



5HYLVH WKH UHTXLUHG DSDUWKZON [XRORZWHUHQJ

/5)'	\$6'
)RU WKH SODW <sub>u</sub> ZDVKH <sub>u</sub> HUORD	)RU WKH SODW <sub>a</sub> ZDVKH <sub>a</sub> HUORD
$w_u = \frac{N_{ua}}{A_{brg}}$ $= \frac{NLSV}{( \quad ) LQ}$ $= \frac{NVL}{\quad}$	$w_a = \frac{N_{aa}}{A_{brg}}$ $= \frac{NLSV}{( \quad ) LQ}$ $= \frac{NVL}{\quad}$
)RU D LQ VWULS RI SODWH	)RU D LQ VWULS RI SODWH
$M_u = \frac{w_u l}{\quad}$ $= \frac{(N(VL)(LQ))}{\quad}$ $= \frac{NLS LQ}{\quad}$	$M_a = \frac{w_a l}{\quad}$ $= \frac{LQ (N(VL)(LQ))}{\quad}$ $= \frac{NLS LQ}{\quad}$

\$IWHU WKH ZHOORWLFHQ WKH DQGLQGVORHWHZHOGV V  
4 LQ ILOOHW ZHOGV

5HPRYH WKH KHDGLQJ<sup>3</sup> &RQLQXLW\ 3ODWH :H

,Q )LJ & ) GHULHSLOWZHQ/RI

,Q WKH HTXUDWLYH IRU

$$N = t_{br} + w + t_p \quad LQ \quad PP$$