ ÜVXEVDQWLDOÜ FRQWUDFW LV EHWZHHQ PLOOLRQ DQG

6XUIDFH 7HFKQRORJLHV

)LQDQFLDO +LJKOLJKWV

5HFRQFLQLDWLRQ RI 8 6 * \$\$3 WR QRQ * \$\$3 ILQDQFLDO PHDVXUHV DUH SURYLGHG

		7KUHH 0RQWKV (QGHG			&KDQJH	
, Q PLOOLRQV		-XQ	0DU	-XQ	<HDURYHU 6HTXHQWLDOHDU	
5HYHQXH						
2SHUDWLQJ SURILW						
2SHUDWLQJ SURILW PDUJLQ					ESV	ESV
\$GMXVWHG (% ,7'\$						
\$GMXVWHG (% ,7'\$ PDUJLQ					ESV	ESV
, QERXQG RUGHUV						
%DFNORJ						

6XUIDFH 7HFKQRORJLHV UHSRUWHG VHF RQ GO\ RIUQFHUH DU\ WFRQQW R
IURP WKH ILUVW TXDUWHU 7KH VHTXHQWLDO UHYHQXH LPSURYHP
LQ WKH OLGGOH (DVW ODUJHO\ RIIVHW E\ WKH DEVHQFH RI UH
EXVLQHVY GLVSRVHG RI LQ ODUFK RI

6XUIDFH 7HFKQRORJLHV UHSRUW HPL GRQFVW DQJH RI WUHQD VSSURU EYHQRW X V W KH
ILUVW TXDUWHU 2SHUDWLQJ SURILW LQ WR HOSDILRQUR TXZDVKW HGUL VE SH QR
WKH 0HDVXUHPHQW 6ROXWLRQV EXVLQHVW ([FOXGLQJ WKH JDLQ I
PLOOLRQ VHTXHQWLDOO\ 7KH LQFUHDVH ZDV SULPDULO\ GXH
RIIVHW E\ WKH DEVHQFH RI RSHUDWLQJ SURILW IURP 0HDVXUHPHQW

6XUIDFH 7HFKQRORJLHV UHSRUWHGP LGGOH QDUWHO\ RIIVHW E\ WKH DEVHQFH RI OHDVXUHPHQW 6RO
SHUFHQWQ FRPSDUHG WR WKH ILUVW TXDUWHU 7KH LPSURYHPHQW 0LGGOH QDUWHO\ RIIVHW E\ WKH DEVHQFH RI OHDVXUHPHQW 6RO
ILOEUFUDVBRQVLY SFRHTQWOWIDSCAUFRQW

, Q E R X Q G R U G H U V I R U W K H P T L X O D D W R I Q U T X H Q W L D O G H S F H U U H F D % C D V R I O R J H Q G H G W K H S H U L P R L G O M R Q

& R U S R U D W H D Q G 2WKKUHHUH , PWRHQPKV H Q G H G - X Q H
& R U S R U D W H H[SHQVH ZDV PLOOLRQ
) R U H L J Q H[FKDQJH ORVV ZDV PLOOLRQ
1 H W L Q W H U H V W H[SHQVH ZDV PLOOLRQ
7 K H S U R Y L V L R Q I R U L Q F R P H W D[H V ZDV PLOOLRQ
7 R W D O G H S U H F L D W L R Q D Q G D P R U W L] D W L R Q Z DV PLOOLRQ
& D V K S U R Y L G H G E\ R S H U D W L Q J D F W L Y L W L H V Z DV PLOOLRQ
) U H H F D V K I O R Z Z DV PLOOLRQ ([KLELW
' X U L Q J W K H T X D U W H U W K H & R P S D Q \ U H S X U F K D V H G PLOOLRQ R I
PLOOLRQ : K H Q L Q F O X G L Q J D G L Y L G H Q G S D \ P H Q W R I P L
W K H T X D U W H U Z H U H PLOOLRQ
7 K H & R P S D Q \ H Q G H G W K H S H U L R G Z L W K F D V K D Q G F D V K H T X L Y D O H
PLOOLRQ V H T X H Q W L D O O \ W R PLOOLRQ ([KLELW

2 Q - X Q H) L W F K 5 D W L Q J V D V V L J Q H G D I L U V W W L P H / R Q J 7 H U
D 6 W D E O H 2 X W O R R N W R W K H & R P S D Q \ D Q G L W V V X E V L G L D U \) 0 8
D V V L J Q H G Ö % % % x U D W L Q J V W R W K H & R P S D Q \ x V U H Y R O Y L Q J F U H C
I R O O R Z V D U D W L Q J X S J U D G H L Q H D U O \ 0 D U F K E\ 6 3 * O R E D O 5 D W L
D Q G W K H L V V X H O H Y H O U D W L Q J V R Q W K H & R P S D Q \ x V V H Q L R U X Q V H

)XOO <HDU)LQDQFLDO *XLGDQFH
7KH &RPSDQ\ xV IXOO \HDU ILQDQFLDO JXLGDQFH IRU FDQ EH II
SUHYLRXV JXLGDQFH LVVXHG RQ)HEUXDU\ DUH DV IROORZV
à 6XEVHD UHYHQXH LQ D UDQJH RI ELOOLRQ ZKLFK LQ
UDQJH RI ELOOLRQ
à 6XEVHD DGMXVWHG (% ,7'\$ PDUJLQ LQ D UDQJH RI ZKL
JXLGDQFH UDQJH RI
à)UHH FDVK IORZ LQ D UDQJH RI PLOOLRQ ZKLFK LQFU
UDQJH RI PLOOLRQ
)LQDQFLDO UHVXOWV SULRU WR WKH FRPSOHWLRQ RI WKH VDOH
ZDV FRPSOHWHG RQ ODUFK DUH LQFOXGHG LQ IXOO \HDU JX

* X L G D Q \$ F / R) - X C \

6XEVHD

[REDACTED]

7HOHFRQIHUHQFH

7KH &RPSDQ\ ZLOO KRVW D WHOHFRQIHUHQFH RQ 7KXUVGD\ -XO\
ILQDQFLDO UHVXOWV 7KH FDOO ZLOO EHJLQ DW S P /R
:HEFDVW DFFHVV DQG DQ DFFRPSDQ\ LQJ ZSLH7HFOQDSMOR&QFRPQ EH I

\$Q DUFKLYHG DXGLR UHSOD\ ZLOO EH DYDLODEOH DIWHU WKH HYH
D GLVUXSWLRQ RI VHUYLFH RU WHFKQLFDO GLIILFXOW\ GXULQJ WK

HQYLURQPHQWDO SURWHFWLRQ FOLPDWH FKDQJH KHDOWK DQG VDIHW
FXUUHQF\ H[FKDQJH EULEHU\ DQG FRUUXSWLRQ WD[DWLRQ SULYDF\ G
UHVWULFWLRQV RQ GLYLGHQG SD\RXWV RU VKDUH UHSXUFKDVFHV DV DQ
DQG OLWLJDWLRQ DJDLQVW XV WD[ODZV WUHDWLHV DQG UHJXODWL
DXWKRULWLHV SRWHQWLDO GHSDUWXUH RI RXU NH\ PDQDJHUV DQG HP
FOLPDWLF FRQGLWLRQV XQIDYRUDEOH FXUUHQF\ H[FKDQJH UDWHV ULV
SODQ FRPPLWPHQWV RXU LQDELOLW\ WR REWDLQ VXIILFLHQW ERQGLQJ

([KLELW

7(&+1,3)0&3/&\$1'&2162/,'\$7('68%6,',\$5,(6
&21'(16('2162/,'\$7('67\$7(0(176_2),1&20(
,Q PLOOLRQV H[FHSW SHU VKDUH GDWD XQDXGLWH

7KUHH ORQWKV (QGHG 6L[ORQWKV (QGHG
LQ -XQH 0DUFK -XQH -XQH

5HYHQXH
&RVWV DQG H[SHQVHV

2WKHU LQFRPH H[SHQVH QHW LQFOXGLQJ
LQFRPH IURP HTXLW\ DIILOLDWHV
*DLQ RQ GLVSRVDO RI OHDVXUHPHQW 6ROXWLQV
EXVLQHVV ± ± ±

,QFRPH ORVV EHIRUH QHW LQWHUHVW H[SHQVH
DQG LQFRPH WD[HV
1HW LQWHUHVW H[SHQVH

,QFRPH ORVV EHIRUH LQFRPH WD[HV
3URYLVLRQ IRU LQFRPH WD[HV

1HW LQFRPH ORVV ,QFRPH ORVV DWWULEXWDEOH WR QRQ FRQWUROOLQJ
LQWHUHVWV 2 3WHUHVW

7(&+1,3)0&3/&\$1'&2162/,'\$7('68%6,',\$5,(6
%86,1(666(*0(17'\$7\$
,Q PLOOLRQV XQDXGLWHG

7KUHH 0RQWKV (QGHG 6L[0RQWKV (QGHG
-XQH 0DUFK -XQH -XQH

6HJPHQW UHYHQXH
6XEVHD
6XUIDFH 7HFKQRORJLHV
7RWDO VHJPHQW UHYHQXH

6HJPHQW RSHUDWLQJ SURILW
6XEVHD
6XUIDFH 7HFKQRORJLHV
7RWDO VHJPHQW RSHUDWLQJ SURILW

&RUSRUDWH LWHPV
&RUSRUDWH H[SHQVH
1HW LQWHUHVW H[SHQVH
)RUHLJQ H[FKDQJH ORVVHV
7RWDO FRUSRUDWH LWHPV

,QFRPH ORVV EHIRUH LQFRPH WD[HV

((KLELW

7(&+1,3)0&3/&\$1'&2162/,'\$7('68%6,',\$5,(6
%86,1(666(*0(17'\$7\$
,Q PLOOLRQV XQDXGLWHG

7KUHH 0RQWKV (QGHG 6L[0RQWKV (QGHG

7(&+1,3)0&3/&\$1'&2162/,'\$7('68%6,',,\$5,(6
&21'(16('&2162/,'\$7('%\$/S1&((6+((76
,Q PLOOLRQV XQDXGLWHG

-XQH 'HFHPEHU

&DVK DQG FDVK HTXLYDOHQWV
 7UDGH UHFHLYDEOHV QHW
 &RQWUDFW DVVHWV QHW
 ,QYHQWRULHV QHW
 2WKHU FXUUHQW DVVHWV
 7RWDO FXUUHQW DVVHWV

3URSHUW\ SODQW DQG HTXLSPHQW QHW
 ,QWDQJLEOH DVVHWV QHW
 2WKHU DVVHWV
 7RWDO DVVHWV

6KRUW WHUP GHEW DQG FXUUHQW SRUWLQ RI ORQJ WHUP GHEW
 \$FFRXQWV SD\DEOH WUDGH
 &RQWUDFW OLDELOLWLHV
 2WKHU FXUUHQW OLDELOLWLHV
 7RWDO FXUUHQW OLDELOLWLHV

/RQJ WHUP GHEW OHVV FXUUHQW SRUWLQ
 2WKHU OLDELOLWLHV
 7HFKQLS)0& SOF VWRFNKROGHUV\ HTXLW\

1RQ FRQWUROOLQJ LQWHUHVWV
 7RWDO OLDELOLWLHV DQG HTXLW\

((KLELW

7(&+1.3)0& 3/& \$1' &2162/,'\$7(' 68%6.',\$5,(6
5(&21&./,\$7.21 2) *\$3 72 121 *\$3),1\$1&,\$/ 0(\$685(6
,Q PLOOLRQV H[FHSW SHU VKDUH GDWD XQDXGLWHG

,Q DGGLWLRQ WR ILQDQFLDO UHVXOWV GHWHUPLQHG LQ DFFRUG DVQFFRTRZCNUKW BUDUQHQJNUDEOMRH DVFH
LQFOXGHV QRQ *\$3 ILQDQFLDO PHDVXUHV DV GHILQHG LQ ,WHP RI 5HJXODWLRQ 6 . RI
SHUIRUPDQFH RQ D \HDU RYHU \HDU RU VHTXHQWLDO EDVLV 1HW LQFRPH DWWULEXWDEOH
IURP LW LQFOXGLQJ 'LOXWHG (36 H[FOXGLQJ FKDUJHV DQG FUHGLWV (DUQLQJV EHIRUH Q
FKDUJHV DQG FUHGLWV 2\$GMXVWHG (% ,7'\$3 DQG \$GMXVWHG (% ,7'\$ H[FOXGLQJ IRUHLJQ
(%,7'\$ PDUJLQ H[FOXGLQJ IRUHLJQ H[FKDQJH QHW &RUSRUDWH H[SHQVH H[FOXGLQJ FKDU

7(&+1,3)0& 3/& \$1' &2162/,'\$7(' 68%6,',\$5,(6
5(&21&./,\$7,21 2) *\$\$3 72 121 *\$\$3),1\$1&./ 0(\$685(6
,Q PLOOLRQV XQDXGLWHG

	7KUHH ORQWKV (QGHG		6L[ORQWKV (QGHG
-XQH	0DUFK	-XQH	-XQH

1HW LQFRPH ORVV DWWULEWXWDEOH WR 7HFKQLS)0&
SOF

,QFRPH ORVV DWWULEWXWDEOH WR QRQ FRQWUROOLQJ
LQWHUHVWV

3URYLVLRQ IRU LQFRPH WD[

1HW LQWHUHVW H[SHQVH

'HSUHFLDWLRQ DQG DPRUWL]DWLRQ

5HVWUXFWXULQJ LPSDLUPHQW DQG RWKHU FKDUJHV

*DLQ RQ GLVSRVDO RI OHDVXUHPHQW 6ROXWLRQV
EXVLQHV

1RQ UHFXUULQJ OHJDO VHWWOHPHQW FKDUJHV±

±

±

\$GMXVWHG (% ,7'\$

)RUHLJQ H[FKDQJH QHW

\$GMXVWHG (% ,7'\$ H[FOXGLQJ IRUHLJQ
H[FKDQJH QHW

([KLELW

7(&+1,3)0& 3/& \$1' &2162/.'\$7(' 68%6,' ,\$5,(6
5(&21&,./,\$7,21 2) *\$3 72 121 *\$3),1\$1&,\$/ 0(\$685(6

([KLELW

7(&+1,3)0& 3/& \$1' &2162/, '\$7(' 68%6, ', \$5,(6
5(&21&,./,\$7,21 2) *\$3 72 121 *\$3),1\$1&,/\$/ 0(\$685(6
,Q PLOOLRQV XQDXGLWHG

7KUHH 0RQWKV (QGHG
0DUFK

6XUIDFH&RUSRUDWH
6XEVHD7HFKQRORJLSHMQVH

([KLELW

7(&+1,3)0& 3/& \$1' &2162/, '\$7(' 68%6,', \$5,(6
5(&21&./,\$7,21 2) *\$3 72 121 *\$3),1\$1&,\$/ 0(\$685(6
,Q PLOOLRQV XQDXGLWHG

6L[ORQWKV (QGHG
-XQH

6XUIDFH&RUSRUDWIRUHLJQ
6XEVD7HF KQROR JLSHQVH([FKDQJH QIRRWDO

5HYHQXH

± ±

2SHUDWLQJ SURILW ORVV DV UHSRUWHG SUH WD[

&KDUJHV DQG FUHGLWV

5HVVUXFWXULQJ LPSDLUPHQW DQG RWKHU FKDUJHV

±

*DLQ RQ GLVSRVDO RI OHDVXUHPHQW 6ROXWLRLQV EXVLQHV V ±

±

6XEWRWDO

±

'HSUHFLDWLRQ DQG DPRUWL]DWLRQ

±

\$GMXVWHG (% ,7'\$

————— ————— ————— ————— —————

)RUHLJQ H[FKDQJH QHW

± ± ±

\$GMXVWHG (% ,7'\$ H[FOXGLQJ IRUHLJQ H[FKDQJH QHW

±

2SHUDWLQJ SURILW PDUJLQ DV UHSRUWHG

\$GMXVWHG (% ,7'\$ PDUJLQ

\$GMXVWHG (% ,7'\$ PDUJLQ H[FOXGLQJ IRUHLJQ H[FKDQJH QHW

7 (& +1, 3) 0 & 3 / & \$1' & 2162 / , '\$7 (' 68%6, ', \$5, (6
5 (& 21 &, /, \$7, 21 2) * \$\$3 72 121 * \$\$3), 1 \$1 &, \$/ 0 (\$685(6
, Q PLOOLRQV XQDXGLWHG

- X Q H _____ 0 D U F K _____ - X Q H _____
& DVK D Q G F D V K H T X L Y D O H Q W V
6 K R U W W H U P G H E W D Q G F X U U H Q W S R U W L R Q R I O R Q J W H U P G H E W
/ R Q J W H U P G H E W O H V V F X U U H Q W S R U W L R Q
1 H W G H E W
=====

1 H W G H E W F D V K L V D Q R Q * \$\$3 I L Q D Q F L D O P H D V X U H U H I O H F W L Q J F D V K
* \$\$3 I L Q D Q F L D O P H D V X U H W R H Y D O X D W H R X U F D S L W D O V W U X F W X U H D Q
P H D Q L Q J I X O I L Q D Q F L D O P H D V X U H W K D W P D \ D V V L V W L Q Y H V W R U V L Q X Q G
W U H Q G V L Q R X U F D S L W D O V W U X F W X U H 1 H W G H E W F D V K V K R X O G Q R W E
F D V K H T X L Y D O H Q W V D V G H W H U P L Q H G L Q D F F R U G D Q F H Z L W K 8 6 * \$\$3 R U

