

úüüüüü ù ÷ óú þíù ù ÷ øüüö öüüóþ ý ñíðüð ú ðüðö üüíñþóðí óù óú



LGH

Djurgu_ dhg^bpbhg_ju (QHUFH
=p

HIBK:GB? IJH>MDPBBB



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FZc
AZf_gy_l ^hdmf_gl hl yg\Zjy



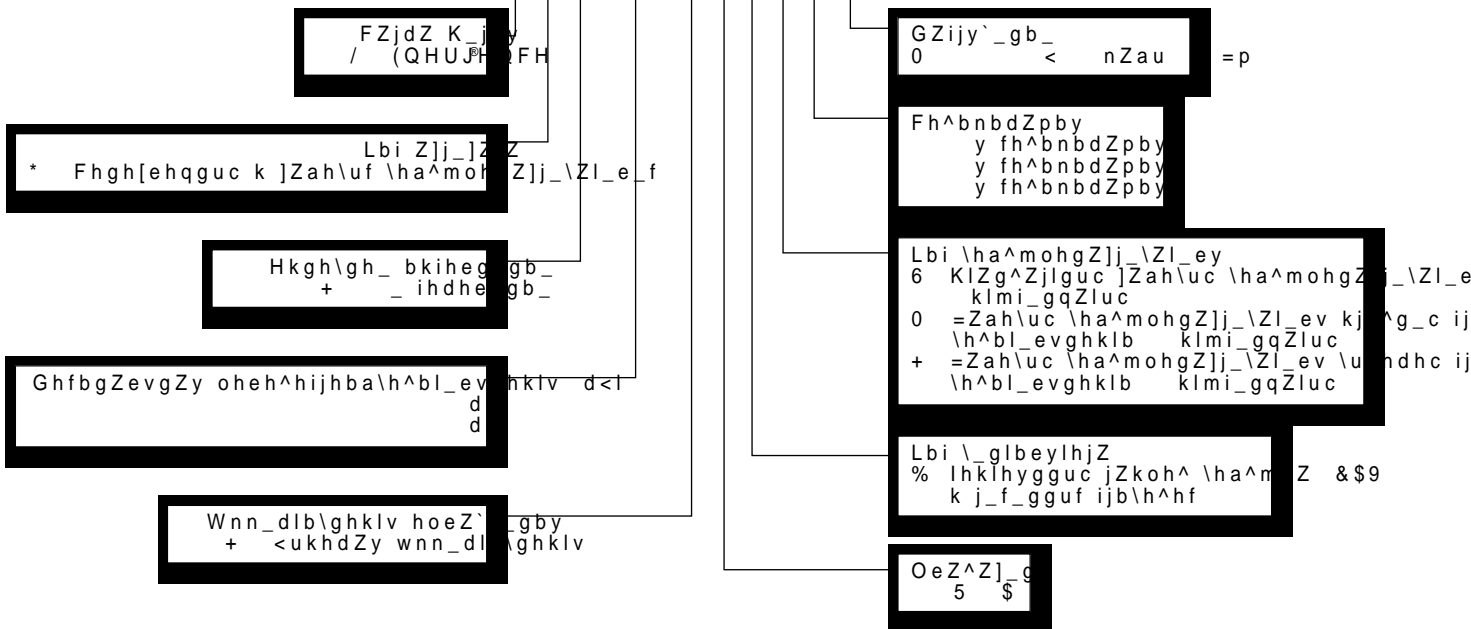
SMARTWIRE™ SYSTEM



HI ^h d<l hl ^h lhgg hoeZ`
Oheh^hijhba\h^bl_evghklv g_llh ± hl ^h ^dk<l hl ;L? q
L_iehijhba\h^bl_evghklv]Zah\h]h \ha^mohgZj]\ZI_eyh d<l hl ^h ;L? q

ÿ þ ø þí ÿüüðüüñü üüüðüí óüö

L G H 300 H 4 B S 1 M



Fhgh[ehqgu_djurgu_dhg^bpbhg_ju (QHUUHQFHŠ dhfiZgbb /HQQR[hkgZs_ggu_ ijhklhc \ wdkien fhc mijZ\le_gby hlebqZxlky bkdexqbl_evgh \ukhdhc wg_j]_lbq_kdhc wnn_dlb\ghklvx b h[_ki_qb\Zx_ljhwg_j]bb ;eZ]h^Zjy wlhfm ^Zggu_dhg^bpbhg_ju y\eyxlky b^_Zevguf j_r_gb_f ^ey kha^Zgby kbb dhg^bpbhgbjh\Zgby \ha^moZ k fbgbfZevgufb aZljZIZfb Hlebqbl_evgu_hkh[_gghklb djurguo dhg^b

- ‡ K_j\bkgu_iZg_eb gZ ih[Levqo_qb\Zxl [ukljuc b m^h[guc ^hklmi d \gmlj_ggbf dhfihg_gIZf Z]j_]ZIZ eb b djurm hl ih\j_`^_gby ijb l_ogbq_kdhf h[kem`b\Zgbb
- ‡ Bahebjh\Zgguc dhfij_kkhjguc hlk_d ± ijh_jdZ jZ[hllkikhkh[ghklb b dhgljhev jZ[hqbo iZjZf_ljh\ dhfij_kkhjZ [_a ij_ju\Zgby ihlhdZ h[jZ[Zlu\Z_fh]h \ha^moZ
- ‡ Kt_fguc g_j`Z_xsb ih^^hg ^ey k[hjZ dhg^_gkZIZ ±]b[dhklv ijbfg_g_gby ^he]h_qghklv b m^h[_b\Zgby Keb\gu_iZljm[db k[hdm beb kgbam
- ‡ L_jfhj_]mebjmxsb_ _glbeb h[_ki_qb\Zxl fZdkbfZevgmx oheh^hijhba\h^bl_evghklv Z]j_]ZIZ \h \
- ‡ KibjZevgu_dhfij_kkhju ± klZg^Zjlg_u dhfihg_glu ^ey \k_o fh^_e_c h[_ki_qb\Zxsb_ \ukhdmx g kjhd kem`[u Z]j_]ZIZ
- ‡ Dhg^_gkZlhj /HQQR[¶ (QYLURQÆ ± E_)dbc b dhfiZdlguc l_iehh[f_ggbd dhg^_gkZlhj
- ‡ <_glbeylhj k ihklhygguf jZkoh^hf \ha^moZ &\$9 h[_ki_qb\Z_l ih^Zqm \ha^moZ k ihklhygguf jZko
- ‡ :\lfZlbq_kdh_j_]mebjh\Zgb_gZly`_gb_ ijb\h^gh]h j_fgy _glbeylhjZ ^ZggZy hipby mklZgh\le \bl_e_ h[_ki_qb\Z_l klZ[bevgghklv jZ[hqbo oZjZdl_jbklbd _glbeylhjZ \ukhdbc mjh_gv dhfnhj ghklv b ^ebl_evduc kjhd kem`[u ijb\h^gh]h j_fgy
- ‡ Nbevlju 0(59 aZy\le_ggh_agZq_gb_fbgbfZevghc wnn_dlb\ghklb \ khh\l_kl\bb k \$6+5\$(gZ aZ\h^_ba]hlh\bl_e_beb gZ f_kl_fhglZ`Z h[_ki_qb\Zxl ih\ur_ggh_dZq_kl\h \ha^moZ \ h[k
- ‡ Nhev]bjh\ZggZy l_iehbaheypby gZg_k_ggZy gZ \k_o \gmlj_ggbo ih_joghklyo Z]j_]ZIZ khijbd lu\Z_fh]h \ha^moZ bkdexqZ_l ihiz^Zgb_f_edbo \hehdhg \ \ha^mrguc dZgZe Wlh ih\urZ_l dZq dhfnhjZ \ ihf_s_gbb
- ‡ KlZg^Zjlg_u dhfihg_glu < khklZ\ Z]j_]Zih\ \k_o lbihjZaf_jh\ \oh^bl [hevrh_dhebq_kl\h klZg^Z jh^Zjy wlhfm mf_gvrZ_lky Zkkhjlf_bf_gl ^_lZe_c ojZgysboky gZ kdeZ^_b aZ[bjZ_fuo ^ey j_fhgl

Kbkl_fZ mijZ\le_gby 3URGLJ\

<k_djurgu_dhg^bpbhg_ju k_jbb (QHUUHQFH hkgZs_gu gh\ufhthjgljhee_jhf 3URGLJ\ kh^bgy_l \ k[_emqrb_ ^hklb`_gby dhfhZgZblbHQQR[f mijZ\le_gby Bglmb\ gh ihgylguc bgl_jn_ck agZqbl_evgh mijhsZ_l gZkljhcdm ihbkd g_bkijZ\ghkl_c b l_ogbq_kdh_ h[kem`b\Zgb_Z]j_]ZIZ Dhgljhee_j h[_ki_qb\Z_l mq_l \j_f_gb jZ[hlu dZ`^h]h ba hkgh\guo dhf ihg_glh\ Z]j_]ZIZ Z lZd`_j_]bkljZpbx ^Zlu b \j_f_gb ijh_^_gby l_ogbq_kdh]h h[kem`b\Zgby beb j_fhglZ

Kbkl_fZ 6PDUW:LUHÆ

Kbkl_fZ 6PDUW:LUH mijhsZ_l mklZgh\dm dhfgZlgh]h l_jfhklZIZ beb ^ZlqbdZ bkihevamy ^ey wlhc p_eb jZat_fu k [md_ggh pbnjh\hc b p_lh\hc fZjdbjh\dhc dhlhjZy iha\hey_l ba[_`Zlv hrb[db ijb il e_c bkihevam_lky _^bgZy p_lh\Zy fZjdbjh\dZ dZ[_e_c Z dZ`^uc jZat_f hkgZs_g bglmb\gh ihgy mijhsZ_l ihbkd b mkljZg_gb_g_bkijZ\ghkl_c b l_ogbq_kdh_h[kem`b\Zgb_Z]j_]ZIZ

ü üö ö óú û ó üyüíóúüü ö ö ýpóóú óy ðí

KH>?J@:GB?

JZaf_ju ^hihegbl_evguo ijbGZ^e_`ghkl_c
L_ogbq_kdb_ oZjZdl_jbklbdb _glbeylhjZ
JZaf_ju
We_dljBq_kdb_ oZjZdl_jbklbdb
Hkh[_gghklb b ij_bfms_kl\Z
<ebygb_ \ukhlu gZ^ mjh\g_f fhjy
KljmdlmjZ mkeh\gh]h h[hagZq_gby
>hihegbl_evgu_ kbkl_fu j_]mebjh\Zgby l_fi_jZlmju
>hihegbl_evgu_ ijbGZ^e_`ghklb
:dmklbq_kdb_ oZjZdl_jbklbdb kgZjm`b ihf_s_gby
Kbkl_fZ mijZ\e_gby 3URGLJ\Š
GhfbgZevgu_ oZjZdl_jbklbdb
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JZaf_ju k\h[h^gh]h ijhkljZgkl\Z
FZkkZ Z]j_Z]lh\ b dhfihg_glh\

øüü þ üüñþóðí

1 Fgh]hnZd_evGZy]hj_edZ ba ZebLb
\Zgghc klZeb g_ikhj_`^kl\`_ggh_ bk
dj\h_ aZ`b]Zgb_ we_dljhguc ^Z
ieZf_gb ijbGm^bl_evGZy ih^ZqZ \h
^moZ \ ahgm]hj_gby j_a_j\guc Z\
fZlBq_kdbc h^gh beb ^\moklmi_gq
]Zah\uc deZiZg k jmqguf aZdjulb_
L_iehh[f_ggbd
Dh`mohljm[guc l_iehh[f_ggbd ba
ZebLbjh\Zgghc klZeb ijhr_e bkiu
lZgby gZ ^he]h\`qghklv
?keb l_fi_jZlmjZ kf_rZggh]h \ha^m
gb`_ fK lh g_h[oh^bfh mklZgh\
l_iehh[f_ggbd ba g_j`Z_xs_c klZ
^hihegbl_evGZy ijbGZ^e_`ghklv

þíüü öó íþíø ópöy ö- úíþøöþüðøí ©&(ª üý ö
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l_f_ aZa_fe_gby \ khh\`_lkl\bb k_bkiheg_gbb k_fzjdb
lj_[h\Zgbyfb klZg^Z]lh\ ih [_ah]kdhc ³&(`
ghklb ijb l_ogbq_kdhf h[kem`b\Zgg]kljmdpby lZdbo Z]j_]Zlh\ hl
ij_`ty\ey_fufb EZ[hjZlhjb_c ih khh\`_lkl\mxsf lj_[h\Zgbyf qlh
l_ogbd [_ah]Zkghklb 8/ b F_ih^mohgZy_l ijh^Z\lV bo \ kljZgZ
jh^ghc we_dljhl_ogbq_kdhc dhfihg_glu dZ ³&(` yley_lky h[yaZ]
FWD guf mkeh\b_f bkihevah\Zgby dju
Oheh^hijhba\h^bl_evghklv baf_guZdhg^bpbhg_jh\
ijb mkeh\byo j_]eZf_glbjh\Zgg]kljmdpby Z]j_]Zlh\ k fzjdbjh\
klZg^Z]lhf \$+5, Bg ³&(` h\`_qZ_l lj_[h\Zgbyf ^bj_d
klblml dhg^bpbhg]h\Zgby \ha^moZ h fzrbgghfm h[hjm^h\Zgbx
hlhie_gby b hoeZ`^_gby ijb ghfb (& ih gbadh\hevlghfm h
gZevghf gZijy`_gbb k_lb we_dljhm^h\Zgbx ((& ih we_dljh
iblZgby b ghfbgZevghf jZkoh^_fZ]gblghc kh\`_klbfhklb
\ha^moZ Kbkl_fZ dhgljhey dZq\`_lZb ih]Zah\hfm h[hjm^h\Zgbx
ijhba\h^akl\Z k_jlbnbpbjh\ZgZ \ kh ((& lh lj_[h\Zgbx aZdZa
hl_lkl\bb k lj_[h\Zgbyfb klZg^Z]lhf ^ey dZ`^h]h Z]j_]ZIZ k fzjdb
F_`^mgZjh^ghc hj]ZgbaZpbh\kdhc ³&(` \u^Z_lky ^_deZjZpbj\
klZg^Z]lbaZpb ,62 khh\`_lkl\bb lj_[h\Zgbyf mdZaZgguo
^bj_dlb\Zf

We_dljhggh_ aZ`b]Zgb_ aZiZe
ghc]hj_edb
We_dljhguc aZiZevgbd h[_ki_qb
gZ^`_gh_ g_ikhj_`^kl\`_ggh_ aZ`b
]Zgb_]hj_edb ijb ex[uo mkeh\byo
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jZaj_rZ_l hldjulb_]eZ\gh]h]Zah
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]hj_edb ljb bkq_agh_gbb ieZf_g
]Zah\uc deZiZg aZdju\Z_lky i_j_
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hkgZs_g k_lh^b^h^guf bg^bdZlhjh
hlh]jZ`Zxsbf_]h khklhygb_ b gZe
^b`_g_bkijZ\ghklb
Kbkl_fZ mijZ\e_gby jha`b]hf mklZ
gh\`_gZ gZ aZ\h^_ ba]hlh\bl_e_ \
h`_d_ mijZ\e_gby
H]jZgbqbl_evgu_ mkljhckl\Z
H]jZgbqbl_evgu_ mkljhckl\Z mklZ
gh\`_ggu_ gZ aZ\h^_ ba]hlh\bl_e_
bf_xl nbdkbjh\Zggmx mklZ\dm l_f
Z]lmju Mkljhckl\Z h]jZgbq_gby l_
Z]lmju aZsbsZxl l_iehh[f_ggbd
ijhqb_ dhfihg_glu hl i_j_]j_\Z
^Zg
Mkljhckl\Z aZsblu
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gh\`_b kbkl_fZ gZ^`^m\Z \ha^moZ
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kbkl_fu

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guo Z]j_]Zlh\ ih kjZ\g_gbx kh kld
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kbkl_fu
†AZsblZ we_dljBq_kdbo dhfihg_glu
hl ijyfh]h ijbDhkgh_gby \ khh\`_lkl\bb
kl\bb k lj_[h\Zgbyfb (1 kbkl_fu
†AZsblZ hl i_j_]jmadb \k_o we d
ljBq_kdbo p_i_c fhsghklvx >Zggg_ ^ey ih^[hjZ
d<l h[hjm^h\Zgby
†K[ehdbjh\Zgguc k ^_jvx aZibjZ_
fuc gZ aZfhd \udexqZl_ev jZat<`_h]]Zah\h]h gZ]j_\ZI_ey ±
gbl_ev bkdexqZxsbc \hafh`ghklZdZau\Z_lky h^bg ba ke_`^mx
^hklmiZ d we_dljBq_kdbf dhfihg_glu ijb[hjh\
lZf ijb \dexq_gghf we_dljhiblZ klZg^Z]lguc]Zah\uc gZ]j_\ZI_ev
gbb < dhfie_dl ihklZ\`db \oh^bl\`_moklmi_gqZluc d<l
\bkyqbc aZfhd ^ey [ehdbjh\`db \y
dexqZl_ey jZat_`^bgbl_ey \ HL`_d`_
Q?GGHF iheh`_gbb ba\h^bl_evghklb ^\moklmi_gqZluc
d<l
†<ukhdh\hevlgu_ b gbadh\hevlgu_
p_ib ijheh`_gu jZa^_evgh gZ aZah\uc gZ]j_\ZI_ev \ukhdhc ijh
^_ ba]hlh\bl_e_ ba\h^bl_evghklb ^\moklmi_gqZluc
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ü üö ö óú û ó üyüiíoúüüy ö ö ýpóóú óy ðî

øüû þ üiüñþóðî

øüû þ ü üîðóóüö

†ljkklZy qbkldZ b l_ogbq_kdh_ h[

Dhgkljmdpby dhgImjZ h[_ki_qb\Z_b\Zgb_ jZa^_evgZy dhgkljmdpbb

fZdkbfZevgmx y\gmx b kdjulmx L_ieh[hf_ggbd aZdj_ie_g gZ Zj_]_

>hihegbl_evgu_ ijbZgZ^e_ ghklb

^hijhba\h^abl_evghklv ijb jZkq_

kgübfhsvx fhglZ`guo djhgrl_cg\

mkeh\byo

k_j_abgh\ufb ijhdeZ^dZfb Wlh h[

MklZgZ\eb\Z fu gZ aZ\h^
lh\h\bl_e_

dhgImj fh`_l nmgdpbhgbjh\Zlv ijb

j_gb\Z_l mf_gvr_gb_ \b[jZpbc b a

L_ieh[hf_ggbd ba g_j`Z\`x-
s_c klZeb

l_fi_jZlmjZo hl ^h fK [_a

GZdehggZy iehkdZy dhgkljmdpby

G_h[oh^bf _keb l_fi_jZlmjZ kf_oeZ^AZ]_gl 5 \$

bkihevah\Zgby ^hihegbl_evguo

a\hey_l aZsblblv l_ieh[hf_ggbd l

rZgghjh \ha^moZ himkdZ_lky gb_oeZ^AZ]_gl 5 \$ g_kh

5 \$ g_kh

ih\j_`_gby jZ^hf b ^jm]bo g_`_e

MklZgZ\eb\Z fu gZ f kl_ wdkj`bl_oejhZ`b
iemZIZpbb beb gZ aZ\h^_ ba
lh\bl_e_

h_jZajmrZ_l hahgh\uc kehc

BkiZjbl_ev

L_ieh[hf_ggbd ba f_`guo ljm[kZe

Gbadhl_fi_jZlmjguc we_dlj`_j]Zlu \k_o fh^_e_c hkgZs_gu

2 KibjZevgu_ dhfij_kkhju

fbgb_\uf jbone_guf hj_[j_gb_f

gZ]j\`Zl_ev ^ey _klb[xe_c kibjZevgufb dhfij_kkhjZfb qlh

dhfij_kkhjZfb qlh

ljm[u kh_`bg_gu jZa\Zevph\dhc \

We_dljhgZ]j\`Zl_ev Z\lhfZlbg_kdb`_ki_qb\Z_l fZdkbfZevgmx wnb

l_b\ghklv b gZ^`_ghklv Z lZd`_

p_eyo ih\ur_gby l_ieh[hf_ggbd ba ljm

h[_ki_qb\Z_l ih^`_j`Zgb_fgb l_b\ghklv b gZ^`_ghklv Z lZd`_

h\ghklv b gZ^`_ghklv Z lZd`_

g_b\ghklv hqguc l_ieh[hf_ggbd ba ljm

fZevghc ^himklbfhc l_fi_jZlmjguc wnb`_mjh\`gv rmfZ

mjh\`gv rmfZ

k \gmlj_ggbf hj_[j_gb_f iha\hey_l

hik_d_]Zah\h]h \ha^mohgZ]j\`Zl_ev`_ey`_kgb`_gby mjh\gy rmfZ dhfij

dhfij_kkhjZfb qlh

h_kfbabjh\Zlv y\gmx b kdjulmx oh

ijb l_fi_jZlmj`_gZjm`_gh]h \ha^moZ`_ey`_kgb`_gby mjh\gy rmfZ dhfij

khju mklZgh\`e_gu gZ mijm]bo j

h_b\ghklv ba\h^abl_evghklv Gbadh_ Zwj

gb`_`_F&

\uo ijhdeZ^dZo

gZfbq_kdh_ khijh\le_gb_ [eZ]h^AZ

MklZgZ\eb\Z fu gZ f_kl_
wdkiemZIZpbb

lh^h]j\`Zl_ev dZjl_jh\ dhf-
ij_kkhjh\

[hevrhfm rZ]m hj_[j_gby

<kIZ\db ^ey aZ[hjZ \ha^moZ]h`_ey`_l ba[_`Zlv ihiz^Zgby fZkeZ

ij_kkhjh\

Bkihevamxky l_ieh[hf_ggbd jZa

]hj_gby

l_gmljv dhfij_kkhjZ \h \j_fy jZ

^_evghc dhgkljmdpbb

J_dhf_g^mxlky d ijbfg_g_gbx kh`_ijb gbadbo l_fi_jZlmjZo hdjm`_Z

ijb gbadbo l_fi_jZlmjZo hdjm`_Z

Lu_jfhj_]mebjmxsb_ _glbeb

\f_klgh k dhfie_dlhf m^ebg_gby`_h \ha^moZ

h \ha^moZ

Hf`_ki_qb\Zxl hilbfZevgmx ijhba\h^ab

^ufhoh^Z \ mkeh\byo dh]AZ [hevrh`_kdhie_gb_ kg_]Z fh`_l ijb\`_klb`_h

3 L_ieh[hf_ggbd dhg^_gkZlhj

L_e_ \ukhdh]h ^Z\`e_gby

[ehdbjh\d_ \ha^mohaz[hjgh]h h\`_HQQR[† (QYLURQÆ

4 HQQR[† (QYLURQÆ

h`_ki_qb\Zxl hilbfZevgmx ijhba\h^ab

klby AZdZau\Zxlky ^\Z dhfie_dlj`_Z]Zlu hkgZ

5 Nbevlju hkmrbl_ev

L_e_ \ukhdh]h ^Z\`e_gby

s_gu e_]dbfb

h`_ki_qb\Zxl hilbfZevgmx ijhba\h^ab

Nbevlju hkmrbl_ev [hevrhc _fdhkl

Dhfie_dl ^ey bkihevah\Zgby`_b dhfiZdlgufb

b dhfiZdlgufb

aZsbsZxl dhgImj hl]jyab b \eZ]b

k`b`_gggh]h g_nlygh]h]ZaZ`_l_ieh[hf_g

l_ieh[hf_g

J_e_ \ukhdh]h ^Z\`e_gby

ijhiZgZ`_gbdZfb dhg

gbdZfb dhg

AZsbsZxl dhfij_kkhju hl i_j_

Dhfie_dl ^ey i_j_oh^Z k ijbjh^gh`_g`_gkZlhjZfb

g`_gkZlhjZfb

]jmadb \hagbdZxs_c gZijbf_j ij

]ZaZ gZ k`b`_gguc g_nlyghc]ZaZ`_g`_gkZlhjZfb

g`_gkZlhjZfb

aZ]jyag_gbb dhg^_gkZlhj\`_mf_g

iZg AZdZau\Zxlky ^\Z dhfie_dlj`_f`_gb_\uo ljm[

f`_gb_\uo ljm[

gbb jZkoh^Z oeZ^AZ]_glZ beb g_bk

Dhfie_dl ^ey m^ebg_gby \ha^m`_k_Zexfbgb_\uf

k_Zexfbgb_\uf

ghklb _glbeylhjh\`_dhg^_gkZlhjZ

oh\h^Z \ _jlbZevghf gZijZ`_h_j_[j_gb_f iZygZy dhgkljmdpby

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<ha]Zl \ bkoh^gh_ khklhygb_ hkr

ÿöÿ óúí ýþîðùóúö 352',* <®

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JZkrbj_ggZy ^bZ]ghklbdZ g_l >hihegbl_evgu_ ijbZG^e`ghklb
 ijZ\ghkl_c ± ;he__ khh[s_gb]mklZgZ\eb\Z fu_gZ f kl_ wdk
 khklhygbb b g_bkijZ\ghklyo Z]j_ZfZfZpbb beb_gZ aZ\h^_ ba]f
 gZ Zg]ebckdhf yaud_ lh\bl_e_
 J_`bfu mijZ\le_gby \uly`guf J_e_ ijb]lqqgh]h _glbeylhjZ
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 gh]h deZiZgZ gZjm`gh]h \ha^mZ_ ghklb ijb]lqqgh]h _glbeylhjZ
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 h[s_gbc dh^h\ Nbdkbbjm_l ih\ur_gb_ i_j_iZ^Z klZ
 MkIz\db mijZ\le_gby baf_gy_fu T bq_kdh]h ^Z\le_gby mdZau\Zxs_
 gZ f kl_ wdkiemZIZpbb ± ;he__ aZ]jyag_gb_ nbev]jZ
 aebqguo mkIz\hd mijZ\le_gby <oh^ ^ey ^ZlqbdZ dZq_kl\Z \
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 l_fi_jZlmj_ ± jZ[hIz \ j_`bf_ hoh\h\bl_e_
 eZ^_gby ijb l_fi_jZlmj_ ^h f_i_jZlmjZ gZjm`gh]h \ha^mo
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 Z_bkijZ\ghklb i_j_kk]Z ijb]lqqgh]h \ha^moZ dhgljhee_j ih^
 Ih^dexq_gb_ d k_lb ± Fh`_l [uly_ ibIzGb_ gZ i_j\mx klmi_gv gZ]j_\Z
 hke_ ^h\Zl_evgh ih^dexq_g d ^im]fZf >Zlqbd aZdZau\Z_lky \
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 sz_l \j_fy gZkljhcdm _qZlv gZ kijZ[Zlu\Zgb_ _g_rg_] h_a
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 l_evgh]h bg_l_jn_ckZ 86% ± ljh ih j_e_
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 i_j_^ZqZ bgnhj gZebaZpbb ± Q_luj_ hipbb ^moZ beb ieZIZ ibIzGby b ^\Z ^Zl
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Dhfi_e_dl ^ey m^ebg_gby \ha^moh\h^Z _j]bdZevghf gZ & (;71 : ; ;
ijZ\e_gbb

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Kbnhg \ kbkl_f_ hl\h^Z dhg^_gkZIZ Iheb\bgbeohjb^ l<O ±0 2; 2;
& 75\$3 \$'

F_^v ± & 75\$3 \$' : 2; 2;

AZsbIZ hl dhjjhabb MklZgZ\eb\Z_IHy H
gZ aZ\h^

J_e_mjh\gy \h^u \ ih^^hg_ ^ey hl\h^Z dhg^_gkZIZ (6165 \$' : 2; 2;
Wnn_dlb\ghklv <ukhdZy MklZgZ\eb\Z_IHy H
gZ aZ\h^

OeZ^Z]_gl 5 \$ MklZgZ\eb\Z_IHy H
gZ aZ\h^

IeZklbdh\uc ih^^hg ^ey k[hjZ dhg^_gkZIZ MklZgZ\eb\Z_IHy H
gZ aZ\h^

Ih^^hg ^ey k[hjZ dhg^_gkZIZ ba g_j`Z_xs_c klZeb & '3\$1 ' : 2; 2;

Kbnhg \ kbkl_f_ hl\h^Z dhg^_gkZIZ Iheb\bgbeohjb^ l<O ±0 2; 2;
& 75\$3 \$'

F_^v ± & 75\$3 \$' : 2; 2;

AZsbIZ hl dhjjhabb MklZgZ\eb\Z_IHy H
gZ aZ\h^

J_e_mjh\gy \h^u \ ih^^hg_ ^ey hl\h^Z dhg^_gkZIZ (6165 \$' : 2; 2;
Wnn_dlb\ghklv <ukhdZy MklZgZ\eb\Z_IHy H
gZ aZ\h^

OeZ^Z]_gl 5 \$ MklZgZ\eb\Z_IHy H
gZ aZ\h^

IeZklbdh\uc ih^^hg ^ey k[hjZ dhg^_gkZIZ MklZgZ\eb\Z_IHy H
gZ aZ\h^

Ih^^hg ^ey k[hjZ dhg^_gkZIZ ba g_j`Z_xs_c klZeb & '3\$1 ' : 2; 2;

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We_dljh^b]ZI_eb K j_f_gguf ijb\h^hf ± MklZgZ\eb\Z_IHy 2
gZ aZ\h^

K j_f_gguf ijb\h^hf ± MklZgZ\eb\Z_IHy 2
gZ aZ\h^

K j_f_gguf ijb\h^hf ± MklZgZ\eb\Z_IHy 2
gZ aZ\h^

Dhfi_e_dlu ijb\h^Z Dhfi_e_dl < h[MklZgZ\eb\Z_IHy 2
gZ aZ\h^

IJBF?Q:GB? DZIZeh`guc ghf_j b ghf_j fh^_eb ijb_^_gu ^ey aZdZaZ ijbGZ^e`ghkl_c mklZgZ\eb\Z_fuo gZ f_ 2; ± MklZgZ\eb\Z_Iky gZ aZ\h^_ ba]hl\bl_e_ dhgnb]mjZpby \u[bjZ_Iky ijb aZdZa_ beb gZ f_kl_ wdkiemZIZp 2 MklZgZ\eb\Z_Iky gZ aZ\h^_ ba]hl\bl_e_ dhgnb]mjZpby \u[bjZ_Iky ijb aZdZa_

Fhgh[ehqguc p_gljZevguc dhg^bpbhg_j k]Zah\uf \ha^mohgZ]j_]Zi ba \h^QIhUj]hQK^hl ^h d<l =p Klj

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Dhfihg_gl

Fh^_ev DZIZeh`gucLbihjZaf_j
ghf_j Z]j_]ZIZ

MdZaZgby ih ijbfg_gbx b ih^[hjm ijb_^_gu \ DZ]f[eb pdl <	h[MkIzgZ\eb\Z_Iky	2
l_ogbq_kdbo oZjZdl_jbklbd _glbeylhjZ	gZ aZ\h^	
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
Dhfi_e_dl <	h[MkIzgZ\eb\Z_Iky	2
: \hfZlbg_kdh_ j_]mebjmkZgZ\eb\Z_Iky	gZly`_gb_ ijb\h^gh]h j_fggyZ_gZ\h^	2
l_beylhjZ		

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AZsblgu_ j_r_ldb l_ieh[hfgbdh\	& *\$5'	:	:
AZsblgu_ j_r_ldb	& *\$5' '	.	:
We_f_glu aZsblu hl]jZ^Z	& *\$5'	:	:
Dhfi_e_dl iZg_e_c ^ey ih^kh_^bg_gby \ha^moh\h^h\ k[hdm	.	.	:

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J_e_ ijbhgh]h _glbeylhjZ	& 6165))	:	2;	2;
Kbkl_fZ mijZ\e_gby 3URGLJ\Š: Fh	^mev %\$&QHS & &75/ \$(/	2;	2;	
Kbkl_fZ mijZ\e_gby 3URGLJ\Š: Fh	^mev /RQ7DONS & &75/))	2;	2;	
Dhgljhee_j Z]j_]ZIZ 1RYDUŠ {70	(&75/ &	2;	2;	
1RYDUŠ MklZgZ\eb\Z_Iky	gZ aZ\h^			H

>Zlqbd aZ]jyag_gby nbevljZ (6165 & : 2; 2;

>Zlqbd l_fi_jZlmju ijbhgh]h \ha^moZ MklZgZ\eb\Z_Iky gZ aZ\h^ H

L_fi_jZlmjZ gZjm`gh]h \ha^moZ & 6165 \$' : 2; 2;

>Zlqbd ^ufZ ± <ha^moh\h^ ijbhgh]h beb j_pbjdmeypbhg&h6165 & : 2; 2;

]h \ha^moZ ieZIZ iblZgby b h^bg ^Zlqbd & 6165 & : 2; 2;

>Zlqbd ^ufZ ± <ha^moh\h^ ijbhgh]h b j_pbjdmeypbhg& 6165 & : 2; 2;

]h \ha^moZ ieZIZ iblZgby b ^Z ^ZlqbdZ

J_e_ ij_^_evgh]h ^Z\e_gby ijbhgh]h \ha^moZ & 6165 \$(0 ; ;

J_e_ ij_^_evgh]h ^Z\e_gby ijbhgh]h \ha^moZ ± Dhfi_e_d& 6165 \$(0 ; ;

^ey fhgblhjb]Z

>Zlqbd ^Z\e_gby ijbhgh]h \ha^moZ & 6165 \$(0 ; ;

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<ha^mrgu_ nbevlju

<ukhdhwnn_dlb\gu_ \ha^mrgu_ nbevlju +HDOWK\ & O(59 W&H)/75 ' : 2; 2;

[[ff dhfi_e_dl ba rl ^ey h^gh]h Z]j_]ZIZ(59 &)/75 ' : 2; 2;

Nbevlj kh kt_fguf nbevljmxsbf fZl_jbZehf k f_lZeebq_ &)/75 ' 1 ; ;

kdhc k_ldhc \dexqZy nbevljmxsbc fZl_jbZe g_yq_cdh\uc [[ff dhfi_e_dl ba rl ^ey h^gh]h Z]j_]ZIZ

>Zlqbdb dZq_kl\Z \gmlj_gg_]h \ha^moZ dhgp_gljZpbb &2

>Zlqbd ± >ey gZkl_ggh]h fhglZ`Z [_eZy ieZklbdh\Zy dj&r 6165 \$(/ 1 ; ;

dZ k @D ^bkie__f

>Zlqbd ± >ey gZkl_ggh]h fhglZ`Z [_eZy ieZklbdh\Zy dj&r 6165 \$(/ 1 ; ;

dZ [_a @D ^bkie_y

>Zlqbd ± Q_jguc ieZklbdh\uc dhjimk k @D ^bkie__f ^ey& 6165 \$(/ 1 ; ;

mklZgh\db \ie_gmf

IJB?Q:GB? DZIZeh`guc ghf_j b ghf_j fh^_eb ijb_^_gu ^ey aZdZaZ ijbGZ^e`ghkl_c mklZgZ\eb\Z_fuo gZ f_ 2; ± MklZgZ\eb\Z_lky gZ aZ\h^_ba]h\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_ beb gZ f_kl_ wdkiemZIZp 2 MklZgZ\eb\Z_lky gZ aZ\h^_ba]h\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_

Fhgh]ehgguc p_gljZevguc dhg^bpbhg_j k]Zah\uf \ha^mohgZ]p_\Z]hba\h^QIHUjHCKFh hl ^h d<l =p Kl

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Dhfihg_gl	Fh^_ev DZIZeh`gucLbihjZaf_j ghf_j Z]j_]ZIZ		
>Zlqbd ± >ey gZkl_gghjh fhglZ`Z q_jguc ieZklbdh\uc dh& 0,6& \$(imk [_a @D ^bkie_y ^ey mklZgh\db \ie_gmf	1	; ;	
Dhfi_e_dl ^ey fhglZ`Z ^ZlqbdZ dhgp_lj^Zpbb & 2 \h^_ ± >ey Z]j_]Zlh\ k ih^kh^bg_gb_f \ha^moh\h^h\ kgbam	& 0,6& \$(/	; ;	
<ha^mrgZy dZf_jZ ± >ey fhglZ`Z \ \ha^moh\h^_ ^Zlqbdh\ & 0,6& \$(dhgp_gljZpbb & 2 ij^gZagZq_gguo ^ey ie_gmfZ 1 beb 1	1	; ;	
Dhfi_e_dl mevljZnbhe_lh\uo [Zdl_jbpb^guo eZfi			
Dhfi_e_dl MN eZfi +HDOWK\ &OLPDWHŠ < nZaZ	MklZgZ\eb\Z_lky gZ aZ\h^_	2	
ùóø þö óÿøó öüýüüôû			
K_lv iblZgby =p k gme_\uf ijh\h^gbdhf \ fh^_eyo k fZjdbjh\dhc ^3&(' gme_hc ijh\h^gbd hlkmlkl\m_l	< nZMklZgZ\eb\Z_lky gZ aZ\h^_	2	
iblZgb_ eZfiu hkms_kl\ey_lky hl h^ghnZaghc k_lb gZijy`_gb_f hl k_lb < lh \ p_iv iblZgby mklZgZ\eb\Z_lky ihgb`Zxsbc ljZgknhjZlhj	< ?keb iblZgb_ djurguo dhg^		
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KlZg^Zjlguc wdghgfZca_j			
KlZg^Zjlguc wdghgfZca_j :]j_]Zlu k ih^kh^bg_gb_f \ha^moh\h^h\ kgbam beb k[hdm ± < dhfi_e_dl ihklZ\db \oh^bl dhauj_d ^ey aZsblu hl Zl fhkn_jguo \ha^_ckl\bc lj^_hojZgbl_evgu_ deZiZgu ^ey mklZgh\db \ _j]bdZevguo beb]hjbahglZevguo \ha^moh\h^Zo aZdZau\Zxlky hl^_evgh	((&21 ' : 8	2; R[
<ukhdhwnn_dlb\guc wdghgfZca_j			
<ukhdhwnn_dlb\guc wdghgfZca_j :]j_]Zlu k ih^kh^bg_gb_f \ha^moh\h^h\ kgbam beb k[hdm ± < dhfi_e_dl ihklZ\db \oh^bl dhauj_d ^ey aZsblu hl Zl fhkn_jguo \ha^_ckl\bc lj^_hojZgbl_evgu_ deZiZgu ^ey mklZgh\db \ _j]bdZevguo beb]hjbahglZevguo \ha^moh\h^Zo aZdZau\Zxlky hl^_evgh	((&21 ' : 8	2; R[
Mkljhckl\Z mijZ\e_gby wdghgfZca_jhf			
Mkljhckl\h mijZ\e_gby ih jZaghkIb wglZevibc dhfi_e_dIZ & 6165)) : MijZ\e_gb_ ih l_fi_jZlmj_ >Zlqbd \oh^bl \ dhfi_e_dIMklZgZ\eb\Z_lky gZ aZ\h^_		2; R[
Mkljhckl\h mijZ\e_gby ih wglZevibb & 6165)) : H[s_ _ mijZ\e_gb_ mijZ\e_gb_ ih wglZevibb >Zlqbd ihklZ\ey_lky aZMklZgZ\eb\Z_lky gZ aZ\h^_		2; 2;	
MijZ\e_gb_ ih jZaghkIb l_fi_jZlmj_ >Zlqbd \oh^bl \ dhfi_e_dIMklZgZ\eb\Z_lky gZ aZ\h^_		2	
lj^_hojZgbl_evgu_ deZiZgu			
lj^_hojZgbl_evgu_ deZiZgu ^ey _j]bdZevguo \ha^moh\h ('\$03 ' : ^h\ dhaujvdb \oh^yl \ dhfi_e_dl ihklZ\db		2; 2;	
lj^_hojZgbl_evgu_ deZiZgu ^ey]hjbahglZevguo \ha^moh\h\$*('+ ^h\ dhaujvdb \oh^yl \ dhfi_e_dl ihklZ\db	.	2; 2;	
ûîþ ôû ÷ ðüðó			
DeZiZgu gZjm`ghjh \ha^moZ k dhaujvdZfb gZ^ \ha^moh\uimkdgufb hl_jklbyfb			
K we_dljhijb\h^hf ('\$03 ' : K jmqguf ijb\h^hf ('\$02 ' : ð ôûü÷ ðóû öù üþ	9 (3:5(' 0 : :	2; 2;	
úüü îôû ó þíú			
Dhf[bgbjh\Zggu_ fhglZ`gu_ jZfu ih^kh^bg_gb_ \ha^moh\h^h\ kgbam			
<ukhlZ ff & &85% ') : <ukhlZ ff & &85% ') : <ukhlZ ff & &85% ') : KlZg^ZjlgZy fhglZ`gZy jZfZ k ih^kh^bg_gb_f \ha^moh\h^h\ k[hdm ± G_h[oh^bfh mklZgh\blv khhl gbl_evguoc dhfi_e_dl iZg_e_c	/\$50)+ /\$50)+	; ; ; ; ; ;	

IJB?Q:GB? DZIZeh`guc ghf_j b ghf_j fh^_eb ijb\^_gu ^ey aZdZaZ ijbGZ^e`ghkl_c mklZgZ\eb\Z_fuo gZ f_ 2; ± MklZgZ\eb\Z_lky gZ aZ\h^_ ba]h\h\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_ beb gZ f_kl_ wdkiemZIZp 2 MklZgZ\eb\Z_lky gZ aZ\h^_ ba]h\h\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_

Fhgh[ehqguc p_gljZevguc dhg^bpbhg_j k]Zah\uf \ha^mohgZ]p_ Z]hba\h^QIHUJHCKW hl ^h d<l =p Klj

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Dhfihg_gl

Fh^_ev DZIZeh`gucLbihjZaf_j
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Dhfi_e_dl iZg_e_c ^ey ih^kh_^bg_gby \ha^moh\h^h\ k[hdm_g_h[oh^bf	.	;	;
Dhfi_e_dl baheypbb klZg^Z]lghc fhglZ`ghc jZfu ^ey Z]j_]Z]h\ k ih^kh_^bg_gb_f \ha^moh\h^h\ k[hdm_g_h[oh^bf	.	;	;
>ey /\$50)+	.	;	;
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<uklmiZxsbc ± Dhfi_e_dl rl	/\$57'	.	;	;
Fhglbjm_fuc aZih^ebph k ih^_kguf ihlhedhf ± Dhfi_e_dl rl	/)\$)'	.	;	;
I_j_oh^gbd ^ey ijb]hqqh]h b j_pbjdmeyppbhggh]h \ha^moh\h\$657	.	;	;	
^h\ ± Dhfi_e_dl rl				

IJBF?Q:GB? DZIZeh`guc ghf_j b ghf_j fh^_eb ijb_^_gu ^ey aZdZaZ ijbGZ^e`ghkl_c mkIZgZ\eb\Z_fuo gZ f_2; ± MkIZgZ\eb\Z_lky gZ aZ\h^_ba]hlh\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_ beb gZ f_kl_ wdkiemZIZp2 MkIZgZ\eb\Z_lky gZ aZ\h^_ba]hlh\bl_e_ dhgnb]mjZpby \u[bjZ_lky ijb aZdZa_

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H[sb_oZjZd- l_jbklbdb	Ghf ijhba\h^bl_evghklv d<l lhgg h	oeZ`^_gby		
	Fh^_ev	/*+ + %	/*+ + %	
	Wnn_dlb\ghklv	<ukhdZy	<ukhdZy	
	Lbi _glbeylhjZ	kjZkoh^ \ha^moZ	Zhk&\$PZkoh^ \ha^moZ	&\$9
JZ[hqb_oZ- jZdl_jbklbdb	Oheh^hijhba\h^bl_evghklv [jmlh	d<l ;L? q		
kbkl_fu ho- eZ`^_gby	Oheh^hijhba\h^bl_evghklv g_llh	d<l ;L? q		
	Ghf jZkoh^ \ha^moZ ih klZg^Zjlm \$+5,	e k nml		
	KmffZjgZy ihlj_[ey_fZy fhsghklv	d<l		
	((5 ;L? q	<l		
	,((5 ;L? q	<l		
	OeZ^Z]_gl	5 \$	5 \$	
	FZkkZ aZijZ\e_ggh]h oeZ^Z]_glZDhglmj	d] nmglh\	mgpb[d] nmglh\	mgpb[c]
	dhglmj	d] nmglh\	mgpb[d] nmglh\	mgpb[c]
	Dhglmj	d] nmglh\	mgpb[d] nmglh\	mgpb[c]
	Dhglmj	d] nmglh\	mgpb[d] nmglh\	mgpb[c]

L_iehijhba\h^bl_evghklv jZah\h]h \ha^mohgZ]j_Zl_KyZg^fZjkgZy klmi_gb kj^gyy klmi_gb dZy klmi_gb

Lbi dhfij_kkhjZ	dhe \h	KibjZevguc	KibjZevguc
GZjm`guc l_ieh- h[f_ggbd	KmffZjgZy iehsZ^v njhglZevgh]h kmm_gby f		
	Dhebq_kl\h]y^h\		
	Dhe \h j_[_j gZ ih]hgguc f_lj j_[_j gZ ^xcf		
<_glbeylhju gZjm`gh]h dhglmjZ	We_dljh^b]Zl_ev dhe \h	<l e k	
	QZklhIZ \jZs_gby ^b]Zl_ey h[fbg		
	KmffZjgZy ihlj_[ey_fZy fhsghklv ^b]Zl_ey	<l	
	>bZf_lj jZ[hq_]h dhe_kZ	ff ^xcf	
	Dhe \h ehIZhd jZ[hq_]h dhe_kZ		
	KmffZjguc jZkoh^ \ha^moZfbg	k nml	

<gmlj_ggbc l_iehh[f_g- gbd	KmffZjgZy iehsZ^v njhglZevgh]h kmm_gby f		
	>bZf_lj ljm[ff ^xcf		
	Dhebq_kl\h]y^h\		
	Dhe \h j_[_j gZ ih]hgguc f_lj j_[_j gZ ^xcf		
	Keb\ghc iZljm[hd dhe \h	b jZkfgghfZevghc ljm[ghc	ghjZevghc ljm[ghc
	j_av[hc	j_av[hc	

We_dljh- ^b]Zl_ev _glbeylhjZ \gmlj_gg-] dhglmjZ	GhfbgZevgZy ihlj_[ey_fZy fhsghklv we	d_dZkZgZg_rgbf mjZ\gb\Zgb_f ^Z\ev_gby kh kt_fgbc]h		
	FZdkbfZevgZy ihlj_[ey_fZy fhsghklv	e k ± d<l e k ± d<l		
	Dhfie_dl ijb\h^Z	d<l e k		
	Dhfie_dl <	h[fbg		
	Dhfie_dl <	h[fbg		
	Dhfie_dl <	h[fbg		
	Dhfie_dl <	h[fbg		
		d<l e k		
	Dhfie_dl <	h[fbg		
	Dhfie_dl <	h[fbg		
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	Dhfie_dl <	h[fbg		

JZ[hq__ dhe_kh _glbeylhjZ	ghfbgZevguc ^bZf_lj	[rbjbgZ ff ^xcf [[[[[[
Nbevlju	Lbi nbevljh\	Kl_deh\hehdgh kf_gguc nbevljmxsbc fZl_jb
	Dhe \h b jZaf_ju ff ^xcf	[[[[[[[[[[[[

We_dljbq_kdb_oZjZdl_jbklbdb		< nZau 1 =p \fh^_eyo k fZjdbj ^3&('gme_hc ijh\h^gbd hlkml\m_l
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IJBF?Q:GB? Oheh^hijhba\h^bl_evghklv g_llh jZkkqblZgZ k mq_lhf l_ieZ hl\h^bfh]h hl we_dljh^b]Zl_ey _glb
h^bl_evghklv [jmlh jZkkqblZgZ [_a mq_lZ l_ieZ hl\h^bfh]h hl we_dljh^b]Zl_ey _glbeylhjZ bkiZjbl_ey
BkiulZgby ijh\^_gu ijb mkeh\byo hl_qZxsbo lj_[hZgbyf klZg^ZjZ \$+5, l_fi_jZlmjZ gZjm`gh]h \ha^m
gZ \oh^_bkiZjbl_ey fK ih kmohfm l_jfhf_ljm beb fK ih \eZ`ghfm l_jfhf_ljm jZ[hIZ k fbgbfZevguf \g_rgb
ghfbgZevguf jZkoh^hf \ha^moZ ijb iblZgbb hl k_lb k ghfbgZevguf gZijy`_gb_f
AgZq_gb_ ,((5 ,QWHJUDWHG (QHUI\ (l;FLHQF\ 5DWLR ± kmffZjgZy wg_j]_lbq_kdZy wnn_dlb\ghklv jZkkq
\$+5, ijb ghfbgZevghf jZkoh^ \ha^moZ b iblZgbb hl k_lb k ghfbgZevguf gZijy`_gb_f
AZ^Zl kmffZjguc jZkoh^ \ha^moZ b lj_[m_fh_klZlq_kdh ^Z\ev_gb \ kbkl_f`fh`gh hij^_ebv ih lZ[ebp_jZ
kdjhklv b ihlj_[ey_fmz fhsghklv we_dljh^b]Zl_ey lhdZaZgZ fZdkbfZevgZy ^himklbfZy ihlj_[ey_fZy fhsghklv
fZevgZy ihlj_[ey_fZy fhsghklv we_dljh^b]Zl_ey mdZaZgZ \ lZ[ebp_l_ogbq_kdbo oZjZdl_jbklbd j_f_ggh]h ijb
^b]Zl_ey ijb[ebabl_evgh k h^bgZdh\hc ihlj_[ey_fhc fhsghklv \h ke^abl_ qlh[u mkeh\by wdkiemZlZpbb kh
guf gZ aZ\h^kdhc lZ[ebqd_ we_dljh^b]Zl_ey

Fhgh[ehqguc p_gljZevguc dhg^bpbhg_j k jZah\uf \ha^mohgZ]P_Zl_hba\h^QIHUJHCKFW hl ^h d<l =p Klj

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OZjZdl_jbk lbdZ	Fh^_ev	/*+ /*+	
L_iehijhba\h^bl_ev	ghklmZg^ZjlgZy 6	Kj_^gyy F	<ukhdZy +
Dhe \h klmj_g_c ijhba\h^bl_ev	ghklb		
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>bZiZahg ih\ur_gby l_fi_jZlmju f& f) L_ieh\hc DI>			
ljbkh_^bgbl_evgu_ iZljm[db ebgb	KhgZjZjZjZjZc,ljm[ghg	hjfZevghc,ljm[ghg	hjfZevghc,ljm[ghc
J_dhf_g^m_fh_^Z\le_gb_?ZaZkl\ggh_ gZ \oh^_ dIZ ^xcf \h^kl K`b`_gguc g_nlyghc]Za ijhiZg			

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GZqbgZy k \ukhlu f nmlh\ gZ^ mjh\g_f fhjy ijhba\h^bl_evghklv Z]j_\ZlZ mf_gvrZ_lky gZ nmlh\ \ukhlu lJBF?Q:GB? Wlh fZdkbfZevgh_ ^himklbfh_ kgb`_gb_ ijhba\h^bl_evghklb ^ey ^Zgg			
ljhba\h- <ukhlZ gZ^ >Z\le_gb_]ZaZ \ dhee_dlhj_ dlZ lhj_ey_fZy fhsgghklv ^bl_evghklv mjh\g_f fhjy f ^xcf \h^ kl ijbjh^guc]Za beb k`b`_gguc g_nlyghc]Zah\h]h gZ]j_- nmlu]Za ijhiZg ;L? q \Zl_ey ljbjh^guc]Za K`b`_gguc g_nly- l_j\Zy klmi_gv <lhjZy klmi_gv ghc]Za ijhiZg			
KlZg^ZjlgZy 6			
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IJB?Q:GB? L_fi_jZlmjZ b ijhba\h^abl_evghklb g_mdZaZggu_ \ ^Zgguo lZ[ebpZo ijb_^_gu \ ^hdmf_gl_ ©LZ oheh^bevghjh Zjj_ZlZ l hijZ\hqgu_ dhwnnbpb_glu^ \ jZa^_e_ ©ljhqb_l_ogbq_kdb_ ^Zggu_^

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L_fi_jZlmjZ \ha^moZ gZ \oh^_ gZjmg`gh]h l_ieh[hf_ggbdZ		L_fi_jZlmjZ gZjmg`gh]h \ha^moZ gZ \oh^_ gZjmg`gh]h l_ieh[hf_ggbdZ													
		f&			f&			f&			f&				
		Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm		
8V	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&
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		Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm		
8V	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&
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		Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm	Kmf fZj- gZy oheh^h ijhba\h^abl_evghklv	lhj- [ey_fZy fhs-ghklv dhf ij-k-khjZ	Hlghr_gb_y\ ijhba\h^abl_evghklb d kmffZjg`ghZy oheh^h ijhba\h^abl_evghklv L_fi ih kmohfm^ab l_jfhf_ljm		
e k	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&	d<l	d<l	f& f& f&
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L_fi_jZlmjz \ha^moZ gZ \oh^_ ghfm l_jfhf_ljm	Kmf fZjguc \Zkoh^ \ha^moZ	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	ghc			
8V	d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f&	f&			
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8V	d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f&	f&			
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L_fi_jZlmjz \ha^moZ gZ \oh^_ ghfm l_jfhf_ljm	Kmf fZjguc \Zkoh^ \ha^moZ	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	Kmf fZjguc \Zkoh^ \ha^moZ	lhj_ley_fZy fhs_ghklv dhf_ij_kkhjZ	Hlghr_gb_y\ ijhba\h^bl_evghZjgZy oheh^_ghZy	ghc			
/ V	d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f& d<l	d<l	f& f& f&	f&			
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 ± :wjh^bgZfbq_kdb_ khijhlb\le_gby ^hihegbl_evguo dhfihg_glh\ mklZgh\le_gguo gZ aZ\h^_ ba]
 ^mohgZ]j_\ZI_ey wdghgfZca_jZ b l ^
 ± :wjh^bgZfbq_kdb_ khijhlb\le_gby ^hihegbl_evguo dhfihg_glh\ mklZgh\le_gguo gZ f_kl_ wdkl
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 gZ klj L_ogbq_kdb_ oZjZdl_jbklbdb ijb\h^Z mklZgh\le_ggh]h gZ aZ\h^_ ba]hlh\bl_e_ ijb_^_g

JZkoh^ ha^moz		J:KIHE:=:?FH? KL:LBQ?KDH? >:<E?GB? IZ ^xcf \h^ kl																				
e k	nml fbg	h[fbg	d<l	e	k	h[fbg	d<l	e	k	h[fbg	d<l	e	k	h[fbg	d<l	e	k	h[fbg	d<l	e	k	

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± :wjh^bgZfbq_kdb_ khijhIb\le_gby ^hihegbl_evguo dhfihg_glh\ mklZgh\le_gguo gZ aZ\h^_ ba
^mohgZ]j_\ZI_ey wdhghfZca_jZ b l ^
± :wjh^bgZfbq_kdb_ khijhIb\le_gby ^hihegbl_evguo dhfihg_glh\ mklZgh\le_gguo gZ f_kl_ wdkl
^mohgZ]j_\ZI_ey \ha^moh\h^h\ ^bnmahjZ b l ^
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gZ klj l_ogbq_kdb_ oZjZdl_jbklbdb ijb\h^Z mklZgh\le_gggh]h gZ aZ\h^_ ba]hl\bl_e_ ijb\_^_g
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JZkoh^		J:KIHE:=:?FH? KL:LBQ?KDH? >:<E?GB? IZ ^xcf \h^ kl																			
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lj_[m_fm_x kdhjhklv b ihlj_[ey_fm_x fhsgkly we_dljh^b]Zl_ey lhdZaZgZ fZdkbfZevgZy ^himklbfZy ihlj_[ey_fZy
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JZkoh^ \ha^moZ		<eZ`guc agmlj_ggb l_iehh[- f_ggbd		=Zah\uc \ha^mohgZ]j_\Z KIZg^Zj- gZy fhs- ghklv		Kj_^gyy fhsgkly		<ukhdZy fhsgkly		_eKf_kb- l_evgy dZf_jZ wdhghfZc- a_j		Nbevliju c- 0(59)		0(59)		FhgI`gZy jZfZ k ih^ kh_^bg_gb_f \ha^moh\h ^h\ k[hdm	
8V	nml fbg	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl

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e k	nml fbg	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl	IZ	^xcf \h^ kl

I:J:F?LJU <HA>MRGH=H IHLHD: Q?J?A IHLHEHQGUC >BNNMAHJ

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		f	nml	f	nml		

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IZ	^xcf \h^ kl	8V	nml fbg

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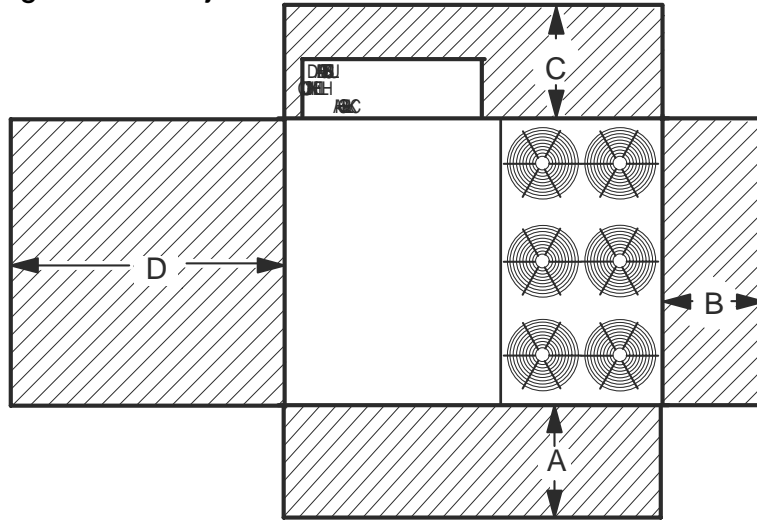
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	Lhd ijb aZlhjfh`_gghf jhlhj_ :		
Dhfij_kkhj	Lhd ijb ghfbgZevghc gZ]jmad_ :		
	Lhd ijb aZlhjfh`_gghf jhlhj_ :		
<_glbeylhju gZjm`gh]h dhglmjZ	Lhd ijb iheghc gZ]jmad_		
	kmffZjguc :		
KlZg^Zjlg_u_ \uly`gu_ _glbeylhju d<l	Lhd ijb iheghc gZ]jmad_		
	kmffZjguc :		
<gmlj_ggbc _glbeylhj	d<l		
	Lhd ijb iheghc gZ]jmad_ :		
GhfbgZevguc lhd mkljhc- kl\Z aZsblu hl i_j_]jmadk	Lhevdh Z]j_]Zl		
:	klZg^Zjlgufb \uly`gufb _glbeylhjZfb d<l		
GhfbgZevguc lhd p_ib :	Lhevdh Z]j_]Zl		
	K klZg^Zjlgufb \uly`gufb _glbeylhjZfb d<l		

>himklbfh_ hldehg_gb_ gZijy`_gby hl ghfbgZevgh]h agZq_gby khklZ\ey_l
 :\hfZlbc_kdbc \udexqZl_ev beb ij_^hojZgbl_ev ijb_gy_fuc \ kbkl_fZo hlhie_gby b dhg^bpbhgjbh\Zgby
 Bkihevam_lky ^ey \u[hjZ iZjZf_ljh\ dZ[_e_c ij_^hojZgbl_e_c b \udexqZl_e_c \ khhl_lkl\bb k lj_[h\Zgbyfb ^
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 GhfbgZevgZy fhsgkhlv ijb we_dljhiblZgbb < nZau =p

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Fbg k\h[h^gh_ ijhkljZgkl\h ^ey ghjfZevghc jZ[hlu]Zah\h]h \ha^mohgZ]j_]Z]_ey					Hikmkl\b_ ij_iylkl\bc
Fbg k\h[h^gh_ ijhkljZgkl\h ^ey ghjfZevghc jZ[hlu Z]j_]ZIZ					

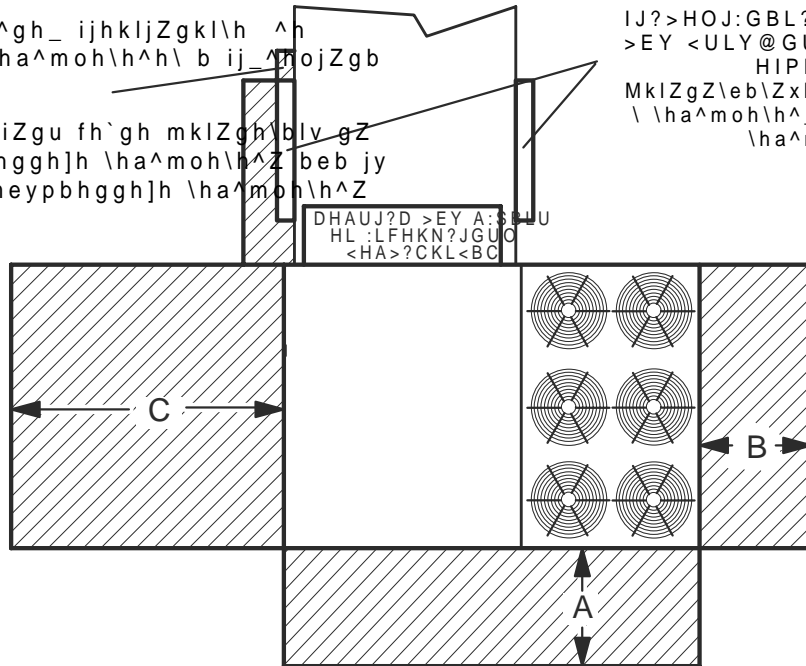
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 ljhoh^u ^ey l_oh[kem`b\Zgby ± k\h[h^gh_ ijhkljZgkl\h h[_ki_qb\Zxs_ m^h[guc ^hkimi d Z]j_]Z]m ^ey fhglZ`Z ^_fhglZ`Z a
 Fbg ijhkljZgkl\h ^ey]Zah\h]h \ha^mohgZ]j_]Z]_ey ± fbgbfZevgh ^himklbfh_ k\h[h^gh_ ijhkljZgkl\h g_h[oh^bfh_ ^ey ghjfZevghc jZ
 FbgbfZevgh_ k\h[h^gh_ ijhkljZgkl\h ± fbgbfZevgh ^himklbfh_ k\h[h^gh_ ijhkljZgkl\h g_h[oh^bfh_ ^ey ghjfZevghc jZ[hlu Z]j_]

:]j_]ZI k ij_^hojZgbl_ evgufb deZiZgZfb ^ey mklZgh\db \]hjbahglZe

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 klZlhqgh_ ^ey mklZgh\db \ha^moh\h^h\ b ij_^hojZgb
 l_ evguo deZiZgh\

Ijbf_qZgb_ <ha^mrgu_ deZiZgu fh`gh mklZgh\blv gZ
 h[hbo dhgpZo j_pbjdmeypbhggh]h \ha^moh\h^Z beb jy
 ^hf gZ h^ghf dhgp_ j_pbjdmeypbhggh]h \ha^moh\h^Z

IJ?>HOJ:GBL?EVGU? DE:I:GU
 >EY <ULY@GUO <HA>MOH<H>H<
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 \ \ha^moh\h^_ j_pbjdmeypbhggh]
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FbgbfZevgh_ k\h[h^gh_ ijhkljZgkl\h ^ey ghj-fZevghc jZ[hlu]Zah\h]h \ha^mohgZ]j_]Z]_ey					Hikmkl\b_ ij_iylkl\bc
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IJBF?Q:GB? ?keb Z]j_]ZI mklZgZ\eb\lky gZ \ha\ur_gbb lh hkgh\Zgb_ Z]j_]ZIZ ^he`gh hibjZlvky gZ nmg^Zf_gl ih \k_fm i_j
 ljhoh^u ^ey l_oh[kem`b\Zgby ± k\h[h^gh_ ijhkljZgkl\h h[_ki_qb\Zxs_ m^h[guc ^hkimi d Z]j_]Z]m ^ey fhglZ`Z ^_fhglZ`Z a
 Fbg ijhkljZgkl\h ^ey]Zah\h]h \ha^mohgZ]j_]Z]_ey ± fbgbfZevgh ^himklbfh_ k\h[h^gh_ ijhkljZgkl\h g_h[oh^bfh_ ^ey ghjfZevghc jZ
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l_ieh\hc gZkhh
‡ Bglmb\l\gh ihgylguc bgl_jn_ck k k_gkhjguf ^bkie__f
‡ G^_evguc ijhjjZffbjm_fuc lZcf_j
‡ Q_luj_\j_f_gguo bgl_j\ZeZ ^ey dZ^`h]h ^gy g_^_eb
‡ <uoh^ ^ey mijZ\e_gby wdghgfZca_jhf
‡ Khh\l_kl\b_lj_[h\Zgbyf klZg^ZjIZ 7LWOH
‡ >bkie_c k ih^k\_ldhc
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>Zlqbdb ^ey l_jfhklIZ k k_gkhjguf ^bkie__f

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>bklZgpbhgguc g_j_]mebjm_fuc gZkl_gguc ^Zlqbd l_fi_jZlmju dHf & 61=1 $( :
>bklZgpbhgguc g_j_]mebjm_fuc gZkl_gguc ^Zlqbd kj_^g_c l_fi_jZlmju& 61dHf $( :
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>bklZgpbhgguc_ ^Zlqbdb ^ey & 67\$7 \$(/ fh`gh ijb_f_gylv \ ke_^mxsbo dhf[bgZpbyo & 61=1 \$(& 61
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 Mjh_gv a\mdZ jZkkqblZg \ khh\l_kl\b k lj_[h\Zgbyfb klZg^ZjIZ \$+5,

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;Zah\uc fh^mev				
FZdkbfZevgZy dhfie_dIZpby				

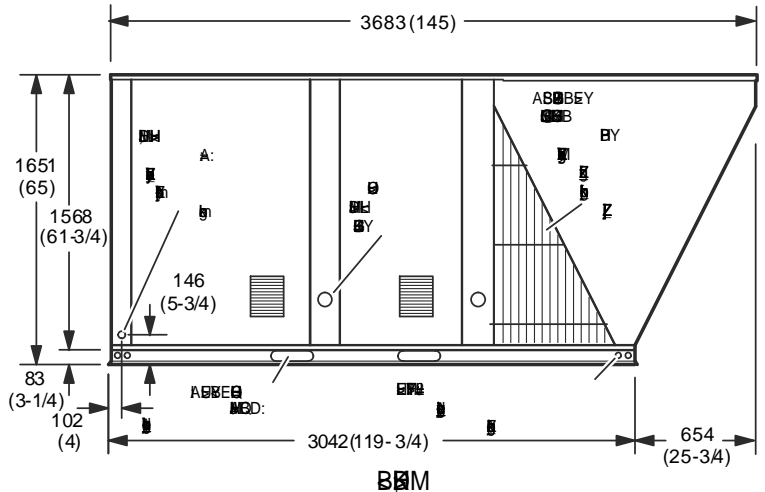
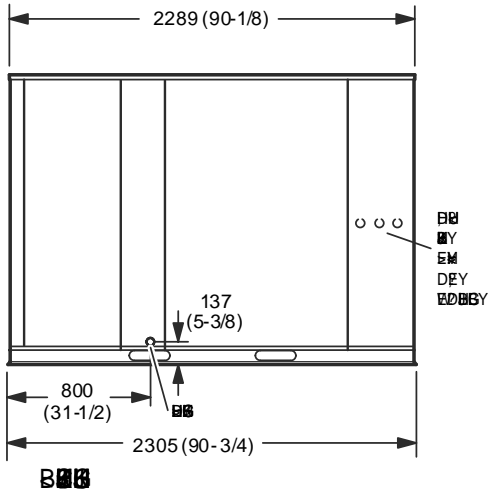
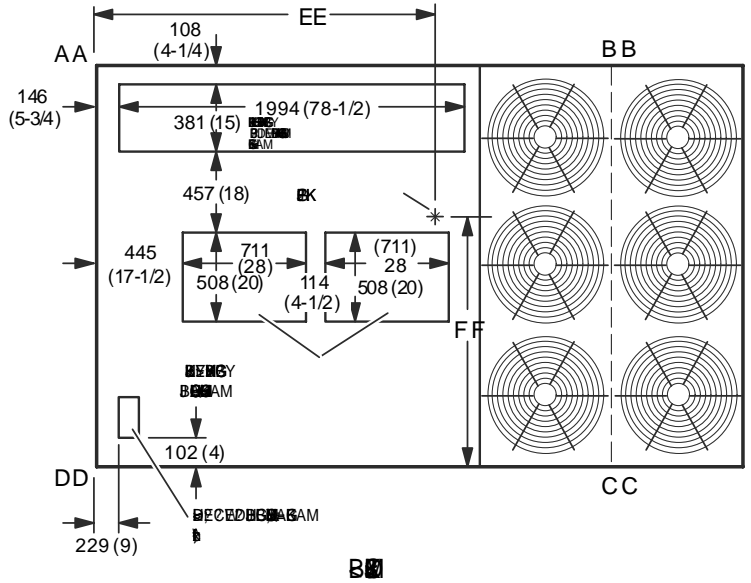
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lj^hojZgbl_evgu_ deZiZgu ^ey _jldZevguo \ha^moh\h^h\		
lj^hojZgbl_evgu_ deZiZgu ^ey]hjbahglZevguo \ha^moh\h^h\		
DeZiZgu gZjm`gh]h \ha^moZ		
K_dpby \ha^mrgh]h deZiZgZ ih^kh^bg_gb_ \ha^moh\h^h\ k[hdm]mjb\h^hf		
K_dpby \ha^mrgh]h deZiZgZ ih^kh^bg_gb_ \ha^moh\h^h\ k[hdm]mjb\h^hf		
Dhauj_d ^ey aZsblu hl Zlfhkn_jguo \ha^ckl\bc /\$2\$+		
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<ukhdhgZihjguc \uly`ghc _glbeylhj		
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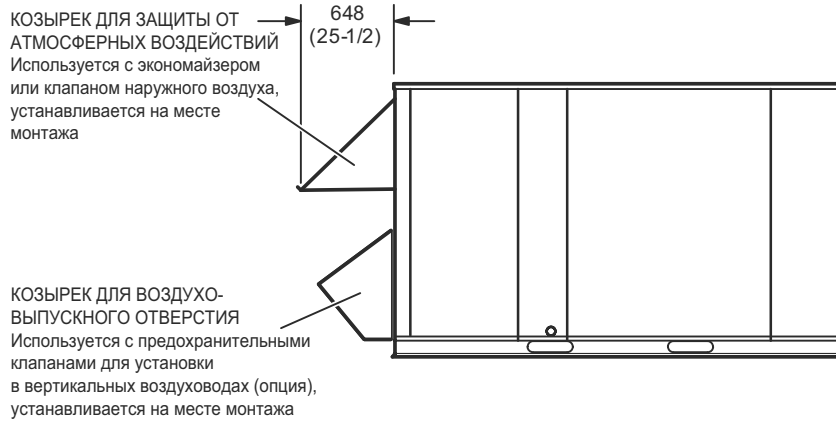
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;Zah\úc fh^mev ± :]j_]ZI [_a <GMLJ?GGBO >HIHEGBL?EVGUO IJBG:>E?@GHKL?C
 FZdkbfZevgZy dhfie_dIZpby ± ;Zah\úc fh^mev k MKL:GH<E?GGUFB <GMLJ?GGBFB >HIHEGBL?EVGUFB IJBG:
 a_j kIZg^Zjlg_ gbadhgZihjgu_ \uly`gu_ _glbeylhju mkljhckl\Z mijZle_gby b l i :]j_]ZI g_ hkgZs_g \g_
 e_`ghklyfb beb \ukhdhgZihjgufb \uly`gufb _glbeylhjZfb

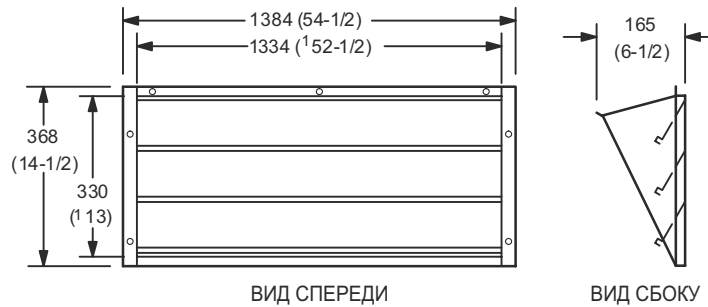


КОЗЫРЕК ДЛЯ ЗАЩИТЫ ОТ АТМОСФЕРНЫХ ВОЗДЕЙСТВИЙ



ПРЕДОХРАНИТЕЛЬНЫЕ КЛАПАНЫ ДЛЯ ГОРИЗОНТАЛЬНЫХ ВОЗДУХОВОДОВ С ЗАЩИТНЫМ КОЗЫРЬКОМ (ОПЦИЯ)

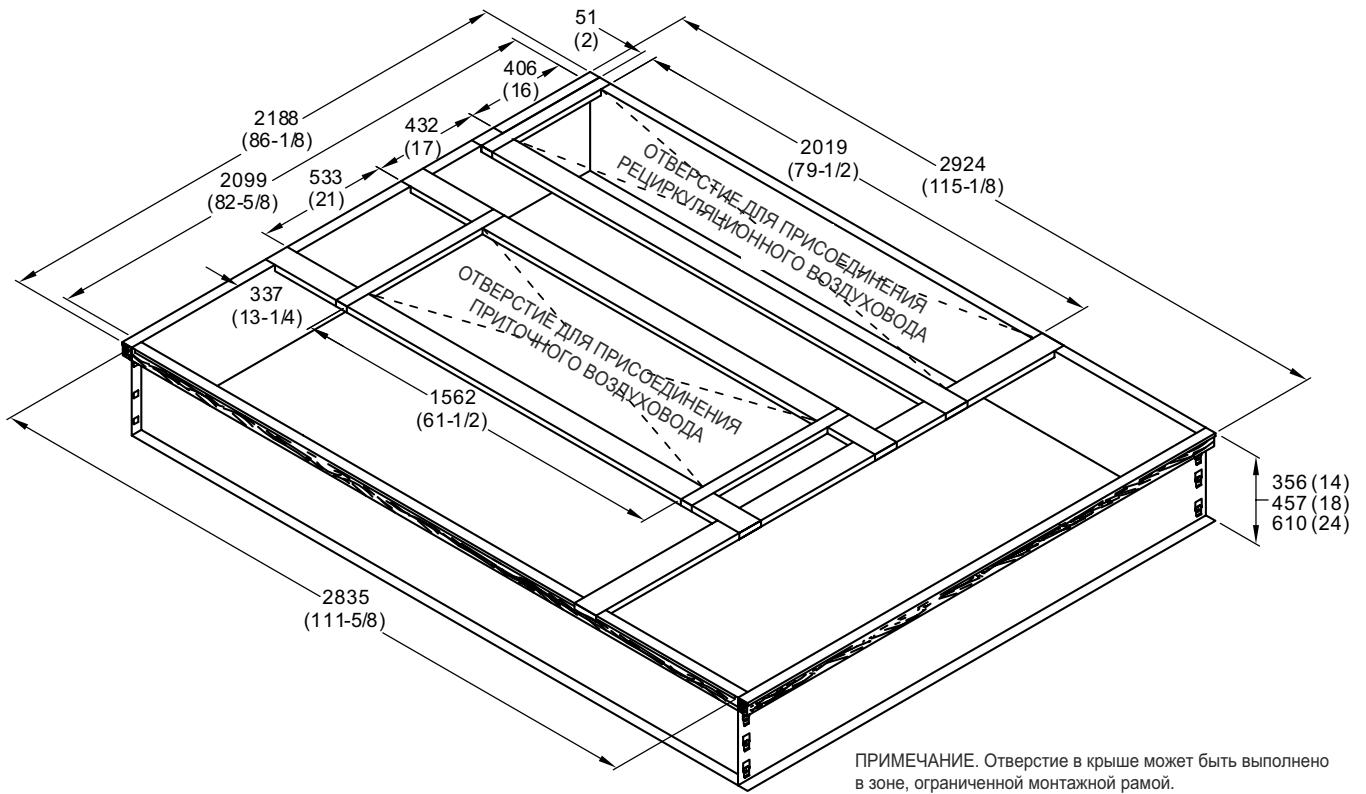
Устанавливается на месте эксплуатации в горизонтальном воздуховоде рециркуляционного воздуха вблизи агрегата.



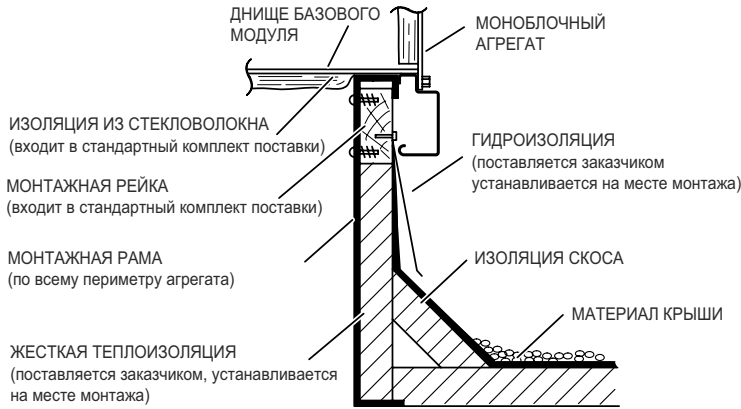
ПРИМЕЧАНИЕ. По каждому заказу поставляются два устройства.

¹ ПРИМЕЧАНИЕ. Размер сечения воздуховода рециркуляционного воздуха.

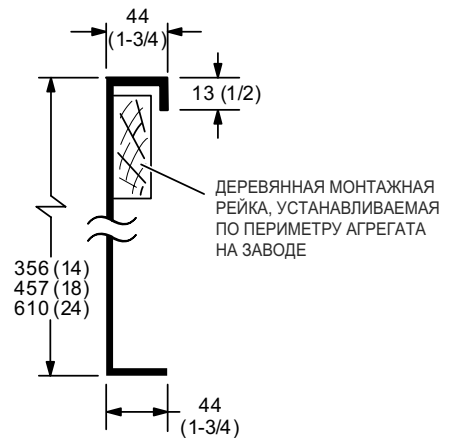
DHF;BGBJH<:GGU? FHGL:@GU? J:FU ± HL<?JKLBY >EY ><MO <HA>MOH<H>H<



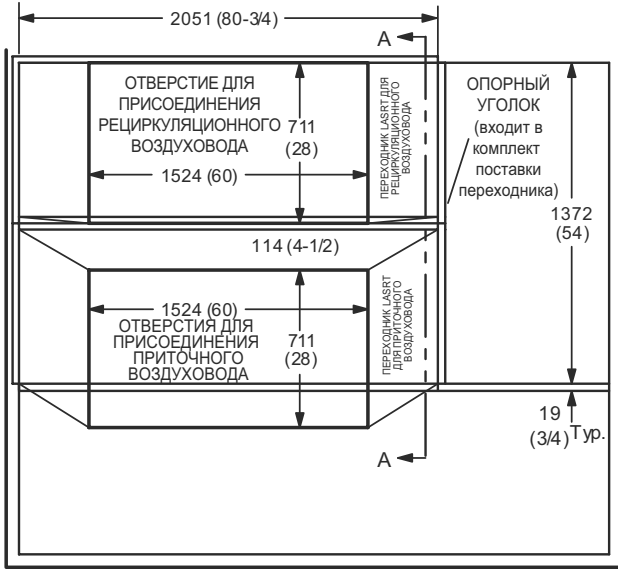
ИЗОЛЯЦИЯ МОНТАЖНОЙ РАМЫ



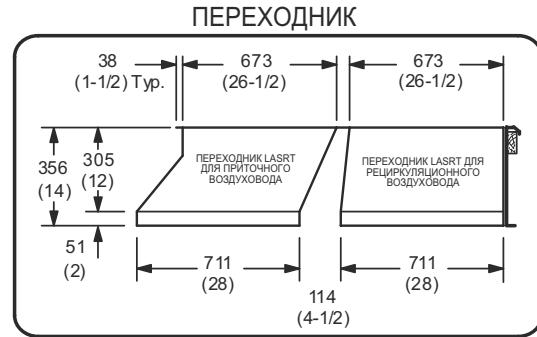
ФРАГМЕНТ МОНТАЖНОЙ РАМЫ



FHGL:@GU? J:FU K I?J?OH>GBD:FB >EY IJBKH?>BG?GBY IJBLHQGH=H B J?PBJDMEYJGH=H INI >BNNMAHJH<



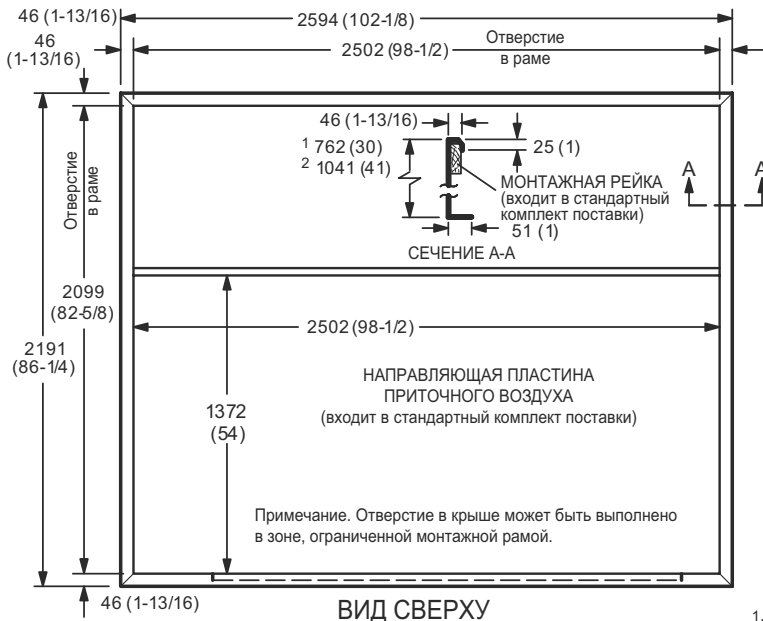
ВИД СВЕРХУ



СЕЧЕНИЕ В-В

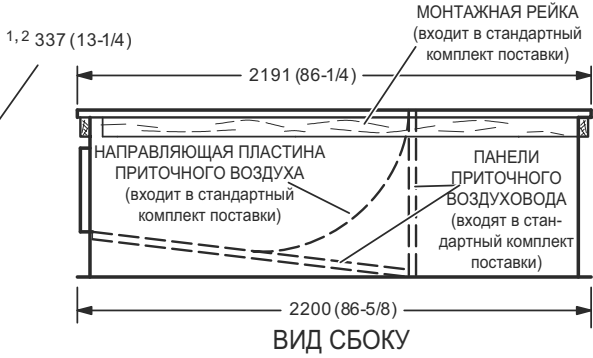
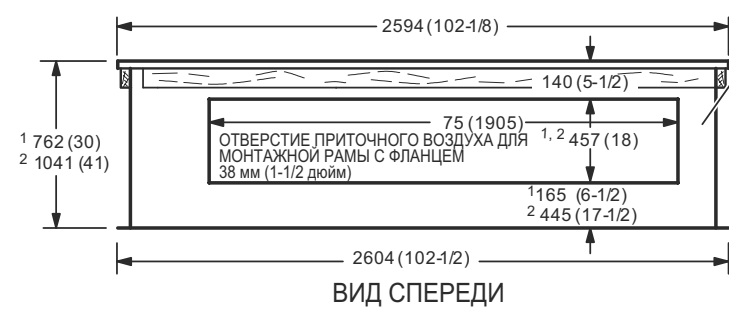
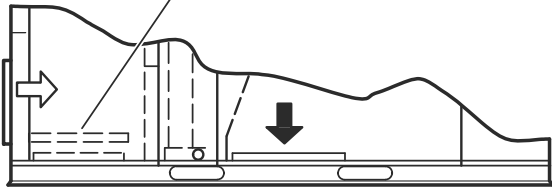
FHGL: @GU? J:FU K IH>KH?>BG?GB?F <HA>MOH<H>H< K;HDM

>ey ih^kh_^bg_gby \ha^moh\h^h\ k[hdm g_h[oh^bfh mkIZgh\blv khhl_lkl\mxsbc dhfie_dl iZg_e_c



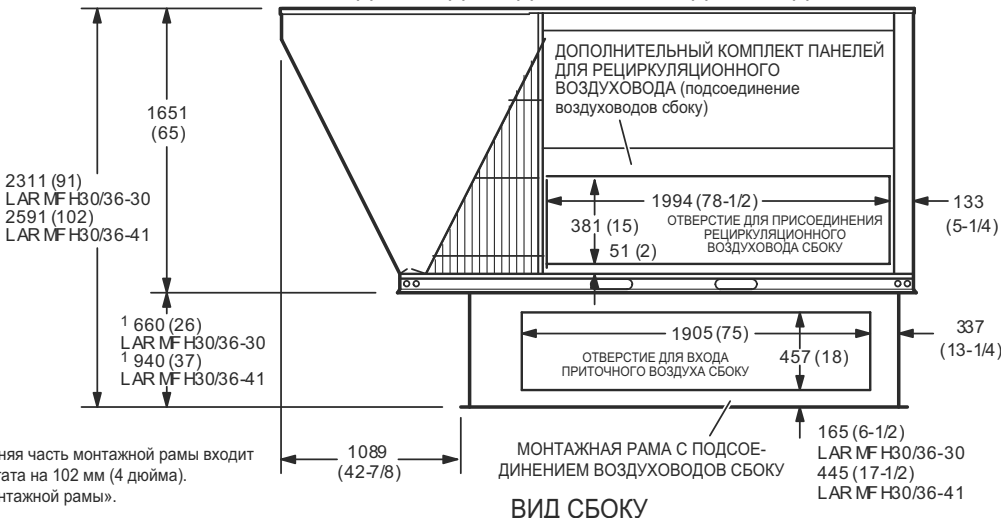
Примечание. Модель LAR MFH30/36-30 предназначена для горизонтального выпуска воздуха в случае, когда агрегат установлен на плите перекрытия. Модель LAR MFH30/36-41 предназначена для горизонтального выпуска воздуха в случае, когда агрегат установлен на крыше.

ПАНЕЛЬ, ЗАКРЫВАЮЩАЯ ОТВЕРСТИЕ РЕЦИРКУЛЯЦИОННОГО ВОЗДУХА В ОСНОВАНИИ АГРЕГАТА (входит в состав дополнительного комплекта панелей для подсоединения воздуховодов сбоку)



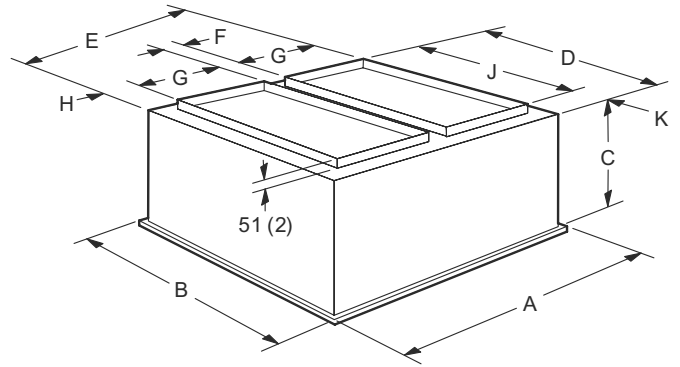
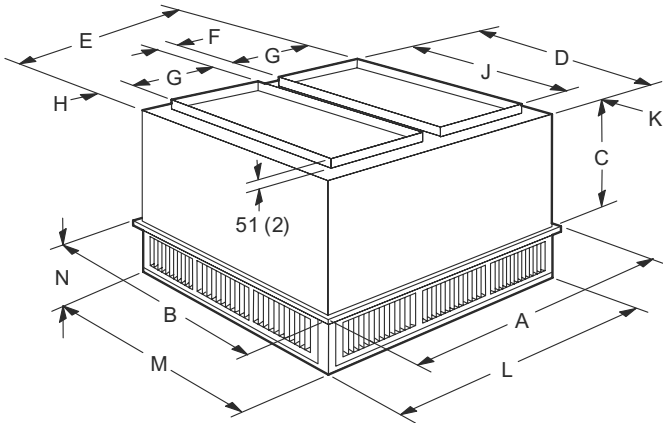
1 LAR MFH30/36-30 2 LAR MFH30/36-41

АГРЕГАТ С ОТВЕРСТИЯМИ ДЛЯ ПОДСОЕДИНЕНИЯ ПРИТОЧНОГО И РЕЦИРКУЛЯЦИОННОГО ВОЗДУХОВОДОВ, УСТАНОВЛЕННЫЙ НА МОНТАЖНОЙ РАМЕ ДЛЯ ПОДСОЕДИНЕНИЯ ВОЗДУХОВОДОВ СБОКУ



1 ПРИМЕЧАНИЕ. Верхняя часть монтажной рамы входит внутрь основания агрегата на 102 мм (4 дюйма). См. рис. «Изоляция монтажной рамы».

IHLHEHQGU? >BNNMAHJU IJBLHQGH=H B J?PBJDMEYPBHGGH=H <HA>M
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 K IH><?KGUF IHLHEDHF



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>h[Z\le_gZ gh\Zy dhf[bgbjh\ZggZy fhglZ`gZy jZfZ



info@fullcom.ru

IJBF?Q:GB? < k\yab k ihklhygguf kh_jr_gkl\h\Zgb_f dhgkljmdpbb l_ogbq_kdb_ oZjZdl_jbklbdb b jZaf_ju Z]j_]Zlh\ /(112; fh) l_evgh]h m_^hfe_gby G_gZ^e_`Zsbc fhglZ` gZkljhcdZ baf_g_gb_ dhgkljmdpbb j_fhgl b l_ogbq_kdh_ h[kem`b\Zgb_ fh]ml ijb_klb d ih\j_`^_gbx Z khgZeZ FhglZ` b l_ogbq_kdh_ h[kem`b\Zgb_ ^he`gu \uihegylvky d\Zebnbpbjh\Zggufb ki_pbZebklZfb b ki_pbZebabjh\Zggufb ij_^ijbylb (/HQR[,QGxvwulhv