

Va`af V]cf Xdb/SFWS` VTSdz3eegLZi fa
WWW [`W Z[UZ V_ Weja`e SdMh^W] [f
[e TWf fa Ua` fSf fZWb/SfW_ [^e adS efWW
eW]UWUWfW? S`k eW]UWUWfW i [^
Ugf efaU W b/SFWS` VTSd fa fZW]gefa_ Ž
Wle V_ Weja` S` dWg[dV Wfe Se i W` Se
bdh[VWSV]fa` S`eW]UW

3EF? 3% [efZWbdMHW_ SFWS`eS` Ž
Vsd/ Xdb/SFWS` VTSdz@afWZSf 3EF?
3') S YdSW " [ecg[fWUa_ _ a` Xid YgeW
b/SFWS` Tg/fžgb eZSbW S` V afZW VWS]e
i [fZ b/SFWSfZ]U WfZS` ° [ž5ZW] i [fZ S
XSTdUSfadXidYg]VS` UWF ZWVZSe` af TW
Se_ gUZ US` YWahWfZWVWb [` fW_e aX
_ SFWS`eW]fa` Xdb/SFWS` VTSd SeZSe
TW fZWLSeWi [fZ Zafžh^W eZSbW 3`
[_ badS` f XUF STagf b/SFWS` V TSD [e fZSf
Se fZ]U` W [UWSW fZW g_ TW aXSbb]Ž
LSTVBEF? eS` VsdVeS` VYdSW WUWSW
3`eal_ SFWS` ahW` [žfZ]U [e a` k ShS]Ž
STW` 3EF? 3% [Tgf i [fZ S_ [[g_
ebW]úWk]W efdWYfZ aX%\$] ež

Structural Fasteners

F ZW]e UgdWf`k S_ kd]SV aXefdgLŽ
fgdS`efWWeShS]ST`WWSUZ W]WabW Xid
ebW]úU Sbb[USf]a` ež 8ad efdgUfgd` Sbb]Ž
USf]a` e i ZW]a` k e` gYž[YZfWW Ta`fW
a[fe SdWdWg]dM` ai ŽfdWYfZ 3EF?
3%) Ta`fe SdWbW [ffW Tgf fkb]US`k
Ua` e]W]a` k XidW]a` Vsd_ W]TW ead
ai ŽaSV Sbb[USf]a` ež: [YZžfdWYfZ Ta`fe
egLZSe3EF? 3%\$` S` V3&+" SdWZW adW
Ua_ _ a` Uza[UW

F ZW]SdW]gd bM]Weja` [` Y_ WZaVe
aXTaf [` eS`Sf]a` eS` U]a` W]k fZWD5E5
ebW]úUSf]a` /ShS]ST`Wf www.boltcouncil.org
fi fgd ŽaXZVŽ gfi US]TdsfW i dWUZ
fi [eŽaX]k bW fWeja` Ž]a` fch^ Ta`fi S` V
V]dM]ŽWeja` Ž` V]USfad 8ad bM]Weja` W
S` V e]bž]d]f]US`Ta`fW a[fe a` W [^` WW
fa Ua` e]W] 3EF? 3%\$` S` V3&+" Z]YZŽ
efdWYfZ Ta`fe adS`fW Sf]hW] 8#` S` S` V
8SS*` fWeja` Ž]a` fch^ Ta`f SeeV T]VW

;X3EF? 3%\$` ad3&+" Z]YZžfdWYfZ
Ta`fe SdWgeW [` bM]Weja` W S` V e]bž
U]f]US` a[fe a` W]S` UZaaWfgd ŽaXZVŽ
`gf ad US]TdsfW i dWUZ ad W]W]fa
geW3EF? 8+ + V]dM]ŽWeja` Ž` V]USfad
i SeZWe fa WWW [` WfZSf fZW_ [[g_
W]W aX [` eS`Sf]a` bM]Weja` ZSe TW
bdh[VWZ;` S` USeW fZWbdM] eS`Sf]a`
hW]úUSf]a` dWg]dV Wfe aX fZWD5E5
ebW]úUSf]a` _ gef UZf a ! SV
!

UZ[! !

[fZue S'fZu `V`YaU

W[f]aEWA [`Ti q̇ [°

WST[eZw fZwW[_ badS` f dWg[dW Wfēz
3EF? 8# ' &[UgWwS 9 dVW ' i Z[UZ
LS` TWadWwW fa Egbb`W WfSck DWg[dW
_ Wf E# i Z[UZ WegdW i WSTI[fKzF ZWwW
[eS'tea S 9 dVW#'' XidZ[YZēfdWfZ Sbb`Z
LS[a` d i Z[UZ [e S ZWēZdWfW _ SfWIS^
ZWUW[f LS` `af TWadWwW fa Egbb`W WZ
fSck DWg[dW Wf E# fa WegdW WSTI[fKz
;f eZag`V TW afW fZSf fZdVWw dāVe
SdWfkb[US`k geW Xid fWeja` Ža` k TdSŪ
[`Y adi ZW fWeja` ZS` YWē SdWdWg[dWēz
EglZ fZdVWw dāVe _ Sk S'tea TWgeW Se
S`UZad dāM S'fZagYZ SdW af hWk Uā_ Ž
_ a`žBw 3EF? 8# ' & 3' (%ZVshkZw
ad S B ! « d
dāVd VV Ww[Ya` a ! S`UZaddāV aQ [