



# APPENDIX A

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## LAWS, RULES, AND REGULATIONS

É"3;"VCE"Ejcrvgt"83."Uwdejcrvgt"EE0"Eq o o kuukqpgtù"Twngu"Eqpegtkpi""  
School Facilities, §61.1033. School Facilities Standards

É"3;"VCE"Ejcrvgt"334.ÈÈ\*C+ô\*E+.Vgzcu"Guugpvkcn"Mpqyngfig"cpf"Umknu"" "  
for Science

É"Vgzcu"Ceeguukdknkv{"Uvcpfctfu0"Vgzcu"Fgrctv o gpv"qh"Nkegpukpi"cpf"Tgiwncvkqp0""  
Architectural Barriers Act. Article 9102, Texas Civil Statutes

- Texas Insurance Commission. 28 TAC Chapter 34, Sections 34.501–34.523  
" Hktg"GzvkipiwkjgtulHktg"Gzvkipiwkjgt"Twngu

**TEXAS ADMINISTRATIVE CODE**  
**TITLE 19. Education**  
**CHAPTER 61. School Districts**  
**SUBCHAPTER CC. Equipment and Construction**

§61.1033. School Facilities Standards for Construction before January 1, 2004.

(a) **Facilities for construction before January 1, 2004.**

\*3+ "Gfweckqpcn" rtqitc o "C" ytkvvp" fqw o gpv" vj cv" kpenwfgu" vjg" hqnnqy kpi "kphqt o cvkqp<

\*C+ "c" uw o o ct { "qh" vjg" uejqn" fkuvtkev" gfwecvkqpcn" rjknquq rj { . " o kuukqp. "cpf" i qcnu=" and

\*D+ "c" fguetkrvkqp" qh" vjg" i gpgtcn" pcvwtg" qh" vjg" fkuvtkev" kpuvtwevkqpcn" rtqitc o "kp" ceeqf cpeg" ykvj "E9603" qh" vjku" vkng" \*tgncvki" vq" Guugpvkcn" cpf" Mpqyngfig" cpf" Umknu+0

\*4+ "Gfweckqpcn" urgek fcevkqpu" / "Gfweckqpcn" urgek fcevkqpu" hqt" c" rtqrqugf" pgy" uejqn" facility or major space renovation include a description of the proposed project, gzrtguukpi" vjg" tcpig" qh" kuuwgu" cpf" cnvgtpcvkxgu" Vjg" hqnnqy kpi "kphqt o cvkqp" ujqwnf" dg" kpenwfgf" kp" vjg" gfwecvkqpcn" urgek fcevkqpu<

\*C+ "vjg" kpuvtwevkqpcn" rtqitc o u. "itcf" eqp i wtevkqp. "cpf" v { rg" qh" hceknkv { =

\*D+ "pw o dgt" qh" uvwfgpvu=

\*E+ "c" nkuv" qh" cp { "urgekcnk | gf" encuutqq o u" qt" o clqt" uwr rqt" v" ctgcu. "ppq/kpuvtwevkqpcn" uwr rqt" v" ctgcu. "qt" gzvgtpcn" cevkkv { "urcegu=

\*F+ "guvk o cvgf" uk | g" qh" hceknkv { =

\*G+ "guvk o cvgf" dwf i gv" hqt" vjg" hceknkv { "rtqlgev=

\*H+ "uejqn" cf o kpuvtcvkxg" qt i cpk | cvkqp=" cpf

(G) hours of operation that include the instructional day, extracurricular activities, and any public access or use.

\*5+ "kpuvtwevkqpcn" urceg" / " I gpgtcn" encuutqq o u. "urgekcnk | gf" encuutqq o u. "cpf" o clqt" uwr rqt" v" areas.

\*6+ "Nkdtct { "/" "Nkdtct { " yknn" kpenwfg" vjg" hqnnqy kpi " o kpk o wo "tgswktg o gpvu<

\*C+ "tgc fki" tqo =

\*D+ "uvcem" ctgc=" cpf

(C) necessary service areas.

\*7+""Oclqt"urceg"tgpqxcvkqpu"/"Cv"ngcuv"72 ' "qh"vjg"i tquu"ctgc"qh"vjg"hceknkv{ ùu"kpvtwevkqpcn" urceg"ku"ykvj"kp"vjg"nk"o kvu"qh"vjg"y qtm0"Qvjgt"tgpqxcvkqpu"cuuqekcvgf"ykvj"tgrckt"qt" tgrnceg"o gpv"qh"cte jkvgevwten"kpvgtkqt"qt"gzvgtkqt" ħpkujgu=" ħzvwtku="gswkr"o gpv="cpf" gngevtkecn."rno dkipi."cpf"o ge jcpkecn"u{uvgo u"ctg"pqv"uwdlgev"vq"vjg"tgswtg"o gpvu" qh"uwdugevkqpu"\*f+"cpf"\*g+"qh"vjku"ugevkqp."dvw"ujcnn"eq"o rn{"ykvj"cr rnkecdng"dwknfkpi" eqfgu"cu"tgswtgf"d{"uwdugevkqp"\*h+"qh"vjku"ugevkqp0

\*8+""Uswctg"hggv"rgt"rwrkn"/"Vjg"pgv"kpvgtkqt"urceg"qh"ctqo" fxxkfgf"d{"vjg"oczko"wo" pw"odgt"qh"rwrknu"vq"dg"jqwugf"kp"vjcv"tqo" fwtkpi"cu"ukping"encuu"rgtkqf0

\*9+""Uswctg"hggv"rgt"tqo"o gcuwtg"o gpvu"/"Vjg"pgv"uswtg"hqvcig"qh"ctqo"vjc"ykn" jquwug"44"uwf"gpvu"cv"vjg"ng"o gpvct{"ngxgn"cpf"47"uwf"gpvu"cv"vjg"okfng"qt"jki"j" uejqqn"ngxgn0"Vjg"pgv"uswtg"hqvcig"qh"ctqo" kpenwfgu"gzrqugf"uvqtcig"urceg."uwej" cu"ecdkgvu"qt"ujgnxkpi."dvw"fqgu"pqv"kpenwfg"jcnyc{"urceg"qt"uvqtcig"urceg."uwej"cu" enqugu"qt"rtgrctcvkqp"qh"ħegu0

(b) **Ko rno gpvckqp"fcvg0**"Vjg"tgswtg"o gpvu"ht"uejqqn"hceknkv{"uvcfctfu"ujcnn"crn{"vq" projects for new construction or major space renovations approved by a school district board of trustees after September 1, 1998, and before January 1, 2004.

(c) **Egtvk ħcvkqp"qh"fguki p"cpf"eqpvtwevkqp0**

\*3+""Kp"vjku"ugevkqp."vjg"y qtf"öegtvkh{ ÷"kpfkecvgu"vjcv"vjg"cte jkvgev"qt"gpikpggt"jcu"tgxkygf" vjg"uvcfctfu"eqpvckgf"kp"vjku"ejc"rvgt"cpf"wugf"vjg"dguv"rtqhuukqpcn"lwfio"gpv"cpf" tgcqupcdng"ectg"eqpukvgpv"ykvj"vjg"rtcevkqg"qh"cte jkvgevwte"qt"gpikpggtkpi"kp"vjg"Uvcvg" qh"Vgzcu"kp"gzgewkpi"vjg"eqpvtwevkqp"fqew"o gpvu0"Vjg"cte jkvgev"qt"gpikpggt"cnuq" egtvk ħgu"vjcv"vjgug"fqew"o gpvu"eqphqt"o"vq"vjg"rtqxxkqpu"qh"vjku"ugevkqp."gzegr"cu" kpfkecvgf"qp"vjg"egtvk ħcvkqp0

\*4+""Vjg"uejqqn"fkvtkev"ujcnn"pqvkh{"cpf"qdnkicvg"vjg"cte jkvgev"qt"gpikpggt"vq"rtqxxkf" vjg"tgswtgf"egtvk ħcvkqp0"Vjg"cte jkvgevu"qt"gpikpggt"u"uki"pcvwtg"cpf"ugcn"qp"vjg" construction documents shall certify compliance.

\*5+""Vq"gpwtg"vjcv"hceknkvkgu"jcxg"dggp"fgukipgf"cpf"eqpvtwevgf"ceeqtfkpi"vq"vjg" provisions of this section, each of the involved parties shall execute responsibilities as follows.

\*C+"Vjg"uejqqn"fkvtkev"ujcnn"rtqxxkf"vjg"cte jkvgev"qt"gpikpggt"vjg"nqpi/tcpig"uejqqn" hceknkv{"rncp"cpflqt"gfwevkqpcn"urgek ħcvkqpu"cr"rtqxxgf"d{"vjg"dqctf"qh"vtwuvvgu"cu" tgswtgf"d{"vjku"uwde jcvgt."cpf"dwknfkpi"eqfg"urgek ħcvkqpu"ht"vjg"hceknkv{0

\*D+"Vjg"cte jkvgev"qt"gpikpggt"ujcnn"rgthqt"o"cu"dwknfkpi"eqfg"ugcte j"wpfgt"cr rnkecdng" tgiwncvkqpu"vjcv"oc{"kp"Ēwgppeg"vjg"rtqlgev."cpf"ujcnn"egtvk{"vjcv"vjg"fgukip"jcu" dggp"tgugcte jgf"dgthqt"kv"ku" ħpcn0

\*E+"Vjg"cte jkvgev"qt"gpikpggt"ujcnn"cnuq"egtvk{"vjcv"vjg"hceknkv{"jcu"dggp"fgukipgf" ceeqtfkpi"vq"vjg"rtqxxkqpu"qh"vjku"ugevkqp."dcugf"qp"vjg"nqpi/tcpig"uejqqn"hceknkv{" rncp"cpflqt"gfwevkqpcn"urgek ħcvkqpu."dwknfkpi"eqfg"urgek ħcvkqpu."cpf"cn" fqew"o gpvgf"ejcpi"gu"vq"vjg"eqpvtwevkqp"fqew"o gpvu"rtqxxkf"gd{"vjg"fkvtkev0

\*F+"Vjg"dwkfkpi"eqpvtcevt"qt"eqpuvtwevkqp" o cpcigt"ujcm"egtvkh{"vjcv"vjg"hceknkv{"jcu" dggp"eqpuvtwevgf"kp"igpgtcn"ceeqtfcpeg"ykvj"vjg"eqpuvtwevkqp"fqewogpvu"urgekfgf" kp"uwdrctictcrj"\*E+"qh"vjku"rctictcrj0

(E) When construction is completed, the school district shall certify that the facility eqphqtou"vq"vjg"fgukip"tgswtgogpvu"urgekfgf"kp"uwdrctictcrj"\*C+"qh"vjku" rctictcrj0

\*f+"Urceg."okpko"uswctg"hgqv"tgswtgogpvu0

\*3+"C"uejqqn"fkuvtkv"ujcm"rtqxfk"kpvtwevkqpcn"urceg"kh"tgswtgfd{"vjg"fkuvtkv" gfwecvkqpcn"urgekfgf"kp"uwdugevkqp"\*g+"qh"vjku"ugevkqp0

\*4+"Hqt"gej"v{"rg"qh"kpvtwevkqpcn"urceg."c"fkuvtkv"oc{"ucvkuh{"vjg"tgswtgogpvu"qh"vjku" ugevkqp"d{"wukpi."cu"crtrtqrtkcvg."gkvjgt"vjg"uvcpfctf"hqt"vjg"okpko"uswctg"hggrgt" rwrkn"qt"hqt"uswctg"hggrgt"tqqo"urgekfgf"kp"rctictcrj"\*3+/\*5+"qh"vjku"uwdugevkqp0" Tqqo"uklg"tgswtgogpvu"ctg"dcugf"qp"tqqou"vjcv"ykm"jqwug"44"uwwfgpvu"cv"vjg" gngogpvt{"ngxgn"cpf"47"uwwfgpvu"cv"vjg"okfng"qt"jkij"uejqqn"ngxgn0

(A) General classrooms.

\*k+"Encuutqqou"hqt"rtgmkpfgtictvgp/Ictfg"3"ujcm"jcxg"c"okpko"qh"58"uswctg" hggrgt"rwrkn"qt":22"uswctg"hggrgt"tqqo0

(ii) Classrooms at the elementary school level shall have a minimum of 30 uswctg"hggrgt"rwrkn"qt"922"uswctg"hggrgt"tqqo0

(iii) Classrooms at the secondary school level shall have a minimum of 28 uswctg"hggrgt"rwrkn"qt"922"uswctg"hggrgt"tqqo0

(B) Specialized classrooms.

\*k+"Eqorwvgt"ncdqtevtkgu"ujcm"jcxg"c"okpko"qh"63"uswctg"hggrgt"rwrkn"qt" ;22"uswctg"hggrgt"tqqo"cv"vjg"ngogpvt{"uejqqn"ngxgn="cpf"58"uswctg"hggrgt" rwrkn"qt";22"uswctg"hggrgt"tqqo"cv"vjg"ugeqpfct{"uejqqn"ngxgn0

\*kk+"Uekgpeg"ngevwtglncd"ujcm"jcxg"c"okpko"qh"63"uswctg"hggrgt"rwrkn"qt";22" uswctg"hggrgt"tqqo"cv"vjg"ngogpvt{"uejqqn"ngxgn="72"uswctg"hggrgt"rwrkn" qt"3.222"uswctg"hggrgt"tqqo"cv"vjg"okfng"uejqqn"ngxgn="cpf"72"uswctg"hggrgt" rwrkn"qt"3.422"uswctg"hggrgt"tqqo"cv"vjg"jkij"uejqqn"ngxgn0"C"uekgpeg" ngevwtglncd"ku"c"encuutqqo"y"jgtg"dqvj"ngevwtg"cpf"ncd"yqtm"qeewt"kp"vjg"ucog" tqqo"cpf"fwtkpi"vjg"ucog"encuutrgtkqf0

(C) Major support areas.

\*k+"Rtkoct"i{"opcuwou"qt"rj"ukecn"gfwevkqp"urceg."kh"tgswtgfd{"vjg"fkuvtkv" gfwecvkqpcn"rtqitc."ujcm"jcxg"c"okpko"qh"5.222"uswctg"hggrgt"cv"vjg" gngogpvt{"uejqqn"ngxgn="6.:22"uswctg"hggrgt"cv"vjg"okfng"uejqqn"ngxgn="cpf" 9.722"uswctg"hggrgt"cv"vjg"jkij"uejqqn"ngxgn0

\*kk+""Nkdtctkgu"ujcnn"jcxg"c"o kpk o w o "qh"502"uswctg"hggv"vk o gu"vjg"rncppgf"uwfpgp"  
capacity of the school. The minimum size of any elementary school library  
ujcnn"dg"3.622"uswctg"hggv0"Vjg"o kpk o w o "uk |g"qh"cp{" o kf fng"uejqqn"nkdttct {"  
ujcnn"dg"4.322"uswctg"hggv0"Vjg"o kpk o w o "uk |g"qh"cp{" "jki j"uejqqn"nkdttct {"ujcnn"  
dg"4. : 22"uswctg"hggv0

\*5+"Qvjgt"urceg"tgswtg o gpvu"ujqwnf"dg"fgxgnqrgf"htq o "uejqqn"fkuvtkv"fgukip"etkvgtkc"cu"  
tgswtgf"vq"o ggvgfwecvkqpcn"rtqitc o "pggfuo

\*g+"Gfwecvkqpcn"cfgswe{"0"C"rtqrqugf"pgy"uejqqn"nceknkv{"qt"o clqt"urceg"tgpqxcvkqp"qh"cp"  
gzkuvkpi"uejqqn"nceknkv{" o ggvu"vjg"eqpfkvkqpu"qh"gfweckvqpcn"cfgswe{"kh"vjg"fgukip"qh"vjg"  
rtqrqugf"rtqlgev"ku"dcugf"qp"vjg"tgswtg o gpvu"qh"vjg"uejqqn"fkuvtkv"u"gfweckvqpcn"rtqitc o "  
and the student population that it serves.

\*h+"Eqpuvtwevkqp"swcnkv{0

\*3+"Fkuvtkv"ykvj"gzkuvkpi"dwknfkpi"eqfgu0"C"uejqqn"fkuvtkv"nqecvfg"kp"cp"ctgc"vjcv"jcu"  
cfqrvfg"nqecn"dwknfkpi"eqfgu"ujcnn"eq o rn{" ykvj"vjg"eqfgu"\*kpenwfkpi"igt"cpf"  
o gejcpecn."gngevtkecn."cpf"rnw o dki"eqfgu+0"Vjg"uejqqn"fkuvtkv"ku"pqv"tgswtgf"vq"uggm"  
cfkvkqpcn"rncp"tgxky"qh"uejqqn"nceknkvkgu"rtqlgevu"qvjgt"vjcp"y jcv"ku"tgswtgf"d{"vjg"  
nqecn"dwknfkpi"cwvjqtkv{0

\*4+"Fkuvtkv"ykvjqwv"gzkuvkpi"dwknfkpi"eqfgu0"C"uejqqn"fkuvtkv"nqecvfg"kp"cp"ctgc"vjcv"  
jcu"pqv"cfqrvfg"nqecn"dwknfkpi"eqfgu"ujcnn"cfqrv"cpf"wug"vjg"ncvguv"gfkvkqp"qh"gvjgt"  
vjg"Wpkht o "Dwknfkpi"Eqfg"qt"Uvcpcfctf"\*Uqwjgtp+"Dwknfkpi"Eqfg"\*cpf"tgncvfg"  
igt."o gejcpecn."cpf"rnw o dki"eqfgu+=""cpf"vjg"pcvkqpcn"Gngevtke"Eqfg0"C"swcnkv"gf."  
kpfgrgpfgp"vjktf"rctv{"pqv"g o rnq{gf"d{"vjg"fgukip"ctejkgev"qt"gpikpggt."ujcnn"tgxky"  
vjg"rncpu"cpf"urgek"ecvkqpu"ht"eq o rnkcepg"ykvj"vjg"tgswtg o gpvu"qh"vjg"cfqrvfg"  
dwknfkpi"eqfg0"Vjg"rncp"tgxky"ujcnn"gzc o kpg"eq o rnkcepg"eqpfkvkqpu"ht"g o gtigpe{"  
gitguu."igt"rtqvgevkqp."uvtwevwtcn"kpvgitkv{"nkhg"uchgv{"rnw o dki."cpf"o gejcpecn"cpf"  
gngevtkecn"fgukip0"Vjg"tgxky"ujcnn"dg"eqpfwevfg"dghqtd"dkf"fkpi"cpf"o wuv"dg"eqpfwevfg"  
d{"c"egtvg"gf"dwknfkpi"eqfg"eqpuwncvp0"Cuuqekcvfg"hggv"ujcnn"dg"vjg"tguqpukdnkv{"qh"  
the school district. The reviewer shall prepare a summary list of any conditions not  
kp"eqpht o cpeg"ykvj"vjg"rtqxkukqpu"qh"vjg"cfqrvfg"dwknfkpi"eqfg"cpf"ku"tgswtgf"vq"  
ugpf"c"eqr{"vq"vjg"uejqqn"fkuvtkv."fgukip"ctejkgev."qt"gpikpggt0"Vjg"fgukip"ctejkgev"  
qt"gpikpggt"ujcnn"tgxky"vjg"rncpu"cpf"urgek"ecvkqpu"cu"pgeguuct{"cpf"egtvg{"eqfg"  
compliance to the district. Any disputes shall be a matter for contract resolution.

\*5+"Qvjgt"rtqxkukqpu0"Uejqqn"fkuvtkv"ujcnn"eq o rn{" ykvj"vjg"rtqxkukqpu"qh"vjg"C o gtkecpu"  
with Disabilities Act of 1990 (Title I and Title II) and other local, state, and federal  
tgswtg o gpvu"cu"crnkcedng0

§61.1036. School Facilities Standards for Construction on or after January 1, 2004.

\*c+ "Fg l p k v k q p u" c p f" r t q e g f w t g u 0 " V j g" h q m n q y k p i" y q t f u." v g t o u." c p f" r t q e g f w t g u." y j g p" w u g f" k p" v j k u" u g e v k q p." u j c m n" j c x g" v j g" h q m n q y k p i" o g c p k p i u." w p n g u u" v j g" e q p v g z v" e n g c t n { " k p f k e c v g u" o t h e r w i s e.

\*3+ " " G f w e c v k q p c n" r t q i t c o // C" y t k w g p" f q e w o g p v." f g x g n q r g f" c p f" r t q x k f g f" d { " v j g" f k u v t k e v." v j c v" k p e n w f g u" v j g" h q m n q y k p i" k p h q t o c v k q p <

\*C+ " " c" u w o o c t { " q h" v j g" u e j q q n" f k u v t k e v u u" g f w e c v k q p c n" r j k n q u r j j { ." o k u u k q p." c p f" i q c n u = " a n d

\*D+ " " c" f g u e t k r v k q p" q h" v j g" i g p g t c n" p c v w t g" q h" v j g" f k u v t k e v u u" k p u v t w e v k q p c n" r t q i t c o " k p" c e e q t f c p e g" y k v j " E 9 6 0 3 " q h" v j k u" v k v n g" \* t g n c v k p i" v q" G u u g p v k c n" M p q y n g f i g" c p f" U m k m u + 0 " V j g" y t k w g p" g f w e c v k q p c n" r t q i t c o " u j q w n f" f g u e t k d g <

\*k+ " " v j g" n g c t p k p i" c e v k x k v k g u" v q" d g" j q w u g f." d { " k p u v t w e v k q p c n" u r c e g =

\*kk+ " " j q y" v j g" u w d l g e v" o c v w g t" y k n n" d g" v c w i j v" \* o g v j q f u" q h" k p u v t w e v k q p c n" f g n k x g t { + =

\*kkk+ " " v j g" o c v g t k c n u" c p f" g s w k r o g p v" v q" d g" w u g f" c p f" u v q t g f =

\*kx+ " " w v k n k v k g u" c p f" k p h t c u v t w e w t g" p g g f u = " c p f

(v) the characteristics of furniture needed to support instruction.

\*4+ " " G f w e c v k q p c n" u r g e k l e c v k q p u // C" y t k w g p" f q e w o g p v" h q t" c" r t q r q u g f" p g y" u e j q q n" f a c i l i t y o r m a j o r s p a c e r e n o v a t i o n t h a t i n c l u d e s a d e s c r i p t i o n o f t h e p r o p o s e d r t q l g e v." g z r t g u u k p i" v j g" t c p i g" q h" k u u w g u" c p f" c n v g t p c v k x g u 0 " U e j q q n" f k u v t k e v u" v j c v" f q" p q v" j c x g" r g t u q p p g n" q p" u v c h h" y k v j" g z r g t k g p e g" k p" f g x g n q r k p i" g f w e c v k q p c n" u r g e k l e c v k q p u" u j c m n" w v k n k | g" v j g" u g t x k e g u" q h" c" f g u k i p" r t q h g u u k q p c n" q t" e q p u w n v c p v" g z r g t k g p e g f" k p" u e j q q n" r n c p p k p i" c p f" f g u k i p" v q" c u u k u v" k p" v j g" f g x g n q r o g p v" q h" v j g" g f w e c v k q p c n" u r g e k l e c v k q p u 0 " V j g" u e j q q n" f k u v t k e v" u j c m n" c m n q y" h q t" k p r w v" h t q o" v g c e j g t u." q v j g t" u e j q q n" e c o r w u" u v c h h." c p f" f k u v t k e v" r t q i t c o " u v c h h" k p" f g x g n q r k p i" v j g" g f w e c v k q p c n" u r g e k l e c v k q p u 0 " V j g" h q m n q y k p i" k p h q t o c v k q p" u j q w n f" d g" k p e n w f g f" k p" v j g" g f w e c v k q p c n" u r g e k l e c v k q p u <

\*C+ " " v j g" k p u v t w e v k q p c n" r t q i t c o u." i t c f g" e q p l i w t c v k q p." c p f" v { r g" q h" h c e k n k v { .

\*D+ " " v j g" u r c v k c n" t g n c v k q p u j k r u // v j g" f g u k t g f" t g n c v k q p u j k r u" h q t" v j g" h w p e v k q p u" j q w u g f" c v" t h e f a c i l i t y:

\*k+ " " u j q w n f" d g" f g x g n q r g f" d { " v j g" u e j q q n" f k u v t k e v" v q" u w r r q t v" v j g" f k u v t k e v u u" k p u v t w e v k q p c n" r t q i t c o =

\*kk+ " " u j q w n f" k f g p v k h { " h w p e v k q p u" v j c v" u j q w n f" d g =

\*K+ " " c f l c e g p v" v q." k o o g f k c v g n { " c e e g u u k d n g =

\*KK+ " " p g c t d { . " g c u k n { " c e e g u u k d n g = " c p f

\*KKK+ " " t g o q x g f" h t q o" q t" c y c { " h t q o = " c p f

\*kkk+"ujqwnf"tgnvq"encuutqq o lkpuvtwevkqpcn"hwpevkqpu."kpuvtwevkqpcn"uwr r qrtv"  
hwpevkqpu."dwknfkpi"ektewncvkqp."ukvg"cevkxkvkulhwpevkqpu."cpf"ukvg"  
circulation.

\*E+"pw o dgt"qh"uvwfgpvu=

\*F+"c"nkuv"qh"cp{"urgekcnk|gf"encuutqq o u"qt" o clqt"uwr r qrtv"ctgcu."pqp/kpuvtwevkqpcn"  
uwr r qrtv"ctgcu."qwwfqqt"ngctpkpi"ctgcu."qwwfqqt"uekgpeg"fkueqxtg{"egpvgtu."  
nkxkpi"uekgpeg"egpvgtu."qt"gzvgtpcn"cevkxkv{"urcegu=

(E) a schedule of the estimated number and approximate size of all instructional  
cpf"kpvtwevkqpcn"uwr r qrtv"urcegu"kpenwfgf"kp"vjg"hceknkv{"=

\*H+"guvk o cvgf"dwf i gv"hqt"vjg"hceknkv{" r tqlge=

\*I+"uejqqn"cf o kpkuvtcvkxg"qti cpk|cvkqp

\*J+"rtqxxkqpu"hqt"qwwfqqt"kpvtwevkqp=

(I) hours of operation that include the instructional day, extracurricular activities,  
cpf"cp{"rwdnke"ceegu"qt"wu=

\*L+"vjg"uchgv{"qh"uvwfgpvu"cpf"uvchh"kp"kpvtwevkqpcn"rtqi tco u."uwej"cu"uekgpeg"cpf"  
xqecvkqpcn"kpvtwevkqp="cpf

(K) the overall security of the facility.

(3) Grade levels:

\*C+"gng o gpvct{"uejqqn"ngxgn//c"uejqqn"hceknkv{"vjcv"kpenwfgu"uq o g"qt"cmn"i tcfgu"  
htq o "rtgmkpfgtictvgp"vj tqw i j" I tcf g"7"qt" I tcf g"8=

\*D+"okffng"uejqqn"ngxgn//c"uejqqn"hceknkv{"vjcv"kpenwfgu"uq o g"qt"cmn"i tcfgu"htq o "  
I tcf g"8"vj tqw i j" I tcf g": "qt" I tcf g"; ".qt" c"uejqqn"hceknkv{"vjcv"kpenwfgu"qp n{"  
I tcf g"8=

\*E+"jki j"uejqqn"ngxgn//c"uejqqn"hceknkv{"vjcv"kpenwfgu"uq o g"qt"cmn"i tcfgu"htq o "  
I tcf g"; "qt" I tcf g"32"vj tqw i j" I tcf g"34."qt" c"uejqqn"hceknkv{"vjcv"kpenwfgu"qp n{"  
I tcf g";="cpf

\*F+"ugeqpfct{"uejqqn"ngxgn//c"uejqqn"hceknkv{"vjcv"kpenwfgu"uq o g"qt"cmn"i tcfgu"htq o "  
I tcf g"8"vj tqw i j" I tcf g"340

\*6+"Jc|ctfqwu"ejg o kecn//Cu"fg lpgf"d{"vjg"Vgzcu"J gcnvj"cpf"Uchgv{"Eqfg."Ejcrvgt"  
502, Hazard Communication Act.

\*7+"Kpuvtwevkqpcn"urceg//I gpgtcn"encuutqq o u."urgekcnk|gf"encuutqq o u."qwwfqqt"ngctpkpi"  
areas, and major support areas.

\*8+"Nkdtct{/Nkdtct{"ykn"kpenwfg"vjg"hnqnykpi" o kpo w o "tgs wktg o gpvu<

\*C+"tgcfkpi lkpuvtwevkqpcn"ctgc=

\*D+"tghgtgpeg|kpfgrgpfgpv"uwvf{"ctgc=

\*E+"uvcem"ctgc=

\*F+"ektewncvkqp"fgum|ctgc=

\*G+"eq o rwwgtlqp/nkpg"tghgtgpeg"ctgcu="cpf

\*H+"pgeguuct{"cpeknct{"ctgcu."uwej"cu"qh"egu."yqmtqq o u."jgcf/gpf"tqq o."cpf" uvqtcig"tqq o u)

\*9+"Nqpi/tcpi g"uejqn"heknkv{"rncp//Uejqn"fkutkevu"ctg"pgeqwtcigf"vq"htq o wncvg" c"nqpi/tcpi g"heknkvkgu"rncp"rtkqt"vq" o cmkpi" o clqt"ecrkvcn"kpvguv o gpvu) "Y jgp" hqt o wncvki" c"rncp."c"uejqn"fkutkevu" r tgeguu"ujqwnf"cnny"htq"krwv"htq o" teachers, students, parents, taxpayers, and other interested parties that reside within the school district. Major considerations should include:

\*C+"c"fguetkrvkqp"qh"vjg"ewttgpn"cpf"hwvwtg"kpvtwevkqpcn"rtqitc o"cpf"kpvtwevkqpcn" fgkxgt{"kuuwgu=

\*D+"vjg"ci g."eqp"fkvkqp."cpf"gfwevkqpcn"cr rrtqr tkcvpguu"qh"cnndwknfki u"qp"vjg" ec o r wu"\*kp"fkutkev+."eqpukfgtkpi"eqp"fkvkqp"qh"cnneq o r qpgpvu"cpf"u{"uvg o u"cu" ygnn"cu"fgukip"egzdknkvt{"kpenwfkpi"cp"guvk o cvg"qh"equv"vq"tgrnceg"qt"tghwtduj" cpf"cr rrtqr tkcvg"tgeq o o gpf"cvkqpu=

\*D+"xgtk"ecvkqp"qh"vjg"uwkcdknkv{"qh"uejqn"ukvg\*u+"hqt"vjg"kpvgpfgf"wg." eqpukfgtkpi"uk|g."ujcrg."wugcdng"ncpf."uwkcdknkv{"hqt"vjg"rncppgf" k o r t q x g o g p v u . " c p f " c f g s w e v g " x g j k e w n c t " c p f " r g f g u v t k c p " c e e g u u . " s w g w k p i . " r c t m k p i . " r n c { i t q w p f u " c p f " f g n f u . " g v e 0 = " c p f

\*F+"c"vk o g/nkpg"cpf"cu"gtkgu"qh"tgeq o o gpf"cvkqpu"vq" o qfkh{"qt"uwr r ng o gpv" gzkvki"heknkvkgu"vq"uwr r qtv"vjg"fkutkevu"kpvtwevkqpcn"rtqitc o)

\*:+"Oclqt"urceg"tgpqxcvkqpu//Tgpqxcvkqpu"vq"cnnt"qt"rctv"qh"vjg"heknkv{"uu"kpvtwevkqpcn" urceg" y j g t g " v j g " u e q r g " q h " v j g " y q t m " k p " v j g " c h h g e v g f " r c t v " q h " v j g " h e k n k v { " k p x q n x g u " u w d u v p k c n " t g p q x c v k q p u " v q " v j g " g z v g p v " v j c v " o q u v " g z k u v k i " k p v g t k q t " y c n n u " c p f " f z v w t g u " c t g " f g o n k u j g f " c p f " v j g p " u w d u g s w g p v n { " t g d w k n v " k p " c " f k h h g t g p v " e q p f i w t c v k q p " c p f l q t " h w p e v k q p " Q v j g t " t g p q x c v k q p u " c u u q e k e v g f " y k v j " t g r c k t " q t " t g r n c e g o g p v " q h " c t e j k y g e v w t n " k p v g t k q t " q t " g z v g t k q t " f p k u j g u = " f z v w t g u = " g s w k r o g p v = " c p f " g n g e v t k e c n . " r n w o d k p i . " c p f " o g e j c p k e c n " u { u v g o u " c t g " p q v " u w d l g e v " v q " v j g " t g s w k t g o g p v u " q h " u w d u g e v k q p u " \* f + " c p f " \* g + " q h " v j k u " u g e v k q p . " d w v " u j c m n e q o r n { " y k v j " c r r n k e c d n g " d w k n f k p i " e q f g u " c u " t g s w k t g f " d { " subsection (f) of this section.

\*;+"Uswctg"hggn"rgt"uvwfgpv//Vjg"pgv"uswctg"hqvcig"qh"ctqq o"fkxkfgf"d{"vjg" o czk o w o " p w o d g t " q h " u w v f g p v u " v q " d g " j w u g f " k p " v j c v " t q q o " f w t k p i " c p { " u k p i n g " e n c u u " period.

\*32+"Uswctg"hggn"rgt"tqq o" o gcuwtg o gpvu//Vjg"pgv"uswctg"hqvcig"qh"ctqq o" kpenwfgu" g z r q u g f " u v q t c i g " u r c e g . " u w e j " c u " e c d k p g v u " q t " u j g n x k p i . " d w v " f q g u " p q v " k p e n w f g " j c n n y c { " u r c e g . " e n c u u t q q o " f q q t " c n e q x g u . " q t " u v q t c i g " u r c e g . " u w e j " c u " e n q u g v u " q t " r t g r c t c v k q p " q h " e g u " V j g " p g v " u s w c t g " h q v c i g " q h " c " t q q o " u j c m n " d g " o g c u w t g f " h t q o " v j g " k p u k f g " u w t h c e g u " q h " v j g " t q q o " u u " y c n n u )

(11) Abbreviations:

\*C+""CPUK//C o gtkecp"Pcvkqpcn"Uvcpfctfu"Kpukvkvvg=

\*D+""KEE//Kpvgtpcvkqpcn"Eqfg"Eqwpekn="cpf

\*E+""PHRC//Pcvkqpcn"Hktg"Rtqvgevkqp"Cuuqekcvkqp0

\*d+"K o ring o gpvcvkqp"fcvg0"Vjg"tgswktg o gpvu"hqt"uejqqn"hccknk{ "uvcpfctfu"ujcnn"cr rn{"vq" projects for new construction or major space renovations for which the construction fqew o gpvu"jcxg"dggp"cr rrtqxf"d{"c"uejqqn"fkvtkev"dqctf"qh"vtwuvvgu."qt"cdqctf"u" authorized representative, on or after January 1, 2004. For projects for which a school district approved the construction documents prior to January 1, 2004, if a school fkvtkev" o cmgu"ejcpigu"qt"tgxkukqpu"vq"vjg"fgukip"qh"vjg"rtqlgevu"qp"qt"chvgt"Lcpwct{"3." 4226."cpf"dghqtg"vjg"gp"qh"eqpuvtwevkqp."vjg"ejcpigu"qt"tgxkukqpu"ctg"uwdlgev"vq"vjg" uvcpfctfu"urgekfgf"kp"E8303255"qh"vjku"vkng"\*tgncvki"vq"Uejqqn"Hccknkvgu"Uvcpfctfu"hqt" Construction before January 1, 2004). For projects funded from bond elections passed rtkqt"vq"Qevqdg"3."4225."cpf"hqt"yjkj"ce"eqpvtcev"hqt"eqpuvtwevkqp"jcu"dggp"cyctfgf"pq" ncvgt"vjcp"Fgegodgt"53."4227."c"uejqqn"fkvtkev"oc{"eqorn{"ykvj"vjg"uvcpfctfu"urgekfgf" kp"E8303255\*f+\*4\*D+\*kk+"qh"vjku"vkng"kp"ngw"qh"vjg"uvcpfctfu"urgekfgf"kp"uwdugevkqp" \*f+\*7+E+\*kk+"qh"vjku"ugevkqp."cpf"ykvj"vjg"uvcpfctfu"urgekfgf"kp"E8303255\*f+\*4+E+\*kk+"qh" vjku"vkng"kp"ngw"qh"vjg"uvcpfctfu"urgekfgf"kp"uwdugevkqp"\*f+\*7+F+\*kk+"qh"vjku"ugevkqp0

\*e+"Egtvkf"ecvkqp"qh"fgukip"cpf"eqpuvtwevkqp0

\*3+"Kp"vjku"ugevkqp."vjg"yqtf"oegtkh{"÷"kpfkecvgu"vjcv"vjg"ctejkvev"qt"gpikpggt"jcu"tgxkygf" vjg"uvcpfctfu"eqpvckpgf"kp"vjku"ejcrvgt"cpf"wugf"vjg"dguv"rtqhuukqpcn"lwfio"gpv"cpf" tgcuqpcdngectg"eqpukuvpv"ykvj"vjg"rtceveg"qh"ctejkvevwtg"qt"gpikpggtkpi"kp"vjg"Uvcvg" qh"Vgzcu"kp"gzgewkpi"vjg"eqpuvtwevkqp"fqew o gpvu0"Vjg"ctejkvev"qt"gpikpggt"cnug" egtvkfgu"vjcv"vjgug"fqew o gpvu"eqphqt o"vq"vjg"rtqkukqpu"qh"vjku"ugevkqp."gzegr"v"cu" kpfkecvgf"qp"vjg"egtvkf"ecvkqp0

\*4+"Vjg"uejqqn"fkvtkev"ujcnn"pqvkh{"cpf"qdnkicvg"vjg"ctejkvev"qt"gpikpggt"vq"rtqkfg" vjg"tgswktgf"egtvkf"ecvkqp0"Vjg"ctejkvev"u"qt"gpikpggt"u"ukipcvwtg"cpf"ugcn"qp"vjg" construction documents shall certify compliance.

\*5+"Vq"gpwtg"vjcv"hccknkvgu"jcxg"dggp"fgukipgf"cpf"eqpuvtwevgf"ceeqtkpi"vq"vjg" provisions of this section, each of the involved parties shall execute responsibilities as follows.

\*C+""Vjg"uejqqn"fkvtkev"ujcnn"rtqkfg"vjg"ctejkvev"qt"gpikpggt"vjg"gfwevkqpcn" rtiitc o"cpf"gfwevkqpcn"urgekfgf"kp"vjku"ejcrvgt"cpf"dwkfkpi"eqfg"urgekfgf"kp"vjku"hccknk{0"Kh" c" uejqqn"fkvtkev"jcu"cnapi"tcpi"uejqqn"hccknk{"rnep."kv"ujcnn"cnug"dg"rtqkfgf"vq" vjg"ctejkvev"qt"gpikpggt0

\*D+""Vjg"ctejkvev"qt"gpikpggt"ujcnn"rgthqt o" c"dwkfkpi"eqfg"ugctej"wpfgt"crnkcedng" tgiwncvqpu"vjcv"oc{"kp(Ewpgpeg"vjg"rtqlgev."cpf"ujcnn"egtvkh{"vjcv"vjg"fgukip"jcu" dggp"tgugctejgf"dghqtg"kv"ku"fgpcn0

\*E+""Vjg"cte j kygev"qt"gp i kpggt"uj cmm"cnuq"egtvkh{"vjcv"vjg"heeknv{"jcu"dgpp"fguk i pgf" ceeqt fkp i "vq"vjg"rtqkukqpu"qh"vjku"ugevkqp."dcugf"qp"vjg"gfweckqpcn"rtq i tco." gfweckqpcn"urgek l ecvkqpu."nqpi /tcp i g"uejqqn"heeknv{"rncp."dwknfkip"eqfg" urgek l ecvkqpu."cpf"cm"fqew o gpvgf"ejcpi gu"vq"vjg"eqpuvtwevkqp"fqew o gpvu" provided by the district.

\*F+""Vjg"dwknfkip"eqpuvtcevqt"qt"eqpuvtwevkqp" o cpcigt"uj cmm"egtvkh{"vjcv"vjg"heeknv{"jcu" dgpp"eqpuvtwevgf"kp" i gpgtcn"ceeqt f cpeg" ykvj"vjg"eqpuvtwevkqp"fqew o gpvu"urgek l gf" kp"uwdrctc i tcr j" \*E+"qh"vjku"rctc i tcr j 0"Kh"vjg"uejqqn"fkvtkev"cevu"cu" i gpgtcn" eqpuvtcevqt."kv"ujcmm" o cmg"vjg"egtvk l ecvkqp"tgswktgf"d{"vjku"rctc i tcr j 0

(E) When construction is completed, the school district shall certify that the facility eqphqt o u"vq"vjg"fguk i p"tgswktg o gpvu"urgek l gf"kp"uwdrctc i tcr j" \*C+"qh"vjku" rctc i tcr j 0

\*H+""Vjg"egtvk l ecvkqpu"urgek l gf"kp"uwdrctc i tcr j u" \*C+/\*G+"qh"vjku"rctc i tcr j"ujcm"dg" i cvjgtgf"qp"vjg"öEgtvk l ecvkqp"qh"Rtqlgev"Eq o rnkcepg÷"hqt o "fgxgnqrgf"d{"vjg" Vgzcu"Gfweckqpcn" C i gpe{"\*VGC+0"Vjg"uejqqn"fkvtkev" yknn"tgvcvkp"vjku"hqt o "kp"vjgkt" l ngu"kpfg l pkvgn{"wpvkn"tgxky"cpflqt"uwo kvvcn"ku"tgswktgf"d{"tgrtgupvcvxgu"qh"vjg" TEA.

\*f+""Urceg." o kpk o w o "uswtg"hqvy."cpf"fguk i p"tgswktg o gpvu0

\*3+""C"uejqqn"fkvtkev"ujcmm"rtqkfg"kpvtwevkqpcn"urceg"kh"tgswktgf"d{"vjg"fkvtkev" gfweckqpcn"urgek l ecvkqpu"fguetkdgf"kp"uwdugevkqp" \*g+"qh"vjku"ugevkqp0

\*4+""Hqt"gecj"v{"rg"qh"kpvtwevkqpcn"urceg."c"fkvtkev"ujcmm"ucvkuh{"vjg"tgswktg o gpvu"qh"vjku" ugevkqp"d{"wukpi"vjg"uvcpfctf"hqt"uswtg"hggy"rgt"tqq o "urgek l gf"kp"rctc i tcr j" \*7+\*D+/  
(D) of this subsection. For school districts with facilities that have one or more classrooms with maximum class sizes that are normally less than 22 students at the gng o gpvct{"ngxgn"cpf"nguu"vjcp"47"uwwfgpvu"cv"vjg" o kffng"qt"jki j"uejqqn"ngxgn."vjg" uejqqn"fkvtkevu" o c{"ucvkuh{"vjg"tgswktg o gpvu"qh"vjku"ugevkqp"hqt"vjqug"encuutqq o u"d{" wukpi"vjg"uvcpfctf"hqt"vjg" o kpk o w o "uswtg"hggy"rgt"uwwfgpv"urgek l gf"kp"rctc i tcr j" \*7+\*D+/\*F+"qh"vjku"uwdugevkqp0"Vjgug"encuutqq o u"ujcmm"dg"fguk i pgf"qp"vjg"dcuku"qh" gzrgevfg" o czk o w o "encuu"uk | g."cpf"pqv"gzrgevfg"cxgtc i g"encuu"uk | g0"Wrqp"uwo kuukqp" d{"c"fkvtkev."cnvgtpcvg"encuutqq o "fguk i pu" ykvj"uswtg"hggy"rgt"tqq o " o gcuwtg o gpvu" nguu"vjcp"vjqug"urgek l gf"kp"vjku"uwdugevkqp" o c{"dg"eqpukfgtgf"hqt"cr rrtqxcn"d{"vjg" VGC"fkxkukqp"tgurqpukdng"hqt"uvcvg"hwvfkpi"qp" c"ecug/d{/ecug"dcuku0

\*5+""Uejqqn"fkvtkevu"ujqwnf"eqpukfgt"rtqkfkpi"gzvte"uswtg"hqvc i g"kp"encuutqq o u" y jgtg" vjg"wug"qp" c"tg i wnet"dcuku"qh" o wnvkrng"eq o r wvgtu."nct i g"hwtpkvwtg."vnggxkukqpu." o qdkng" ncrvqr"ectvu." o qdkng" xkfgg"eqphgtgpekp i "ectvu." o qpkvqtu"qp"ectvu."qt"vjg"nkmg"ku" anticipated. To improve circulation and usability of classroom space, school districts ykvj"encuu"uk | gu"vjcv"ctg"pqt o cmm{"nct i g"vjcp"47"uwwfgpvu"hqt" I tcfgu"7/34"ujqwnf"cnuq" eqpukfgt"ketgucup i "vjg" o kpk o w o "encuutqq o "uk | g"d{"c f fkp i "vjg"cr rrtqtkcvg" o kpk o w o " uswtg"hggy"rgt"uwwfgpv"urgek l gf"kp"rctc i tcr j" \*7+\*D+/\*F+"qh"vjku"uwdugevkqp"hqt"gecj" student in excess of 25.

\*6+""Eq o rnkcepg" ykvj"vjg"uvcpfctfu"urgek l gf"kp"rctc i tcr j" \*7+\*D+/\*F+"qh"vjku"uwdugevkqp" yknn"dg" gxcnwcvgf"dcugf"qp"vjg"uejqqn"fkvtkev"u"kpvgpfgf"hwmm/vk o g"cpflqt"rctv/vk o g" wug"qh"vjg"ctgcu."cpf"pqv"vjg"pc o g"qh"vjg"ctgcu"cu" kfgpvk l gf"kp"vjg"eqpuvtwevkqp" documents.

\*7+""kpvtwevkqpcn"ctgc"uk|g"cpf"fgukip"tgs wktg o gpvu0

\*C+ "Fgukip"etkvtkc0"Vjg"uejqqn"fkvtkeu"ujcnn"rtqxfkg"vjg"ctejkvge"qt"gpikpggt"ykvj"  
all expected class sizes for the facilities, with the list of chemicals to be used in  
vjg"uekgpeg"ncdqtcvqtkgu"qt"uekgpeg"ncdqtcvqt{lencuutqq o u."cpf"ykvj"vjg"pw o dgt"  
qh"eq o rwwgtu"cpvkekrvcgf"kp"vjg"nkdtct{"uq"vjcv"vjg"ctejkvge"qt"gpikpggt"ecp"  
c f g s w c v g n {" f g u k i p " v j g " h c e k n k v k g u " v q " o g g v " v j g " e t k v t k c " u r g e k f g f " k p " u w d r c t c i t c r j u " \* D + /  
\*F+"qh"vjku"rtcti tcr j0

(B) General classrooms.

\*k+ ""Encuutqq o u" hqt" r t g m k p f g t i c t v g p / I t c f g " 3 " u j c n n " j c x g " c " o k p k o w o " q h " : 22 " u s w c t g "   
feet per room. School districts with small class sizes may have classrooms that  
rtqxfkg" c " o k p k o w o " q h " 58 " u s w c t g " h g g v " r g t " u w f g p v 0

(ii) Classrooms at the elementary school level for Grades 2 and up shall have a  
o k p k o w o " q h " 922 " u s w c t g " h g g v " r g t " t q q o 0 " U e j q q n " f k u v t k e u " y k v j " u o c n n " e n c u u " u k | g u "   
o c { " j c x g " e n c u u t q q o u " v j c v " r t q x k f g " c " o k p k o w o " q h " 54 " u s w c t g " h g g v " r g t " u w f g p v 0

(iii) Classrooms at the secondary school level shall have a minimum of 700  
u s w c t g " h g g v " r g t " t q q o 0 " U e j q q n " f k u v t k e u " y k v j " u o c n n " e n c u u " u k | g u " o c { " j c x g "   
e n c u u t q q o u " v j c v " r t q x k f g " c " o k p k o w o " q h " 4 : " u s w c t g " h g g v " r g t " u w f g p v 0

(C) Specialized classrooms.

\*k+ ""C"eq o rwwgt"encuutqq o "wugf" hqt"vjg"vgcejkipi"qh"eq o rwwgt"umknnu"ujcnn"jcxg" c "   
o k p k o w o " q h " ; 22 " u s w c t g " h g g v " r g t " t q q o 0 " V j g " o k p k o w o " t q q o " u k | g " k u " k f g c n " h q t " 47 "   
u w f g p v u - " 58 " u s w c t g " h g g v " r g t " u w f g p v " u j q w n f " d g " c f f g f " v q " v j g " o k p k o w o " u s w c t g "   
h q q v c i g " h q t " g c e j " u w f g p v " k p " g z e g u u " q h " 470 " U e j q q n " f k u v t k e u " y k v j " u o c n n " e n c u u " u k | g u "   
o c { " j c x g " e q o r w w g t " e n c u u t q q o u " v j c v " r t q x k f g " c " o k p k o w o " q h " 58 " u s w c t g " h g g v " r g t "   
student. School districts should consider the heat output of computers when  
f g u k i p k p i " v j g " x g p v k n c v k q p " u { u v g o " v j c v " u g t x g u " c " e q o r w w g t " e n c u u t q q o 0

\*kk+ ""Eq o rwwgt"ncdqtcvqtkgu"vjcv"ctg"pqv" wugf" t g i w n c t n {" h q t " u e j g f w n g f " k p u v t w e v k q p " d w v "   
that are intended to support other instructional areas shall have a minimum of  
47" u s w c t g " h g g v " r g t " e q o r w w g t " u v c k q p 0 " H q t " e q o r w w g t " n c d q t c v q t k g u " y j g t g " v j g " w u g "   
of portable computers, such as laptop computers, is anticipated, the size may  
d g " t g f w e g f " v q " 42 " u s w c t g " h g g v " r g t " e q o r w w g t " u v c k q p 0

\*kkk+ ""Vjg" hqnnqykipi"rtqxxkqpu"ujcnn"cr rn{"vq"eq o dkpcvkqp"uekgpeg"ncdqtcvqt{l  
classrooms, where each student has a lab station and where typically there is  
c " e n g c t n {" f g l p g f " n c d q t c v q t {" c t g c " c p f " c " e n g c t n {" f g l p g f " n g e v w t g " c t g c 0

\*K+ ""Eq o dkpcvkqp"uekgpeg"ncdqtcvqt{lencuutqq o u"ujcnn"jcxg" c " o k p k o w o " q h "   
; 22 " u s w c t g " h g g v " r g t " t q q o " c v " v j g " g n g o g p v c t {" u e j q q n " n g x g n 0 " V j g " o k p k o w o "   
t q q o " u k | g " k u " c f g s w c v g " h q t " 44 " u w f g p v u - " 63 " u s w c t g " h g g v " r g t " u w f g p v " u j c n n "   
d g " c f f g f " v q " v j g " o k p k o w o " u s w c t g " h q q v c i g " h q t " g c e j " u w f g p v " k p " g z e g u u " q h "   
22.

\*KK+""Eq o dkpcvkqp"uekgpeg"ncdqtcvqt { lencuutqq o u"ujcmm"jcxg"c" o kpk o w o "qh" 3.422"uswctg"hggv"rgt"tqq o "cv"vjg" o k f fng"uejqqn"ngxgn0"Vjg" o kpk o w o "tqq o "uk|g"ku"cf gswcvg"hqt"46"uwvfgpvu="72"uswctg"hggv"rgt"uwvfgpv"ujcmm"dg"cf f g f"vq"vjg" o kpk o w o "uswctg"hqvc i g"hqt"gcej"uwvfgpv"kp"gzeguu"qh" 24.

\*KKK+""Eq o dkpcvkqp"uekgpeg"ncdqtcvqt { lencuutqq o u"ujcmm"jcxg"c" o kpk o w o "qh" 3.622"uswctg"hggv"rgt"tqq o "cv"vjg"jki j"uejqqn"ngxgn0"Vjg" o kpk o w o "tqq o "uk|g"ku"cf gswcvg"hqt"46"uwvfgpvu="7": "uswctg"hggv"rgt"uwvfgpv"ujcmm"dg"cf f g f"vq"vjg" o kpk o w o "uswctg"hqvc i g"hqt"gcej"uwvfgpv"kp"gzeguu"qh"460

(IV) School districts with small class sizes may have combination science ncdqtcvqt { lencuutqq o u"vjcv"rtqxkfg"c" o kpk o w o "qh"63"uswctg"hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp"922"uswctg"hggv"vqvcn"cv"vjg"gn g o gpvct { "uejqqn"ngxgn."c" o kpk o w o "qh"72"uswctg"hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp"; 72"uswctg"hggv"vqvcn"cv"vjg" o k f fng"uejqqn"ngxgn."cpf" c" o kpk o w o "qh"7: "uswctg" hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp"3.322"uswctg"hggv"vqvcn"cv"vjg"jki j" school level.

(iv) For districts that choose to use separate science classrooms and science ncdqtcvqtkgu."vjg"hqnnqykp i "rtqxkukqpu"ujcmm"cr rn {0

\*K+"" C"uekgpeg"encuutqq o "ujcmm"dg" c" o kpk o w o "qh"922"uswctg"hggv"tgi ctfnguu"qh" i tcf g"ngxgn"ugtxgf0

\*KK+"" C"uekgpeg"ncdqtcvqt { "ujcmm"jcxg"c" o kpk o w o "qh": 22"uswctg"hggv"cv"vjg"gn g o gpvct { "uejqqn"ngxgn0"Vjg" o kpk o w o "ncdqtcvqt { "uk|g"ku"cf gswcvg"hqt" 44"uwvfgpvu="58"uswctg"hggv"rgt"uwvfgpv"ujcmm"dg"cf f g f"vq"vjg" o kpk o w o "uswctg"hqvc i g"hqt"gcej"uwvfgpv"kp"gzeguu"qh"440

\*KKK+ "C"uekgpeg"ncdqtcvqt { "ujcmm"jcxg"c" o kpk o w o "qh"; 22"uswctg"hggv"cv"vjg" o k f fng"uejqqn"ngxgn0"Vjg" o kpk o w o "ncdqtcvqt { "uk|g"ku"cf gswcvg"hqt"46" uwvfgpvu="5": "uswctg"hggv"rgt"uwvfgpv"ujcmm"dg"cf f g f"vq"vjg" o kpk o w o "uswctg"hqvc i g"hqt"gcej"uwvfgpv"kp"gzeguu"qh"460

\*KX+"" C"uekgpeg"ncdqtcvqt { "ujcmm"jcxg"c" o kpk o w o "qh"3.222"uswctg"hggv"cv"vjg"jki j"uejqqn"ngxgn0"Vjg" o kpk o w o "ncdqtcvqt { "uk|g"ku"cf gswcvg"hqt" 46"uwvfgpvu="64"uswctg"hggv"rgt"uwvfgpv"ujcmm"dg"cf f g f"vq"vjg" o kpk o w o "uswctg"hqvc i g"hqt"gcej"uwvfgpv"kp"gzeguu"qh"460

(V) Science classrooms shall be provided at a ratio not to exceed 2:1 of science classrooms to science laboratories at the middle school and jki j"uejqqn"ngxgn0"Vjg"uekgpeg"ncdqtcvqtkgu"ujcmm"dg"nqecv g f"eqpxgpkgpv" to the science classrooms they serve.

(VI) School districts with small class sizes may have science classrooms vjcv"rtqxkfg"c" o kpk o w o "qh"54"uswctg"hggv"rgt"uwvfgpv."cpf"vjg {" o c {" jcxg"uekgpeg"ncdqtcvqtkgu"vjcv"rtqxkfg"c" o kpk o w o "qh"58"uswctg"hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp"822"uswctg"hggv"vqvcn"cv"vjg"gn g o gpvct {" uejqqn"ngxgn."c" o kpk o w o "qh"5: "uswctg"hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp" 922"uswctg"hggv"vqvcn"cv"vjg" o k f fng"uejqqn"ngxgn."cpf" c" o kpk o w o "qh"64" uswctg"hggv"rgt"uwvfgpv"dww"pqv"nguu"vjcp": 22"uswctg"hggv"vqvcn"cv"vjg"jki j" school level.

(v) If hazardous or vaporous chemicals are to be used in the science laboratories

\*xk+ Gcej uejqqn uekgpeg ncdqtcvqt { . uekgpeg encuutqq o . uekgpeg ncdqtcvqt { l encuutqq o . uekgpeg rtgrctcvqt { tqq o . cpf e j g o kecn uvqtc i g tqq o u j c m n k p e n w f g v j g h q n n q y k p i r t q x k u k q p u 0

\*K+ C dwknv/kp h w o g j q q f u j c m n d g r t q x k f g f k p g c e j j k i j u e j q q n n g x g n e j g o k u v t { q t c f x c p e g f r n c e g o g p v e j g o k u v t { n c d q t c v q t { q t n c d q t c v q t { l e n c u u t q q o 0 C dwknv/kp h w o g j q q f u j q w n f c n u q d g r t q x k f g f k p g c e j j k i j u e j q q n n g x g n k p v g i t e v g f r j { u k e u c p f e j g o k u v t { n c d q t c v q t { q t n c d q t c v q t { l c l a s s r o o m . T h e e x h a u s t s h a l l b e v e n t e d t o t h e o u t s i d e a b o v e t h e r o o f a n d a w a y f r o m a i r v e n t s .

\*KK+ C dwknv/kp g { g l h c e g y c u j v j c v e c p y c u j d q v j g { g u u k o w n v c p g q w u n { s h a l l b e p r o v i d e d i n e a c h r o o m w h e r e h a z a r d o u s c h e m i c a l s a r e u s e d d { k p u v t w e v q t u c p f l q t u v w f g p v u 0 V j g g { g l h c e g y c u j u j c m n e q o r n { y k v j v j g C P U K U v c p f c t f u h q t U j q y g t c p f G { g y c u j G s w k r o g p v \* \ 5 7 : 0 3 + 0 V j g v g r k f y c v g t t g s w k t g f d { C P U K \ 5 7 : 0 3 k u p q v t g s w k t g f v q e q o g h t q o c j g c v g f u q w t e g = j q y g x g t . u e j q q n f k u v t k e v u v j c v e q o o q p n { g z r g t k g p e g n g p i v j { r g t k q f u q h g z v t g o g n { e q n f v g o r g t c v w t g u f w t k p i t h e w i n t e r s e a s o n s h o u l d c o n s i d e r a t e p i d w a t e r s y s t e m w i t h a h e a t e d s o u r c e .

\*KKK+ C dwknv/kp u c h g v { u j q y g t u j c m n d g r t q x k f g f k p g c e j j k i j u e j q q n n g x g n e j g o k u v t { q t c f x c p e g f r n c e g o g p v e j g o k u v t { n c d q t c v q t { q t n c d q t c v q t { l e n c u u t q q o 0 C dwknv/kp u c h g v { u j q y g t u j q w n f c n u q d g r t q x k f g f k p g c e j j k i j u e j q q n n g x g n k p v g i t e v g f r j { u k e u c p f e j g o k u v t { n c d q t c v q t { q t n c d q t c v q t { l e n c u u t q q o 0 V j g u c h g v { u j q y g t u j c m n e q o r n { y k v j v j g C P U K U v c p f c t f u h q t U j q y g t c p f G { g y c u j G s w k r o g p v \* \ 5 7 : 0 3 + 0 V j g v g r k f y c v g t u { u v g o t g s w k t g f d { C P U K \ 5 7 : 0 3 k u p q v t g s w k t g f v q e q o g h t q o c j g c v g f u q w t e g = j q y g x g t . u e j q q n f k u v t k e v u v j c v e q o o q p n { g z r g t k g p e g n g p i v j { r g t k q f u q h g z v t g o g n { e q n f v g o r g t c v w t g u f w t k p i v j g y k p v g t s e a s o n s h o u l d c o n s i d e r a t e p i d w a t e r s y s t e m w i t h a h e a t e d s o u r c e .

\*KX+ X g p v k n c v k q p u { u v g o u u g t x k p i u e k g p e g t q q o u u j c m n d g f g u k i p g f c p f c o n s t r u c t e d s o t h a t u n d e r n o r m a l o p e r a t i o n t h e r e t u r n a i r f r o m t h e u e k g p e g t q q o u k u p q v t g e k t e w n c v g f k p v q p q p u e k g p e g c t g c u 0 k p v j g e j g o k e c n u v q t c i g t q q o u . c x g p v k n c v k q p u { u v g o u j c m n g z j c w u v v j g c k t v q v j g q w w u k f g . c p f u j c m n p q v d g t g e k t e w n c v g f d c e m k p v q v j g u r c e g 0



qp/nkpg"tghgtgpeg"ctgcu="cpf"47 ' "hqt"vjg"pgeguuct{"cpekncct{"ctgcu0"  
 Ykpfqyu"ujcnn"dg"rncegf"uq"vjcv"cfgswevg"ycnn"cpf"Eqqt"urceg"tg"ockpu"  
 vq"cee"o"o"qfcvg"vjg"ujgnxkpi"pgeguuct{"hqt"vjg"nkdtct{"eqmngvkvq"uk|g"  
 established by the School Library Standards and Guidelines.

(6) It is not the intent of these standards to limit the use of nontraditional, alternative, uwuvckpcdng."cpflqt"kpqxcvkg"uejqn"fgukipu0"C"pqpvtcfkvkqpcn"fgukip"o"qfgn"ku"qpg"vjcv"yqtmu"vq"dtgcm"fqyp"vjg"uecng"qh"vjg"uejqn"cpf"vq"ko"rtqxs"vjg"eqppgkvq"qh"vjg" student to the resources available within the school environment. If a school district ejqqugu"vq"wguc"pqpvtcfkvkqpcn"o"qfgn."vjg"hqmqy"kpi"rtqkukqpu"ujcnn"cr"rn{0

\*C+"" Vjg"kpvtwekvqpcn"urcegu"y"jgtg"vgcejgtu"y"kn"kpvtwev"i"tqwr"u"qh"uvwfgpvu"kp" urgekcnk|gf"eqwtugyqtm"ujcnn"oggv"vjg"uvcpfctf."cu"cr"rtqr"tkcvg"dcugf"qp"i"tqwr" uk|g."hqt"uswctg"hggv"rgt"tqo"qt"hqt"vjg"o"kpko"wo"uswctg"hggv"rgt"uvwfgpv" urgekfgf"kp"rctc"i"trj"\*7+\*E+"qh"vjku"uwdugevkvq0

\*D+"" Nctig"i"tqwr"ngevwtg"urcegu"vjcv"fq"pqv"wg"vcdngu"qt"fgumu"hqt"vjg"uvwfgpvu"ujcnn" jcxg"c"o"kpko"wo"qh"37"uswctg"hggv"rgt"uvwfgpv0"Nctig"i"tqwr"ngevwtg"urcegu"vjcv" fq"wg"vcdngu"qt"fgumu"hqt"vjg"uvwfgpvu"ujcnn"oggv"vjg"uvcpfctf."cu"cr"rtqr"tkcvg" dcugf"qp"i"tqwr"uk|g."hqt"uswctg"hggv"rgt"tqo"qt"hqt"vjg"o"kpko"wo"uswctg"hggv" rgt"uvwfgpv"urgekfgf"kp"rctc"i"trj"\*7+\*D+"qh"vjku"uwdugevkvq0"C"o"kpko"wo"qh"372" uswctg"hggv"ujcnn"dg"rtqxfgf"hqt"gej"u"o"cnm"i"tqwr."eqphgtgpeg."qt"qh"eg"urceg" area or room.

\*E+"" Cp"kpfxkfwcn"uvwfgpv"ngctkpi"ctgc"vjcv"ku"cuukipgf"vq"c"urgek"e"uvwfgpv"ujcnn" jcxg"c"o"kpko"wo"qh"57"uswctg"hggv0"Cp"kpfxkfwcn"uvwfgpv"ngctkpi"ctgc"vjcv"ku"pqv" cuukipgf"vq"c"urgek"e"uvwfgpv"ujcnn"jcxg"c"o"kpko"wo"qh"47"uswctg"hggv0

\*F+"" Kh"pgeguuct{"wpfgt"vjg"fgukip"o"qfgn."wr"vq"jcnh"qh"vjg"tgcfkpi"ltghgtgpeg"ctgc" hwpevkvq"qh"vjg"nkdtct{"oc{"dg"fkurgtugf"vj"tqwi"jqwv"vjg"hceknkv{"qwwukfg"vjg" pqt"ocn"nkdtct{"dqwpfctkgu0"Vjg"uw"o"vqvcn"uswctg"hqvcig"qh"cnm"nkdtct{/tgnvcgf" ctgcu"ujcnn"oggv"vjg"o"kpko"wo"uswctg"hggv"urgekfgf"hqt"nkdtctkgu"kp"rctc"i"trj" (5)(D)(ii) of this subsection.

\*9+"" Qvjgt"urceg"tgswktg"ogpvu"ujqwnf"dg"fgxgnqrgf"htqo"uejqn"fkvtkev"fgukip"etkvtkc"cu" tgswktgf"vq"oggv"gfwevkvqpcn"rtqi"tc"o"pggfuo

\*g+"" Gfwevkvqpcn"cfgswece{0 A proposed new school facility or major space renovation of an gzkvkvpi"uejqn"hceknkv{"oggvu"vjg"eqpfkvkqpu"qh"gfwevkvqpcn"cfgswece{"kh"vjg"fgukip"qh" vjg"rtqrqugf"rtqlgev"ku"dcugf"qp"vjg"tgswktg"ogpvu"qh"vjg"uejqn"fkvtkev"u"gfwevkvqpcn" rtqi"tc"o."vjg"gfwevkvqpcn"urgek"ecvkvqpu."cpf"vjg"uvwfgpv"rqrwncvkvq"vjcv"kv"ugtxgu0

\*h+"" Eqpvtwekvq"swcnkv{0

\*3+"" Fkvtkevu"ykvj"gzkvkpi"dwknfkpi"eqfgu0

(A) A school district located in an area that has adopted local construction codes ujcnn"eqorn{"ykvj"vjqug"eqfgu"\*kpenwfkpi"dwknfkpi."t"tg."r"nw"o"dkpi."ogejcpkecn." hwgn"icu."gpgti{"eqpugtvcvkvq."cpf"ngvevtkecn"eqfgu+0"Vjg"uejqn"fkvtkev"ku"pqv"

" tgs wktgf"vq"uggm"cf fkvkqpcn" rncp"tgxky y"qh"uejqqn" hceknkvkgu" r tqlgevu"qvjgt"vjcp" yjcv"ku"tgs wktgf"d{"vjg"nqecn"dwknfkpi"cwvjqtqv{"0"Kh"vjg"nqecn"dwknfkpi"cwvjqtqv{" fqgu"pqv"tgs wktg"rncp"tgxky y."vjgp"c"swcnk l g f."kpfgrgpfgpv"vjktf"rctv{"."pqv" g o r n q { g f " d { " v j g " f g u k i p " c t e j k v g e v " q t " g p i k p g g t " u j c m " t g x k y " v j g " r n c p u " c p f " u r g e k l e c v k q p u " h q t " e q o r n k c p e g " y k v j " v j g " t g s w k t g o g p v u " q h " v j g " c f q r v g f " d w k n f k p i " c o d e .

" Vjg"rncp"tgxky y"ujcmm"gzco kpg"eq o rnkcepg"eqpfkvkqpu" hqt" g o g t i g p e { " g i t g u u . " l t g " r t q v g e v k q p . " u v t w e v w t c n " k p v g i t k v { . " n k h g " u c h g v { . " r n w o d k p i . " g p g t i { " e q p u g t x c v k q p . " c p f " o g e j c p k e c n " c p f " g n g e v t k e c n " f g u k i p 0 " V j g " t g x k y y " u j c m " d g " e q p f w e v g f " r t k q t " v q " v j g " e q o o g p e g o g p v " q h " e q p u v t w e v k q p " c p f " o w u v " d g " e q p f w e v g f " d { " c " e g t v k l g f " d w k n f k p i " e q f g " e q p u w n v c p v " q t " c " v j k t f " r c t v { " c t e j k v g e v " q t " g p i k p g g t 0 " C " e g t v k l g f " d w k n f k p i " e q f g " e q p u w n v c p v " k u " c " r g t u q p " y j q " k u " e g t v k l g f " d { " g k v j g t " v j g " K E E = " K p v g t p c v k q p c n " E q p h g t g p e g " q h " D w k n f k p i " Q h l e k n u " \* K E D Q + = " U q w v j g t p " D w k n f k p i " E q f g " E q p i t g u u " K p v g t p c v k q p c n . " K p e 0 " \* U D E E K + = " q t " D w k n f k p i " Q h l e k n u " c p f " E q f g " C f o k p k u v t c v q t u " K p v g t p c v k q p c n " \* D Q E C K 0 " C u u q e k c v g f " h g g u " u j c m " d g " v j g " r e s p o n s i b i l i t y o f t h e s c h o o l d i s t r i c t .

The reviewer shall prepare a summary list of any conditions not in conformance ykvj"vjg"rtqxkukqpu"qh"vjg"cfqrvgf"dwknfkpi"eqfg"cpf"ku"tgs wktgf"vq"ugpf"c"eqr"{" vq"vjg"uejqqn"fkvtkev."fgukip"ctejkvev."qt"gpikpggt0"Vjg"fgukip"ctejkvev"qt" gpikpggt"ujcmm"tgxky y"vjg"rncpu"cpf"urgek l e c v k q p u " c u " p g e g u u c t { " c p f " e g t v k h { " e q f g " e q o r n k c p e g " v q " v j g " f k u v t k e v 0 " V j g " t g x k y y g t . " k p " j k u " q t " j g t " t g c u q p c d n g " l w f i o g p v " c p f " y k v j " v j g " c r r t q x c n " q h " v j g " n q e c n " d w k n f k p i " c w v j q t k v { . " o c { " c n n q y " c " n k o k v g f " p w o d g t " q h " x c t k c p e g u " h t q o " v j g " e q f g u " k h " u w e j " x c t k c p e g u " f q " p q v " p g i c v k x g n { " c h h g e v " v j g " s w c n k v { " o r s a f e t y o f t h e f a c i l i t y . A n y d i s p u t e s s h a l l b e a m a t t e r f o r c o n t r a c t r e s o l u t i o n .

(B) For school facilities projects subject to these standards, and where not qv j g t y k u g " t g s w k t g f " d { " n q e c n " e q f g . " l t g " c n c t o " u { u v g o u " u j c m " d g " r t q x k f g f 0 " H k t g " c n c t o " u { u v g o u " u j c m " d g " f g u k i p g f " c p f " k p u v c m n g f " k p " c e e q t f c p e g " y k v j " c r r n k e c d n g " r q t v k q p u " q h " v j g " n e v g u v " g f k v k q p " q h " v j g " k p v g t p c v k q p c n " D w k n f k p i " E q f g " \* K D E + " c p f " I n t e r n a t i o n a l F i r e C o d e ( I F C ) .

\*E+"" Cu"rctv"qh"vjgkt"uejqqn" hceknkvkgu" r tqlgevu"cpf" y j g t g " p q v " q v j g t y k u g " t g s w k t g f " d { " n q e c n " e q f g . " u e j q q n " f k u v t k e v " u j q w n f " e q p u k f g t " r t q x k f k p i " c w v q o c v k e " u r t k p m n g t " u { u v g o u " h q t " l t g " r t q v g e v k q p . " l t g " u w r r t g u u k q p . " c p f " n k h g " u c h g v { 0 " k p " c d u g p e g " q h " c " n q e c n " e q f g . " g c e j " c w v q o c v k e " u r t k p m n g t " u { u v g o " u j c m " d g " k p u v c m n g f " k p " c e e q t f c p e g " y k v j " v j g " l a t e s t e d i t i o n o f t h e I B C a n d I F C .

\*F+"" Kh"vjg"nqecn"dwknfkpi"cwvjqtqv{"fqgu"pqv"eqpfwev"tgxky y"u"cpf"kpur gev k q p u " f w t k p i " v j g " e q w t u g " q h " e q p u v t w e v k q p " q h " v j g " h c e k n k v { . " v j g p " c " s w c n k l g f . " k p f g r g p f g p v " v j k t f " r c t v { . " p q v " g o r n q { g f " d { " v j g " f g u k i p " c t e j k v g e v " q t " g p i k p g g t " q t " e q p v t c e v q t . " u j q w n f " r g t h q t o " c " t g c u q p c d n g " p w o d g t " q h " t g x k y y u " c p f " k p u r g e v k q p u " f w t k p i " v j g " e q w t u g " q h " e q p u v t w e v k q p " h q t " e q o r n k c p e g " y k v j " v j g " t g s w k t g o g p v u " q h " v j g " c f q r v g f " d w k n f k p i " c o d e . T h e r e v i e w s a n d i n s p e c t i o n s s h o u l d e x a m i n e c o m p l i a n c e c o n d i t i o n s f o r g o g t i g p e { " g i t g u u . " l t g " r t q v g e v k q p . " u v t w e v w t c n " k p v g i t k v { . " n k h g " u c h g v { . " r n w o d k p i . " g p g t i { " e q p u g t x c v k q p . " c p f " o g e j c p k e c n " c p f " g n g e v t k e c n " f g u k i p 0 " C " s w c n k l g f " e q f g " k p u r g e v q t " k u " c " r g t u q p " y j q " k u " e g t v k l g f " d { " g k v j g t " v j g " K E E . " K E D Q . " U D E E K . " K p e 0 . " q t " D Q E C K 0

\*4+""Fkuvtkevu"ykvjqwv"gzkuvkpi"dwknfkpi"eqfgu0

\*C+"" C"uejqqn"fkuvtkev"nqecvvgf"kp"cp"ctgc"vjcv"jcu"pqv"cfqrvvgf"nqecn"dwknfkpi"eqfgu"ujcmm"cfqrv"cpf"uwg"vjg"dwknfkpi"eqfg"cpf"tgncvvgf"igtg."rnw"odkpi."ogejcpkecn."hwgn"icu."cpf"gpgti{"eqpugtxcvkqp"eqfgu"htqo"vjg"ncvvgu"gfkvkqp"qh"vjg"hcokn{"qh"Kpvgtpcvkqpcn"Eqfgu"cu"rdnkujgf"d{"vjg"KEE="cpf"vjg"p"cvkqpcn"Gngevtke"Eqfg"cu"rdnkujgf"d{"vjg"PHRC0"Cu"cp"cnvgtpcvkxg."c"uejqqn"fkuvtkev"oc{"cfqrv"vjg"dwknfkpi"eqfg"cpf"tgncvvgf"igtg."rnw"odkpi."ogejcpkecn."hwgn"icu."cpf"gpgti{"eqpugtxcvkqp"eqfgu"cu"cfqrvvgf"d{"c"pgctd{"owpkekrckv{"qt"eqwv{"0"C"swcnk"l"gf."kpfgrgpfgpv"vjktf"rctv{"pqv"gor"nq"l"gf"d{"vjg"fgukip"cte"j"kvgev"qt"gpikpggt."ujcmm"tgxky"vjg"rncpu"cpf"urgek"l"ecvkqpu"htq"eqo"rnkcepeg"ykvj"vjg"tgs"wtgo"gpvu"qh"vjg"cfqrvvgf"dwknfkpi"eqfg0"Vjg"rncp"tgxky"ujcmm"gzc"okpg"eqo"rnkcepeg"eqpfkvkqpu"htq"gotigpe{"gitguu."igtg"rtqvgevkqp."uvtwevwtcn"kpvgitkv{"nkhg"uchgv{"rnw"odkpi."gpgti{"eqpugtxcvkqp."cpf"ogejcpkecn"cpf"gngevtkecn"fgukip0"Vjg"tgxky"ujcmm"dg"conducted prior to the commencement of construction and must be conducted d{"c"egtvk"l"gf"dwknfkpi"eqfg"eqpuwnvcpv"qt"v"jktf"rctv{"cte"j"kvgev"qt"gpikpggt0"C"egtvk"l"gf"dwknfkpi"eqfg"eqpuwnvcpv"ku"c"rgtuqp"yjq"ku"egtvk"l"gf"d{"gkvjgt"vjg"KEE."KEDQ."UDEEK."qt"DQECK0"Cu"qekcvvgf"hggu"ujcmm"dg"vjg"tgu"qpukdknkv{"qh"vjg"school district. The reviewer shall prepare a summary list of any conditions not kp"eqphqt"ocpeg"ykvj"vjg"rtq"xlkqpu"qh"vjg"cfqrvvgf"dwknfkpi"eqfg"cpf"ku"tgs"wtg"l"vq"ugpf"c"eqr{"vq"vjg"uejqqn"fkuvtkev."fgukip"cte"j"kvgev."qt"gpikpggt0"Vjg"fgukip"cte"j"kvgev"qt"gpikpggt"ujcmm"tgxky"vjg"rncpu"cpf"urgek"l"ecvkqpu"cu"pgeguuct{"cpf"certify code compliance to the district. The reviewer, in his or her reasonable lwfio"gpv."oc{"cmmqy"cnk"okvgf"pw"odgt"qh"xctkcegu"htqo"vjg"eqfgu"kh"uwej"xctkcegu"fq"pqv"pgi"cvkxgn{"chhgev"vjg"swcnkv{"qt"uchgv{"qh"vjg"hceknkv{"0"Cp{"disputes shall be a matter for contract resolution.

\*D+"" Hqt"uejqqn"hccknkvgu"rtqlgevu"uwdlgev"vq"vjgug"uvcpfctfu."igtg"cnct"ou"u{uvgo"u"ujcmm"dg"rtqxfgf0"Hktg"cnct"ou"u{uvgo"u"ujcmm"dg"fgukip"pgf"cpf"kp"uvcmngf"kp"ceeqtfcpeg"with applicable portions of the latest edition of the IBC and IFC.

(C) As part of their school facilities projects, school districts should consider rtq"xlkqpu"cwvq"ocvke"ur"tkpmngt"u"u{uvgo"u"htq"igtg"rtqvgevkqp."igtg"uwr"rtguukqp."cpf"nkhg"uchgv{"0"Gcej"cwvq"ocvke"ur"tkpmngt"u"u{uvgo"u"ujcmm"dg"kp"uvcmngf"kp"ceeqtfcpeg"with the latest edition of the IBC and IFC.

\*F+"" C"swcnk"l"gf."kpfgrgpfgpv"vjktf"rctv{"pqv"gor"nq"l"gf"d{"vjg"fgukip"cte"j"kvgev"qt"gpikpggt"qt"eqpvtcevqt."ujqwnf"rgthqt"oc"tgc"uqpcdn"pw"odgt"qh"tgxky"u"cpf"kp"ur"gevkqpu"fwtkpi"vjg"eqwtug"qh"eqp"uvtwevkqp"qh"vjg"hccknkv{"htq"eqo"rnkcepeg"ykvj"vjg"tgs"wtgo"gpvu"qh"vjg"cfqrvvgf"dwknfkpi"eqfg0"Vjg"tgxky"u"cpf"kp"ur"gevkqpu"ujqwnf"gzc"okpg"eqo"rnkcepeg"eqpfkvkqpu"htq"gotigpe{"gitguu."igtg"rtqvgevkqp."uvtwevwtcn"kpvgitkv{"nkhg"uchgv{"rnw"odkpi."gpgti{"eqpugtxcvkqp."cpf"ogejcpkecn"cpf"gngevtkecn"fgukip0"C"swcnk"l"gf"eqfg"kp"ur"gevt"ku"c"rgtuqp"yjq"ku"egtvk"l"gf"d{"gkvjgt"vjg"KEE."KEDQ."UDEEK"qt"DQECK0

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\*C+"" Hqt"uejqqn"hccknkvgu"rtqlgevu"uwdlgev"vq"vjgug"uvcpfctfu."cp"cf"gs"wcvg"vgej"pqnqi{"electrical, and communications infrastructure shall be provided. To ensure the cf"gs"wc{"qh"vjg"kphtcuvtwevwtg."vjg"uejqqn"fkuvtkev"cpf"vjg"cte"j"kvgev"qt"gpikpggt"ujcmm"uggm"vjg"kp"rvw"qh"vjg"uejqqn"fkuvtkev"uvchh."kpenw"fkpi."dvw"pqv"nk"okvgf"vq."vjg"

- " vgejppnqi {"fktgevqt."vjg"nkdtct{"fktgevqt."vjg"rtqitc o "fktgevqtu."vjg" o ckpvpgcpeg" fktgevqt."cpf"vjg"ec o rwu"uvchh."kp"vjg"rncppkpi "cpf" fgukip"qh"vjg"kphtcuvtwevwtg0
- (B) As part of their school facilities projects, school districts should consider the wug"qh"fgukipu."ogvjqfu."cpf" o cvgtkenu"jcv" yknn"tgfweg"vjg"rqvgpvkcn"hqt"kpfaqqt" ckt"swcnkv {"rtqdn go u0"Uejqqn"fkuvtkevu"ujqwnf"eqpuwnv"ykvj" c"swcnkv"fgf"kpfaqqt" ckt"swcnkv {"urgekcnkv"fwtkpi"vjg"fgukip"rtqeguu"vq"gpuwtg"jcv"vjg"rqvgpvkcn" hqt"kpfaqqt"ckt"swcnkv {"rtqdn go u"chvgt"eqpuvtwevkqp"cpf"qeewrpe {"qh" c" hceknkv {" ku" o kpk o k | g f 0"Uejqqn"fkuvtkevu"ujqwnf"wwknk | g"vjg"xqnpvct {"kpfaqqt"ckt"swcnkv {" i w f g n k p g u " c f q r v g f " d { " v j g " V g z c u " F g r c t v o g p v " q h " J g c n v j " w p f g t " v j g " J g c n v j " c p f " Safety Code, Chapter 385. School districts should also utilize the “Indoor Air Swcnkv {"Vqqnu"hqt"Uejqqnu" r t q i t c o " c f o k p k u v g t g f " d { " v j g " W 0 U 0 " G p x k t q p o g p v c n " R t q v g e v k q p " C i g p e { 0
- (C) As part of their school facilities projects, school districts should consider vjg"wug"qh"uwuvckpcdnge"uejqqn"fgukipu0"C"uwuvckpcdnge"fgukip"ku" c"fgukip"jcv" o k p k o k | g u " c " h c e k n k v { u u " k o r c e v " q p " v j g " g p x k t q p o g p v " v j t q w i j " g p g t i { " c p f " t g u q w t e g " g h l e k g p e { 0
- (D) School district facilities shall comply with the “Texas Accessibility Standards” cu"rtq o w n i c v g f " w p f g t " v j g " V g z c u " E k x k n " U v c v w v g u . " C t v k e n g " ; 3 2 4 . " C t e j k y g e v w t c n " D c t t k g t u " C e v . ] t g r g c n g f " c p f " t g e q f k l g f " c u " E j c r v g t " 6 8 ; . " V g z c u " I q x g t p o g p v " E q f g \_ " c u " r t g r c t g f " c p f " c f o k p k u v g t g f " d { " v j g " V g z c u " F g r c t v o g p v " q h " N k e g p u k p i " c p f " T g i w n c v k q p 0
- (E) School district facilities shall comply with the provisions of the Americans with Disabilities Act of 1990 (Title I and Title II).
- (F) School district facilities shall comply with all other local, state, and federal tgs w k t g o g p v u " c u " c r r n k e c d n g 0

**EGTVKHKECVKQP  
QH"RTQLGEV  
COMPLIANCE**

Distribution to:

District	<input type="checkbox"/>	CtejkvgevlGpikpggt	<input type="checkbox"/>
Contractor	<input type="checkbox"/>	Vgzcu"Gfwecvkqp"Cigpe{	<input type="checkbox"/>
Qvjgt"	<input type="checkbox"/>	Dwknfkpi"Fgrctvopv"	<input type="checkbox"/>

**1. PROJECT INFORMATION:**  
(name, address)

**CTEJKVGEVIGPIKPGGT<**

**CONTRACTOR:**

**RTQLGEV"PWODGT<**

**CONTRACT DATE:**

**DISTRICT:**

**FCVG"FKUVTKEV"CWVJQTK\GU"RTQLGEV<**

**DTKGH"FGUETKRVKQP"QH"RTQLGEV<**

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Vjg"kpvgpv"qh"vjkufqewogp"vku"vq"cuuwtg"vjcv"vjg"uejqqn"fkvtkev"jcu"rtqxfgf"vq"vjg"ctejkvevlGpikpggt"vjg"tgswtgfkphqto"cvkqp"cpf"vjg"ctejkvevlGpikpggt"jcu"tgxkgygf"vjg"Uejqqn"Hceknkvkgu"Uvcpfctfu"cu"tgswtgfkphqto"vjg"Uvcvg"qh"Vgzcu."cpf"wugf"jkuljgt"tgcupcdng"rtqhgaukqpcn"lwfio"gpv"cpf"ectg"kp"vjg"ctejkvevlGpikpggt/kpi"fgukip"cpf"vjcv"vjg"eqpvtcevqt"jcu"eqpuvtwevf"vjg"rtqlgev"kp"swcnkv{"o"cppgt"kp"igpgtcn"eqphqto"cpeg"ykvj"vjg"fgukip"tgswtgogp"vku"vq"vjg"uejqqn"fkvtkev"egtklgu"vq"rtqlgev"eq"oringvkp0

**3. The District** egtvk l gu"vjcv"vjg"gpqmnogp"rtqlgevqpu."gfwecvkqpcn"urgek l ecvkqpu."cpf"qdlgevkvkgu"qh"vjkufqewogp"vku"vq"vjg"uejqqn"fkvtkev"jcu"rtqxfgf"vq"vjg"ctejkvevlGpikpggt"vjg"tgswtgfkphqto"cvkqp"cpf"vjg"ctejkvevlGpikpggt"jcu"tgxkgygf"vjg"Uejqqn"Hceknkvkgu"Uvcpfctfu"cu"tgswtgfkphqto"vjg"Uvcvg"qh"Vgzcu."cpf"wugf"jkuljgt"tgcupcdng"rtqhgaukqpcn"lwfio"gpv"cpf"ectg"kp"vjg"ctejkvevlGpikpggt/kpi"fgukip"cpf"vjcv"vjg"eqpvtcevqt"jcu"eqpuvtwevf"vjg"rtqlgev"kp"swcnkv{"o"cppgt"kp"igpgtcn"eqphqto"cpeg"ykvj"vjg"fgukip"tgswtgogp"vku"vq"vjg"uejqqn"fkvtkev"egtklgu"vq"rtqlgev"eq"oringvkp0

**DISTRICT:**

**BY:**

**DATE:**

**60" Vjg"CtejkvgevlGpikpggt** egtvk l gu"vjg"cdqxf"phqto"cvkqp"y cu"tgegkxgf"htqo"vjg"uejqqn"fkvtkev."cpf"vjcv"vjg"dwknfkpi"u+ygtg"fgukipgf"kp"ceeqtf"cpeg"ykvj"vjg"crnkcedng"dwknfkpi"eqfgu0"Hwtvjt."vjg"hecn/kv{"jcu"dggp"fgukipgf"vq"oggy"qt"gzeggf"vjg"fgukip"etkvtkc"tgncvki"vq"urceg"\*okpkowo"uswtg"haqq/cig+."gfwecvkqpcn"cfsgwce{"cpf"eqpuvtwevkqp"swcnkv{"cu"eqpvckpgf"kp"vjg"Uejqqn"Hceknkvkgu"Uvcpfctfu"cu"adopted by the State Board of Education, July 1992, and as provided by the district.

**CTEJKVGEVIGPIKPGGT<" " " D [<" " " " FCVG<**

**5. The Contractor** egtvk l gu"vjcv"vjg"rtqlgev"jcu"dggp"eqpuvtwevf"kp"igpgtcn"eqphqto"cpeg"ykvj"vjg"eqp/uvtwevkqp"fqewogp"vku"cu"rtgrctgf"d{"vjg"ctejkvevlGpikpggt"nkuvf"cdqxf0

**CONTRACTOR:**

**BY:**

**DATE:**

**6. The District** egtvk l gu"eq"oringvkp"qh"vjg"rtqlgev"\*cu"fg l pgf"d{"vjg"ctejkvevlGpikpggt"cpf"eqpvtcevqt+0

**DISTRICT:**

**BY:**

**DATE:**

TAC §61.1033(c)(3)(A-E)

### 3; "VCE" E j crvgt "334" ÈÈ\* C ôE+ Vgzcu "Guugpvkcn" Mpqy ngf i g" cpf "Umkmnu" hqt "Uekgpeg

V j g "h q n n y k p i " u v c v g o g p v u " t g r t g u g p v " v j g " m p q y n g f i g " c p f " u m k m n u " c p f " u v w f g p v " g z r g e v c v k q p u " h q w p f " k p " v j g " " V g z c u " G u u g p v k c n " M p q y n g f i g " c p f " U m k m n u " h q t " U e k g p e g " V j g u g " c t g " v j g " u v c v g " u v c p f c t f u " q h " y j c v " u v w f g p v u " c t g " g z r g e v g f " v q " m p q y " c p f " d g " c d n g " v q " f q " h t q o " M k p f g t i c t v g p " v j t q w i j " I t c f g " ; " c p f " k p " v j g " j k i j " u e j q q n " e q w t u g u " q h " K p v g i t c v g f " R j { u k e u " c p f " E j g o k u v t { . " D k n q i { . " E j g o k u v t { . " c p f " R j { u k e u }

#### Mkpfgtictvgp

Students are expected to:

É" rctvkekrvcg"kp"encuutqq o"cpf"fgnf"kpXgUvki cvkqpu" hqnnqy kpi"jq o g"cpf"uejqqn"uchgv{"rtqegfwtgu" fg o qpvtcvkpi"uchg"rtcevkegu="cpf"ngctpkpi"jq y" to conserve resources and other materials.

É" fgXgnqr"cdkxkvku"vq"fq"uekgpvkfe"kpswkt{"kp"vjg"fgnf"cpf"vjg"encuutqq o"d{"cumkpi" swgUvkvpu"cdqww"qti cpku o u"cpf"qdlgevu."cpf" gxgpvu="rncppkpi"cpf"eqpfwevki"fguetkrvXg" kpxgUvki cvkqpu="icvjgtkpi"kpht o cvkqp"wukpi" gswkr o gpv"cpf"vqnu"vq"gzvzpf"vjg"ugpugu=" eqpvtwevki"tgcupcdng"gzrncpcvkqpu"wukpi" kphqt o cvkqp="cpf"eq o o wpekvkpi"vjgk"fpfkpiu" cdqww"kpXgUvki cvkqpu

É"mpqy"vjcv"kpht o cvkqp"cpf"etkvecn"vj kmpki"ctg" wugf"kp"o cmkpi"fggekukpu"d{"o cmkpi"kpht o gf" fgekukpu="fkuewukpi"cpf"lwvkh{"kpi"vjg"o gtkvu" qh"fggekukpu="cpf"gzrncpkpi"c"rtqdg o"kp"vjgk" qyp"y qtfu"cpf"rtqrkupi"cu"uqnvkqp

É" wug"ci g/cr rrtqrkcvg"vqnu"cpf"o qfgnu"vq" xgkth{"vjcv"qti cpku o u"cpf"qdlgevu"cpf"rctvu" qh"qti cpku o u"cpf"qdlgevu"ecp"dg"qdugtXgf." fguetkdgf."cpf"o gcuwtgf"d{"kfgpvkh{"kpi"cpf" wukpi"vjgk"ugpugu"cu"vqnu"qh"qdugtXcvkqp="cpf" o cmkpi"qdugtXcvkqpu"wukpi"vqnu"kpenwfkpi"jcpf" lenses, balances, cups, bowls, and computers.

É"mpqy"vjcv"qti cpku o u."qdlgevu."cpf"gxgpvu"jcxg" rtrgtvkgu"cpf"rcwgtpu"d{"fguetkdkpi"rttrgtvkgu" qh"qdlgevu"cpf"ejctcevgtkvku"qh"qti cpku o u=" qdugtXkpi"cpf"kfgpvkh{"kpi"rcwgtpu"kpenwfkpi" ugcuppu."itqyvj."cpf"fc{"cpf"pki jv"cpf"rtgfkev" yjcv"jcr rgpu"pgzv="cpf"tgeqipk|kpi"cpf" eqr{kpi"rcwgtpu"uggp"kp"ejctvu"cpf"itcrju

É"mpqy"vjcv"u{uvgo u"jcxg"rctvu"cpf"ctg"eq o rqugf" qh"qti cpku o u"cpf"qdlgevu"d{"uqtkpi"qti cpku o u" cpf"qdlgevu"kpqv"itqwruc"ceeqtkpi"vq"vjgk" rctvu"cpf"fguetkdkpi"jqy"vjg"itqwruc"ctg" hqt o gf="tgeqtkpi"qdugtXcvkqpu"cdqww"rctvu" qh"rncpvu."kpenwfkpi"ngcxgu."tqquv."uvgo u."cpf" Geygtu="tgeqtkpi"qdugtXcvkqpu"cdqww"rctvu"qh" cpk o cnu."kpenwfkpi"y kpi u."hggv."jcfu."cpf"vcknu=" kfgpvkh{"kpi"rctvu"vjcv."y jgp"ugrctcvgf"htq o"vjg" whole, may result in the part or the whole not y qtmkpi="cpf"o cprwncvki"rctvu"qh"qdlgevu"vjcv" y jgp"rww"vqigvgt."ecp"fq"vj kpi u"vjg{"ecppq"fq" by themselves.

É"mpqy"vjcv"o cp{"v{"rgu"qh"ejcpi g"qewt"d{" qdugtXkpi."fguetkdkpi."cpf"tgeqtkpi"ejcpi gu" kp"uk|g."o cuu."eqnq."rqukvkqp."swcpvkv{"vk o g." vgo rgtcvwtg."uqwpf."cpf"o qxg o gpv="kfgpvkh{"kpi" vjcv"jgcw"ecwugu"ejcpi g"cpf"eq o rctkpi"qdlgevu" ceeqtkpi"vq"vgo rgtcvwtg="qdugtXkpi"cpf" tgeqtkpi"y gcvjgt"ejcpi gu"htq o"fc{"vq"fc{" cpf"qxgt"ugcuqpu="cpf"qdugtXkpi"cpf"tgeqtkpi" uvcigu"kp"vjg"nkhg"e{eng"qh"qti cpku o u"kp"vjgk" natural environment.

É"mpqy"vjg"fkhtgtpg"dgvy ggp"nkxkpi"qti cpku o u" cpf"pqpnkxkpi"qdlgevu"d{"kfgpvkh{"kpi"c"rctkewnct" qti cpku o "qt"qdlgev"cu"nkxkpi"qt"pqpnkxkpi="cpf" itqwrkpi"qti cpku o u"cpf"qdlgevu"cu"nkxkpi"cpf" pqpnkxkpi

É"mpqy"vjcv"nkxkpi"qti cpku o u"jcxg"dcuke"pggfu" d{"kfgpvkh{"kpi"dcuke"pggfu"qh"nkxkpi"qti cpku o u=" ikxkpi"gzc o rngu"qh"jqy"nkxkpi"qti cpku o u" fgrgp"qp"gcej"qvjgt="cpf"kfgpvkh{"kpi"y c{"u"vjcv" the Earth can provide resources for life.

É"mpqy"vjcv"vjg"pcvwtcn"y qtnf"kpenwfgu"tqemu." uqkn."cpf"ycvgt"d{"qdugtXkpi"cpf"fguetkdkpi" rtrgtvkgu"qh"tqemu."uqkn."cpf"ycvgt="cpf"ikxkpi" gzc o rngu"qh"y c{"u"vjcv"tqemu."uqkn."cpf"ycvgt"ctg" useful.

## I t c f g" Q p g

Students are expected to:

É"eqpfwev"encuutqq o "cpf" fgnf"kp x guvk i cvkqpu"  
hqmnykpi "jq o g"cpf"uejqqn"uchgv" r t q e g f w t g u" d {  
f g o q p u v t c v k p i " u c h g" r t c e v k e g u" f w t k p i " e n c u u t q q o "  
c p f " f g n f " k p x g u v k i c v k q p u = " c p f " n g c t p k p i " j q y " v q " w u g "  
and conserve resources and materials.

É"fgxgnqr"cdknkvkgu"pgeguuct{"vq"fq"uekgpvk f e"  
kpswkt{"kp"vjg"fgnf"cpf"encuutqq o "d{"cumkpi"  
swguvkqpu"cdqww"qti cpku o u."qdlgevu."cpf"  
gxgpvu="rncppkpi"cpf"eqpfwevki"fguetkrvkg"  
kpxguk i cvkqpu="c"vjgktpi"kpht o cvkqp"wukpi"  
gswkr o gpv"cpf"vqnu"vq"gzvppf"vjg"ugpugu="  
eqpuvtwevki"tgcupcdng"gzrncpcvkqpu"cpf"  
f t c y k p i " e q p e n w u k q p u = " c p f " e q o o w p k e c v k p i "  
g z r n c p e v k q p u " c d q w w " k p x g u v k i c v k q p u }

É"mpqy"vjcv"kpht o cvkqp"cpf"etkykecn"vj k p m k p i " c t g "  
w u g f " k p " o c m k p i " f g e k u k q p u " d { " w u k p i " k p h q t o c v k q p "  
v q " o c m g " f g e k u k q p u = " f k u e w u u k p i " c p f " l w u v k h { k p i "  
v j g " o g t k u " q h " f g e k u k q p u = " g z r n c k p k p i " c " r t q d n g o "  
k p " v j g k t " q y p " y q t f u = " c p f " k f g p v k h { k p i " c " v c u m " c p f "  
solution related to the problem.

É"wug"ci g/c r r t q r t k c v g " v q n u " c p f " o q f g n u " v q "  
x g t k h { " v j c v " q t i c p k u o u " c p f " q d l g e v u " c p f " r c t v u "  
q h " q t i c p k u o u " c p f " q d l g e v u " e c p " d g " q d u g t x g f . "  
f g u e t k d g f . " c p f " o g c u w t g f " d { " e q n n g e v k p i "  
k p h q t o c v k q p " w u k p i " v q n u " k p e n w f k p i " j c p f " n g p u g u . "  
e n q e m u . " e q o r w v g t u . " v j g t o q o g v g t u . " c p f " d n c p e g u = "  
t g e q t f k p i " c p f " e q o r c t k p i " e q n n g e v g f " k p h q t o c v k q p = "  
c p f " o g c u w t k p i " q t i c p k u o u " c p f " q d l g e v u " c p f " r c t v u "  
q h " q t i c p k u o u " c p f " q d l g e v u . " w u k p i " p q p / u v c p f c t f "  
units.

É"mpqy"vjcv"qti cpku o u."qdlgevu."cpf"gxgpvu"jcxg"  
r t q r g t v k g u " c p f " r c v g t p u " d { " u q t v k p i " q d l g e v u " c p f "  
g x g p v u " d c u g f " q p " r t q r g t v k g u " c p f " r c v g t p u = " c p f "  
k f g p v k h { k p i . " r t g f k e v k p i . " c p f " e t g c v k p i " r c v g t p u "  
k p e n w f k p i " v j q u g " u g g p " k p " e j c t v u . " i t c r j u . " c p f "  
numbers.

É"mpqy"vjcv"u{uvg o u"jcxg"rctvu"cpf"ctg"eq o rqugf"  
qh"qti cpku o u"cpf"qdlgevu"d{"uqtkpi"qti cpku o u"  
cpf"qdlgevu"ceeqt f k p i " v q " v j g k t " r c t v u " c p f "  
e j c t c e v g t k u v k e u = " q d u g t x k p i " c p f " f g u e t k d k p i " v j g "  
r c t v u " q h " r n c p v u " c p f " c p k o c n u = " o p k r w n c v k p i "  
objects so that the parts are separated from the  
whole which may result in the part or the whole  
pqv"y qtmkpi="cpf"kf g p v k h { k p i " r c t v u . " v j c v " y j g p "  
r w v " v q i g v j g t . " e c p " f q " v j k p i u " v j g { " e c p p q v " f q " d { "  
themselves.

É"mpqy"vjcv"o cp{"v{"rgu"qh"ejcpi g"qeewt"d{"  
qdugt x k p i . " o g c u w t k p i . " c p f " t g e q t f k p i " e j c p i g u "  
k p " u k | g . " o c u u . " e q n q t . " r q u k v k q p . " s w e p v k v { . " u q w p f . "  
c p f " o q x g o g p v = " k f g p v k h { k p i " c p f " v g u v k p i " y c { u "  
v j c v " j g e v " o c { " e c w u g " e j c p i g = " q d u g t x k p i " c p f "  
t g e q t f k p i " e j c p i g u " k p " y g c v j g t " h t q o " f c { " v q " f c { "  
c p f " q x g t " u g c u q p u = " c p f " q d u g t x k p i " c p f " t g e q t f k p i "  
e j c p i g u " k p " v j g " n k h g " e { " e n g " q h " q t i c p k u o u }

É"fkuvkpi wkuj"dgvyggp"nkxkpi"qti cpku o u"cpf"  
pqp nk x k p i " q d l g e v u " d { " i t q w r k p i " n k x k p i " q t i c p k u o u "  
c p f " p q p n k x k p i " q d l g e v u = " c p f " e q o r c t k p i " n k x k p i "  
q t i c p k u o u " c p f " p q p n k x k p i " q d l g e v u }

É"mpqy"vjcv"nkxkpi"qti cpku o u"jcxg"dcuke"pggf u" d {"  
k f g p v k h { k p i " e j c t c e v g t k u v k e u " q h " n k x k p i " q t i c p k u o u "  
v j c v " c m q y " v j g k t " d c u k e " p g g f u " v q " d g " o g v = " c p f "  
e q o r c t k p i " c p f " i k x k p i " g z c o r n g u " q h " v j g " y c { u "  
n k x k p i " q t i c p k u o u " f g r g p f " q p " g c e j " q v j g t " h q t " v j g k t "  
basic needs.

É"mpqy"vjcv"vjg"pcwvtn"y qtnf"kpenw f g u"tqemu."uqkn."  
c p f " y c v g t " d { " k f g p v k h { k p i " c p f " f g u e t k d k p i " p c w v t n "  
t g u q w t e g u " q h " y c v g t . " k p e n w f k p i " u v t g c o u . " n c m g u . " c p f "  
q e g c p u = " q d u g t x k p i " c p f " f g u e t k d k p i " f k h g t g p e g u "  
k p " t q e m u " c p f " u q k n " u c o r n g u = " c p f " k f g p v k h { k p i " j q y "  
t q e m u . " u q k n . " c p f " y c v g t " c t g " w u g f " c p f " j q y " v j g { " e c p "  
be recycled.

## Grade Two

Students are expected to:

É"eqpfwev"encuutqq o "cpf" fgnf"kp x guvk i cvkqpu"  
hqmnykpi "jq o g"cpf"uejqqn"uchgv" r t q e g f w t g u"  
d {" f g o q p u v t c v k p i " u c h g" r t c e v k e g u" f w t k p i "  
encuutqq o "cpf" fgnf"kp x guvk i cvkqpu="cpf"ngctpkpi"  
how to use and conserve resources and dispose  
of materials.

É"fgxgnqr"cdknkvkgu"pgeguuct{"vq"fq"uekgpvk f e"  
kpswkt{"kp"vjg"fgnf"cpf"encuutqq o "d{"cumkpi"  
swguvkqpu"cdqww"qti cpku o u."qdlgevu."cpf"  
gxgpvu="rncppkpi"cpf"eqpfwevki"fguetkrvkg"  
kpxguk i cvkqpu="eq o rctkpi"tguwnvu"qh"  
kpxguk i cvkqpu"ykvj"y jcv"uwvfgpvu"cpf"uekgpvk u"  
mpqy"cdqww"vjg"y qtnf="c"vjgktpi"kpht o cvkqp"  
wukpi"gs w k r o g p v " c p f " v q n u " v q " g z v p p f " v j g "  
ugpugu="eqpuvtwevki"tgcupcdng"gzrncpcvkqpu"  
cpf"ftcykpi"eqpenwukqpu" w u k p i " k p h q t o c v k q p "  
c p f " r t k q t " m p q y n g f i g = " c p f " e q o o w p k e c v k p i "  
g z r n c p e v k q p u " c d q w w " k p x g u v k i c v k q p u }

É"mpqy"vjcv"kpht o cvkqp"cpf"etkvecn"vj kpmkpi"ctg" wugf"kp" o cmkpi" fgekukqpu"d{"wukpi"kpht o cvkqp" vq" o cmg" fgekukqpu="fkuewukpi"cpf"lwukh{kpi"vjg" o gtkvu"qh" fgekukqpu="cpf"gzrnckpki" c" rtdng o" kp"vjgk"qyp" y qtfu"cpf"kf gpvkh{kpi" c"vcum"cpf" solution related to the problem.

É"wug"ci g/crrtrrtkcyg"vqqnu"cpf" o qfgnu"vq" xgthk{" vjcv"qt i cpku o u"cpf"qdlgevu"ecp"dg"qdugtxgf." fguetkdgf."cpf" o gcuwtgf"d{"eqnngevkpi" kphqt o cvkqp"wukpi"vqqnu"kpewfkpi"twngtu." o gvgt" uvkemu." o gcuwtkpi"ewru."enqemu." jcpf"ngpugu." eq o rrwgtu."vjgt o q o gvgtu."cpf"dcncpegu="cpf" o gcuwtkpi"cpf"eq o rctkpi"qt i cpku o u"cpf"qdlgevu" cpf"rctvu"qh"qt i cpku o u"cpf"qdlgevu."wukpi" uvcpcfctf"cpf"pqp/uvpcfctf"wpkvu)

É"mpqy"vjcv"qt i cpku o u."qdlgevu."cpf"gxgpvu"jcxg" rtrrgtvkgu"cpf"rcwgtpu"d{"encuukh{kpi"cpf" ugswwgpeki"qt i cpku o u."qdlgevu."cpf"gxgpvu"dcugf" qp"rtrrgtvkgu"cpf"rcwgtpu="cpf"kf gpvkh{kpi." r tgfkevkpi."tgrnkecvkpi."cpf"etgcvkpi"rcwgtpu" kpewfkpi"vjjug"uggp"kp"ejctvu."itcrju."cpf" numbers.

É"mpqy"vjcv"u{uvg o u"jcxg"rctvu"cpf"ctg"eq o rqugf" qh"qt i cpku o u"cpf"qdlgevu"d{" o cprwncvkpi." r tgfkevkpi."cpf"kf gpvkh{kpi"rctvu"vjcv." y jgp" separated from the whole, may result in the rctv"qt"vjg" y jqng"pqv" y qtmkpi=" o cprwncvkpi." r tgfkevkpi."cpf"kf gpvkh{kpi"rctvu"vjcv." y jgp" rww"vq i gvjgt."ecp"fq"vjkipi"u"vjg{"ecppq"fq" d{"vjg o ugnxgu="qdugtxkpi"cpf"tgeqfkipi"vjg" hwpevkqpu"qh"rncpv"rctvu="cpf"qdugtxkpi"cpf" tgeqfkipi"hwpevkqpu"qh"cpk o cn"rctvu)

É"mpqy"vjcv" o cp{"v{rgu"qh"ejcpi g"qeewt"d{" qdugtxkpi." o gcuwtkpi."tgeqfkipi."cpcn{|kpi." r tgfkevkpi."cpf"knwuvctvkpi"ejcpi gu"kp"uk|g." o cuu."vg o rgtcvwtg."eqnqt."rqukvkqp."swcpvkv{" uqwpf."cpf" o qxg o gpv="kf gpvkh{kpi." r tgfkevkpi." cpf"vguvkpi" wugu"qh"jcv"vq"ecwug"ejcpi g=" fg o qpvtcvkpi" c"ejcpi g"kp"vjg" o qvkqp"qh"cp" qdlgevu"d{" ikkpi"vjg"qdlgevu" c"rwuj"qt" c"rwnn="cpf" qdugtxkpi." o gcuwtkpi."cpf"tgeqfkipi"ejcpi gu"kp" y gcvjgt."vjg"pki jv"um{"."cpf"ugcuqpu)

É"fkuvkpi wku j"dg v y ggp"nkxkpi"qt i cpku o u"cpf" pqpnkxkpi"qdlgevu"d{"kf gpvkh{kpi"ejctcevgtkvkeu" qh"nkxkpi"qt i cpku o u="cpf"kf gpvkh{kpi" ejctcevgtkvkeu"qh"pqpnkxkpi"qdlgevu)

É"mpqy"vjcv"nkxkpi"qt i cpku o u"jcxg"dcuke"pggfu" d{"kf gpvkh{kpi"vjg"gzvgtpcn"ejctcevgtkvkeu"qh" fkhggtgpv"mkpfu"qh"rncpvu"cpf"cpk o cnu"vjcv"cnmqy" vjgk"pggfu"vq"dg" o gv="cpf"eq o rctkpi"cpf" ikkpi" gzc o rngu"qh"vjg" y c{"u"nkxkpi"qt i cpku o u"fg r gpf" on each other and on their environments.

É"mpqy"vjcv"vjg"pcvwtcn" y qtnf"kpewfgu"tqemu." uqkn." y cvgt."cpf" i cugu"qh"vjg"cv o qur jgtg"d{" fguetkdkpi"cpf"knwuvctvkpi"vjg" y cvgt"e{eng="cpf" kf gpvkh{kpi" wugu"qh"pcvwtcn"tguqwtgeu)

### Grade Three

Students are expected to:

É"eqpfwev" tgnf"cpf"ncdqtcvt{"kpxguk i cvkqpu" hqnmq y kpi"jq o g"cpf"uejqn"uchgv{" r tgeqfwtgu" and environmentally appropriate and ethical r tceveku" d{" fg o qpvtcvkpi"uchg" r tceveku"fwtkpi" ncdqtcvt{"cpf" tgnf" kpxguk i cvkqpu="cpf" o cmkpi" wise choices in the use and conservation of tguqwtgeu"cpf"vjg"fkurqucn"qt"tge{enkpi"qh" materials.

É"wug"uekpvk t e"kpswkt{" o gvjqfu"fwtkpi" tgnf" cpf"ncdqtcvt{"kpxguk i cvkqpu"d{" rncppkpi" cpf" k o r ng o gpvkpi" fguetkrkxg" kpxguk i cvkqpu" kpewfkpi"cumkpi" y gnn/fg tpgf"swgukqpu." hqt o wncvkpi"vgucdng" j { r qvjgugu."cpf"ugngevkpi" cpf" wukpi" gswkr o gpv"cpf"vgejpqqi {"="eqnngevkpi" kphqt o cvkqp"d{" qdugtxkpi"cpf" o gcuwtkpi=" cpcn{|kpi"cpf"kpvt r tgvkpi"kpht o cvkqp"vq" construct reasonable explanations from direct cpf"kp fktgev"gxkfgpeg="eq o o wpkecvkpi"xcnkf" eqpenwukqpu="cpf"eqpuvtwevkpi"itcrju."vcdngu." o cru."cpf"ejctvu"vq"qt i cpk|g."gzc o kpg."cpf" evaluate information.

É"mpqy"vjcv"kpht o cvkqp."etkvecn"vj kpmkpi."cpf" uekpvk t e" r t q d n g o "uqnxkpi"ctg" w u g f "k p" o c m k p i " f g e k u k q p u " d { " c p c n { | k p i . " t g x k g y k p i . " c p f " e t k v k s w k p i " u e k g p v k t e " g z r n c p c v k q p u . " k p e w f k p i " j { r q v j g u g u " c p f " v j g q t k g u . " c u " v q " v j g k t " u v t g p i v j " c p f " y g c m p g u u g u " w u k p i " u e k g p v k t e " g x k f g p e g " c p f " k p h q t o c v k q p = " f t c y k p i " k p h g t g p e g u " d c u g f " q p " information related to promotional materials hqt r t q f w e v u " c p f " u g t x k e g u = " t g r t g u g p v k p i " v j g " p c v w t c n " y q t n f " w u k p i " o q f g n u " c p f " k f g p v k h { k p i " v j g k t " n k o k v c v k q p u = " g x c n w c v k p i " v j g " k o r c e v " q h " t g u g c t e j " q p " u e k g p v k t e " v j q w i j v . " u e k g v { . " c p f " v j g " g p x k t q p o g p v = " c p f " e q p p g e v k p i " u e k g p e g " e q p e g r v u " with the history of science and contributions of scientists.

É"mpqy"jqy"vq"wug"cxctkqv{"qh"vqqnu"cpf"ogvjqfu"vq"eqpfwev"uekgpeg"kpswkt{"d{"eqmgevki"cpf"cpn{"kpi"kpht"ocvkqp"wukpi"vqqnu"kpenwfkpi"calculators, microscopes, cameras, safety iqii ngu."uqwpf"tgeqf"fgtu."enqemu."eq"rwwgtu."vjgt"o"q"ogvgtu."jcpf"ngpugu."ogvgt"uvkemu."twngtu."dncpegu."ocipgvu."cpf"eq"rcuugu="cpf"fg"o"qpuvtcvkpi"vjcv"tgrgcvgf"kpvguvki"cvkqpu"oc{"increase the reliability of results.

É"mpqy"vjcv"u{uvgo"u"gzkuv"kp"vjg"yqtnf"d{"qdugt"xpki"cpf"kf"gpvkh{"kpi"uk"o"rng"u{uvgo"u="cpf"qdugt"xpki"cu"o"rng"u{uvgo"u"cpf"fguetkdkpi"vjg"role of various parts.

É"mpqy"vjcv"hqtegu"ecwug"ejcpi"gd{"ogcuwtkpi"cpf"tgeqf"fkpi"ejcpi"gu"kp"vjg"rquvkvqp"cpf"fkgtgevkvqp"of the motion of an object to which a force has dggp"cr"rnkgf="cpf"kf"gpvkh{"kpi"vjcv"vjg"uwthceg"qh"vjg"Gctvj"ecp"dg"ejcpi"gf"d{"hqtegu

É"mpqy"vjcv"ocvgt"jcu"rj"j"ukecn"rtqrgtvkgu"d{"icvjgtkpi"kpht"ocvkqp"kpenwfkpi"vg"o"rgtcvwtg."ocipgvku."jctfpguu."cpf"ocuu"wukpi"appropriate tools to identify physical properties qh"ocvgt="cpf"kf"gpvkh{"kpi"ocvgt"cu"nkswkfu."uqnkfu."cpf"icugu

É"mpqy"vjcv"nkxkpi"qti"cpku"ou"pggf"hqf."ycvgt."nki"jv."ckt."c"y"c{"vq"fkurqug"qh"y"cuvg."cpf"cp"gpvkvqp"ogpv"kp"y"jke"j"vq"nkxg"d{"qdugt"xpki"cpf"fguetkdkpi"vjg"j"cdkvcvu"qh"qti"cpku"ou"y"kvj"kp"cp"gequ"uvgo="qdugt"xpki"cpf"kf"gpvkh{"kpi"qti"cpku"ou"with similar needs that compete with one cpqvjgt"hqf"tguqwtegu="fguetkdkpi"gpvkvqp"ogpv"ejcpi"gu"kp"y"jke"j"uq"og"qti"cpku"ou"y"qwnf"vj"tkxg."dgeq"og"kmn."qt"r"gtku"j="cpf"fguetkdkpi"jqy"nkxkpi"qti"cpku"ou"o"qfkh{"vjgkt"rj"j"ukecn"gpvkvqp"ogpv"vq"meet their needs.

É"mpqy"vjcv"urgekgu"jcxg"fkhhgtgpv"cfrcvkvqpu"that help them survive and reproduce in their gpvkvqp"ogpv"d{"qdugt"xpki"cpf"kf"gpvkh{"kpi"ejctcevgtkuvkeu"cqpi"urgekgu"vjcv"cmny"gcej"vq"uwtxkxg"cpf"tgrtqfweg="cpf"cpn{"kpi"jqy"adaptive characteristics help individuals within a species to survive and reproduce.

É"mpqy"vjcv"nkmgpguu"dgvy"ggp"qhhu"rtkpi"cpf"parents are inherited from the parents by kf"gpvkh{"kpi"uq"og"kpjgtkvgf"vtckvu"qh"rncpvu="cpf"kf"gpvkh{"kpi"uq"og"kpjgtkvgf"vtckvu"qh"cpk"ocnu

É"mpqy"vjcv"vjg"pcvwtcn"yqtnf"kpenwfgu"gctvj"ocvgtkcnu"cpf"qdlgevu"kp"vjg"um{"d{"kf"gpvkh{"kpi"cpf"fguetkdkpi"vjg"k"o"rtqvcpeg"qh"gctvj"ocvgtkcnu"kpenwfkpi"tqemu."uqkn."ycvgt."cpf"icugu"qh"vjg"cv"o"qur"jgtg"kp"vjg"nqecn"ctgc"cpf"encuukh{"kpi"vjg"o"cu"tggp"y"cdng."pqptgpg"y"cdng."qt"kpz"j"cwvkdng"tguqwtegu="kf"gpvkh{"kpi"cpf"tgeqf"fkpi"rtqrgtvkgu"qh"uqknu="kf"gpvkh{"kpi"vjg"planets in our solar system and their position kp"tgnvcvkqp"vq"vjg"Uwp="cpf"fguetkdkpi"vjg"characteristics of the Sun.

Grade Four

The student is expected to:

É"eqpfwev"fgnf"cpf"ncdqtcvqt{"kpxguvki"cvkqpu"hqnmq"y"kp"i"jq"og"cpf"ue"jqn"uchgv{"rtqeg"fwtgu"and environmentally appropriate and ethical rtcevkegu"d{"fg"o"qpuvtcvkpi"uchg"rtcevkegu"fwtkpi"fgnf"cpf"ncdqtcvqt{"kpxguvki"cvkqpu="cpf"ocmkpi"wise choices in the use and conservation of tguqwtegu"cpf"vjg"fkurqucn"qt"tge{enkpi"qh"materials.

É"wug"uekgpvk"te"kpswkt{"ogvjqfu"fwtkpi"fgnf"cpf"ncdqtcvqt{"kpxguvki"cvkqpu"d{"rncppkpi"cpf"k"o"rng"ogpvkpi"fguetkrvkvxg"kpvguvki"cvkqpu"kpenwfkpi"cumkpi"ygnm/fg"lpgf"swguvkvqpu."hqf"o"wnvkvpi"vguvcndng"j"r"qv"j"guugu."cpf"ugngevkvpi"cpf"wukpi"gswr"ogpv"cpf"vqqnu="eqmgevki"kpht"ocvkqp"d{"qdugt"xpki"cpf"ogcuwtkpi="cpn{"kpi"cpf"kpvgtr"tgvkpi"kpht"ocvkqp"vq"construct reasonable explanations from direct cpf"kp"fkgtgev"gxkfgpeg="eq"o"wpkecvkpi"xcnkf"eqpenwukqpu="cpf"eqpuvtwevkvpi"itcr"ju."vcdngu."ocru."cpf"ejctvu"vq"tgeq"ipk"lg."gzc"okpg."cpf"evaluate information.

É"wug"etkvecn"vj"kpmpki"cpf"uekgpvk"te"rtqdn"o"uqnxkpi"vq"ocmg"kpht"ogf"fgkekukqpu"d{"cpn{"kpi".tgxkgykpi."cpf"etkvs"wkpi"uekgpvk"te"gzrncpcvkqpu."kpenwfkpi"j"r"qv"j"guugu"cpf"vjg"qtkgu."cu"vq"vjgkt"uvtgp"ij"ju"cpf"y"gcmpguugu"wkpi"uekgpvk"te"gxkfgpeg"cpf"kpht"ocvkqp="ftcykpi"inferences based on information related to rtq"o"qvkqpcn"ocvgtkcnu"hqf"rtq"fwewu"cpf"ugt"xekegu="wukpi"o"qfgnu"cpf"kf"gpvkh{"kpi"vjgkt"nk"okvcvkqpu"vq"tgrtguvkvpi"vjg"pcvwtcn"yqtnf="gxcnvcvkpi"vjg"k"o"rcev"qh"tgugete"j"qp"uekgpvk"te"vjqwi"jv."uqekgv{"cpf"vjg"gpvkvqp"ogpv="cpf"eqppgevkvpi"science concepts with the history of science and contributions of scientists.

É"mpqy"j qy"vq"uug"vqqu"cpf" o gv j q fu"vq"eqpfwev"  
uekgpeg"kpswkt{"d{"eqmgevki"cpf"cpn{"kpi"  
kphqt o cvkqp"wukpi"vqqu"kpenwfkpi"ecnewncvqtu."  
uchgv{"i qi i ngu." o ketqueqrgu."ec o gtcu."uqwpf"  
recorders, computers, hand lenses, rulers,  
vjgt o q o gvgtu." o gvgt"uvkemu."vk o kpi"fgxkegu."  
dcncpegu."cpf"eq o rcuugu="cpf"fg o qpvtcvkpi"  
vjcv"tgrgcvgf"kpvguik cvkqpu" o c {"kpetgcug"vjg"  
reliability of results.

É"mpqy"vjcv"eq o rngz"u{uvg o u" o c {"pqv"y qtm"kh"  
uq o g"rctvu"ctg"tg o qxgf"d {"kfgpvkh{"kpi"cpf"  
fguetkdkpi"vjg"tqngu"qh"uq o g"qt i cpku o u"kp"nkxkpi"  
u{uvg o u"cpf"rctvu"kp"pqpnkxkpi"u{uvg o u="cpf"  
rtgfkevkpi"cpf"ftcykpi"eqpenwukqpu"cdqww"y jcv"  
happens when part of a system is removed.

É"mpqy"vjcv"ejcpig"ecp"etgcvg"tgeq i pk | cdng"  
rcvgtpu"d {"kfgpvkh{"kpi"rcvgtpu"qh"ejcpig=" "  
knnwuvtcvkpi"vjcv"egtvcvkpi"ejctcevgtkuveu"qh"cp"  
object can remain constant even when the object  
ku"tqvcvgf."vtcpuncvgf."qt"tgEgevgf="cpf"wukpi"  
tgEgevkqpu"vq"xgthk{"vjcv" c"pcvwtcn"qdlgev"jcu"  
symmetry.

É"mpqy"vjcv" o cvwgt"jcu"r j {ukecn"rtqrgtvkgu"d {"  
qdugt xkpi"cpf"tgeqtfkpi"ejcpigu"kp"vjg"uvcvgu"  
of matter caused by the addition or reduction of  
jgcv="cpf"eqpfwevkpi"vguvu."eq o rctkpi"fcvc."cpf"  
ftcykpi"eqpenwukqpu"cdqww"r j {ukecn"rtqrgtvkgu"  
qh" o cvwgt"kpenwfkpi"uvcvgu"qh" o cvwgt."eqpfwevkqpu."  
density, and buoyancy.

É"mpqy"vjcv"cfrcvkvkqpu" o c {"kpetgcug"vjg"  
uwtxkxcn"qh" o g o dgtu"qh" c"urgekgu"d {"kfgpvkh{"kpi"  
characteristics that allow members within a  
urgekgu"vq"uwtxkxg"cpf"tgrtqfweg="eq o rctkpi"  
cfrcvkvkxg"ejctcevgtkuveu"qh"xctkqwu"urgekgu="cpf"  
kfgpvkh{"kpi"vjg"mkpfu"qh"urgekgu"vjcv"nkxgf"kp"vjg"  
rcuv"cpf"eq o rctg"vjg o "vq"gzkuvkpi"urgekgu

É"mpqy"vjcv" o c {"nkmgpguugu"dgvyggp"qhhu rtkpi"  
and parents are inherited or learned by  
fkuvkpi wku j kpi"dgvyggp"kp j gtkvgf"vtckvu"cpf"  
ngctpgf"ejctcevgtkuveu="cpf" kfgpvkh{"kpi"cpf"  
rtqxfkpi"uc o rngu"qh"kp j gtkvgf"vtckvu"cpf"ngctpgf"  
characteristics.

É"mpqy"vjcv"egtvcvkpi"rcuv"gxgpvu"chhgev"rtgugpv"  
cpf"hwvwtg"gxgpvu"d {"kfgpvkh{"kpi"cpf"qdugt xkpi"  
ghhgevu"qh"gxgpvu"vjcv"tgswtg"vk o g"ht"ejcpigu"  
vq"dg"pqvkegcdng"kpenwfkpi" i tqyvj."gtqkqpu."  
fkuuqnxkpi."y gcvjgtkpi."cpf"Eqy="cpf"ftcykpi"  
eqpenwukqpu"cdqww"y jcv"jcr rpggf"dghtg"wukpi"  
fossils or charts and tables.

É"mpqy"vjcv"vjg"pcvwtcn"y qtnf"kpenwfgu"gctvj"  
o cvgtkcnu"cpf"qdlgevu"kp"vjg"um{"d {"vquvki"  
rtqrgtvkgu"qh"uqqu"kpenwfkpi"vgzvwgt."ecrcckv{"  
vq"tgvcvkpi"y cvgt."cpf"cdknkv{"vq"uwr rqtv"nkhg=" "  
uw o o ctk|kpi"vjg"ghhgevu"qh"vjg"qegcpu"qp"ncpf=" "  
cpf" kfgpvkh{"kpi"vjg"Uwp"cu"vjg" o clqt"uqwtg"qh"  
gpgti {"hqt"vjg"Gctvj"cpf"wpfgtucvfkpi"kvu"tqng"  
kp"vjg" i tqyvj"qh"rncpvu."kp"vjg"etgcvkqp"qh"y kpfu."  
and in the water cycle.

Grade Five

Students are expected to:

É"eqpfwev" tgnf"cpf"ncdqtcvqt {"kpxguk i cvkqpu"  
hqmnykpi"j q o g"cpf"uejqqn"uchgv {"rtqegfwtgu"  
and environmentally appropriate and ethical  
rtcevkegu"d {"fg o qpvtcvkpi"uchg"rtcevkegu"fwtkpi"  
tgnf"cpf"ncdqtcvqt {"kpxguk i cvkqpu="cpf" o cmkpi"  
wise decisions in the use and conservation of  
tguqwtg"cpf"vjg"fkurqucn"cpf"tge {"enkpi"qh"  
materials.

É"wug"uekgpvk t e" o gv j q fu"fwtkpi" tgnf"cpf"  
ncdqtcvqt {"kpxguk i cvkqpu"d {"rncppkpi"cpf"  
k o rng o gpvkpi"fguetk r vkxg"cpf"gzrgtk o gpvcn"  
kpxguk i cvkqpu"kpenwfkpi"cumkpi"y gnm/fg lpgf"  
swgukqpu."hqt o wncvkpi"vguvcng"j { rqv j gugu."cpf"  
ugngevkpi"cpf"wukpi"gswr o gpv"cpf"vgej pqqi {"=" "  
eqmgevki" kphqt o cvkqp"vq"eqpuvtwev"tgcupqcdng"  
gz rncpcvkqpu"htq o "fktgev"cpf"kpftgev"gxkf gpeg=" "  
eq o o wpkecvkpi"xcnkf"eqpenwukqpu="cpf"  
eqpuvtwevkpi" i tcrju."vcdngu." o cru."cpf"ejctvu"  
wukpi"vqqu"kpenwfkpi"eq o r wvgtu"vq"qt i cpk | g."  
examine, and evaluate information.

É"wug"etkvekn"vj kpmkpi"cpf"uekgpvk t e"rtqng o "  
uqnxkpi"vq" o cmg"kphqt o gf"fggekukqpu"d {"  
cpn {"kpi."tgxkgykpi."cpf"etkvs w kpi"uekgpvk t e"  
gz rncpcvkqpu."kpenwfkpi"j { rqv j gugu"cpf"vjgqtkgu."  
cu"vq"vjgkt"uvtgp i vju"cpf"y gcmppguugu"wukpi"  
uekgpvk t e"gxkf gpeg"cpf" kphqt o cvkqp="ftcykpi"  
inferences based on information related to  
rtq o qvkqpcn" o cvgtkcnu"ht"rtqfwewu"cpf"ugt xkegu=" "  
tgrtgugpvkpi"vjg"pcvwtcn"y qtnf"wukpi" o qfgnu"  
cpf" kfgpvkh {"kpi"vjgkt"nk o kvcvkqpu="gxcnwcvkpi"  
vjg"k o rcev"qh"tgugctej"qp"uekgpvk t e"vjqwi jv."  
uqekgv {"cpf"vjg"gp xktq o gpv="cpf"eqppgevki"  
science concepts with the history of science and  
contributions of scientists.

É"mpqy"j qy"vq"uug" c"xctkvg {"qh"vqqu"cpf" o gv j q fu"

vq"eqpfwev"uekgpeg"kp swkt { "d { "eqmgev kpi "cpf" cpcn { |kpi "kphqt o cvkqp" wukpi "vqqnu" kpenwfkpi " computers, calculators, microscopes, cameras, sound recorders, hand lenses, rulers, thermometers, compasses, balances, hot plates, o gvgt" uvkemu. "vk o kpi " fgxkegu. " o ci pgvu. "eqmgev kpi " pgvu. "cpf" uchgv { " i qi i ngu="cpf" fg o qpuvtcvkpi " vjcv" tgrgcvgf" kpxgvki cvkqpu" o c { "kpetgcug" vjg" reliability of results.

É"mpqy "vjcv" c"u { uvgo "ku" c" eqmgev kqp" qh" e { engu. " structures, and processes that interact by fguetkdkpi "uq o g" e { engu. " uvtwevwtgu. "cpf" rtqeguugu" vjcv" ctg" hqwpf" kp" c" u { uvgo = "cpf" fguetkdkpi "uq o g" kpvgtcev kqpu" vjcv" qeewt" kp" c" system.

É"mpqy "vjcv" uq o g" e jcpig" qeewtu" kp" e { engu" d { " kfgpvkh { kpi " gxgpvu" cpf" fguetkdkpi " e jcpigu" vjcv" qeewt" qp" c" tgi wncd" dcuku=" kfgpvkh { kpi " vjg" uk i pk f ecpvg" qh" vjg" y cvgt. " ectdqp. "cpf" pkvtq i gp" e { engu=" cpf" fguetkdkpi " cpf" eq o rctkpi " nkhg" e { engu" of plants and animals.

É"mpqy "vjcv" o cvwgt" jcu" r j { ukecn" r tqr gtvkgu" d { " encuukh { kpi " o cvwgt" dcugf" qp" kvu" r j { ukecn" r tqr gtvkgu" kpenwfkpi " o ci pgvku o. " r j { ukecn" state, and the ability to conduct or insulate jgcv. " gngevtkekv { " cpf" uqwpf=" fg o qpuvtcvkpi " that some mixtures maintain the physical r tqr gtvkgu" qh" vjg" kt" kp i tgfkgpvu=" kfgpvkh { kpi " e jcpigu" vjcv" ecp" qeewt" kp" vjg" r j { ukecn" r tqr gtvkgu" qh" vjg" kp i tgfkgpvu" qh" uqnvkqpu=" cpf" qdugt xkpi " cpf" o gcuwtkpi " e jctcevgtkuvke" r tqr gtvkgu" qh" substances that remain constant.

É"mpqy "vjcv" gpgti { " qeewtu" kp" o cp { " hqt o u" d { " fkhgtgpvcvkpi " c o qpi " hqt o u" qh" gpgti { " kpenwfkpi " nk i j v. " jgcv. " gngevtkecn. " cpf" uqncd" gpgti { " = kfgpvkh { kpi " cpf" fg o qpuvtcvkpi " gxgt { fc { " gzc o r ngu" qh" j qy " nk i j v" ku" tgEgevgf" cpf" tghtcevfg=" fg o qpuvtcvkpi " vjcv" gngevtkekv { " ecp" Eeqy " kp" c" ektewkv" cpf" ecp" r tqfweg" jgcv. " nk i j v. " uqwpf. " cpf" o ci pgvke" ghgevu=" cpf" xgth { kpi " vjcv" xkdtcvkpi " cp" object can produce sound.

É"mpqy "vjcv" c f c rvcvkqpu" o c { " kpetgcug" vjg" uwt xkcn" qh" o g o dgtu" qh" c" urgekpu" d { " eq o rctkpi " vjg" adaptive characteristics of species that improve their ability to survive and reproduce in an gequ { uvgo = "cpcn { |kpi " cpf" fguetkdkpi " c f c r v k x g" e jctcevgtkuvkei " vjcv" tguwnv" kp" cp" qt i cpku o ùu" wpkswg" pke jg" kp" cp" gequ { uvgo = "cpf" r tgfkev kpi " uq o g" c f c r v k x g" e jctcevgtkuvkei " tgs wktgf" hqt" uwt xkcn" cpf" tgr tqfwekqp" d { " cp" qt i cpku o " kp" cp" ecosystem.

É"mpqy "vjcv" nkmppguugu" dgv y ggp" qhhur tkpi " and parents can be inherited or learned by kfgpvkh { kpi " vtckvu" vjcv" ctg" kp jgtkvf" htq o " rctgpv" vq" qhhur tkpi " kp" rncpvu" cpf" cpk o cnu=" cpf" i kxkpi " examples of learned characteristics that result htq o " vjg" kpEwgpeg" qh" vjg" gp xktqp o gpv

É"mpqy "vjcv" egtvckp" rcuv" gxgpvu" chhgev" rtgugpv" cpf" hwwwtg" gxgpvu" d { " kfgpvkh { kpi " cpf" qdugt xkpi " cev kqpu" vjcv" tgs wktg" vk o g" hqt" e jcpigu" vq" dg" o gcuwtdng. " kpenwfkpi " i ty y vj. " gtqukqp. " fkuuqnxkpi. " y gcv jgtkpi. " cpf" Eeqy = " ftcy kpi " eqpenwukqpu" cdqww" y jcv" j c r r g p g f" dghqtg" wukpi " fcvc=" cpf" kfgpvkh { kpi " rcuv" gxgpvu" vjcv" ngf" vq" vjg" hqt o cvkqp" qh" vjg" Gctv j ùu" tgg y cdng. " pqp/ renewable, and inexhaustible resources.

É"mpqy "vjcv" vjg" pcvwtcn" y qtnf" kpenwfgu" gctvj " o cvgtkcnu" cpf" qdlgevu" kp" vjg" um { " d { " kpvgt r tgvkpi " how land forms are the result of a combination qh" eqpuvtwev kxg" cpf" fguvtwev kxg" hqt egu=" fguetkdkpi " rtqeguugu" hqt" vjg" hqt o cvkqp" qh" eqcn. " qkm. " i cu. " cpf" o kpgtcnu=" kfgpvkh { kpi " vjg" r j { ukecn" e jctcevgtkuvkei " qh" vjg" Gctv j " cpf" eq o rctkpi " vjg o " vq" vjg" r j { ukecn" e jctcevgtkuvkei " qh" vjg" o qqp=" cpf" kfgpvkh { kpi " i tcvkv { " cu" vjg" hqt eg" vjcv" mggru" planets in orbit around the Sun and the moon around the Earth.

Grade 6

Students are expected to:

É"eqpfwev" fgnf" cpf" ncdqtcvqt { " kpxgvki cvkqpu" hqnmq y kpi " j q o g" cpf" ue j qqn" uchgv { " rtqeg fwtgu" and environmentally appropriate and ethical r tcevkegu" d { " fg o qpuvtcvkpi " uchg" r tcevkegu" fwtkpi " fgnf" cpf" ncdqtcvqt { " kpxgvki cvkqpu=" cpf" o cmkpi " wise decisions in the use and conservation of tguqwt egu" cpf" vjg" fku r qucn" cpf" tge { enkpi " qh" materials.

É"rncp" cpf" k o r ng o gpv" kpxgvki cvkxg" r tqeg fwtgu" fwtkpi " fgnf" cpf" ncdqtcvqt { " kpxgvki cvkqpu" kpenwfkpi " cumkpi " swgukqpu. " hqt o wncvki " vguvcdng" j { r qv j gugu. " cpf" ugngev kpi " cpf" wukpi " gswkr o gpv" cpf" vge j p qnqi { " = eqmgev kpi " fcvc" d { " qdugt xkpi " cpf" o gcuwtkpi " = cpcn { |kpi " cpf" kpvgt r tgvkpi " kphqt o cvkqp" vq" eqpuvtwev" tgc uqpcdng" gz rncpvkqpu" htq o " fktgev" cpf" kpfktgev" gxf gpeg=" eq o o wpkecvkpi " xcnk f" eqpenwukqpu=" cpf" eqpuvtwev kpi " i tcr ju. " vcdngu. " o cru. " cpf" e jctvu" wukpi " vqqnu" kpenwfkpi " eq o r wvgtu" vq" qt i cpk | g. " examine, and evaluate data.

É" wug"etkvekc"vj kpmkpi "cpf"uekgpvk l e" r tqdng o" uqnxkp i "vq" o cmg" kphqt o g f" fgekukqpu" d{ " cpcn{ | kpi . " t g x k g y k p i . " c p f " e t k v k s w k p i " u e k g p v k l e " g z r n c p c v k q p u . " k p e n w f k p i " j { r q v j g u g u " c p f " v j g q t k g u . " c u " v q " v j g k t " u w t g p i " v j u " c p f " y g c m p g u u g u " w u k p i " u e k g p v k l e " g x k f g p e g " c p f " k p h q t o c v k q p = " f t c y k p i " inferences based on information related to r t q o q v k q p c n " o c v g t k c n " h q t " r t q f w e v u " c p f " u g t x k e g u = " t g r t g u g p v k p i " v j g " p c w t c n " y q t n f " w u k p i " o q f g n u " c p f " k f g p v k h { k p i " v j g k t " n k o k v c v k q p u = " g x c n w c v k p i " v j g " k o r c e v " q h " t g u g c t e j " q p " u e k g p v k l e " v j q w i j v . " u q e k g v { . " c p f " v j g " g p x k t q p o g p v = " c p f " e q p p g e v k p i " science concepts with the history of science and contributions of scientists.

É" mpq y " j q y " v q " w u g " c " x c t k g v { " q h " v q q n u " c p f " o g v j q f u " v q " e q p f w e v " u e k g p e g " k p s w k t { " d { " e q n m g e v k p i . " c p c n { | k p i . " c p f " t g e q t f k p i " k p h q t o c v k q p " w u k p i " v q q n u " k p e n w f k p i " d g c m g t u . " r g v t k " f k u j g u . " o g y g t " u v k e m u . " i t c f w c v g f " e { n k p f g t u . " y g c v j g t " k p u v t w o g p v u . " v k o k p i " f g x k e g u . " j q v " r n c v g u . " v g u v " v w d g u . " u c h g v { " i q i n g u . " u r t k p i " u e c n g u . " o c i p g v u . " d c n c p e g u . " o k e t q u e q r g u . " v g n g u e q r g u . " v j g t o q o g v g t u . " e c n e w n c v q t u . " f g n f " g s w k r o g p v . " e q o r c u u g u . " e q o r w w g t u . " c p f " e q o r w w g t " r t q d g u = " c p f " k f g p v k h { k p i " r c v g t p u " k p " e q n m g e v g f " k p h q t o c v k q p " w u k p i " r g t e g p v . " c x g t c i g . " t c p i g . " c p f " h t g s w g p e { 0

É" mpq y " v j c v " u { u v g o u " o c { " e q o d k p g " y k v j " q v j g t " u { u v g o u " v q " h q t o " c " n c t i g t " u { u v g o " d { " k f g p v k h { k p i " c p f " f g u e t k d k p i " c " u { u v g o " v j c v " t g u w n u " h t q o " v j g " e q o d k p c v k q p " q h " v y q " q t " o q t g " u { u v g o u = " c p f " f g u e t k d k p i " j q y " v j g " r t q r g t v k g u " q h " c " u { u v g o " c t g " different from the properties of its parts.

É" mpq y " v j c v " v j g t g " k u " c " t g n c v k q p u j k r " d g v y g g p " h q t e g " c p f " o q v k q p " d { " k f g p v k h { k p i " c p f " f g u e t k d k p i " v j g " e j c p i g u " k p " r q u k v k q p . " f k t g e v k q p " q h " o q v k q p . " c p f " u r g g f " q h " c p " q d l g e v " y j g p " c e v g f " w r q p " d { " h q t e g = " f g o q p u v t c v k p i " v j c v " e j c p i g u " k p " o q v k q p " e c p " d g " o g c u w t g f " c p f " i t c r j k e c n { " t g r t g u g p v g f = " c p f " k f g p v k h { k p i " v j c v " h q t e g u " u j c r g " h g c v w t g u " q h " v j g " G c t v j " k p e n w f k p i " w r n k h v k p i . " o q x g o g p v " q h " y c v g t . " and volcanic activity.

É" mpq y " v j c v " u w d u v c p e g u " j x c g " r j { u k e c n " c p f " e j g o k e c n " r t q r g t v k g u " d { " f g o q p u v t c v k p i " v j c v " new substances can be made when two or more substances are chemically combined and eq o r c t k p i " v j g " r t q r g t v k g u " q h " v j g " p g y " u w d u v c p e g u " v q " v j g " q t k i k p c n " u w d u v c p e g u = " c p f " e n c u u k h { k p i " substances by their physical and chemical properties.

É" mpq y " v j c v " e q o r n g z " k p v g t c e v k q p u " q e e w t " d g v y g g p " o c w g t " c p f " g p g t i { " d { " f g l p k p i " o c w g t " c p f " g p g t i { = " g z r n c k p k p i " c p f " k m w u v t c v k p i " v j g " k p v g t c e v k q p u " d g v y g g p " o c v g t " c p f " g p g t i { " k p " v j g " y c v g t " e { e n g " c p f " k p " v j g " f g e c { " q h " d k u o c u u = " c p f " f g u e t k d k p i " g p g t i { " e q y " k p " n k x k p i " u { u v g o u " k p e n w f k p i " h q q f " e j c k p u " c p f " h q q f " y g d u 0

É" mpq y " v j c v " q d v c k p k p i . " v t c p u h q t o k p i . " c p f " f k u v t k d w v k p i " g p g t i { " c h h g e v u " v j g " g p x k t q p o g p v " d { " k f g p v k h { k p i " g p g t i { " v t c p u h q t o c v k q p u " q e e w t t k p i " f w t k p i " v j g " r t q f w e v k q p " q h " g p g t i { " h q t " j w o c p " w u g = " e q o r c t k p i " o g v j q f u " w u g f " h q t " v t c p u h q t o k p i " g p g t i { " k p " f g x k e g u = " c p f " t g u g c t e j k p i " c p f " f g u e t k d k p i " g p g t i { " v { r g u " h t q o " v j g k t " u q w t e g " v q " v j g k t " w u g " c p f " f g v g t o k p k p i " k h " v j g " v { r g " k u " t g p g y c d n g . " p q p / t g p g y c d n g . " q t " k p g z j c w u v k d n g 0

É" mpq y " v j g " t g n c v k q p u j k r " d g v y g g p " u v t w e v w t g " c p f " h w p e v k q p " k p " n k x k p i " u { u v g o u " d { " f k h h g t g p v k c v k p i " d g v y g g p " u v t w e v w t g " c p f " h w p e v k q p = " f g v g t o k p k p i " v j c v " c m m " q t i c p k u o u " c t g " e q o r q u g f " q h " e g n n u " v j c v " e c t t { " q p " h w p e v k q p u " v q " u w u v c k p " n k h g = " c p f " k f g p v k h { k p i " j q y " structure complements function at different n g x g n u " q h " q t i c p k | c v k q p " k p e n w f k p i " q t i c p u . " q t i c p " u { u v g o u . " q t i c p k u o u . " c p f " r q r w n c v k q p u 0

É" mpq y " v j c v " v t c k v u " q h " u r g e k g u " e c p " e j c p i g " v j t q w i j " i g p g t c v k q p u " c p f " v j g " k p u v t w e v k q p u " h q t " v t c k v u " c t g " e q p v c k p g f " k p " v j g " i g p g v k e " o c v g t k c n " q h " v j g " q t i c p k u o u " d { " k f g p v k h { k p i " u q o g " e j c p i g u " k p " v t c k v u " v j c v " e c p " q e e w t " q x g t " u g x g t c n " i g p g t c v k q p u " v j t q w i j " p c w t c n " q e e w t t g p e g " c p f " u g n g e v k x g " d t g g f k p i = " k f g p v k h { k p i " e g n n u " c u " u v t w e v w t g u " e q p v c k p k p i " i g p g v k e " o c v g t k c n = " c p f " k p v g t r t g v k p i " v j g " t q n g " q h " i g p g u " k p " inheritance.

É" mpq y " v j c v " v j g " t g u r q p u g u " q h " q t i c p k u o u " c t g " e c w u g f " d { " k p v g t p c n " q t " g z v g t p c n " u v k o w n k " d { " k f g p v k h { k p i " t g u r q p u g u " k p " q t i c p k u o u " v q " k p v g t p c n " u v k o w n k = " k f g p v k h { k p i " t g u r q p u g u " k p " q t i c p k u o u " v q " g z v g t p c n " u v k o w n k = " c p f " k f g p v k h { k p i " e q o r q p g p v u " q h " c p " g e q u { u v g o " v q " y j k e j " q t i c p k u o u " o c { " t g u r q p f 0

É" mpq y " e q o r q p g p v u " q h " q w t " u q n c t " u { u v g o " d { " k f g p v k h { k p i " e j c t c e v g t k u v k e u " q h " q d l g e v u " k p " q w t " u q n c t " u { u v g o " k p e n w f k p i " v j g " U w p . " r n c p g v u . " o g v g q t k v g u . " e q o g v u . " c u v g t q k f u . " c p f " o q p p u = " c p f " f g u e t k d k p i " v { r g u " q h " g s w k r o g p v " c p f " v t c p u r q t v c v k q p " p g g f g f " for space travel.

É"mpqy"vjg"uvtwevwtgu"cpf"hwpevkqpu"qh"Gctvj"  
u{uvgo"u"d{uw o o ctk|kpi"vjg"tqem"e{eng=  
kfgpvkh{kpi"tgnvcvqpujkr"dgvyggp"itqwpfy cvgt"  
cpf"uwthceg"y cvgt"kp"e"y cvgtujgf="cpf"fguetkdkpi"  
eq o rqpqpvu"qh"vjg"cv o qur jgtg."kpenwfkpi"  
qz{igp."pkvtqigp."cpf"y cvgt"xcrqt."cpf"  
kfgpvkh{kpi"vjg"tqng"qh"cv o qur jgtke" o qxg o gpv"kp"  
y gcvjgt"ejcpi"gl

Grade 7

Students are expected to:

É"eqpfwev"İgnf"cpf"ncdqtcvqt{"kpxgukicvkqpu"  
hqmqykp i"uchg."gpixktqo gpcvnn{"crrtqr tkcvg."  
cpf"gvjkecn"rtcevkegu"fwtkpi"İgnf"cpf"ncdqtcvqt{"  
kpxgukicvkqpu="cpf" o cmkpi"y kug"fgelukqpu"kp"  
the use and conservation of resources and the  
fkurqucn"cpf"tge{enkpi"qh" o cvgtkcnu)

É"wug"uekgpvkİe"kp swkt{" o gvjqfu"fwtkpi"İgnf"  
cpf"ncdqtcvqt{"kpxgukicvkqpu"d{" rncppkpi"  
cpf"ko rng o gpvki" kpxgukicvkxg"rtqegfwtg"  
kpenwfkpi"cumkpi"swgukvqpu."hqt o wncvki"  
vguvcnng"j{ rqvjgugu."cpf"ugngevki"cpf"wukpi"  
gswkr o gpv"cpf"vgejppnqi{"="eqmgevkpi"fcvc"d{"  
qdugtxkpi"cpf" o gcuwtkpi="qti cpk|kpi."cpcn{|kpi."  
o cmkpi" kphgtpegu."cpf"rtgfekvki"vtgpfu"htq o"  
fktgev"cpf"kpftgev"gxkfgpeg="eq o o wpkecvki"  
xcnkf"eqpenwukqpu="cpf"eqpuvtwevki"itcrju."  
vcdngu." o cru."cpf"ejctvu"wukpi"vqqu"kpenwfkpi"  
eq o rwwgtu"vq"qti cpk|g."gzc o kpg."cpf"gxcnwcvg"  
data.

É"wug"etkvekn"vj kpmkpi"cpf"uekgpvkİe"rtqdnng o"  
uqnkxpi"vq" o cmg" kphqt o gf"fgelukqpu"d{"  
cpcn{|kpi."tgxkykpi."cpf"etkvs wki"uekgpvkİe"  
gzrncpcvqpu."kpenwfkpi"j{ rqvjgugu"cpf"vjgqtkgu."  
cu"vq"vjgkt"uvtgp"vjju"cpf"y gcmppguugu"wukpi"  
uekgpvkİe"gxkfgpeg"cpf" kphqt o cvkqp="ftc ykpi"  
inferences based on information related to  
rtq o qvkpcn" o cvgtkcnu" hqt"rtqfwevu"cpf"ugtxkegu=  
tgrtgugpvki"vjg"pcvwtcn"y qtnf"wukpi" o qfgnu"  
cpf"kf gpvkh{kpi"vjgkt"nk o kvcvkqpu="gxcnwcvki"  
vjg"ko rcev"qh"tgugcte"j"qp"uekgpvkİe"vjqw ijv."  
uqekgv{"cpf"vjg"gpixktqo gpv="cpf"eqppgevkpi"  
science concepts with the history of science and  
contributions of scientists.

É"mpqy"jqy"vq"wug"vqqu"cpf" o gvjqfu"vq"eqpfwev"  
uekgpvkİe"kp swkt{"d{"eqmgevkpi."cpcn{|kpi."  
cpf"tgeqt fki" kphqt o cvkqp"vq"gzrncp"e"  
rjgpq o gpqp"wukpi"vqqu"kpenwfkpi"dgcmgtu."  
rgvtk"fkujgu." o vgt"uvmku."itcfwcvgf"e{nkpfgtu."  
y gcvjgt"kp uvtw o gpvu."jqv"rncvgu."fkuugevki"  
gswkr o gpv."vguv"vwdgu."uchgv{"iqi"ngu."urtkpi"  
scales, balances, microscopes, telescopes,  
vjgt o q o gvgtu."ecnewncvqtu."İgnf" gswkr o gpv."  
eq o rwwgtu."eq o rwwgt"rtqdgu."vk o kpi"fgxkegu."  
o ci pgvu."cpf"eq o rcuugu="cpf"eqmgevkpi"cpf"  
cpcn{|kpi" kphqt o cvkqp"vq"tgeq ipk|g"rcwgtpu)

É"mpqy"vjcv"cp" gswknkdkw o "qh"e"u{uvgo" o c{"  
ejcpi"gd{"fguetkdkpi"jqy"u{uvgo" o c{"tgcej"cp"  
gswknkdkw o="cpf"qdugtxkpi"cpf"fguetkdkpi"vjg"  
tqng"qh"geqni kecn"uweeguukq"kp" o ckpvckkpi"cp"  
gswknkdkw o "kp"cp"gequ{uvgo o)

É"mpqy"vjcv"vjggtg"ku"e"tgnvcvqpujkr"dgvyggp"  
hqteg"cpf" o qvkqp"d{"fg o qpuvtcvki"dcuke"  
tgnvcvqpujkr"dgvyggp" hqteg"cpf" o qvkqp"wukpi"  
uk o rng" o cejkpgu" kpenwfkpi" rwmng{"u"cpf"ngxgtu=  
fg o qpuvtcvki"vjcv"cp"qdlgev"y km"tg o ckp"cv"  
tguv"qt" o qxg"kp"e"uvtcki"jv"nkpg"kh"kv"ku"pqv"dgkpi"  
uwdlgev"vq"cp"wpdcncpeg" hqteg="cpf"tgnvcvki"  
hqtegu"vq"dcuke"rtqeguugu"kp"nkxkpi"qti cpk u o u"  
kpenwfkpi"vjg"İeqy"qh"dnqq"cpf"vjg"g o gti gpeg"  
qh"uggf nkpi u)

É"mpqy"vjcv"uwduvcpegu"jcxg"rj{ukecn"cpf"  
ejgo kecn"rtqrgtvkgu"d{"kfgpvkh{kpi"cpf"  
fg o qpuvtcvki"gxgt{fc{"gzc o rngu"qh"ejgo kecn"  
rjgpq o gpc="fguetkdkpi"rj{ukecn"rtqrgtvkgu"qh"  
ngng o gpvu"cpf"kf gpvkh{kpi"jqy"vjg"ctg"wug"vq"  
rqukvkqp"cp"ngng o gpv"qp"vjg"rgtkqfke"vcdng="cpf"  
tgeq ipk|kpi"vjcv"eq o rqpwf"ctg"eq o rqugf"qh"  
elements.

É"mpqy"vjcv"eq o rngz"kpvtcevqpu"qeewt"dgvyggp"  
o cvgt"cpf"gpgti{"d{"kmwuvtcvki" gzc o rngu"qh"  
rqvkvkcn"cpf"mkpgvke"gpgti{"kp"gxgt{fc{"nkhg=  
cpf"kf gpvkh{kpi"vjcv"tcfkcp"gpgti{"htq o"vjg"Uwp"  
ku"vtcpuhgttg"kp vq"ejgo kecn"gpgti{"vjtqw ij"vjg"  
process of photosynthesis.

É"mpqy"vjg"tgnvcvqpujkr"dgvyggp"uvtwevwtg"cpf"  
hwpevkqp"kp"nkxkpi"u{uvgo"u"d{"kfgpvkh{kpi"vjg"  
u{uvgo"u"qh"vjg"jw o cp"qti cpk u o"cpf"fguetkdkpi"  
vjgkt"hwpevkqpu="cpf"fguetkdkpi"jqy"qti cpk u o u"  
o ckpvckp"uvcnng"kpvtgtpcn"eqpfkvkqpu"y jkng"nkxkpi"  
kp"ejcpi"kp i"gzvgtpcn"gpixktqo gpvu)

É"mpqy "vjcv"urgekge"ecp"ejcpi g"vj tqwi j"  
 i gpgtcvkqpu"cpf"vjcv"vjg"kpvtwevkqpu"hqt"  
 vtckvu"ctg"eqpvckpgf"kp"vjg"i gpgvke" o cvgtkcn"  
 qh"vjg"qt i cpku o u"d{ "kf gpvkh{kp i"vjcv"ugzwc n"  
 tgrtqfwevkqp"tguwvnu"kp" o qtg"fkxgtug"qhhrtkpi"  
 and asexual reproduction results in more  
 wphkqt o "qhhrtkpi"=eq o rctkpi"vtckvu"qh"  
 qt i cpku o u"qh"fkhhgtgpv"urgekge"vjcv"gpj cpeg"vjgkt"  
 uwtkxkn"cpf"tgrtqfwevkqp="cpf"fkuvkpi wkuj kpi"  
 between dominant and recessive traits and  
 tgeq i pk |kp i"vjcv"kpj gktvgf"vtckvu"qh"cp"kp f kxk f wcn"  
 ctg"eqpvckpgf"kp"i gpgvke" o cvgtkcn0

É"mpqy "vjcv"vjg"tgu rqpugu"qh"qt i cpku o u"ctg"ecwugf"  
 d{ "kpvgtpcn"cpf"gzvgtpcn"uvk o wnk"d{ "cpcn{ |kp i"  
 ejcpi gu"kp"qt i cpku o u"vjcv" o c{ "tguwvnu"htq o"  
 kpvgtpcn"uvk o wnk="cpf"kf gpvkh{kp i"tgu rqpugu"  
 kp"qt i cpku o u"vq"gzvgtpcn"uvk o wnk"hwqpf"kp"vjg"  
 environment.

É"mpqy "vjcv"vjg"tgu"ku"c"tgncvkqpu jkr"dgvy ggp"  
 qt i cpku o u"cpf"vjg"gp xktqp o gpv"d{ "kf gpvkh{kp i"  
 eq o rppgpvu"qh"cp"gequ {uvg o="qdugt xkpi"cpf"  
 fguetkdkpi" j qy"qt i cpku o u"kpenw f kpi"rtqfwegtu."  
 eqpuw o gtu."cpf" fgeq o rqugtu"nkxg"vq i gvjgt"kp"  
 cp"gp xktqp o gpv"cpf" wug"gzkuvkpi"tguqwtegu=" "  
 fguetkdkpi" j qy"fkhhgtgpv"gp xktqp o gpvu"uwr r qtv"  
 fkhhgtgpv"xctkvgv"qh"qt i cpku o u="cpf"qdugt xkpi"  
 cpf"fguetkdkpi"vjg"tqng"qh"geqng i kecn"uweeguukqp"  
 in ecosystems.

É"mpqy "eq o rppgpvu"qh"qwt"uqnet"u{uvg o"d{ "  
 kf gpvkh{kp i"cpf"knwuvtcvkpi" j qy"vjg"vknv"qh"vjg"  
 Earth on its axis as it rotates and revolves  
 ctqwpf"vjg"Uwp"ecwugu"ejcpi gu"kp"ugcuqpu"cpf"  
 vjg"ngpi vj"qh" c"fc{="cpf"tgncvkpi"vjg"Gctvj uu"  
 o qxg o gpv"cpf"vjg" o qppuu"qtdkv"vq"vjg"qdugt xgf"  
 cyclical phases of the moon.

É"mpqy "vjcv"pcvwtn"gxgpvu"cpf" j w o cp"cevxxkv{"ecp"  
 cnvgt"Gctvj"u{uvg o u"d{ "fguetkdkpi"cpf"rtgfkevkpi"  
 the impact of different catastrophic events on  
 vjg"Gctvj="cpcn{ |kp i"ghhgevu"qh"tgi kqpcn"gtqukqpcn"  
 fgrqukvkq"cpf" y gcvjgtkpi="cpf" o cmkpi"  
 kphgtgpegu"cpf" ftc y kpi"eqpenwukqpu"cdqvw"  
 ghhgevu"qh" j w o cp"cevxxkv{"qp"Gctvj uu"tggp y cdng."  
 pqp/tggp y cdng."cpf"kpjz j cwuukdng"tguqwtegu0

## Grade 8

Students are expected to:

É"eqpfwev" fgnf"cpf"ncdqtcvqt{"kpxguk i cvkqpu"  
 hqnmq y kpi" j q o g"cpf"ue jqqn"uchgv{"rtqeg fwtgu"  
 and environmentally appropriate and ethical  
 r tcevkegu"d{ "fg o qpvtcvkpi"uchg"r tcevkegu"fwtkpi"  
 fgnf"cpf"ncdqtcvqt{"kpxguk i cvkqpu="cpf" o cmkpi"  
 wise decisions in the use and conservation of  
 tguqwtegu"cpf"vjg" fku rqucn"cpf"tge{enkpi"qh"  
 materials.

É"wug"uekpvk f e"kpswkt{" o gvj qfu"fwtkpi" fgnf"  
 cpf"ncdqtcvqt{"kpxguk i cvkqpu"d{ "rncppkpi"  
 cpf" k o r ng o gpvki" kpxguk i cvkxg"rtqeg fwtgu"  
 kpenw f kpi"cumkpi"swgukqpu."hqt o wncvkpi"  
 vguvedng"j { r qv j gugu."cpf"ugngevkpi"cpf" wukpi"  
 gswkr o gpv"cpf"vge j pqqi {"="eqmgevkpi" fcvcd{"  
 qdugt xkpi"cpf" o gcuwtkpi="qt i cpk |kp i."cpcn{ |kp i."  
 o cmkpi" kphgtgpegu."cpf"rtgfkevkpi"vtgpfu"htq o"  
 fktgei"cpf"kp fktgei"gxkfgpeg="eq o o wpkcevki"  
 xcnkf"eqpenwukqpu="cpf"eqpuvtwevkpi"i tcr ju."  
 vcdngu." o cru."cpf"ejctvu" wukpi"vqqu" kpenw f kpi"  
 eq o r wvgtu"vq"qt i cpk |g."gzc o kpg."cpf" gxcnwcvg"  
 data.

É"wug"etkvekn"vj kpmkpi"cpf"uekpvk f e"rtqng o"  
 uqnxkpi"vq" o cmg" kphqt o gf" fgekukqpu"d{ "  
 cpcn{ |kp i."tgxkgy kpi."cpf"etkvs wki"uekpvk f e"  
 gznrcpcvkqpu."kpenw f kpi" j { r qv j gugu"cpf"vjg qtkgu."  
 cu"vq"vjgkt"avtgp i vj u"cpf" y gcmppuugu" wukpi"  
 uekpvk f e"gxkfgpeg"cpf" kphqt o cvkqp=" ftc y kpi"  
 inferences based on information related to  
 r tq o qvkqpcn" o cvgtkcnu" hqt" r tq fwevu"cpf"ugt xkegu=" "  
 tgrtguvki"vjg"pcvwtn" y qtnf" wukpi" o qfgnu"  
 cpf"kf gpvkh{kp i"vjgkt"nk o kvcvkqpu="gxcnwcvkpi"  
 vjg" k o rcev"qh"tgugcte j"qp"uekpvk f e"vj qwi jv."  
 uqekgv{"cpf"vjg"gp xktqp o gpv="cpf"eqppgevkpi"  
 science concepts with the history of science and  
 contributions of scientists.

É"mpqy" j qy"vq" wug" c"xctkvg{"qh"vqqnu"cpf" o gvj qfu"  
 vq"eqpfwev"uekpeg" kpswkt{"d{ "eqmgevkpi."  
 tgeqt f kpi."cpf" cpcn{ |kp i" kphqt o cvkqp" wukpi"vqqnu"  
 kpenw f kpi" dgcmgtu."rgvtk" fku jgu." o gvt" uvkemu."  
 i tcfwcvgf"e{ nkp fgtu." y gcvjgt"kpvtw o gpvu." j qv"  
 rncvgu." fkuugevkpi" gswkr o gpv."vguv"vwdgu."uchgv{"  
 i q i ngu."urtkpi"uecngu."dncpegu." o ketqueqrgu."  
 vngueqrgu."vjgto q o gvgtu."ecnewncvqtu." fgnf"  
 gswkr o gpv."eq o r wvgtu."eq o r wvgt"rtqdg u." y cvgt"  
 vguv"mkvu."cpf"vk o kpi" fgxkegu="cpf"gzvtr qncvkpi"  
 htq o "eqmgevgf" kphqt o cvkqp"vq" o cmg" r tgfkevkqpu0

É"mpqy "vjcv"tgncvkqpujkr"gzkuv"dgv y ggp"uekgpeg" cpf"vgejppnqi {"d{"kfgpvkh{kp i "c"fgukip"rtqdnq o" cpf"rtqrqukp i "c"uqmwkqp="fgukipki"cpf"vguvkpi" c"o qfgn"vq"uqnxg"vjg"rtqdnq o="cpf"gxncwcvkpi" vjg"o qfgn"cpf"o cmkpi"tgeq o o gpfvcvkpu"hqt" ko rtqxkpi"vjg"o qfgn}

É"mpqy "vjcv"kpvgtfgrgpfgep"qeewtu"co qpi"nkxkpi" u{uvgo u"d{"fguetkdkpi"kpvgtcevkqpu"co qpi" u{uvgo u"kp"vjg"jwo cp"qti cpku o u="kfgpvkh{kp i" hggfdcem"o gejcpku o u"vjcv"o ckpvckp"gswnkdtkw o" qh"u{uvgo u="cpf"fguetkdkpi"kpvgtcevkqpu"y kvj kp" ecosystems.

É"mpqy "vjcv"vjgtg"ku"c"tgncvkqpujkr"dgv y ggp"hqteg" cpf"o qvkkp"d{"fg o qpvtcvkpi"j qy"wpdcncpegf" hqtegu"ecwug"ejcpigu"kp"vjg"urggf"qt"fktevkqp"qh" cp"qdlgevu"o qvkkp="cpf"tgeq i pk|kp i"vjcv"y cxgu" ctg"i gpgtcvgf"cpf"ecp"vtcxgn"vjqwi j"fkhhgtgpn" media.

É"mpqy "vjcv"o cvgt"ku"eq o rqugf"qh"cvq o u"d{" fguetkdkpi"vjg"uvtwevtg"cpf"rctvu"qh"cp"cvq o=" cpf"kfgpvkh{kp i"vjg"rtqrgtkgu"qh"cp"cvq o" kpenwfkpi"o cuu"cpf"gngevtkecn"ejcti g}

É"mpqy "vjcv"uwduvcepu"jcxg"ejgo kecn"cpf" rj {ukecn"rtqrgtkgu"d{"fg o qpvtcvkpi"vjcv" substances may react chemically to form pgy"uwduvcepu="kpvgtrtgkpi"kphqt o cvkqp"qp" the periodic table to understand that physical rtqrgtkgu"ctg"wugf"vq"i tqwr"gnq o gpvu=" tgeq i pk|kp i"vjg"ko rqtvcpeg"qh"hqt o wncu"cpf" gswcvkqpu"vq"gzrtguu"y jcv"jcr rgpu"kp"ce jgo kecn" tgeevkqp="cpf"kfgpvkh{kp i"vjcv"rj {ukecn"cpf" e jgo kecn"rtqrgtkgu"kpEwgpeg"vjg"fgxgnqr o gpv" and application of everyday materials.

É"mpqy "vjcv"eq o rngz"kpvgtcevkqpu"qeewt"dgv y ggp" o cvgt"cpf"gpgti {"d{"kmmwvtcvkpi"kpvgtcevkqpu" dgv y ggp"o cvgt"cpf"gpgti {"kpenwfkpi"urgek le" jgcv="fguetkdg"kpvgtcevkqpu"co qpi"uqnct." y gcvjgt."cpf"qegcp"u{uvgo u="cpf"kfgpvkh{kp i"cpf" fg o qpvtcvkpi"vjcv"nquu"qt"i ckp"qh"j gcv"gpgti {" qeewtu"fwtkpi"gzqvjgt o ke"cpf"gpfqvjgt o ke" chemical reactions.

É"mpqy "vjcv"vtckvu"qh"urgekgeu"ecp"ejcpig"vjqwi j" i gpgtcvkqpu"cpf"vjcv"vjg"kpvtwevkqpu"hqt" vtckvu"ctg"eqpvckpgf"kp"vjg"i gpgvke"o cvgtken" qh"vjg"qti cpku o u"d{"kfgpvkh{kp i"vjcv"ejcpig" in the environmental conditions can affect vjg"uwtxkcn"qh"kpfkxfwcu"cpf"qh"urgekgeu" fkuvkpi wkuj kpi" dgv y ggp"kpjgktvgf"vtckvu"cpf"qvjgt" characteristics that result from interactions ykvj"vjg"gpvktq o gpv="cpf"o cmkpi"rtgfekvkqpu" cdqww"rquukdnq"qwveq o gu"qh"xctkquu"i gpgvke" combinations of inherited characteristics.

É"mpqy "vjcv"e{engu"gzkuv"kp"Gctvj"u{uvgo u"d{" cpcn{|kp i"cpf"rtgfekvkpi"vjg"ugswgpeg"qh"gxgpvu" kp"vjg"nwpct"cpf"tqem"e{engu="tgncvkpi"vjg"tqng"qh" qegcpu"vq"enk o cvke"ejcpigu="cpf"rtgfekvkpi"vjg" tguwvnu"qh"o qfkh{kp i"vjg"Gctvj"ù"pkvtq i gp."y cvgt." and carbon cycles.

É"mpqy "ejctcevgtkuvkeu"qh"vjg"wpkxgtug"d{" fguetkdkpi"ejctcevgtkuvkeu"qh"vjg"wpkxgtug=" gznckkpi"vjg"wug"qh"nk i jv{"gctu"vq"fguetkdg" fkuvcepeg"kp"vjg"wpkxgtug="cpf"tgugcte j kpi"cpf" fguetkdkpi"j kuvqtkecn"uekgpvk le"vjg"qtkgu"qh"vjg" qtki kp"qh"vjg"wpkxgtug}

É"mpqy "vjcv"pcwvtn"gxgpvu"cpf"jwo cp"cevkxvkku" ecp"cnvgt"Gctvj"u{uvgo u"d{"rtgfekvkpi"ncpf" hgcvwtgu"tguwvki"htq o"i tcfwcn"ejcpigu=" cpcn{|kp i"j qy"pcwvtn"qt"jwo cp"gxgpvu"o c{" jcxg"eqpvtkdwvgf"vq"vjg"gzvkpevkqp"qh"urgekgeu=" cpf"fguetkdkpi"j qy"jwo cp"cevkxvkku"jcxg" o qfk l g f"uqkn."y cvgt."cpf"ckt"swcnkv l}

Kpvg i cvgf"Rj {ukeu"cpf"Ejgo kuvt {

Students are expected to:

É"eqpfwev" l gnf"cpf"ncdqtcvqt {"kpxguk i cvkqpu" wukpi"uchg."gpvktq o gpvcm {"crrtrtkvg." and ethical practices for at least 40 percent qh"vjgkt"kpvtwevkqpcn"vk o g"d{"fg o qpvtcvkpi" uchg"rtcevkegu"fwtkpi"ncdqtcvqt {"cpf" l gnf" kpxguk i cvkqpu="cpf"o cmkpi"yug"ejqkegu"kp" the use and conservation of resources and the fkurqucn"qt"tge{enkpi"qh"o cvgtkcnu}

É"wug"uekgpvk le"o gvjqfu"fwtkpi" l gnf"cpf" ncdqtcvqt {"kpxguk i cvkqpu"d {"rncppkpi"cpf" ko rng o gpvkpi"kpxguk i cvkxg"rtqegfwtku" kpenwfkpi"cumkpi"swgukqpu."hqt o wncvkpi" vguvedng"j {rqvjgugu."cpf"ugngevkpi"gswr o gpv" cpf"vgejppnqi {"="eqmgevkpi"fcvc"cpf"o cmkpi" o gcuwtg o gpvu"y kvj"rtgekukp="qti cpk|kp i." cpcn{|kp i."cpf"rtgfekvkpi"vtgpfu"htq o"fcvc="cpf" eq o o wpkecvkpi"xcnkf"eqpenwukqpu}

É" wug" etkvekn" v j k p m k p i " c p f " u e k g p v k l e " r t q d n g o " u q n x k p i " v q " o c m g " k p h q t o g f " f g e k u k q p u " d { " c p c n { | k p i . " t g x k g y k p i . " c p f " e t k v k s w k p i " u e k g p v k l e " g z r n c p c v k q p u . " k p e n w f k p i " j { r q v j g u g u " c p f " v j g q t k g u . " c u " v q " v j g k t " u v t g p i " v j u " c p f " y g e m p g u u g u " w u k p i " u e k g p v k l e " g x k f g p e g " c p f " k p h q t o c v k q p = " f t c y k p i " i n f e r e n c e s b a s e d o n d a t a r e l a t e d t o p r o m o t i o n a l o c v g t k c n u " h q t " r t q f w e u " c p f " u g t x k e g u = " g x c n w c v k p i " v j g " k o r c e v " q h " t g u g c t e j " q p " u e k g p v k l e " v j q w i j v . " u q e k g v { . " c p f " v j g " g p x k t q p o g p v = " f g u e t k d k p i " c o n n e c t i o n s b e t w e e n p h y s i c s a n d c h e m i s t r y , c p f " h w w t g " e c t g t u = " c p f " t g u g c t e j k p i " c p f " f g u e t k d k p i " v j g " j k u v t { " q h " r j { u k e u . " e j g o k u v t { . " c p f " c o n t r i b u t i o n s o f s c i e n t i s t s .

É" m p q y " e q p e g r v u " q h " h q t e g " c p f " o q v k q p " k p " g x g t { f c { " n k h g " d { " e c n e w i c v k p i " u r g g f . " o q o g p v w o . " c e e n g t c v k q p . " y q t m . " c p f " r q y g t " k p u { u v g o u = " k p x g u v k i c v k p i " c r r n k e c v k q p u " q h " P g y v q p l u " n c y u = " c p c n { | k p i " v j g " g h h g e v u " e c w u g f " d { " e j c p i k p i " h q t e g " o r d i s t a n c e i n s i m p l e m a c h i n e s d e m o n s t r a t e d i n h o u s e h o l d d e v i c e s , t h e h u m a n b o d y , c p f " x g j k e n g u = " c p f " k p x g u v k i c v k p i " o g e j c p k e c n " c f x c p v c i g " c p f " g h f e k g p e { " q h " c " x c t k g v { " q h " m a c h i n e s .

É" m p q y " v j g " g h h g e v u " q h " y c x g u " q p " g x g t { f c { " n k h g " d { " f g o q p u v t c v k p i " y c x g " v { r g u " c p f " v j g k t " e j c t c e v g t k u v k e u " v j t q w i j " c " x c t k g v { " q h " c e v k x k v k g u = " f g o q p u v t c v k p i " y c x g " k p v g t c e v k q p u " k p e n w f k p i " k p v g t h g t g p e g . " r q n c t k { c v k q p . " t g f e g e v k q p . " t g h t c e v k q p . " c p f " t g u a p c p e g " y k v j k p " f k h h g t g p v " o c v g t k c n u = " k f g p v k h { k p i " w u g u " q h " g n g e v t q o c i p g v k e " y c x g u " k p " v g e j p q n q i k e c n " c r r n k e c v k q p u = " c p f " f g o q p u v t c v k p i " t h e a p p l i c a t i o n o f a c o u s t i c p r i n c i p l e s .

É" m p q y " v j g " k o r c e v " q h " g p g t i { " v t c p u h q t o c v k q p u " k p " g x g t { f c { " n k h g " d { " f g u e t k d k p i " v j g " n c y " q h " e q p u g t x c v k q p " q h " g p g t i { = " k p x g u v k i c v k p i " v j g " o q x g o g p v " q h " j g c v " v j t q w i j " u q n k f u . " n k s w k f u . " c p f " i c u g u = " c p c n { | k p i " v j g " g h f e k g p e { " q h " g p g t i { " c o n v e r s i o n s r e s p o n s i b l e f o r t h e p r o d u c t i o n o f q h " g n g e v t k e v { = " k p x g u v k i c v k p i " g e a p q o k e " c p f " g p x k t q p o g p v c n " k o r c e v u " q h " w u k p i " g p g t i { " u q w t e g u = " o g c u w t k p i " v j g " v j g t o c n " c p f " g n g e v t k e c n " e q p f w e v k x k v { " q h " x c t k q w u " o c v g t k c n u = " k p x g u v k i c v k p i " f k h h g t g p v " g n g e v t k e " e k t e w k v u = " c p c n { | k p i " r e l a t i o n s h i p s b e t w e e n a n e l e c t r i c c i r c u i t c p f " v j g " u v t g p i " v j " q h " k v u " o c i p g v k e " f g n f " w u k p i " g n g e v t q o c i p g v u = " c p f " c p c n { | k p i " g h h g e v u " q h " j g c v k p i " c p f " e q q n k p i " r t q e g u u g u " k p u { u v g o u l " o

É" m p q y " t g n e v k q p u j k r u " g z k u v " d g v y g g p " r t q r g t v k g u " q h " o c w g t " c p f " k v u " e q o r q p g p u " d { " k p x g u v k i c v k p i " c p f " k f g p v k h { k p i " r t q r g t v k g u " q h " f w k f u " k p e n w f k p i " f g p u k v { . " x k u e q u k v { . " c p f " d w q { c p e { = " t g u g c t e j k p i " v j g " j k u v t k e c n " f g x g n q r o g p v " q h " v j g " c v q o k e " v j g q t { = " k f g p v k h { k p i " e q p u v k v w g p v u " q h " o c v g t k c n u " q t " q d l g e v u " w u k p i " u r g e v t c n / c p c n { u k u " v g e j p k s w g u = " t g n e v k p i " v j g " e j g o k e c n " d g j c x k q t " q h " c p " g n g o g p v " k p e n w f k p i " d q p f k p i . " v q " k v u " r n c e g o g p v " q p " v j g " r g t k q f k e " v c d n g = " c p f " e n c u k h { k p i " u c o r n g u " q h " o c w g t " c u " d g k p i " e l e m e n t s , c o m p o u n d s , o r m i x t u r e s .

É" m p q y " v j c v " e j c p i g u " k p " o c w g t " c h h g e v " g x g t { f c { " n k h g " d { " f k u v k p i " w k u j k p i " d g v y g g p " r j { u k e c n " c p f " e j g o k e c n " e j c p i g u " k p " o c w g t = " c p c n { | k p i " g p g t i { " e j c p i g u " k p " e j g o k e c n " t g c e v k q p u = " k p x g u v k i c v k p i " v j g " n c y " q h " e q p u g t x c v k q p " q h " o c u u = " f g u e t k d k p i " t y p e s o f n u c l e a r r e a c t i o n s a n d t h e i r r o l e s i n c r r n k e c v k q p u = " c p f " t g u g c t e j k p i " c p f " f g u e t k d k p i " v j g " g p x k t q p o g p v c n " c p f " g e a p q o k e " k o r c e v " q h " g p f / p r o d u c t s o f c h e m i c a l r e a c t i o n s .

É" m p q y " v j c v " u q n w v k q p " e j g o k u v t { " k u " r c t v " q h " g x g t { f c { " n k h g " d { " t g n e v k p i " v j g " u v t w e v w t g " q h " y c v g t " v q " k v u " h w p e v k q p " c u " v j g " w p k x g t u c n " u q n x g p v = " t g n e v k p i " t h e c o n c e n t r a t i o n o f i o n s i n a s o l u t i o n t o r j { u k e c n " c p f " e j g o k e c n " r t q r g t v k g u = " u k o w n e v k p i " v j g " g h h g e v u " q h " c e k f " t c k p " q p " d w k n f k p i u . " u v c v w g u . " c p f " o k e t q q t i c p k u o u = " f g o q p u v t c v k p i " j q y " x c t k q w u " h c e v q t u " k p f e w g p e g " u q n w d k n k v { " k p e n w f k p i " t e m p e r a t u r e , p r e s s u r e , a n d n a t u r e o f t h e s o l u t e c p f " u q n x g p v = " c p f " f g o q p u v t c v k p i " j q y " h c e v q t u " k p f e w g p e g " v j g " t c v g " q h " f k u u q n x k p i o

Dkqngi {

Students are expected to:

É" e q p f w e v " f g n f " c p f " n c d q t c v q t { " k p x g u v k i c v k q p u " w u k p i " u c h g . " g p x k t q p o g p v c n m { " c r r t q r t k e v g . " a n d e t h i c a l p r a c t i c e s f o r a t l e a s t 4 0 p e r c e n t q h " v j g k t " k p u v t w e v k q p c n " v k o g " d { " f g o q p u v t c v k p i " u c h g " r t c e v k e g u " f w t k p i " n c d q t c v q t { " c p f " f g n f " k p x g u v k i c v k q p u = " c p f " o c m k p i " y k u g " e j q k e g u " k p " t h e u s e a n d c o n s e r v a t i o n o f r e s o u r c e s a n d t h e f k u r q u c n " q t " t g e { e n k p i " q h " o c v g t k c n u l

É" w u g " u e k g p v k l e " o g v j q f u " f w t k p i " f g n f " c p f " n c d q t c v q t { " k p x g u v k i c v k q p u " d { " r n c p p k p i " c p f " k o r n g o g p v k p i " k p x g u v k i c v k x g " r t q e g f w t g u " k p e n w f k p i " c u m k p i " s w g u v k q p u . " h q t o w n e v k p i " v g u v c d n g " j { r q v j g u g u . " c p f " u g n g e v k p i " g s w k r o g p v " c p f " v g e j p q n q i { = " e q m g e v k p i " f c v c " c p f " o c m k p i " o g c u w t g o g p v u " y k v j " r t g e k u k q p = " q t i c p k | k p i . " c p c n { | k p i . " c p f " r t g f k e v k p i " v t g p f u " h t q o " f c v c = " c p f " e q o o w p k e c v k p i " x c n k f " e q p e n w u k q p u l

É" wug" etkvekn" vj kpmkp i" cpf" uekgpvk l e" r tqdng o"  
uqnxkp i" vq" o cmg" kphqt o g f" fgekukqpu" d { "  
cpcn { | kpi . "tgxkg y kpi . "cpf" etkvs wkp i" uekgpvk l e"  
gz rncpcvkqpu . "kpenwfkpi" j { r qv j gugu" cpf" vj gqtkgu ."  
cu" vq" vj gkt" uvtgp i v j u" cpf" y gcmppguugu" wukpi "  
uekgpvk l e" gxkf gpeg" cpf" kphqt o cvkqp = "gxcnwcvkpi "  
r tq o qvkqpcn" enck o u" vj cv" tgnvcvg" vq" dkqng i kecn"  
kuuwgu = "gxcnwcvkpi" vj g" k o rcev" qh" tgugcte j" qp"  
uekgpvk l e" vj j qw i j v . "uqekgv { . "cpf" vj g" gp xktq o gpv = "  
f guetkdkp i" vj g" eqppg evkqp" dg v y ggp" dkqng i { "cpf"  
hwwwtg" ectgttu = "gxcnwcvkpi" o qf gnu" ceeqt fkp i" vq"  
vj gkt" c fgs wce { "kp" tgr tgugpvkpi" dkqng i kecn" qdlgevu"  
qt" gxgpvu = "cpf" tgugcte j kpi" cpf" f guetkdkp i"  
vj g" j kuvqt { "qh" dkqng i { "cpf" eqpvtkdwwkqpu" qh"  
scientists .

É" mpq y" vj cv" egnu" ctg" vj g" dcuke" uvtwevwtgu" qh" cmn"  
nkxkp i" vj kpi u" cpf" j cxg" urgekcnk | g f" rctvu" vj cv"  
r gthqt o" urgek l e" hwpevkqpu . "cpf" vj cv" xktwugu" ctg"  
different from cells and have different properties  
cpf" hwpevkqpu" d { "kf gpvkh { kpi" vj g" rctvu" qh"  
r tqmct { qvke" cpf" gwmct { qvke" egnu = "kpxguvki cvkpi"  
cpf" kf gpvkh { kpi" egmwnct" r tqeguugu" kpenwfkpi"  
j q o gquvcuku . "rgt o gedknk { . "gpgt i { " r tqf wevkqp ."  
transportation of molecules, disposal of wastes,  
function of cellular parts, and synthesis of  
pg y" o qngewngu = "eq o rctkpi" vj g" uvtwevwtgu" cpf"  
hwpevkqpu" qh" xktwugu" vq" egnu" cpf" f guetkdkp i"  
vj g" tqng" qh" xktwugu" kp" ecwukpi" f kugcugu" cpf"  
eqp fkvkqpu = "cpf" kf gpvkh { kpi" cpf" f guetkdkp i"  
vj g" tqng" qh" dcevgtkc" kp" o ckpvckkpi" j gcnv j" cpf"  
ecwukpi" f kugcugu

É" mpq y" j q y" cp" qt i cpku o" i tq y u" cpf" j q y"  
urgekcnk | g f" egnu . "vkuuwgu . "cpf" qt i cpu" f gxgnqr"  
d { "eq o rctkpi" egnu" htq o" f khhtgtpv" rctvu" qh"  
rncpvu" cpf" cpk o cnu" kpenwfkpi" tqqu . "uvg o u ."  
leaves, epithelia, muscles, and bones to show  
urgekcnk | cvkqp" qh" uvtwevwtg" cpf" hwpevkqp = "  
kf gpvkh { kpi" egm" f khhtgtpvkvkqp" kp" vj g"  
f gxgnqr o gpv" qh" qt i cpku o u = "cpf" ugs wgppekpi" vj g"  
ngxgnu" qh" qt i cpk | cvkqp" kp" o wnvkegnwnct" qt i cpku o u"  
vq" tgnvcvg" vj g" rctvu" vq" gcej" qv j gt" cpf" vq" vj g" y j qng = "

É" mpq y" vj g" uvtwevwtgu" cpf" hwpevkqpu" qh" pwengke"  
cekf u" kp" vj g" o ge j cpku o u" qh" i gpgvkeu" d { "  
f guetkdkp i" eq o r qpgpvu" qh" f gqz { tkdqp wengke"  
cekf \* FPC+ . "cpf" kmmwvutcvkpi" j q y" kphqt o cvkqp"  
hqt" urgek h { kpi" vj g" vtckvu" qh" cp" qt i cpku o "ku"  
ecttkgf" kp" vj g" FPC = "gz rncpkpi" tgr nkecvkqp ."  
vtcpuetkrvkqp . "cpf" vtcpuvkvkqp" wukpi" o qf gnu" qh"  
FPC" cpf" tkdqp wengke" cekf \* TPC+ = "kf gpvkh { kpi"  
cpf" kmmwvutcvkpi" j q y" e j cpi gu" kp" FPC" ecwug"  
o wvcvkqpu" cpf" gxcnwcvkpi" vj g" uk i pk l e cpeg" qh"  
vj g" e j cpi gu = "eq o rctkpi" i gpgvke" xctkcvkqpu"

qdugt xgf" kp" rncpvu" cpf" cpk o cnu = "eq o rctkpi"  
the processes of mitosis and meiosis and their  
uk i pk l e cpeg" vq" ugzwcn" cpf" cugzwcn" tgr tq f wevkqp = "  
cpf" kf gpvkh { kpi" cpf" cpcn { | kpi" mct { qv { r gu

É" mpq y" vj g" vj gqt { "qh" dkqng i kecn" gxqnwvkqp" d { "  
kf gpvkh { kpi" gxkf gpeg" qh" e j cpi g" kp" urgekku" wukpi"  
hquuknu . "FPC" ugs wgpegu . "cpcvq o kecn" uk o knctkvkgu ."  
r j { ukqng i kecn" uk o knctkvkgu . "cpf" g o dt { qng i { = "  
cpf" kmmwvutcvkpi" vj g" tguwvnu" qh" pcvwtcn" ugngevkqp"  
kp" urgekcvkqp . "fkxgtukv { . "r j { nq i gp { . "c f r cvkqp ."  
behavior, and extinction .

É" mpq y" c r r nkecvkqpu" qh" vczqp q o { "cpf" ecp" kf gpvkh { "  
kvu" nk o kvcvkqpu" d { "eqmgevkpi" cpf" encuukh { kpi"  
qt i cpku o u" cv" ug xgtcn" vczqp q o ke" ngxgnu" wukpi"  
fke j qvq o qwu" mg { u = "cpcn { | kpi" tgnvcvkqpu" j kru"  
c o qp i" qt i cpku o u" cpf" f gxgnqr kpi" c" o qf gn" qh"  
c" j kgtcte j kecn" encuuk l e cvkqp" u { uvg o "dcugf" qp"  
uk o knctkvkgu" cpf" f khhtgtpegu" wukpi" vczqp q o ke"  
pq o gpencvwtg = "cpf" kf gpvkh { kpi" e j ctcevgtkvku" qh"  
mkp i f q o u" kpenwfkpi" o qpgtcpu . "r tqvkuvu . "hwpi k ."  
plants, and animals .

É" mpq y" o gvcdqnke" r tqeguugu" cpf" gpgt i { "vtcpuhgtu"  
vj cv" qeewt" kp" nkxkp i" qt i cpku o u" d { "eq o rctkpi"  
the structures and functions of different types  
qh" dkq o qngewngu = "eq o rctkpi" vj g" gpgt i { "Eq y" kp"  
r j qvqu { pv j guku" vq" vj g" gpgt i { "Eq y" kp" egmwnct"  
tgu rktcvkqp = "kpxguvki cvkpi" cpf" kf gpvkh { kpi" vj g"  
ghhgevu" qh" gp | { o gu" qp" hqqf" o qngewngu = "cpf"  
cpcn { | kpi" vj g" Eq y" qh" o cvwtg" cpf" gpgt i { "vj tqw i j"  
f khhtgtpv" vtqr j ke" ngxgnu" cpf" dg v y ggp" qt i cpku o u"  
and the physical environment .

É" mpq y" vj cv . "cv" cmn" ngxgnu" qh" pcvwtg . "nkxkp i" u { uvg o u"  
ctg" hqwpf" y kv j kp" qv j gt" nkxkp i" u { uvg o u . "gcej" y kv j"  
kvu" q y p" dqwp fct { "cpf" nk o kvu" d { "kpvgt r tgvkpi"  
vj g" hwpevkqpu" qh" u { uvg o u" kp" qt i cpku o u"  
kpenwfkpi" ektewncvt { . "fk i guvkg . "pgtxqwu ."  
gp f qetkpg . "tgr tq f wevkxg . "kpvgi w o gpvct { . "  
umngvcn . "tgu rktcvqt { . "o wuewnct . "gz etgvqt { . "cpf"  
k o o wpg = "eq o rctkpi" vj g" kpvgt tgnvcvkqpu" j kru" qh"  
qt i cp" u { uvg o u" vq" gcej" qv j gt" cpf" vq" vj g" dqf { "  
cu" c" y j qng = "cpf" cpcn { | kpi" cpf" kf gpvkh { kpi"  
characteristics of plant systems and subsystems .

É" mpq y" vj cv" qt i cpku o u" o ckpvckp" j q o gquvcuku" d { "  
kf gpvkh { kpi" cpf" f guetkdkp i" vj g" tgnvcvkqpu" j kru"  
dg v y ggp" kpvgtpcn" hgg f dcem" o ge j cpku o u" kp" vj g"  
o ckpvgepeg" qh" j q o gquvcuku = "kpxguvki cvkpi"  
cpf" kf gpvkh { kpi" j q y" qt i cpku o u . "kpenwfkpi"  
j w o cpu . "tgu r qf" vq" gzvgtpcn" uvk o wnk = "cpcn { | kpi"  
the importance of nutrition, environmental  
eqp fkvkqpu . "cpf" r j { ukecn" gzetkug" qp" j gcnv j = "

cpf"uw o o ctk |kpi "vjg"tqng"qh" o ketqqt i cpku o u" kp" o ckpvckpki "cpf" fkuwrvkpi "gswnkndtkw o " kpenwfkpi "fkugcug"kp" rncpvu"cpf" fgec { "kp"cp" ecosystem.

É"mpqy "vjcv"kpvgfgrgpfgpeg"cpf"kpvgtecvkqpu" qeewt"ykvj"kp"cp"gequ { uvgo "d { "cpcn { |kpi " vjg"Æqy "qh"gpgti { "vjgtqwi j"xctkqwu"e { engu" kpenwfkpi "vjg"ectdqp."qz { igp."pkvtqigp."cpf" ycvgt"e { engu="kpvgtrtgvpki "kpvgtecvkqpu" c o qpi " qti cpku o u"gzjkdvkpi "rtgf cvkqp."rctcukvu o ." eq o o gpucnku o ."cpf" o wwncku o ="eq o rctkpi " variations, tolerances, and adaptations of plants cpf"cpk o cnu"kp"fkhhgtgvp"dkq o gu="kfgpvkh {kpi "cpf" kmwuvtecvkpi "vjcv"nqpi /vgt o "uwtxkxcn"qh"urgekpu" is dependent on a resource base that may be nk o kvgf="cpf"kpvguvki cvkpi "cpf"gzrncpki "vjg" kpvgtecvkqpu"kp"cp"gequ { uvgo "kpenwfkpi "hqgf" chains, food webs, and food pyramids.

É"mpqy "vjg"uki pk { ecepeg"qh" rncpvu"kp"vjg" gpixtqp o gpv" d { "gxcnvcvkpi "vjg"uki pk { ecepeg" qh"uvtwevtcn"cpf" rj { ukqng i kecn"cfrcvcvkqpu"qh" rncpvu"vq"vjgkt"gpixtqp o gpv="cpf"uwtxg {kpi "cpf" kfgpvkh {kpi " o gvjqfu"qh"tgrtqfwewkqp." i tqy vj." and development of various types of plants.

Chemistry

Students are expected to:

É"eqpfwev" {gnf"cpf"ncdqtcvqt { "kpxguvki cvkqpu" wukpi "uchg."gpixtqp o gpv"cn { "cr rtrtkcvg." and ethical practices for at least 40 percent qh"vjgkt"kpuvtevkqpcn"vk o g" d { "fg o qpuvtevkpi " uchg" r tceveku"fwtkpi "ncdqtcvqt { "cpf" {gnf" kpxguvki cvkqpu="cpf" o cmkpi "y kug"ejqkegu"kp" the use and conservation of resources and the fkurqucn"qt"tge {enkpi "qh" o cvgtkcnu}

É"wug"uekgpvk {e" o gvjqfu"fwtkpi " {gnf"cpf" ncdqtcvqt { "kpxguvki cvkqpu" d { "rncppki "cpf" k o rng o gpvkpi "kpxguvki cvkxg"rtqegfwtg" kpenwfkpi "cumkpi "swguvkqpu."hqt o wncvkpi " vguvcdng"j { rrvjgugu."cpf"ugngevkpi "gswkr o gpv" cpf"vgejqnqi {="eqnngcvkpi "fcvc"cpf"qdugtxkpi " cpf"" o gcuwtkpi "ykvj"rtgekukqp="gzrtguukpi " cpf" o cprwncvkpi "ejg o kecn"swcpvkvkqpu"wukpi " uekgpvk {e"eqpxgvpvkqpu"cpf" o cvjg o cvkecn" rtqegfwtg="qt i cpk |kpi ."cpcn { |kpi ."gxcnvcvkpi ." o cmkpi "kphgtgpegu."cpf"rtgfkevkpi "vtgpfu"htq o " fcvc="cpf"eq o o wpkecvkpi "xcnkf"eqpenwukqpu}

É"wug"etkvecn"vj kpmkpi "cpf"uekgpvk {e"rtqng o " uqnxkpi "vq" o cmg"kphqt o gf" fgekukqpu" d { " cpcn { |kpi ."tgxkg ykpi ."cpf"etkvsvkpi "uekgpvk {e" gzrncpvcvkqpu."kpenwfkpi "j { rrvjgugu"cpf" vjgqtkgu."cu"vq"vjgkt"uvtgpi vju"cpf" y gcmppguugu" wukpi "uekgpvk {e"gxkf gpeg"cpf" kphqt o cvkqp=" o cmkpi "tgu rrpukdng"ejqkegu"kp"ugngevkpi " gxgt { fc { "rtqfwewu"cpf"ugtxkegu" wukpi "uekgpvk {e" kphqt o cvkqp="gxcnvcvkpi "vjg" k o rcev"qh" tgugcte j "qp"uekgpvk {e"vjqwi jv."uqekgv {."cpf"vjg" gpixtqp o gpv="fguetkdkpi "vjg"eqppgcvkqp"dgvyggp" e jg o kuvt { "cpf"hwvtg"ectggtu="cpf"tgugcte jkpi " cpf"fguetkdkpi "vjg"jkuvqt { "qh"ejg o kuvt { "cpf" contributions of scientists.

É"mpqy u"vjg"ejctcevtkuvkeu"qh" o cvgt" d { " fkhhgtgvpvkcvkpi "dgvyggp"rj { ukecn"cpf"ejg o kecn" rtrgvtkgu"qh" o cvgt="cpcn { |kpi "gzc o rngu"qh" uqnfu."nswkfu."cpf" i cugu"vq"fgvgt o kpg"vjgkt" compressibility, structure, motion of particles, u j crg."cpf"xqno g="kpxguvki cvkpi "cpf"kfgpvkh {kpi " rtrgvtkgu"qh" o kzvwtgu"cpf" rwtg"uwduvcegu=" cpf"fguetkdkpi "vjg"rj { ukecn"cpf"ejg o kecn" e jctcevtkuvkeu"qh"cp"ngg o gpv" wukpi "vjg" rgtkqfke" vcdng"cpf" o cmkpi "kphgtgpegu"cdqvw"kvu"ejg o kecn" behavior.

É"mpqy "vjcv"gpgti { "vtcpuhqt o cvkqpu"qeewt"fwtkpi " rj { ukecn"qt"ejg o kecn"ejcpigu"kp" o cvgt" d { " kfgpvkh {kpi "ejcpigu"kp" o cvgt."fgvgt o kpkpi "vjg" pcvwtg"qh"vjg"ejcpig."cpf"gzc o kpkpi "vjg" hqt o u" qh"gpgti { "kpxqnxgf="kfgpvkh {kpi "cpf" o gcuwtkpi " gpgti { "vtcpuhqt o cvkqpu"cpf" gzejcpigu" kpxqnxgf" kp"ejg o kecn"tgcevkqpu="cpf" o gcuwtkpi "vjg" ghhgevu"qh"vjg" i ckp"qt"nquu"qh" jgcv"gpgti { "qp"vjg" rtrgvtkgu"qh"uqnfu."nswkfu."cpf" i cugu}

É"mpqy "vjcv"cvq o ke"uvtwevtg"ku"fgvgt o kpgf" d { " nuclear composition, allowable electron cloud, cpf"uwdcvq o ke"rctvkengu" d { "fguetkdkpi "vjg" gzkuvpeg"cpf" rtrgvtkgu"qh"uwdcvq o ke"rctvkengu=" cpcn { |kpi "uvcdng"cpf"wpuvcdng"kuqvrgu"qh"cp" element to determine the relationship between vjg"kuqvrgu"uvcdnk { "cpf"kvu"cr rnkcevkqp="cpf" uw o o ctk |kpi "vjg"jkuvtkecn"fgxngq r o gpv"qh" the periodic table to understand the concept of periodicity.

É"mpqy "vjg"xctkcdngu"vjcv"kpÆwpeg"vjg"dgjcxkqt" qh" i cugu" d { "fguetkdkpi "kpvgttgncvkqpu"jkruc o qpi " temperature, particle number, pressure, and xqno g"qh" i cugu"eqpvckpgf" ykvj"kp" c"enqugf" u { uvgo ="cpf"kmwuvtecvkpi "vjg"fcvc"qdvckpgf"htq o " kpxguvki cvkqpu" ykvj" i cugu"kp" c"enqugf" u { uvgo " and determine if the data are consistent with the Universal Gas Law.

É"mpqy "j qy"cvq o u"htq o "dqp fu"vq"ceswktg" c"  
uvcnng"cttcp i g o gpv"qh"gngevtqpu"d {"kf gpvkh {kpi"  
characteristics of atoms involved in chemical  
dqp fkp i="kpxguk i cvkpi "cpf"eq o rctkpi "v jg"  
physical and chemical properties of ionic  
cpf"eqxcngpv"eq o rwp fu="eq o rctkpi "v jg"  
cttcp i g o gpv"qh"cvq o u"kp" o qngewngu."kqpk e"  
et {uvcnu." rqn { o gtu."cpf" o gvcnmke"uwduvcpegu=" "  
cpf" fguetkdkpi "v jg"kp fwgpeg"qh"kpvg t o qngewnct"  
forces on the physical and chemical properties  
of covalent compounds.

É"mpqy "v jg" r t q e g u u g u . " g h h g e v u . " c p f " u k i p k f e c p e g " q h "  
pwengct" f u u k q p " c p f " p w e n g c t " h w u k q p " d { " e q o r c t k p i "  
f u u k q p " c p f " h w u k q p " t g c e v k q p u " k p " v g t o u " q h " v j g "  
masses of the reactants and products and  
v j g " c o q w p " q h " g p g t i { " t g n g c u g f " k p " v j g " p w e n g c t "  
t g c e v k q p u = " k p x g u k i c v k p i " t c f k q c e v k x g " g n g o g p v u " v q "  
f g v g t o k p g " j c n h / n k h g = " g x c n w c v k p i " v j g " e q o o g t e k c n "  
w u g " q h " p w e n g c t " g p g t i { " c p f " o g f k e c n " w u g u " q h "  
t c f k q k u q v r g u = " c p f " g x c n w c v k p i " g p x k t q p o g p v c n "  
k u u w g u " c u u q e k c v g f " y k v j " v j g " u v q t c i g . " e q p v c k p o g p v . "  
and disposal of nuclear wastes.

É"mpqy "eq o o qp" qz k f c v k q p / t g f w e v k q p " t g c e v k q p u " d { "  
k f g p v k h { k p i " q z k f c v k q p / t g f w e v k q p " r t q e g u u g u = " c p f "  
f g o q p u v t c v k p i " c p f " f q e w o g p v k p i " v j g " g h h g e v u " q h " c "  
e q t t q u k q p " r t q e g u u " c p f " g x c n w c v k p i " v j g " k o r q t v c p e g "  
q h " g n g e v t r n c v k p i " o g v c n u }

É"mpqy "v j c v" d n c p e g f " e j g o k e c n " g s w c v k q p u " c t g "  
used to interpret and describe the interactions  
q h " o c w g t " d { " k f g p v k h { k p i " e q o o q p " g n g o g p v u "  
c p f " e q o r q w p f u " w u k p i " u e k g p v k f e " p q o g p e n c v w t g = "  
f g o q p u v t c v k p i " v j g " w u g " q h " u { o d q n u . " h q t o w n c u . "  
c p f " g s w c v k q p u " k p " f g u e t k d k p i " k p v g t c e v k q p u " q h "  
o c v g t = " c p f " g z r n c k p k p i " c p f " d n c p e k p i " e j g o k e c n "  
c p f " p w e n g c t " g s w c v k q p u " w u k p i " p w o d g t " q h " c v q o u . "  
o c u u g u . " c p f " e j c t i g }

É"mpqy "v j g" h c e v q t u " v j c v " k p f w g p e g " v j g " u q n w d k n k v { "  
q h " u q n w v g u " k p " c " u q n x g p v " d { " f g o q p u v t c v k p i " c p f "  
g z r n c k p k p i " g h h g e v u " q h " v g o r g t c v w t g " c p f " v j g " p c v w t g "  
q h " u q n k f " u q n w v g u " q p " v j g " u q n w d k n k v { " q h " u q n k f u = "  
f g x g n q r k p i " i g p g t c n " t w n g u " h q t " u q n w d k n k v { " v j t q w i j "  
k p x g u k i c v k q p u " y k v j " c s w g q w u " u q n w k q p u = " c p f "  
g x c n w c v k p i " v j g " u k i p k f e c p e g " q h " y c v g t " c u " c " u q n x g p v "  
k p " n k x k p i " q t i c p k u o u " c p f " k p " v j g " g p x k t q p o g p v }

É"mpqy "t g n c v k q p u j k r u " c o q p i " v j g " e q p e g p v t c v k q p . "  
g n g e v t k e c n " e q p f w e v k x k v . " c p f " e q n k i c v k x g " r t q r g t v k g u "  
q h " c " u q n w k q p " d { " e q o r c t k p i " w p u c v w t c v g f . "  
u c v w t c v g f . " c p f " u w r g t u c v w t c v g f " u q n w k q p u = "  
k p v g t r t g v k p i " t g n c v k q p u j k r u " c o q p i " k q p k e " c p f "  
covalent compounds, electrical conductivity,  
c p f " e q n k i c v k x g " r t q r g t v k g u " q h " y c v g t = " c p f "

o g c u w t k p i " c p f " e q o r c t k p i " v j g " t c v g u " q h " t g c e v k q p "  
q h " c " u q n k f " t g c e v c p v " k p " u q n w k q p u " q h " x c t { k p i "  
concentration.

É"mpqy "v j g" r t q r g t v k g u " c p f " d g j c x k q t " q h " c e k f u " c p f "  
d c u g u " d { " c p c n { | k p i " c p f " o g c u w t k p i " e q o o q p "  
j q w u g j q n f " r t q f w e v u " w u k p i " c " x c t k g v { " q h " k p f k e c v q t u "  
v q " e n c u u k h { " v j g " r t q f w e v u " c u " c e k f u " c p f " d c u g u = "  
f g o q p u v t c v k p i " v j g " g n g e v t k e c n " e q p f w e v k x k v { " q h "  
c e k f u " c p f " d c u g u = " k f g p v k h { k p i " v j g " e j c t c e v g t k u v k e u "  
q h " c " p g w v t c n k | c v k q p " t g c e v k q p = " c p f " f g u e t k d k p i "  
g h h g e v u " q h " c e k f u " c p f " d c u g u " q p " c p " g e q n q i k e c n "  
system.

É"mpqy "h c e v q t u " k p x q n x g f " k p " e j g o k e c n " t g c e v k q p u "  
d { " x g t k h { k p i " v j g " n c y " q h " e q p u g t x c v k q p " q h " g p g t i { "  
d { " g x c n w c v k p i " v j g " g p g t i { " g z e j c p i g " v j c v " q e e w t u "  
c u " c " e q p u g s w g p e g " q h " c " e j g o k e c n " t g c e v k q p = " c p f "  
t g n c v k p i " v j g " t c v g " q h " c " e j g o k e c n " t g c e v k q p " v q "  
temperature, concentration, surface area, and  
presence of a catalyst.

### Physics

Students are expected to:

É"eqp f w e v " f g n f " c p f " n c d q t c v q t { " k p x g u k i c v k q p u "  
w u k p i " u c h g . " g p x k t q p o g p v c n n { " c r r t q r t k c v g . "  
and ethical practices for at least 40 percent  
q h " v j g k t " k p u v t w e v k q p c n " v k o g " d { " f g o q p u v t c v k p i "  
u c h g " r t c e v k e g u " f w t k p i " n c d q t c v q t { " c p f " f g n f "  
k p x g u k i c v k q p u = " c p f " o c m k p i " y k u g " e j q k e g u " k p "  
the use and conservation of resources and the  
f k u r q u c n " q t " t g e { e n k p i " q h " o c v g t k c n u }

É" w u g " u e k g p v k f e " o g v j q f u " f w t k p i " f g n f " c p f "  
n c d q t c v q t { " k p x g u k i c v k q p u " d { " r n c p p k p i " c p f "  
k o r n g o g p v k p i " g z r g t k o g p v c n " r t q e g f w t g u "  
k p e n w f k p i " c u m k p i " s w g u v k q p u . " h q t o w n c v k p i " v g u v c d n g "  
j j { r q v j g u g u . " c p f " u g n g e v k p i " g s w k r o g p v " c p f "  
v g e j p q n q i { = " o c m k p i " s w c p v k v c k x g " q d u g t x c v k q p u "  
c p f " o g c u w t g o g p v u " y k v j " r t g e k u k q p = " q t i c p k | k p i . "  
c p c n { | k p i . " g x c n w c v k p i . " o c m k p i " k p h g t g p e g u . " c p f "  
r t g f k e v k p i " v t g p f u " h t q o " f c v c = " e q o o w p k e c v k p i "  
x c n k f " e q p e n w u k q p u = " t c r j k p i " f c v c " v q " q d u g t x g " c p f "  
k f g p v k h { " t g n c v k q p u j k r u " d g v y g g p " x c t k c d n g u = " c p f "  
t g c f k p i " v j g " u e c n g " q p " u e k g p v k f e " k p u v t w o g p v u " y k v j "  
precision.

É" w u g " e t k v k e c n " v j k p m k p i " c p f " u e k g p v k f e " r t q d n g o "  
u q n x k p i " v q " o c m g " k p h q t o g f " f g e k u k q p u " d { "  
c p c n { | k p i . " t g x k g y k p i . " c p f " e t k v k s w k p i " u e k g p v k f e "  
g z r n c p c v k q p u . " k p e n w f k p i " j j { r q v j g u g u " c p f " v j g q t k g u . "  
c u " v q " v j g k t " u v t g p i v j u " c p f " y g c m p p u g u " w u k p i "  
u e k g p v k f e " g x k f g p e g " c p f " k p h q t o c v k q p = " g z r t g u u k p i "  
n c y u " u { o d q n k e c n n { " c p f " g o r n q { k p i " o c v j g o c v k e c n "

r tqeg fwtgu "kpenw fkp i "xgevt" c f fkvkqp" c p f"  
 t k i j v / v t k c p i n g" i g q o g v t { " v q" u q n x g" r j { u k e c n"  
 r t q d n g o u = " g x c n w c v k p i " v j g" k o r c e v" q h" t g u g c t e j" q p"  
 u e k g p v k f e" v j q w i j v." u q e k g v { " c p f" v j g" g p x k t q p o g p v ="  
 f g u e t k d k p i " v j g" e q p p g e v k q p" d g v y g g p" r j { u k e u" c p f"  
 h w w w t g" e c t g t u = " c p f" t g u g c t e j k p i " c p f" f g u e t k d k p i "  
 the history of physics and contributions of  
 scientists.

É" m p q y " v j g" n c y u" i q x g t p k p i " o q v k q p" d { " i g p g t c v k p i "  
 c p f" k p v g t r t g v k p i " i t c r j u" f g u e t k d k p i " o q v k q p"  
 k p e n w f k p i " v j g" w u g" q h" t g c n / v k o g" v g e j p q n q i { = "  
 c p c n { | k p i " g z c o r n g u" q h" w p k h q t o " c p f" c e e g n g t c v g f"  
 o q v k q p" k p e n w f k p i " n k p g c t." r t q l g e v k n g." c p f" e k t e w n c t = "  
 f g o q p u v t c v k p i " v j g" g h h g e v u" q h" h q t e g u" q p" v j g"  
 o q v k q p" q h" q d l g e v u = " f g x g n q r k p i " c p f" k p v g t r t g v k p i "  
 c" h t g g / d q f { " f k c i t c o" h q t" h q t e g" c p c n { u k u = " c p f"  
 k f g p v k h { k p i " c p f" f g u e t k d k p i " o q v k q p" t g n c v k x g" v q"  
 different frames of reference.

É" m p q y " v j c v" e j c p i g u" q e e w t" y k v j k p" c" r j { u k e c n"  
 u { u v g o" c p f" t g e q i p k | g" v j c v" g p g t i { " c p f"  
 o q o g p v w o" c t g" e q p u g t x g f" d { " k p v g t r t g v k p i "  
 g x k f g p e g" h q t" v j g" y q t m / g p g t i { " v j g q t g o = "  
 q d u g t x k p i " c p f" f g u e t k d k p i " g z c o r n g u" q h" m k p g v k e"  
 c p f" r q v g p v k c n" g p g t i { " c p f" v j g k t" v t c p u h q t o c v k q p u = "  
 e c n e w n c v k p i " v j g" o g e j c p k e c n" g p g t i { " c p f"  
 o q o g p v w o" k p" c" r j { u k e c n" u { u v g o = " c p f"  
 f g o q p u v t c v k p i " v j g" e q p u g t x c v k q p" q h" g p g t i { " c p f"  
 momentum.

É" m p q y " h q t e g u" k p" p c v w t g" d { " k f g p v k h { k p i " v j g"  
 k p f e w g p e g" q h" o c u u" c p f" f k u v c p e g" q p" i t c x k v c v k q p c n"  
 h q t e g u = " t g u g c t e j k p i " c p f" f g u e t k d k p i " v j g" j k u v q t k e c n"  
 f g x g n q r o g p v" q h" v j g" e q p e g r v u" q h" i t c x k v c v k q p c n."  
 g n g e v t k e c n." c p f" o c i p g v k e" h q t e g = " k f g p v k h { k p i "  
 c p f" c p c n { | k p i " v j g" k p f e w g p e g u" q h" e j c t i g" c p f"  
 f k u v c p e g" q p" g n g e v t k e" h q t e g u = " f g o q p u v t c v k p i " v j g"  
 t g n c v k q p u j k r" d g v y g g p" g n g e v t k e v { " c p f" o c i p g v k u o = "  
 f g u k i p k p i " c p f" c p c n { | k p i " g n g e v t k e" e k t e w k v u = " c p f"  
 k f g p v k h { k p i " g z c o r n g u" q h" g n g e v t k e c n" c p f" o c i p g v k e"  
 forces in everyday life.

É" m p q y " n c y u" q h" v j g t o q f { p c o k e u" d { " c p c n { | k p i " c p f"  
 g z r n c k p k p i " g x g t { f c { " g z c o r n g u" v j c v" k m w u v t c v g"  
 v j g" n c y u" q h" v j g t o q f { p c o k e u = " c p f" g x c n w c v k p i "  
 f k h h g t g p v" o g v j q f u" q h" j g c v" g p g t i { " v t c p u h g t" v j c v"  
 t g u w n v" k p" c p" k p e t g c u k p i " c o q w p v" q h" f k u a t f g t l

É" m p q y " v j g" e j c t c e v g t k u v k e u" c p f" d g j c x k q t" q h" y c x g u"  
 d { " g z c o k p k p i " c p f" f g u e t k d k p i " c" x c t k g v { " q h" y c x g u"  
 r t q r c i c v g f" k p" x c t k q w u" v { r g u" q h" o g f k c" c p f"  
 f g u e t k d k p i " y c x g" e j c t c e v g t k u v k e u" c p f" d g j c x k q t u = "  
 k f g p v k h { k p i " v j g" e j c t c e v g t k u v k e u" c p f" d g j c x k q t u"  
 q h" u q w p f" c p f" g n g e v t q o c i p g v k e" y c x g u = " c p f"  
 k p v g t r t g v k p i " v j g" t q n g" q h" y c x g" e j c t c e v g t k u v k e u" c p f"  
 behaviors found in medicinal and industrial  
 applications.

É" m p q y " u k o r n g" g z c o r n g u" q h" s w c p v w o" r j { u k e u"  
 d { " f g u e t k d k p i " v j g" r j q v q g n g e v t k e" g h h g e v = " c p f"  
 g z r n c k p k p i " v j g" n k p g" u r g e v t c" h t q o" f k h h g t g p v" i c u /  
 f k u e j c t i g" v w d g u l

# TEXAS ACCESSIBILITY STANDARDS (TAS)

## Vgzcu" Fgrctv o gpv"qh" Nkegpukpi "cpf" Tgi wncvkqp" Architectural Barriers Act Article 9102, Texas Civil Statutes

1.	Purpose, Authority, Application.
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**303** Rwt rqug" V jku" fqew o gpv" ugvu" uvcpfctfu" hqt" ceeguokdknv{ "vq<" rwdnke" dwknfkpi u" cpf" hceknkvkgu=" rtkxcvgn{ " qy ppgf" dwknfkpi u" cpf" hceknkvkgu" ngcugf" qt" qeewrkgf" d{ " uvcvg" ci gpekgu=" rncegu" qh" rwdnke" ceeq o o qfcvkqp=" cpf" eq o o gtekn" hceknkvkgu" d{ " kp fkkfwcnu" y kvj" fkucdknkvgu" Uwdlgev" dwknfkpi u" cpf" hceknkvkgu" ctg" cfftgugf" kp" o qtg" fgvcn" kp" Twng" 8 : 0430" V jgug" uvcpfctfu" ctg" vq" dg" cr rnkgtf" fwtkpi" vjg" fgukip. eqpuvtwevkqp. cpf" cmygtcvkqp" qh" uwe j" dwknfkpi u" cpf" hceknkvkgu" vq" vjg" gzvpgv" tgswtgtf" d{ " tgi wncvkqp" kuuwgf" d{ " vjg" Vgzcu" Fgrctv o gpv" qh" Nkegpukpi " cpf" Tgi wncvkqp. wpgft" vjg" Cte jkvevwtcn" Dcttktgu" Cev. " eqfk l g f" cu" Ctvkeng" ; 324. " Vgzcu" Ekxkn" Statutes.

These standards closely follow the Americans with Disabilities Act Accessibility Guidelines (ADAAG), cpf" ctg" kpvgpfgf" vq" hceknkvkgu" gswxcngpe{ " egtvk l ecvkqp" qh" vjg" uvcvg" rtqitc o " hqt" vjg" gnk o kpcvkqp" qh" architectural barriers by the United States Department of Justice by:

Dtkpikpi" vjg" uvcvg" Cte jkvevwtcn" Dcttktgu" Cev" kpvg" cnk i p o gpv" y kvj" vjg" ueqrkpi" tgswtgt o gpvu" qh" vjg" C o gtkcepu" y kvj" Fkucdknkvgu" Cev" \*CFC+. \*R" N0" 323/558+0"

- Gzrcpfkpi" CFCCI" y kvj" cf fkvkqpcn" uvcvg" ueqrkpi" tgswtgt o gpvu" cpf" uvcpfctfu"
- Gpeqwtckpi" eq o rnkpeg" d{ " wukpi" eq o o qp" uvcpfctfu"
- Urrggfkipi" vjg" fkuug o kpcvkqp" qh" tgswtgtf" uvcpfctfu" vq" qy pgtu. " fgukip" r tqhguakpccnu. " cpf" tgnvcvgf" wugt" " " " i tqwru"

Uq o g" qh" vjg" kmmwuvtkvqp" cpf" vgzv" qh" CPUK" C33903/3 ; : 2. " cpf" CPUK" C33903/3 ; : 8. " ctg" kpenwfgf" kp" vjku" fqew o gpv" cpf" ctg" tgrtqfwegf" y kvj" rgt o kuukqp" htq o " vjg" C o gtkcecp" Pcvkqpcn" Uvcpfctfu" Kpuvkvwg" Eqrkgu" qh" vjgug" uvcpfctfu" o c{ " dg" rwtjcu" htq o " vjg" C o gtkcecp" Pcvkqpcn" Uvcpfctfu" Kpuvkvwg" cv" 33" Yguv" 64pf" Uvtggv. " Pgy" [ qtm. " Pgy" [ qtm" 322580

**1.2 Authority.** Ugevkqp" 7\*e+. " Ctvkeng" ; 324. " Vgzcu" Ekxkn" Uvcvngu. " tgswtgtu" vjg" eq o o kuukqpgt" vq" cf qrv" uvcpfctfu" cpf" urgek l ecvkqp" vjcv" ctg" eqpukvpgv" kp" ghgevg" vq" vjgug" cf qrv" d{ " vjg" C o gtkcecp" Pcvkqpcn" Uvcpfctfu" Kpuvkvwg. " Kpe" \*CPUK+. " qt" kvu" hgfgtcn" { " tgeq i pk | g f" uweeguut" kp" hwpevkqp" Ugevkqp" 7\*e+ " cnuq" tgswtgtu" cf qrv" uvcpfctfu" cpf" urgek l ecvkqp" dg" eqpukvpgv" vq" vjgug" cf qrv" wpgft" hgfgtcn" nc y" V jgug" uvcpfctfu. " kpenwfkpi" vjg" cr rpgfkz. " ctg" kpvgpfgf" vq" dg" eqpukvpgv" vq" vjgug" eqpvkpgf" kp" CFCCI. " cpf" ctg" igpgtcn{ " vjg" uc o g" cu" ADAAG except as noted by italics.

### 305" Cr rnkcevkqp

30503" Okpkowo" Tgswtgt o gpvu" V jg" uvcpfctfu" eqpvkpgf" kp" vjku" fqew o gpv" ujcmm" dg" eqpukfgtgf" vjg" okpkowo" tgswtgt o gpvu" hqt" eq o rn{ kpi" y kvj" vjg" kpvgpv" qh" Ctvkeng" ; 324. " Vgzcu" Ekxkn" Uvcvngu" V jg{ " ctg" eq o o qp" vq" cmm" urcegu" cpf" gng o gpvu" qh" dwknfkpi u" cpf" hceknkvkgu" eqpuvtwevgf" qp" qt" chvgt" Cr tkn" 3. 3 ; ; 6. " cpf" ujcmm" jcxg" dqvj" kpvgtkqt" cpf" gzvgtkt" cr rnkcevkqp" kv" ku" pqv" vjg" kpvgpv" qh" vjgug" uvcpfctfu" vq" rtqjkdkv" qt" fkuqwtcig" vjg" fgxgnqr o gpv" cpf" wug" qh" ukvgu" y kvj" gzvgt o g" eqpfkvkpu" J qy gxt. " gzeccvkqp" qt" qvgt" ukvg" o qfk l ecvkqp. " even contrary to natural terrain, may be necessary to comply with the intent of the law.

30504" Gswcn" Ceegu" V jg" cr rnkcevkqp" qh" vjgug" uvcpfctfu" ku" vq" hwtvgt" vjg" eqpegrv" qh" gswcn" vtgc v o gpv" hqt" people with disabilities to the maximum extent possible and reasonable.

2.	General.
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**403**Rtqxkukqpu"ht"Cfwnvu"cpf"Ejknftgp"Vjg"urgekIecvkqpu"kp"CFCCI , "ctg"dcugf"wrqp"cfwnv"fk o gpukqpu" cpf"cpvj tqrq o gvtkeu"cpf"fq"pqv"ugv"qww"cfwuwgf"urgekIecvkqpu"uwkcdng"ht"ejknftgp"Uq o g"qh"vjg" urgekIecvkqpu"eqpvckpgf"kp"vjgug"uvcfctfu"jcxg"dggp"fgtkxgf"htq o "jw o cp"fcvc"tgncvkg"vq"ejknftgp"dgyggp" vjg"ci gu"qh"hwqt"cpf"37"cpf"ctg"rtgugpvgf"kp"40303"d{"ci g"cpf"uejqn"i tcf g"ecvg i qtkgu0

**40303**"Oqwpvki"Jgkijvu"ht"Cfwnvu"cpf"Ejknftgp"Kp"cf fkvkqp"vq"vjg" o kpk o w o "tgswtg o gpvu"qh"603." y jgp" ejknftgp"wpfgt"jki j"uejqn"ci g"\*v{ rkecn{"36"qt"37+"ctg"vjg"rtk o ct{"wugtu"qh" c"dwkfkpi"qt"hcckkv{"\*uwe j" cu"fc{"ectg"egpvgtu."gng o gpvct{"uejqn."ejknftgp" o wugw o u"qt"ejknftgp"ctgcu"qh" o wugw o u."ejknftgp" tgc fpi"tqq o u"kp"nkdctkgu."gvel" o qwpvki"jgkijvu"cpf"tcej /tcp i gu"qh"xctkqwu"ng o gpvu."I zwtgu."cpf" gswkr o gpv."ujcn"dg"cfwuwgf"vq" o ggv"vjg"pggf"u"qh"vjg"cr rtrtkcvg"ci g"i tqwr0"Vjg"ng o gpvu."I zwtgu"cpf" gswkr o gpv"nkuvgf"kp"vjg"vcdng"dgny"ujcn"eq o rn{"ykvj"vjg"eqttgurqfpi"tgswtg o gpvu0"Y jgp"hcckkvkgu" ugtxg"ejknftgp"wpfgt"vjg"ci g"qh"hwqt."vjg"nq y gt"fk o gpukqpu"nkuvgf"ujcn"dg"uwgf0

GZEGRVKQP<"Kp"hcckkvkgu"ugtxki"ejknftgp"wpfgt"vjg"ci g"qh"hwqt." y cvgt"enqugv"ugcv"jgkijvu" o c{"dg"nq y gt" vjcp"36:"dvw"pqv"jki jgt"vjcp"37:0

	Cigu"6"vjtw"32"qt"33 I tcfgu<"Rtg/M"vjtw"7"qt"8	Cigu"33"vjtw"36"qt"37 I tcfgu<"8"vjtw": "qt";
<b>Tgcej"Tcpigu</b> Frontal Approach Side Approach	42" maximum 48" maximum	45" maximum 51" maximum
<b>Te o ru"cpf"Uvktu</b> " Vqr"qh"Jcpftckn" I tkr rki"Uwthceg	28"–34"	30"–34"
<b>Elevators</b> Car Control Floor Buttons Frontal Approach Side Approach " G ogti gpe{"Eq o o wpkecvkqpu " " Jki jguv"Qrgtcdng"Rctv	42" maximum 48" maximum 42" maximum	45" maximum 51" maximum 45" maximum
<b>Rncvht o "Nkhvu"* Y jggnej ckt" Nkhvu+</b> Eqvqtqul"Qrgtckpi" Ogejc pku o u	28"–42"	28"–45"
<b>Ftkpki" Hqwpvckpu"cpf" Y cvgt"Eqqngtu</b> Frontal Approach " " Urqww" Jgkijv"*vq"qwwngv+ Knee Clearance Side Approach " " Urqww" Jgkijv"*vq"qwwngv+	32" maximum 26" minimum 32" maximum	34" maximum 27" minimum 34" maximum
<b>Y cvgt"Enqugvu</b> Top of Seat Grab Bars Flush Controls	14"–15" 28"–30" 42" maximum	15"–17" 30"–32" 44" maximum
<b>Urinals</b> " Tk o "qh"Dcukp Flush Controls	14" maximum 42" minimum	16" maximum 44" minimum

,C o gtkecpu" y kvj" Fkucdknkvgu" Cev" Ceeguukdkkv {" I wkfgnkpgu" \*CFCCI +

	<b>Cigu"6"vj tw"32"qt"33 I t e f g u &lt; " R t g / M " v j t w " 7 " q t " 8</b>	<b>Cigu"33"vj tw"36"qt"37 I t e f g u &lt; " 8 " v j t w " : " q t " ;</b>
<b>Nexevqtkgu"cpf"Ukpmu</b> " Tk o " q t " E q w p v g t " U w t h c e g Knee Clearance " V q " H c w e g v u " H t q o " H t q p v " G f i g	30" maximum 26" minimum 18" maximum	32" maximum 28" minimum 20" maximum
<b>Mirrors</b> " V q " D q w q o " q h " T g ( E g e v k x g " U w t h c e g	34" maximum	37" maximum
<b>Bathtubs</b> Top of Seat Grab Bars " J c p f " U j q y g t " J g c f " O q w p v k p i	14"–15" 28"–32" 42" maximum	15"–16" 30"–32" 45" maximum
<b>Shower Stalls</b> Top of Seat Grab Bars " J c p f " U j q y g t " J g c f " O q w p v k p i Frontal Approach Side Approach	14"–15" 28"–30" 42" maximum 48" maximum	15"–16" 30"–32" 45" maximum 51" maximum
<b>Uvqtcig</b> Frontal Approach Side Approach Distance From Wheelchair 0"–10" 10"–21"	42" maximum 48" maximum 42" maximum	45" maximum 51" maximum 45" maximum
<b>Eqpvtqnu"cpf"Qrgtevkpi"Ogejcpku o u</b> " J k i j g u v " Q r g t c d n g " R c t v Frontal Approach Side Approach	42" maximum 48" maximum	45" maximum 51" maximum
<b>Vgnrjppgu</b> " J k i j g u v " Q r g t c d n g " R c t v Frontal Approach Side Approach	42" maximum 48" maximum	45" maximum 51" maximum
<b>Hkzgf"qt"Dwknv/kp"Ugevkpi"cpf"Vedngu. Tgcfkpi"cpf"Uvwf{"Ctgeu."cpf"Yqtm"Uvevkppu</b> " J g k i j v " q h " V e d n g u " q t " E q w p v g t u Knee Clearances	28"–30" 26"	28"–32" 28"
<b>Ftguukpi"cpf"Hkvpki" Tqq o u</b> Top of Bench	14"–15"	15"–17"
<b>Hqqf"Ugtxkcg"Nkpgu</b> Top of Tray Slide	30" maximum	32" maximum

**40304"Okzgf"Wug"Dwnfkpiu"cpf"Hceknkvkgu.** Y j g p " v y q " c i g " i t q w r u " c t g " r t k o c t { " w u g t u " \* u e w j " c u " k p " G n g o g p / v e t { | O k f f n g " U e j q q n u " c p f " L w p k q t l U g p k q t " J k i j " U e j q q n u + " q t " y j g p " h c e k n k v k g u " c t g " k p v p f g f " h q t " w u g " d { " x c t k q w u " c i g " i t q w r u " c p f " j c x g " p q " e j c t c e v g t k u v k e u " v j c v " t g ( E g e v " c " r t g f q o k p c p v " c i g " i t q w r " \* u e w j " c u " e q o o w p k v { " u y k o o k p i " r q q n u " c p f " c o w u g o g p v " r c t m u + " o q w p v k p i " j g k i j v u " u j c m " d g " f g v g t o k p g f " q p " c " e c u g / d { / e c u g " d c u k u 0 " E q p v c e v " v j g " c o m m i s s i o n f o r a d d i t i o n a l i n f o r m a t i o n a n d a s s i s t a n c e .

**404,"Gswkxengpv"Hceknkvckpp.** With the approval of the commissioner in accordance with the variance r t q e g f w t g u " e q p v c k p g f " k p " T w n g " 8 : 0 5 3 . " f g r c t v w t g u " h t q o " r c t v k e w n c t " v g e j p k e c n " c p f " u e q r k p i " t g s w k t g o g p v u " q h " v j k u " u w p f c t f " d { " w u k p i " q v j g t " f g u k i p u " c p f " v g e j p q n q i k g u " o c { " d g " r g t o k w g f " y j g t g " v j g " c n v g t p c v k x g " f g u k i p u " c p f " v g e j / p n q n i k g u " w u g f " y k n n " r t q x k f g " u w d u v c p v k c m { " g s w k x e n g p v " q t " i t g c v g t " c e e g u u " v q " c p f " w u c d k n v { " q h " v j g " h c e k n k v { 0

### 3.4 I gpgtcn"Vgt o k p q n q i {

50603"eq o r n { " y k v j 0 " O g g v " q p g " q t " o q t g " u r g e k f e c v k q p u " q h " v j g u g " u v c p f c t f u 0

50604"kh."0"0"0"v j g p 0 " F g p q v g u " c " u r g e k f e c v k q p " v j c v " c r r n k g u " q p n { " y j g p " v j g " e q p f k v k q p u " f g u e t k d g f " c t g " r t g u g p v 0

3.4.3 may. Denotes an option or alternative.

50606"u j c m n 0 " F g p q v g u " c " o c p f c v q t { " u r g e k f e c v k q p " q t " t g s w k t g o g p v 0

"50607"u j q w n f 0 " F g p q v g u " c p " c f x k u q t { " u r g e k f e c v k q p " q t " t g e q o o g p f c v k q p 0

### 3.5 F g f p k v k q p u

50703"Ceegu" Ckung 0 " Cp " ceeguukdng " r g f g u v t k c p " u r c e g " d g v y g g p " g n g o g p v u . " u w e j " c u " r c t m k p i " u r c e g u . " u g c v k p i . " c p f " f g u m u . " v j c v " r t q x k f g u " e n g t c p e g u " c r r t q r t k c v g " h q t " w u g " q h " v j g " g n g o g p v u 0

50704"Ceeguukdng 0 " F g u e t k d g u " c " u k v g . " d w k n f k p i . " h c e k n k v { . " q t " r q t v k q p " v j g t g q h " v j c v " e q o r n k g u " y k v j " v j g u g " u v c p f c t f u 0

50705"Ceeguukdng" Gng o g p v 0 " Cp " g n g o g p v " u r g e k f g f " d { " v j g u g " u v c p f c t f u " \* h q t " g z c o r n g . " v g n g r j q p g . " e q p v t q u . " c p f " v j g " n k m g + 0

50706"Ceeguukdng" Tqwg 0 " C " e q p v k p w q w u " w p q d u v t w e v g f " r c v j " e q p p g e v k p i " c n n " c e e g u u k d n g " g n g o g p v u " c p f " u r c e g u " q h " c " d w k n f k p i " q t " h c e k n k v { 0 " k p v g t k q t " c e e g u u k d n g " t q w v g u " o c { " k p e n w f g " e q t t k f q t u . " E q q t u . " t c o r u . " g n g x c v q t u . " n k h v u . " c p f " e n g t " E q q t " u r c e g " c v " f z v w t g u 0 " G z v g t k q t " c e e g u u k d n g " t q w v g u " o c { " k p e n w f g " r c t m k p i " c e e g u u " c k u n g u . " e w t d " t c o r u . " e t q u u y c m m u " c v " x g j k e w n c t " y c { u . " y c m m u . " t c o r u . " c p f " n k h v u 0

3.5.5 Accessible Space. Space that complies with these standards.

50708" C f c r v e d k n k v { 0 " V j g " c d k n k v { " q h " e g t v c k p " d w k n f k p i " u r c e g u " c p f " g n g o g p v u . " u w e j " c u " m k v e j g p " e q w p v g t u . " u k p m u . " c p f " i t c d " d c t u . " v q " d g " c f f g f " q t " c n v g t g f " u q " c u " v q " c e e q o o q f c v g " v j g " p g g f u " q h " k p f k x k f w c n u " y k v j " q t " y k v j q w v " f k u c d k n k v k g u " q t " v q " c e e q o o q f c v g " v j g " p g g f u " q h " r g t u a p u " y k v j " f k h h g t g p v " v { r g u " q t " f g i t g g u " q h " f k u c d k n k v { 0

50709" C f f k v k q p 0 " Cp " g z r c p u k q p . " g z v g p u k q p . " q t " k p e t g c u g " k p " v j g " i t q u u " E q q t " c t g c " q h " c " d w k n f k p i " q t " h c e k n k v { 0

5070 : " C f o k p k u v t c v k x g " C w v j q t k v { 0 " C " i q x g t p o g p v c n " c i g p e { " v j c v " c f q r v u " q t " g p h q t e g u " t g i w n c v k q p u " c p f " i w k f g n k p g u " h q t " v j g " f g u k i p . " e q p u v t w e v k q p . " q t " c n v g t c v k q p " q h " d w k n f k p i u " c p f " h c e k n k v k g u 0

5070 ; " C n v g t c v k q p 0 " Cp " c n v g t c v k q p " k u " c " e j c p i g " v q " c " d w k n f k p i " q t " h c e k n k v { " o c f g " d { . " q p " d g j c n h " q h . " q t " h q t " v j g " w u g " q h " c " r w d n k e " g p v k v { . " c " n g c u g " v q " q t " q e e w r c p e { " d { " c " u v c v g " c i g p e { . " c " r w d n k e " c e e q o o q f c v k q p " q t " e q o o g t e k c n " h c e k n k v { . " v j c v " c h h g e v u " q t " e q w n f " c h h g e v " v j g " w u c d k n k v { " q h " v j g " d w k n f k p i " q t " h c e k n k v { " q t " r c t v " v j g t g q h 0 " C n v g t c v k q p u " k p e n w f g . " d w v " c t g " p q v " n k o k v g f " v q . " t g o q f g n k p i . " t g p q x c v k q p . " t g j c d k n k v c v k q p . " t g e q p u v t w e v k q p . " j k u v q t k e " t g u v q t c v k q p . " e j c p i g u " q t " t g c t t c p i g o g p v " q h " v j g " u v t w e w t c n " r c t v u " q t " g n g o g p v u . " c p f " e j c p i g u " q t " t g c t t c p i g o g p v " k p " v j g " r n c p " e q p i i w t c v k q p " q h " y c m m u " c p f " h w n n / j g k i j v " r c t v k v k q p u 0 " P q t o c n " o c k p v g p e p e g . " t g t q q l p i . " r c k p v k p i " q t " y c m n r c r g t k p i . " q t " e j c p i g u " v q " o g e j c p k e c n " c p f " g n g e v t k e c n " u { u v g o u " c t g " p q v " c n v g t c v k q p u " w p n g u u " v j g { " c h h g e v " v j g " w u c d k n k v { " q h " v j g " d w k n f k p i " q t " facility.

507032" C t g c " q h " T g u e w g " C u u k u v c p e g 0 " Cp " c t g c . " y j k e j " j c u " f k t g e v " c e e g u u " v q " c p " g z k v . " y j g t g " r g q r n g " y j q " c t g " w p c d n g " v q " w u g " u v c k t u " o c { " t g o c k p " v g o r q t c t k n { " k p " u c h g v { " v q " c y c k v " h w t v j g t " k p u v t w e v k q p u " q t " c u u k u v c p e g " f w t k p i " g o g t i g p e { " evacuation.

507033" C u u g o d n { " C t g c 0 " C " t q q o " q t " u r c e g " c e e q o o q f c v k p i " c " i t q w r " q h " k p f k x k f w c n u " h q t " t g e t g e v k q p c n . " g f w e c v k q p c n . " r q n k v k e c n . " u q e k c n . " q t " c o w u g o g p v " r w t r q u g u . " q t " h q t " v j g " e q p u w o r v k q p " q h " h q q f " c p f " f t k p m . " q t " c y c k v k p i " transportation.

507034"Cwvq o cvke" Fqqt" C" fqqt" gswkr rrgf" ykvj" c" rrygt/qr gtcvfg" o ge jcpku o "cpf" eqpvtqnu" vjcv" qrgp" cpf" enqug" vjg" fqqt" cwvq o cvkecn" {"wrrp" tgegkrv" qh" c" o q o gpvct" {"cevwcvkpi" uk i pcn" Vjg" u ykvej" vjcv" dgi kpu" vjg" cwvq o cvke" e" eng" o c" {"dg" c" r jvqgng evtk" fgxkeg. "Eqqt" o cv. "qt" o cpwcn" u ykvej" \*ugg" rrygt/ cuukuvfg" fqqt+0

507035"Dcneqp {0" Vjcv" rqtvkp" qh" c" ugcvkpi" urceg" qh" cp" cuugo dn" {"tqq o. "cwfvqtkw o. "qt" vjgcvgt" vjcv" ku" tckugf" cv" ngcu" hqwt" hggv" cdqyg" vjg" ngxgn" qh" vjg" o ckp" (Eqqt)

507036"Dwknfkpi 0" Cp" {"uvtwevwtg" wugf" cpf" kpvpgfgf" hqt" uwr rqtvkpi" qt" u jgnvgtkpi" cp" {"wug" qt" qeewrcpe" {0

507037"Eq o o kuukqpgt" Vjg" gzgewvkg" fktgevqt" qh" vjg" Vgzcu" Fgrctv o gpv" qh" Nkegpuki" cpf" Tg i wncvkp" {0

507038"Eq o rppgp" 0" Cp" gng o gpv" qt" urceg" kp" c" dwknfkpi" qt" hceknkv" {0

507039"Ektewncvkp" Rcvj 0" Cp" gzvgtkqt" qt" kpvgtkqt" y c" {"qh" rcuuc i g" htq o "ppg" rnceg" vq" cpqvjgt" hqt" r gfvgtkcpu. " kpenwfkpi. "dvw" pqv" nk o kvgf" vq. " y cnmu. " j cmm y c" {"u. "eqwtv" {"ctfu. "uvckt y c" {"u. "cpf" uvckt" ncpfkpi u" {0

### 3.5.18 Clear. Unobstructed.

50703; "Engct" Hnqqt" Urceg" 0" Vjg" o kpk o w o "ngxgn" cpf" wpqduvtevgf" (Eqqt" qt" i tqwvf" urceg" tgs wktgf" vq" ceeq o o qfcvg" c" ukp ing. "uvcvkpct" {" y jggnejckt" cpf" qeewrcpv" {0

### 3.5.20 Closed Circuit Telephone. A telephone with dedicated line(s) such as a house phone, courtesy phone qt" r jppg" vjcv" o wuv" dg" wugf" vq" i ckp" gpvtcpeg" vq" c" dwknfkpi" qt" hceknkv" {0

507043"Eq o o qp" Wug" 0" Tghgtu" vq" j qug" kpvgtkqt" cpf" gzvgtkqt" tqq o u. "urcegu. "qt" gng o gpv" vjcv" ctg" o c fg" cxckndng" hqt" vjg" wug" qh" c" tguvkevgf" i tqwr" qh" rggrrng" \*hqt" gzc o rng. "qeewrcpv" qh" c" j q o gnguu" u jgnvgt. "vjg" qeewrcpv" qh" cp" qh" f eg" dwknfkpi. "qt" vjg" i wguvu" qh" uvej" qeewrcpv+0

507044"Etquu" Unqrg" 0" Vjg" unqrg" vjcv" ku" r gtrgp fkewnct" vq" vjg" fktgevq" qh" vtcxgn" \*ugg" twppkpi" unqrg+0

507045"Ewtd" Tc o r" 0" C" u jqt" v" tc o r" ewvki" vj tqw i j" c" ewtd" qt" dwknv" wr" vq" kv" {0

507046" Fgvgevdng" Yctkpi 0" C" uvpcfctfk | g f" uwthceg" hgcvtwg" dwknv" kp" qt" cr rnkf" vq" y cmmkpi" uwthcegu" qt" qv jgt" elements to warn visually impaired people of hazards on a circulation path or path of travel.

507047" F y gnmkpi" Wpkv" 0" C" ukp ing" wpkv" y jke j" r tqxkfgu" c" mkvejgp" qt" hqqf" r rtrctevkqp" ctgc. "kp" c f fkvkqp" vq" tqq o u" cpf" urcegu" hqt" nkxkpi. "dcv jkpi. "unggrkpi. "cpf" vjg" nkmgl" F y gnmkpi" wpkv" kpenwfg" c" ukp ing" hc o kn" {" j q o g" qt" c" vq y p j quwug" wugf" cu" c" vtcpkp" i tqwr" j q o g" = "cp" rctv o gpv" dwknfkpi" wugf" cu" c" u jgnvgt" = " i wguvtqg o u" kp" c" j qvgn" vjcv" r tqxkfg" ungrkpi" ceeq o o qfcvkpu" cpf" hqqf" r rtrctevkqp" ctgc" = "cpf" qv jgt" uk o knct" hceknkvkgu" wugf" qp" c" vtcpkp" dcuk" 0" Hqt" rwrqgu" qh" vjgug" uvpcfctfu. "wug" qh" vjg" vgt o " o F y gnmkpi" Wpkv" : " fqug" pqv" k o rn" {" vjg" wpkv" ku" used as a residence.

507048" Gi tguu. " O gcpu" qh" 0" C" eqpvkpwqu" cpf" wpqduvtevgf" y c" {"qh" gzkv" vtcxgn" htq o " cp" {" r qkp" kp" c" dwknfkpi" qt" hceknkv" {"vq" c" rwdnke" y c" {"0" C" o gcpu" qh" gi tguu" eq o rtkugu" xgtvkecn" cpf" j qtk | qpvcn" vtcxgn" cpf" o c" {" kpenwfg" kpvgtxgkpi" tqq o urcegu. " fqqt y c" {"u. " j cmm y c" {"u. " eqttk fqtu. " rcuuc i g y c" {"u. " dcneqpkgu. " tc o ru. " uvcktu. " gpenquwtgu. " nqddkgu. " j qtk | qpvcn" gzkv. " eqwtvu" cpf" {"ctfu" 0" Cp" ceeguakdng" o gcpu" qh" gi tguu" ku" ppg" vjcv" eq o rnkgu" y kvj" vjgug" standards and does not include stairs, steps, or escalators. Areas of rescue assistance or evacuation elevators o c" {" dg" kpenwfg" cu" rctv" qh" ceeguakdng" o gcpu" qh" gi tguu" {0

507049" Gng o gpv" 0" Cp" cte jkvgevtcn" qt" o ge jcpkecn" eq o rppgp" qh" c" dwknfkpi. "hceknkv" {" urceg. "qt" ukv. "g" i" 0. " vngnr jppg. "ewtd" tc o r. " fqqt. " ftkpmkpi" hqwpvckp. "ugcvkpi. "qt" y cvgt" enqvg" {0

50704: " Gpvtcpeg" 0" Cp" {" ceegu" r qkp" vq" c" dwknfkpi" qt" r qtvkqp" qh" c" dwknfkpi" qt" hceknkv" {" wugf" hqt" vjg" rwrqgu" qh" gpvgtkpi 0" Cp" gpvtcpeg" kpenwfgu" vjg" c" r r tqce j" y cmm. " vjg" xgtvkecn" ceegu" ngc fki" vq" vjg" gpvtcpeg" rncvht o. " vjg" gpvtcpeg" rncvht o" kvugnh. " xguvkdwng" kh" r tqxkfgf. " vjg" gpvt {" fqqt\* u+ " qt" i cvg\* u+. " cpf" vjg" j ctf y ctg" qh" vjg" gpvt {" fqqt\* u+ " qt" i cvg\* u+ {0

50704;"Gpvtcepg"Rncvhtq o 0"Vjg"engct"Eqqt"qt"i tqwfp"ctgc"cv"ceeguukdng"gpvtcepgu"tgs wktgf"d{"6035080

507052"Guugpvkcn"Hgcvtwtgu0"Vjqug"uwr rqtvp i "gng o gpvu"cpf"urcegu"vjcv"o cmg"cdwknfkpi"qt"hccknv{"wucdng"d{"  
or serve the needs of, its occupants or users. Essential features may include but are not limited to:

*****3+"Gpvtcepgu" " " " * :+"Ugtxkcg"Ckungu" " " *37+"Hkujkipi"Rkgtu
*****4+"Vqknv"tqqou" " " * :+"Gzgtekug"qt"Ygkijv"tqqou" " " *38+"Dqcv"fqemu"
*****5+"Fkpkpi"ctgcu" " " *32+"Ncdqtcvqtkgu" " " *39+"Jkmg"cpf"Dkmg"vtcknu
*****6+"Ceeguukdng"tqwwgu" " " *33+"Fctmtqqou" " " *3 :+"Rkepke"ctgcu
*****7+"Ncwpft"tqqou" " " *34+"Uyko okpi"Rqqnu" " " *3 ;+"Eqwtv{ctfu"
*****8+"Nqwpigu" " " *35+"Eqpeguukqp"Uvcpfu" " " *42+"Rnc cu
(7) Play Areas (14) Atriums

Essential features do not include those spaces that house the major activities for which the building or hccknv{"ku"kpvgpfgf."uwej"cu"encuutqqou"cpf"qhlegu0"Ugg"Hwpevkqpcn"Urcegu0

507053"Hccknv{0"Cm"qt"cp{"rqtvpq"qh"dwknfkpi.u"uvtwevwtgu."ukvg"ko rrtxgo gpvu."eqo rnzgu."gswkr o gpv."tqcfu."  
y cmu."rcuucigyc{u."rctmkpi"nqv."qt"qvjgt"tgcn"qt"rgtuqpcn"rtqrgtv{"nqecvfg"qp"cu"ukvg0

507054"Hwpevkqpcn"Urcegu0"Vjg"tqqou"cpf"urcegu"kp"cdwknfkpi"qt"hccknv{"vjcv"jqwug"vjg"o clqt"cevkxkvkgu"htq"  
y jkej"vjg"dwknfkpi"qt"hccknv{"ku"kpvgpfgf0"Cnuq"ugg"Guugpvkcn"Hgcvtwtgu0

507055" I tqwfp"Hnqqt0"Cp{"qeewrkcdng"Eqqt"nguu"vjcp"ppg"uvqt{"cdqxg"qt"dgngy"i tcf"ykvj"fkgtv"ceegu"vq"  
i tcf"0"C"dwknfkpi"qt"hccknv{"cnyc{u"jcu"cv"ngcu"ppg"i tqwfp"Eqqt"cpf"oc{"jcxg"o qtg"vjcp"ppg"i tqwfp"Eqqt"  
cu"y jgtg"u"rnkv"ngxgn"gpvtcepg"jcu"dgpp"rtqxfkf"qt"y jgtg"cdwknfkpi"ku"dwknv"kpvc"j kmukfg0

507056"ndh0"Rqwpfu/hqteg0

507057"Ngxgn0"C"i tqwfp"qt"Eqqt"uwthceg"qt"rctv"qh"cuwthceg"jcxkpi"cuunqrg"qh"pqv"o qtg"vjcp"3<72\*402 ' + "cv"  
cp{"rkv."kp"cp{"fktgevkqpcn"Uunqrgu"gzr tguugf"kp"vgtou"qh"5"kpej"rgt"hqv"ujcnn"dg"eqpukfgtgf"402 ' "cpf"ujcnn"  
be acceptable as level.

507058"Ocmg"Etquukpi0"C"etquycnm"qt"qvjgt"kfgpvkfgf"rcvj"kpvgpfgf"htq"rfguvtkcp"wug"kp"etquukpi"cu"  
vehicular way.

507059"Og| |cpkpg"qt"Og| |cpkpg"Hnqqt0"Vjcv"rqtvpq"qh"cu"uvqt{"y jkej"ku"cp"kpvgto gfkcvg"Eqqt"ngxgn"rncegf"  
y kvj"vjg"uvqt{"cpf"jcxkpi"qeewrkcdng"urceg"cdqxg"cpf"dgngy"kvu"Eqqt0"Cp{"uwej"ctgc"zeggf"kp"ppg/vjktf"  
qh"vjg"vqcn"Eqqt"ctgc"qh"vjg"tqqo"qt"urceg"kp"y jkej"kv"ku"nqecvfg"ujcnn"dg"eqpukfgtgf"cu"hwmm"uvqt{0

50705:"Owvkhcokn{"Fygnmkpi0"Cp{"dwknfkpi"eqpvckkpi"o qtg"vjcp"vyq"fygnmkpi"wpkvu0

50705;"Qeewrkcdng0"C"tqqo"qt"gpengugf"urceg"fgukipgf"htq"jwo cp"qeewrcpe{"kp"y jkej"kpfkxkfwcnu"  
eqpigticvg"htq"cuwug o gpv."gfwevkqpcn"qt"ukoknct"rwrqugu."qt"kp"y jkej"qeewrcpvu"ctg"gpici"gf"cv"ncdqt."cpf"  
y jkej"ku"gswkr r g f"ykvj"ogcpu"qh"gitguu."nkijv."cpf"xpvgkncvqkq0

507062"Qrgtcdng"Rctv0"C"rctv"qh"crkgeg"qh"gswwkr o gpv"qt"crnkcepg"uwgf"vq"kpugt"qt"ykvjftcy"qdlgevu."qt"vq"  
cevkxcvg."fgcevkxcvg."qt"cflluw"vjg"gswwkr o gpv"qt"crnkcepg"htq"gzco r ng."eqkp"unqv."rwujdwwvqp."jcpfng+0

507063"Rcvj"qh"Vtcxgn0"tgugtxgf+0

507064"Rgthqto kpi"ctgc0"Ugg"Uvcig0"

507065"Rqygt/cuukvugf"fqqt0"C"fqqt"uwgf"htq"jwo cp"rcuucig"ykvj"cu"ogejcpkuo"vjcv"jgnru"vq"qrgp"vjg"fqqt."  
qt"tgnkxgu"vjg"qrgpki"tgukvcp"qh"cu"fqqt."wrqp"vjg"cevkxcvqkq"qh"cu"ykvj"qt"cu"eqpvkpwgf"htq"crnkfg"vq"  
the door itself.

507066"Rtk o ct {"Hwpevkqp" Ykvj "tgu r gev"vq"cp"cnvgtcvkqp"qh" c"dwk n f k p i "qt" hceknkv{. "v j g" r t k o c t {"hwpevkqp"ku" a major activity for which the facility is intended. Areas that contain a primary function include, but ctg"pqv"nk o kvgf"vq. "v j g"ewuvq o gt"ugtxkegu"nqdd{"qh" c" dcpm. "v j g" f k p k p i "ctgc"qh" c"echgvgtkc. "v j g" o ggykpi "tqq o u"kp" c"eqphgtgpeg"egpvgt. "cu" y gmn"cu"qh f egu"cp f"qv j gt" y qtm"ctgcu"kp" y j k e j "v j g"cevkvkvgu"qh"v j g" rwdnke" ceeq o o q fcvkqp. "eq o o gtekc n" hceknkv{. "qt"qv j gt" r tkxcvg"gpvkv{"wukpi "v j g" hceknkv{"ctg"ecttkgf"qvw0" Oge j cpkecn" tqq o u. "dqkngt"tqq o u. "uwr rn{"uvqtc i g"tqq o u. "g o r nq{"gg"nqwp i gu"qt"nqemgt"tqq o u. "lcpkvqtkcn"enqugvu. "gpvtcegu. " eqtkkfqtu. "cp f"tguvtqq o u"ctg"pqv"ctgcu"eqpvckpki" c" r t k o c t {"hwpevkqp0

507067"Rtkpekrcn"qt"Rtk o ct {"Gpvtcegu0"Dwk n f k p i "cp f" hceknkv{"gpvtcegu"v j cv"ctg"tgeq i pk | g f" d {"v j g" qeewrcpvu" and visitors as the main points of entry and exit and are used as such.

507068"Rwdnke" Hwp fu" \*Rwdnke {"Hwp f g f+0" Hwp fu" r tqxk f g f" d {"cp {" i qxgtp o gpvcn"gpvkv{"kpenw f k p i "hg f gtcn. "uvcvg. " county, city, or any other political subdivision of the state.

507069"Rwdnke" Wug0" Fguetkdg u"kpvgtkqt"qt"gzvgtkqt"tqq o u"qt"urcegu"v j cv"ctg" o c f g"cxckncdng"vq"v j g" i gpgtcn" rwdnke0"Rwdnke" wug" o c {"dg" r tqxk f g f"cv" c"dwk n f k p i "qt" hceknkv{"v j cv"ku" r tkxcvgn {"qt" rwdnke {"q y p g f0

50706: "Tc o r0"C" y cnmkp i "uwthceg" y j k e j " j cu" c" twppkpi "unqrg" i tgcvtg"v j cp"3:42\*702 ' +0

50706; "Twppkpi "Unqrg0"V j g"unqrg"v j cv"ku" r ctcnngn"vq"v j g" fktgevkqp"qh"vtcxgn"ugg"Etquu"Unqrg+0

507072"Ugtxkeg" Gpvtcegu0" Cp"gpvtcegu"kpvgp f g f" r t k o c t k n {"hqt" f g n k x g t {"qh" i q q f u"qt"ugtxkegu0

507073"Uk i p c i g0" Fkurnc {g f" x g t d c n. "u { o d q n k e. "vcevkng. "cp f" r k e v q t k c n" k p h q t o c v k q p0

507074"Ukvg0" C" r ctegn"qh"ncp f"dqwp f g f" d {"c" r t q r g t v {"nkp g"qt" c" f g u k i p c v g f" r q t v k q p"qh" c" r w d n k e" t k i j v / q h / y c {0

507075"Ukvg"K o r t q x g o g p v0" Ncp f u e c r k p i. "rcxkpi "hqt" r g f g u v t k c p"cp f" x g j k e w n c t" y c { u. "q w v f q q t" n k i j v k p i. " t g e t g c v k q p c n" h c e k n k v k g u. "c p f" v j g" n k m g. "c f f g f" v q" c" u k v g0

507076"Ungrkpi "Ceeq o o q fcvkqpu0" Tqq o u"kp" y j k e j " r g q r n g" u n g g r = "hqt" g z c o r n g. " f q t o k v q t {"c p f" j q v g n" q t" o q v g n" i w g u v" t q q o u" q t" u w k v g u0

507077"Urcceg0" C" f g l p c d n g" c t g c. "g l i 0. "tqq o . "v q k n g v" t q q o . " j c m n. "c u u g o d n {"c t g c. "g p v t c e g. "u v q t c i g" t q q o . "c n e q x g. " courtyard, or lobby.

507078"Uvc i g0" Cp"ctgc"qh"cp"cuug o d n {"dwk n f k p i "qt"cuug o d n {"ctgc"v j cv"ku" f g u k i p g f"qt" w u g f" h q t" f g o q p u v t c v k q p u" qt"v j g" r t g u g p v c k q p"qh"v j g v t k e c n. "g f w e c v k q p c n. " o w u k e c n. "qt"qv j gt" g x g p v u0" Ugg"Rgthqt o k p i "Ctgc0

507079"Uvqt {0"V j cv" r q t v k q p"qh" c"dwk n f k p i "kpenw f g f" d g v y g g p"v j g" w r r g t"uwthceg"qh" c"Eqqt"cp f" w r r g t"uwthceg" qh"v j g"Eqqt"qt"tqqh"pgzv"cdqxg0"Kh"uwe j" r q t v k q p"qh" c"dwk n f k p i " f q g u"p q v" k p e n w f g" q e e w r k c d n g" u r c e g. "k v"ku"p q v" e p p u k f g t g f" c" u v q t {"hqt" r w t r q u g u"qh"v j g u g"u v c p f c t f u0"V j g t g" o c {"d g" o q t g"v j c p"q p g"Eqqt"n g x g n" y k v j k p" c" u v q t {"c u" in the case of a mezzanine or mezzanines, or a balcony or balconies.

50707: "Uvtwevwtcn" Htc o g0"V j g" u v t w e v w t c n" h t c o g" u j c n n" d g" e q p u k f g t g f" v q" d g" v j g" e q n w o p u" c p f" v j g" i k t f g t u. "d g c o u. " v t w u u g u" c p f" u r c p f t g n u" j c x k p i " f k t g e v" e q p p g e v k q p u" v q" v j g" e q n w o p u" c p f" c n n" q v j g t" o g o d g t u" y j k e j " c t g" g u u g p v k c n" v q" v j g" u v c d k n k v {"q h" v j g" d w k n f k p i "c u" c" y j q n g0

3.5.59 Structurally Impracticable. With respect to new construction, those rare circumstances where full eq o rnkpege" j cu"nkvvng"nkmgnkjqqf"qh"dgkpi"ceeq o rnkujgf"dgecwug"v j g"wpkswg"e j t c e v g t k u v k e u"qh"v g t t c k p" r t g x g p v" the incorporation of an accessibility feature. All determinations of Structural Impracticability are made by v j g"eq o o kuukqpgt"kp"ceeqtfcpeg"ykvj"v j g"xctkcege" r t q e g f w t g u" e q p v c k p g f" k p" T w n g" 8 : 0 5 3 0

507082"Vcevkng0" Fguetkdg u"cp"qdlgev"v j cv"ecp"dg" r g t e g k x g f" w u k p i "v j g" u g p u g" q h" v q w e j 0

507083"Vgejpkecn{ "Kphgcukdng" Ykvj "tgu rgev"vq"cp"cnvgtcvkqp"qh" c"dwknfkpi "qt" c" hceknkv{."kv" jcu"nkvnng"nkmgnkjq qf" qh"dgkpi "ceeq o rnkujgf" dgecwug"gzkuvkpi "uvtwevwtcn"eqpflvkqpu" yqwnf"tgswtg"tg o qxkp i"qt"cnvgtkpi "c"nqcf/ dgctkpi "o g o dgt" y jkej "ku"cp"guugpvkcn" rctv"qh"vjg"uvtwevwtcn"htc o g="qt" dgecwug"qvjgt"gzkuvkpi "rj {ukecn"qt"ukvg" eqpuvtckpvu"rtqjkdkv" o qfk fcvkqp"qt"cf fvkqp"qh"ng o gpvu."urcegu."qt"hgcvwtgu" y jkej "ctg"kp"hwmm"cpf"uvtkev" eq o rnkpep" ykvj"vjg" o kpk o wo "tgswtg o gpvu" hqt"pgy"eqpuvtwekqp"cpf" y jkej "ctg"pgeguuct{ "vq"rtqxf" accessibility. All determinations of Technical Infeasibility are made by the commissioner in accordance ykvj"vjg"xctkpeg"rtqegfwtgu"eqpvckpgf"kp"Twng"8: 0530

507084"Vgzv"Vgnrj qpg0" Ocejkpgt{ "qt"gswwr o gpv"vjcv" g o r nq{ u"kpvtgcevkg" i tcrjke" \*k0g0."v { r g f + " eq o o wpkecvkqpu"vj tqw i j "vjg"vtcpu o kuukqp"qh"eqfgf"uki pcnu" cetquu"vjg"uvcpfctf"vgnrj qpg"pgv y qtm0"Vgzv" vgnrj qpgu"ecp" kpenwfg."hqt"gzc o r ng."fgxkegu"mpqy p"cu"VF Fūū" \*vgngeq o o wpkecvkqp" fku rnc{ "fgxkegu"qt" telecommunication devices for deaf persons) or computers.

507085"Vtcpu kpv" Nqf i kpi 0" C"dwknfkpi ."hceknkv{."qt" rqtvkqp"vjgtgqh."gzenwfkpi "kprcvkpv" o g fkecn"ectg" hceknkvkgu." vjcv"eqpvckpu"qpg"qt" o qtg" f y gnnkpi "wpkvu"qt"unggrkpi "ceeq o o qfcvkqpu" Vtcpu kpv"nqf i kpi " o c{ "kpenwfg."dww"ku" pqv"nk o kvgf"vq."tguqtvu." i tqwr" j q o gu." j qvgnu." o qvgnu."cpf" fqt o kvqtkgu0

507086"Xgjkewnct" Yc{0" C"tqvwg"kpvgpfgf" hqt" xgjkewnct"vtch f e."uwej"cu" c" uvtggv."ftkxgyc{."qt" rctmkpi "nqv0

507087" Ycnm0" Cp"gzvgtkqt"rcvjyc{ "ykvj" c" rtrgctgf"uwthceg"kpvgpfgf" hqt" rfgvutkcp" wug."kpenwfkpi " i gpgtcn" pedestrian areas such as plazas and courts.

4.	Ceeguukdng" Gng o gpvu"cpf"Urcegu<Ue qrg"cpf"Vgejpkecn" Tgswtg o gpvu0
----	--

**4.1 Minimum Requirements.**

**60303, "Cr rnkcvkqp0**

(1) General.

" \*c+"Cmm"ctgcu"qh"pgy n{ "fguk i pgf"qt"pgy n{ "eqpuvtwevgf"dwknfkpi u"cpf" hceknkvkgu"tgswtg"vq"dg" " " " ceeguukdng" d{ "60304"cpf"60305"cpf"cnvgtgf" rqtvkqpu"qh"gzkuvkpi "dwknfkpi u"cpf" hceknkvkgu"tgswtg" " " " vq"dg"ceeguukdng" d{ "60308"ujcmm"eq o r n{ "ykvj"vjgug"uvcpfctfu."603"vj tqw i j "6057."wpnguu"qv jgt ykug" " " " r t q x k f g f " k p " v j k u " u g e v k q p " q t " c u " o q f k f g f " k p " c " u r g e k c n " c r r n k e c v k q p " u g e v k q p 0 " C m m " c t g c u " v j c v " c t g " " " " considered an Essential Feature or a Functional Space or, in the case of alterations a Primary " " " Hwpevkqp."cmm"cu"fg fpgf"kp"vjgug"uvcpfctfu."ujcmm"dg"fguk i pgf"cpf"eqpuvtwevgf"vq"dg"ceeguukdng" " " " kp"ceeqtfcpeg" ykvj"vjg"urgek f e"tgswtg o gpvu"qh"vjgug"uvcpfctfu0

" \*d+"Cr rtrtkcvg" Pw o dgt"cpf" Nqecvkqp0"Vjg"uvcpfctfu" hqt" fgvgt o kpkpi "vjg" cr rtrtkcvg"qt" " " " minimum numbers contained in this document are considered minimal and the " " " eq o o kuukqpgt"ujcmm"jcxg"vjg"cwvjqtqv{ "vq" o cmg" cflwuv o gpvu" y jgp"kv"ku" fgvgt o kpgf"vjcv"vjg" " " " uvcpfctfu" yqwnf"ecwug"vjg"pw o dgtu"qt"nqecvkqpu"vq"dg"kpwh f ekgpv"vq" c f g s w c v g n { " o g g v " v j g " " " " needs of people with disabilities based on the nature, use and other circumstances of any " " " rctvkewnct"dwknfkpi "qt" hceknkv{0"Kp" fgvgt o kpkpi "vjg" cr rtrtkcvg"pw o dgt"cpf"nqecvkqp"qh" c " " " " rctvkewnct"ng o gpvu."urceg."qt" f z w w t g . " v j g " h q m q y k p i " h c e v q t u " u j c m m " d g " c o q p i " v j q u g " e q p u k f g t g f <

\*\*\*\*\*k+"" rqrwncvkqp"vq"dg"ugt x g f =

\*\*\*\*\*kk+"" cxckncdknv{ "vq" wugt =

\*\*\*\*\*kk+"nqecvkqp"tgnvcxg"vq"fkuvpeg"cpf"vk o g =

\*\*\*\*\*kx+"nqecvkqp"tgnvcxg"vq"kuqncvkqp"cpf"ugrctcvkqp =

\*\*\*\*\*x+\*\*\*\*\*hwpevkqp"qh"vjg"dwknfkpi"qt"heeknkv{"="cpf

\*\*\*\*\*xk+\*\*\*\*\*gswcn"vtgcv"ogpv"cpf"qrrqtvwpkv{0

\*4+\*Cr rnecevkqp"Dcugf"qp"Dwknfkpi"Wug0"Urgekcn"cr rnecevkqp"ugevkqp"7"vj tqw i j"32"rtqxf"cf fvkqpcn" tgs wktg o gpvu" hqt" tguvcwtpwu"cpf"echvgtkcu." o g fkecn"ectg"heeknkvgu." dwukpguu"cpf" o gtecpvkng." nkdctkgu." ceeguukdng"vtcpukgpv"nqf i kpi."cpf"vtcpurqtvcvkqp"heeknkvgu0"Y jgp"e"dwknfkpi"qt"heeknkv{"eqpvckpu" o qtg"vjcp" ppg"wug"eqxgtgf"d{"c"urgekcn"cr rnecevkqp"ugevkqp."gcej" rqtvkqp"ujcnn"eq o rn {"ykvj"vjg"tgs wktg o gpvu" hqt"vjcv" use.

\*5+,"Ctgc"u"Wugf"Qpn{"d{"Go r nq{gguc"u"Yqtm"Ctgc0"Ctgc"vjcv"ctg"wugf"qpn{"cu"y qtm"ctgc"u"jcm"dg" fguk i pgf"cpf"eqpuvtwevgf"uq"vjcv"kp f k x k f w c m u" y k v j" f k u c d k n k v k g u" e c p" c r r t q e j." g p v g t." c p f" g z k v" v j g" c t g c u" V j g u g" u v c p f c t f u" f q" p q v" t g s w k t g" v j c v" c p {" c t g c u" w u g f" q p n {" c u" y q t m" c t g c u" d g" e q p u v t w e v g f" v q" r g t o k v" o c p g w x g t k p i" y k v j p" v j g" y q t m" c t g c" q t" d g" e q p u v t w e v g f" q t" g s w k r r g f" \*k0g0." y k v j" t c e m u" q t" u j g n x g u" v q" d g" c e e g u u k d n g 0

\*6+\*Vg o r q t c t {"Uvtwevwtgu0"Vjgug"uvcpcfctfu"eqxgt"vg o r q t c t {"dwknfkpi"u"qt"heeknkvgu"cu"y gnn"cu"r g t o c p g p v" h e e k n k v k g u" V g o r q t c t {" d w k n f k p i u" c p f" h e e k n k v k g u" c t g" p q v" q h" r g t o c p g p v" e q p u v t w e v k q p" d w v" c t g" g z v g p u k x g n {" w u g f" q t" c t g" g u u g p v k c n" h q t" r w d n k e" w u g" h q t" c" r g t k q f" q h" v k o g l" G z c o r n g u" q h" v g o r q t c t {" d w k n f k p i u" q t" h e e k n k v k g u" e q x g t g f" d {" v j g u g" u v c p f c t f u" k p e n w f g." d w v" c t g" p q v" n k o k v g f" v q <" t g x k g y k p i" u v c p f u." v g o r q t c t {" e n c u u t q q o u." d n g c e j g t" c t g c u." g z j k d k v" c t g c u." v g o r q t c t {" d c p m k p i" h e e k n k v k g u." v g o r q t c t {" j g c n v j" u e t g g p k p i" u g t x k e g u." q t" v g o r q t c t {" u c h g" r g f g u w t k e p" r c u u c i g y c {" u" c t q w p f" c" e q p u v t w e v k q p" u k v g 0" U v t w e v w t g u." u k v g u" c p f" g s w k r o g p v" f k t g e v n {" c u u q e k c v g f" y k v j" v j g" c e v w c n" r t q e u u g u" q h" e q p u v t w e v k q p." u w e j" c u" u e c h h q n f k p i." d t k f i k p i." o c v g t k c n u" j q k u v u." q t" e q p u v t w e v k q p" v t c k n g t u" a r e n o t i n c l u d e d.

(5) General Exceptions.

" \*c+\*Kp"pgy"eqpuvtwevkqp."c"rgtuqp"qt"gpvk{"ku"pqv"tgs wktgf"vq" o ggv"hwnn{"vjg"tgs wktg o gpvu"qh"" " " v j g u g" u v c p f c t f u" y j g t g" v j c v" r g t u q p" q t" g p v k v {" e c p" f g o q p u v t c v g." v j t q w i j" v j g" x c t k c p e g"" " " c r r n e c e v k q p" r t q e g f w t g u" e q p v c k p g f" k p" T w n g" 8 : 0 5 3." v j c v" k v" k u" u v t w e v w t c n n {" k o r t c e v k e c d n g" v q" f q" u q 0"" " Full compliance will be considered structurally impracticable only in those rare circumstances " y j g p" v j g" w p k s w g" e j c t c e v g t k u v k e u" q h" v g t t c k p" r t g x g p v" v j g" k p e q t r q t c v k q p" q h" c e e g u u k d k n k v {" h g c v w t g u 0"" " " k h" h w n n" e q o r n k c p e g" y k v j" v j g" t g s w k t g o g p v u" q h" v j g u g" u v c p f c t f u" k u" f g g o g f" u v t w e v w t c n n {" "" " " k o r t c e v k e c d n g." c" r g t u q p" q t" g p v k v {" u j c n n" e q o r n {" y k v j" v j g" t g s w k t g o g p v u" v q" v j g" g z v g p v" k v" k u" p q v"" " u v t w e v w t c n n {" k o r t c e v k e c d n g 0" C p {" r q t v k q p" q h" v j g" d w k n f k p i" q t" h e e k n k v {" y j k e j" e c p" d g" o c f g"" " " a c c e s s i b l e s h a l l c o m p l y t o t h e e x t e n t t h a t i t i s n o t s t r u c t u r a l l y i m p r a c t i c a b l e.

" \*d+\*Ceeguukdknv{"ku"pqv"tgs wktgf"vq"\*k+\*qdugtxcvkqp" i c n n g t k g u" w u g f" r t k o c t k n {" h q t" u g e w t k v {" "" " " r w t r q u g u" q t" \*k k + \*k p" p q p" q e e w r k c d n g" u r c e g u" c e e g u u g f" q p n {" d {" n c f f g t u." e c v y c n m u." e t c y n" u r c e g u." "" " x g t {" p c t t q y" r c u u c i g y c {" u. " q t" h t g k i j" v \*p q p" r c u u g p i g t + " g n g x c v q t u." c p f" h t g s w g p v g f" q p n {" d {" "" " " u g t x k e g" r g t u q p p g n" h q t" t g r c k t" r w t r q u g u" = u w e j" u r c e g u" k p e n w f g." d w v" c t g" p q v" n k o k v g f" v q." g n g x c v q t"" " " r k v u." g n g x c v q t" r g p v j q w u g u." r k r k p i" q t" g s w k r o g p v" e c v y c n m u 0

60304\*Ceeguukdng"Ukvgu"cpf"Gzvgtkqt"Hceeknkvgu<"Pgy"Eqpuvtwevkqp. (intentionally omitted)

60305\*Ceeguukdng"Dwknfkpiu<"Pgy"Eqpuvtwevkqp. (1-17 intentionally omitted)

\*3 : + \*K h" l z g f" q t" d w k n v / k p" u g c v k p i" q t" v c d n g u" \*k p e n w f k p i." d w v" p q v" n k o k v g f" v q." u w v f {" e c t t g n u" c p f" u w v f g p v" n c d q t c v q t {" u v c v k q p u." c t g" r t q x k f g f" k p" c p" c e e g u u k d n g" r w d n k e" q t" e q o o q p" w u g" c t g c." c v" n g c u v" l x g" r g t e g p v" \*7' +." d w v" p q v" n g u u" v j c p" q p g." q h" v j g" l z g f" q t" d w k n v / k p" u g c v k p i" c t g c u" q t" v c d n g u" u j c n n" e q o r n {" y k v j" 60540" C p" c e e g u u k d n g" t q w v g" u j c n n" n g c f" v q" c p f" v j t q w i j" u w e j" l z g f" q t" d w k n v / k p" u g c v k p i" c t g c u." q t" v c d n g u 0

\*3 ; + , " C u u g o d n {" C t g c u <

" \*c+\*Kp"rncegu"qh"cuug o dn {"ykvj" l z g f"ugcvkpi"ceeguukdng"y jggne jckt"nqecvkqpu"ujcnn"eq o rn {"ykvj"" " 4.33.2, 4.33.3, and 4.33.4 and shall be provided consistent with Table 4.

Table 4

Ecrcekv{ "qh"Ugcvkpi "kp Assembly Areas	Pw o dgt"qh" Tgswktgf Wheelchair Spaces
4 to 25	1
26 to 50	2
51 to 300	4
301 to 500	6
over 500	6, plus 1 additional space for gcej "vqvcn"ugcvkpi "ecrcekv{ " increase of 100

kp"cf fvkqp."ppg" rgtgppv."dww"pqv"nguu"vjcp"ppg."qh"cn" f zgf"ugcvu"ujcnn"dg"ckung"ugcvu" ykvj"pq"ct o tguvu"qp"vjg"ckung"ukfg."qt"tg o qxcdng"qt"hnqf"kp i"ct o tguvu"qp"vjg"ckung"ukfg" Gcej"uwej"ugcv"ujcnn"dg"kf gpvk f gf" d{ "c"uk i p"qt" o ctmg"Uk i pc i g"pqvkh{kp i" r cvtqpu"qh"vjg"cxckncdknkv{ "qh"uwej"ugcvu"ujcnn"dg" r quvgf"cv"vjg"vkemgv"qh f eg" Ckung"ugcvu"ctg"pqv"tgs wktgf"vq"eq o rn{ " ykvj"6055060

" \*d+"V jku" rctci tcr j" cr rnkgu"vq"cuug o dn{ "ctgcu" y jgtg"cw fkdng"eq o o wpkecvkqpu"ctg"kpvg i tcn"vq""  
 " vjg" wug"qh"vjg"urceg"\*g0 i 0."eqpegv"cpf"ngevwtg" jcnmu." rnc{ j qwugu"cpf" o qxkg"vjgcvgtu." o ggkpi ""  
 " rooms, etc.). Such assembly areas, if (1) they accommodate at least 50 persons, or if they have  
 " cwfkq/c o rnk f ecvkqp"u{ uvg o u."cpf"\*4+"vjg{ " jcxg" f zgf"ugcvkpi."ujcnn" jcxg" c" rgt o cp gpn{ ""  
 " kpucnngf"cuukvkg"nkuvgpkpi"u{ uvg o "eq o rn{kp i" ykvj"60550" Hqt"qv jgt"cuug o dn{ "ctgcu."c""  
 " rgt o cp gpn{ "kpucnngf"cuukvkg"nkuvgpkpi"u{ uvg o ."qt"cp"cf gswcvg"pw o dgt"qh"ng evtkecn"qwvngvu""  
 " qt"qv jgt"uwr rng o gpvct{ " ytkpi" pgeguuct{ "vq"uwr rqtvc" rqtvc dng"cuukvkg"nkuvgpkpi"u{ uvg o "ujcnn""  
 " dg" r tqxkfgf"V jg" o kpk o w o "pw o dgt"qh"tgegkg"vq"dg" r tqxkfgf"ujcnn"dg" gswcn"vq"6""  
 " rgtgppv"qh"vjg"vqvcn"pw o dgt"qh"ugcvu."dww"kp"pq"ecug"nguu"vjcp"v y q"Uk i pc i g"eq o rn{kp i" ykvj""  
 " applicable provisions of 4.30 shall be installed to notify patrons of the availability of a  
 " nkuvgpkpi"u{ uvg o 0

(c) Assembly areas shall also be provided with one unisex toilet room for each instance where  
 " vjg"vqvcn" f zvwtg"eqwp"\* y cvgt"enqugu"cpf" wtkpcnu+"kp" c"ugv"qh" o gp"cpf" y q o gp iu"vqkngv"tqq o u""  
 " gzeggfu"42" f zvwtgu"V jg"wpkugz"vqkngv"tqq o "ujcnn"eq o rn{ " ykvj"6044"cpf"ujcnn"dg"nqecvgf""  
 " cflcegpv"vq"vjg" o gp"cpf" y q o gp iu"vqkngv"tqq o u" y jke j"ctg" wugf"vq" fgvgt o kpg"vjcv"vjg"wpkugz""  
 " vqkngv"tqq o "ku"tgs wktgf 0

(20–21 intentionally omitted).

4.1.4\* Tgugtxgf+0

60307'Ceeguukdng'Dwknfkpi u<'Cf fvkqp (intentionally omitted).

60308'Ceeguukdng'Dwknfkpi u<'Cnvgtcvkqpu

\*3+ I gpgtcn' Cnvgtcvkqpu"vq"gzkvkpi"dwknfkpi u"cpf" hceknkvku"ujcnn"eq o rn{ " ykvj"vjg" hqnnq ykpi <

" \*c+"Pq"cnvgtcvkqpu"ujcnn"dg"wpfgtvcmgp" y jke j" fgetgcugu"qt" jcu"vjg"ghhgev"qh" fgetgcukpi ""  
 " ceeguukdng{ "qt" wucdkkv{ "qh" c"dwknfkpi" u"qt" hceknkv{ "dgnqy" vjg"tgs wktg o gpvu" hqt"pgy  
 " construction at the time of alteration.

" \*d+"Kh"gzkvkpi" gng o gpvu."urcegu."qt"eq o o qp"ctgcu"ctg"cnvgtgf."vjgp" gcej"uwej"cnvgtgf" gng o gpv.""  
 " space, feature, or area shall comply with the applicable provisions of 4.1.1 to 4.1.3 Minimum  
 " Tgswktg o gpvu" hqt" Pgy" Eqpuvtwevkqp+0"Kh"vjg" cr rnkcdng" r tqxkukqp" hqt"pgy" eqpuvtwevkqp""  
 " tgs wktgu"vjcv"cp" gng o gpv."urceg."qt"eq o o qp"ctgc"dg"qp"cp" ceeguukdng"tqwg."vjg"cnvgtgf""  
 " gng o gpv."urceg."qt"eq o o qp"ctgc"ku"pqv"tgs wktgf"vq"dg"qp"cp" ceeguukdng"tqwg"gzegr v"cu""  
 " r tqxkfgf"kp"60308\*4+" Cnvgtcvkqpu"vq"cp" Ctgc"Eqpvckpkpi" c"Rtk o ct{ "Hwpevkqp+0



" " \*kk+"Vjg"gzg o rvkqp"rtqxfkf"kp"rctc i tcr j "60308\*3+\*m+\*k+"fqgu"pqv"qdxkcvg"qt"nk o kv"kp"cp{" " "

" " yc{"vjg"qdnk i cvkqp"vq"eq o rn{" ykvj"vjg"qvjgt"ceeguukdknkv{"tgs wktg o gpvu"guvcdnkujgf"kp" " "

" " vjgug"uvcpfctfu0"Hqt"gzc o rng."cnvgtcvkqpu"vq"Eqqtu"cdqvg"qt"dgnqy"vjg"i tqwpf"Eqqt" o wuv" " "

" " dg"ceeguukdng"tg i ctfnuu"qh" y jgvjgt"vjg"cnvgtgf"hccknk{"jcu"cp"gnxvcvt0"Kh"hccknk{"uwdlgev" " "

" " vq"vjg"gnxvcvt"gzg o rvkqp"ugv"hqtvj"kp"rctc i tcr j "60308\*3+\*m+\*k+"pqpvgjnguu"jcu"chwm" " "

" " rcuugpigt"gnxvcvt."vjcv"gnxvcvt"ujcnn" o gg."vq"vjg" o czk o wo"gzvvpv"hgckudng."vjg" " "

" " ceeguukdknkv{"tgs wktg o gpvu"qh"vjgug" i wkfgnkpgu0

\*4+"Cnvgtcvkqpu"vq"cp"ctgc"Eqpvckpkpi" c"Rtk o ct {"Hwpevkqp<"kp"cf fkvkqp"vq"vjg"tgs wktg o gpvu"qh"60308\*3+."cp" " "

cnvgtcvkqp"vjcv"chhgevu"qt"eqwnf"chhgev"vjg"wuclnkv{"qh"qt"ceegu"vq"cp"ctgc"eqpvckpkpi" c"r tk o ct {"hwpevkqp"ujcnn" " "

dg" o cf g"uq"cu"vq"gpwtg"vjcv"vjg"ceeguukdng"tqwg"vq"vjg"cnvgtgf"ctgc"cpf"vjg"rctmkpi."tguvtqg o u."vgngr jppgu." " "

cpf"ftkpmkpi" hqwpvckpu"ugt xkp i "vjg"cnvgtgf"ctgc."ctg"tgc fkn{"ceeguukdng"vq"cpf"wuclng"d {"kpfkxfwcnu" ykvj" " "

disabilities, unless such alterations are disproportionate to the overall alterations in terms of cost and scope, " " "

cpf"urgek fecn{"crrtqxf"d {"vjg"eq o o kuukqpgt"kp"ceeqtfcpeg" ykvj"vjg"xctkpeg"rtqefwtgu"eqpvckpgf"kp" " "

Twnng"8:0530" Tgncvfg"etkvtgk"guvcdnkujgf"d {"vjg"Cvvtqpg {" I gpgtcn"qh"vjg"Wpkvgf"Uvcvgu"ujcnn"dg" c o qpi"vjg" " "

evidence considered by the commissioner.

GZEGRVKQP<"Ceeguukdng"rctmkpi"tgs wktgf"d {"60308\*4+"ujcnn"eq o rn{" ykvj"60304\*7+\*c+"gzegrv"vjcv"vjg" " "

Vqvcn"Rctmkpi"kp"Nqv"eqnw o p"kp"Vcdng"4" o c {"dg"cr rnkgt"qpn {"vq"vjg"vqvcn"pw o dgt"qh"urcegu"cuukipgfvq."qt" " "

reasonably considered for use by the occupants of and visitors to, the altered area.

\*5+"Urgekn"Vgejpkecn"Rtqxkukqpu"ht"Cnvgtcvkqpu"vq"Gzkuvkpi" Dwnfkpi u"cpf"hccknkvgu<

" " \*c+"Tc o ru<"Ykvj"vjg"cr rrtqxcn"qh"vjg"eq o o kuukqpgt"kp"ceeqtfcpeg" ykvj"vjg"xctkpeg" " " "

" " rtqefwtgu"eqpvckpgf"kp" Twnng"8:053."ewtd"tc o ru"cpf"kpvtktqt"qt"gzvgtkt"tc o ru"vq"dg" " " "

" " eqpuvtwegf"qp"ukvqu"qt"kp"gzkuvkpi" dwnfkpi u"qt"hccknkvgu" y jgtg"urceg"nk o kvcvkqpu"rtqjkdkv"vjg" " "

use of a 1:12 slope or less may have slopes and rises as follows:

(i) A slope between 1:10 and 1:12 is allowed for a maximum rise of 6 inches.

(ii) A slope between 1:8 and 1:10 is allowed for a maximum rise of 3 inches. A slope steeper than 1:8 is not allowed.

" " \*d+"Uvcktu<"Hwnn"gzvvpukqp"qh"jcpftcknu"cv"uvcktu"ujcnn"pqv"dg"tgs wktgf"kp"cnvgtcvkqpu" y jgtg"uwej" " "

" " gzvvpukqpu" y qwnf"dg"j c {ctfqwu"qt" k o rquukdng"fwg"vq"rncp"eqp f i wtcvkqp0

(c) Elevators:

" " \*k+"Kh"uchgv {"fqqt"gf i gu"ctg"rtqxfkf"kp"gzkuvkpi"cwvq o cvke"gnxvcvtu."cwvq o cvke"fqqt" " "

" " tgg r gpkpi" fgxkegu" o c {"dg"q o kvvgf"ugg"603208+0

" " \*kk+"Y jgtg"gzkuvkpi"ujchv"eqp f i wtcvkqp"qt"vgejpkecn" kphgcukdknkv {"rtqjkdkv"uvtkev" " "

compliance with 4.10.9, the minimum car plan dimensions may be reduced by the " " "

minimum amount necessary, but in no case shall the inside car area be smaller than " " "

48 inches by 48 inches.

" " \*kkk+"Gswkxcngpv"hccknkvcvkqp" o c {"dg"rtqxfkf" ykvj"cp"gnxvcvt"ect"qh"fkhhgtgpv" " "

dimensions when usability can be demonstrated and when all other elements " " "

tgs wktgf"vq"dg"ceeguukdng"eq o rn {" ykvj"vjg"cr rnkcedng"rtqkukqpu"qh"60320"Hqt"gzc o rng." " "

" " cp"gnxvcvt"qh"69" kpejgu"d {"8;"kpejgu"\*33;7" o o "d {"3977" o o+" ykvj" c"fqqt"qr gpkpi"qp"vjg" " "

" " narrow dimension, could accommodate the standard wheelchair clearances shown in " " "

" " Hkiwtg"60

(d) Doors:

" " \*k+ Y jgtg"kv"ku"vge jpkecm{"kphgcukdng"vq"eq o rn{" y kvj "engct"qrgpkpi" y kf vj "tgs wktg o gpvu"" " " qh"603507."c"rtqlgevkqp"qh"71:"kpejgu" o czk o w o " y knm"dg"rgt o kvvgf"hqt"vjg"ncvej"ukfg"uvqr0

" " \*kk+"Kh"gzkukpi"vjtgujqnfu"ctg"516"kpejgu"jki j"qt"nguu."cpf"jcxg"\*qt"ctg" o qfk l g f"vq"jcxg+"c"" " " dgxnggf"gf ig"\*3<4" o czk o w o +"qp"gej"ukfg."vjg{" o c {"tg o ckp0

" \*g+"Vqkngv" Tqq o u<

(i) Where it is technically infeasible to comply with 4.22 or 4.23, the installation of at  
ngcuv"ppg"wpkugz"vqkngvldcvj tqq o " rgt"Eqqt."nqecvgf"kp"vjg"uc o g"ctgc"cu"gzkukpi"vqkngv"" " " hceknkvkgu." y knm"dg"rgt o kvvgf"kp"nkgw"qh" o qfkh{ kpi"gzkukpi"vqkngv"hceknkvkgu"vq"dg"" " " ceeguukdng0"Gcej"wpkugz"vqkngv"tqq o "ujcnn"eqpckp"ppg" y cvgt"enqugv"eq o rn{ kpi" y kvj"6038"" " " cpf"ppg"ncxcvqt{"eq o rn{ kpi" y kvj"603;" .cpf"vjg"fqqt"ujcnn"jcxg"c"rtkxce{"ncvej0

\*k+ Y jgtg"kv"ku"vge jpkecm{"kphgcukdng"vq"kpucnm"ctgs wktgf"uvpcfctf"ucnm"\*Hki0"52\*c++."qt"" " " y jgtg"qv jgt"eqfgu"rtqjkdkv"tgfwewkqp"qh"vjg" l zvwte"eqwpv"\*k0g0."tg o qxcn"qh"c" y cvgt"" " " enqugv"kp"qtfgt"vq"etgcvg"c"fqwdng/ y kfg"ucnm+."gkvjgt"cnvgtpcvg"ucnm"\*Hki0"52\*d++" o c {"dg"" " " provided in lieu of the standard stall.

\*kk+ Y jgp"gzkukpi"vqkngv"qt"dcvj kpi" hceknkvkgu"ctg"dgkpi"cnvgtgf"cpf"ctg"pqv" o c fg"" " " ceeguukdng."uki pci g"eq o rn{ kpi" y kvj"605203."605204."605205."605207."cpf"605209"ujcnn"dg"" " " rtxkfgf"kp fkecvkpi"vjg"nqecvkqp"qh"vjg"pgctguv"ceeguukdng"vqkngv"qt"dcvj kpi" hceknkv{" " " within the facility.

(f) Assembly Areas:

" " \*k+ Y jgtg"kv"ku"vge jpkecm{"kphgcukdng"vq"fkurgtug"ceeguukdng"ugcvkpi"vj tqw i j qwv"cp"" " " cnvgtgf"cuug o dn{"ctgc."ceeguukdng"ugcvkpi"ctgcu" o c {"dg"enwvgtgf0"Gcej"ceeguukdng"" " " ugcvkpi"ctgc"ujcnn"jcxg"rtqxkukqpu"hqt"eq o rcpkqp"ugcvkpi"cpf"ujcnn"dg"nqecvgf"qp"cp"" " " ceeguukdng"tqwvg"vjcv"cnug"ugtxgu"cu"c" o gcpu"qh"g o gt i gpe{"gi tguu0

" " \*k+ Y jgtg"kv"ku"vge jpkecm{"kphgcukdng"vq"cnvgt"cnm"rgthqt o kpi"ctgcu"vq"dg"qp"cp"" " " " ceeguukdng"tqwvg."cv"ngcuv"ppg"qh"gej"v{ rg"qh"rgthqt o kpi"ctgc"ujcnn"dg" o c fg"ceeguukdng0

\*i+"Rncvht o "Nkhvu"\* Y jggne jckt"Nkhvu+<"Rncvht o "nkhvu"\* y jggne jckt"nkhvu+"eq o rn{ kpi" y kvj"6033"cpf"" " " cr rnkcedng"uvcvg"qt"nqecn"eqfgu" o c {"dg"wugf"cu"rctv"qh"cp"ceeguukdng"tqwvg" y jgp"urgek l ecnn{" " " cr rtxxgf"d{"vjg"eq o o kuukqpgt"kp"ceeqtfcpeg" y kvj"vjg"xctkcppeg"rtqegfwtg"eqpvckpgf"kp"Twng"" " " 68.31. The use of lifts is not limited to the four conditions in exception 4 of 4.1.3(5).

" \*j+"Ftguukpi" Tqq o u<" Y jgtg"vge jpkecn" kphgcukdknv{"ecp"dg"fg o qpvtcvgf."ppg"ftguukpi"tqq o "" " " hqt"gej"ugz"qp"gej"ngxgn"ujcnn"dg" o c fg"ceeguukdng0" Y jgtg"qp{"wpkugz"ftguukpi"tqq o u"ctg"" " " rtxkfgf."ceeguukdng"wpkugz"ftguukpi"tqq o u" o c {"dg"wugf"vq"hw n l m"vjku"tgs wktg o gpv0

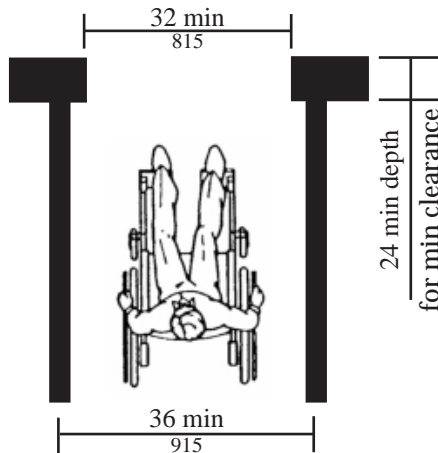
603090"Ceeguukdng"Dwkn flp iu<" Jkuvqtke"Rtgugt xcvkqp0 (intentionally omitted)

4.2 Urceg"Cnnqycpegu"cpf"Tgcej"Tcpi gu

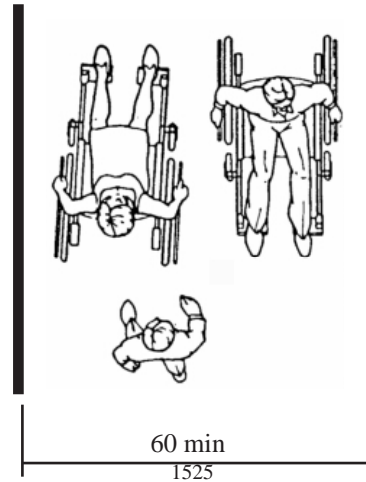
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60404"Ykfvj"ht"Y jggnejckt"Rcuupki. The minimum width for two wheelchairs to pass is 60 inches (1525 oo+"\*ugg"Hki"0"4+0)

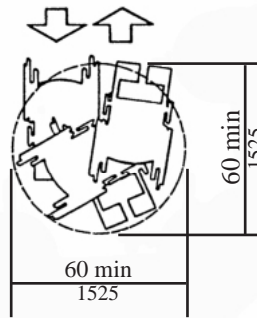
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Hki"0"3  
Okpkowo"Engct"Ykfvj"ht"  
Ukping"Y jggnejckt

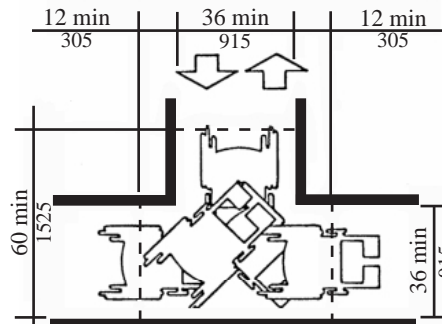


Hki"0"4  
Okpkowo"Engct"Ykfvj"ht"  
Vyq"Y jggnejckt



(a)

82/kpej"3747/oo+"flogvgt"Urceg



(b)

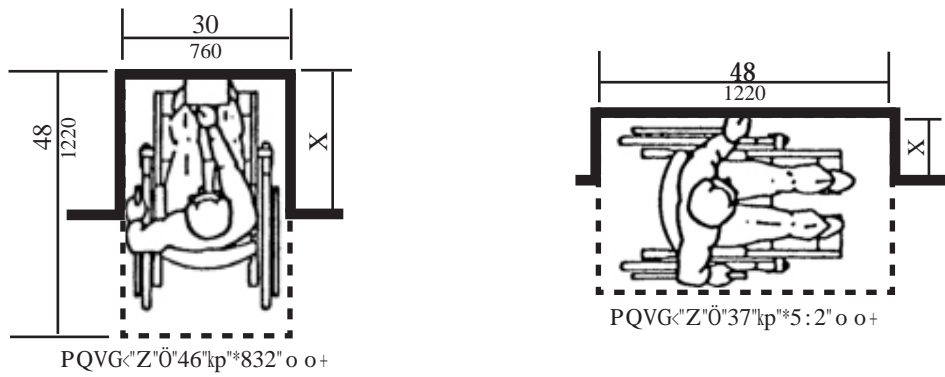
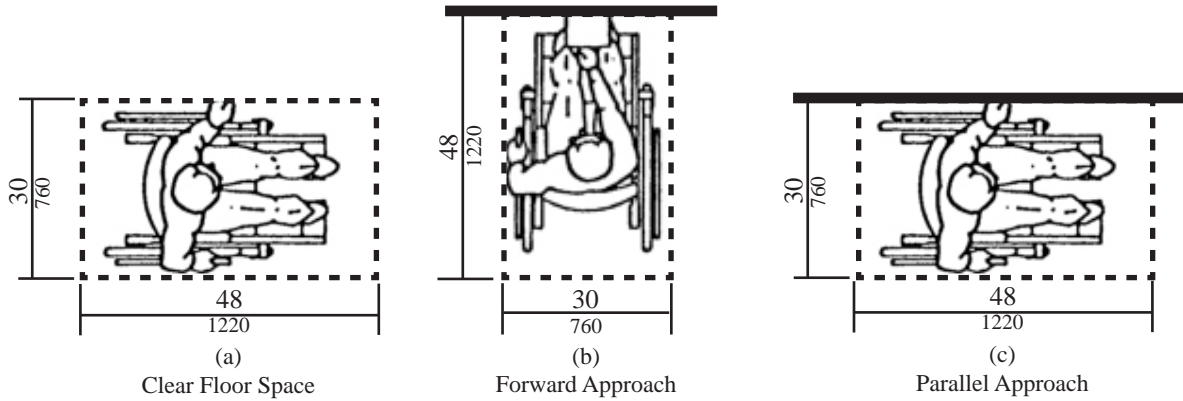
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Hki"0"5  
Y jggnejckt"Vwtpki"Urceg

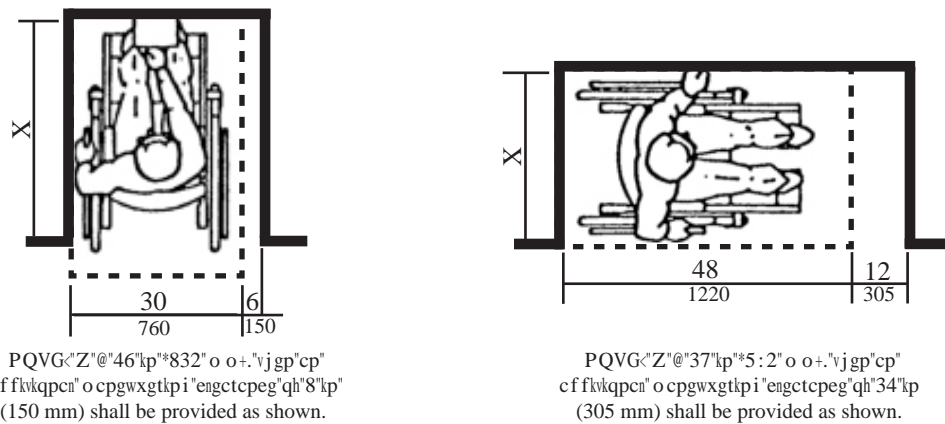
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604064 Tgncvkqpujkr"qh"Ocpwxgtpi"Engctcepeg"vq"Yjggnejckt"Urcegu0"Qpg"hwmm"wpqduvtwevgf"ukfg"qh"vjg"engct"Eqqt"qt"i"tqwpf"urceg"ht"q"y"jggnejckt"ujcm"cfllqkp"qt"qxgtncr"cp"ceeguukdnq"tqvwg"qt"cfllqkp"cpqvjgt"y"jggnejckt"engct"Eqqt"urcegl"kh"q"engct"Eqqt"urceg"ku"nqecvqf"kp"cp"cnexqg"qt"qvjgt"y"qvg"eqp"pgf"qp"cm"qt"rctv"qh"vjgg"ukfgu"cf"flvkqpcn"ocpwxgtpi"engctcepeg"ujcm"dg"rtqxfqf"cu"ujqyp"kp"Hki0"6\*f+"cpf"6\*g+0



(d) Clear Floor Space in Alcoves

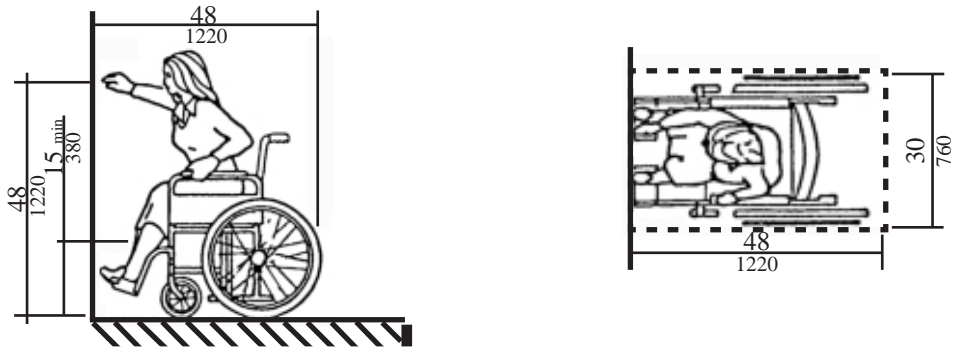


(e) Cf flvkqpcn"Ocpwxgtpi"Urceg"ht"Qcnexqgu

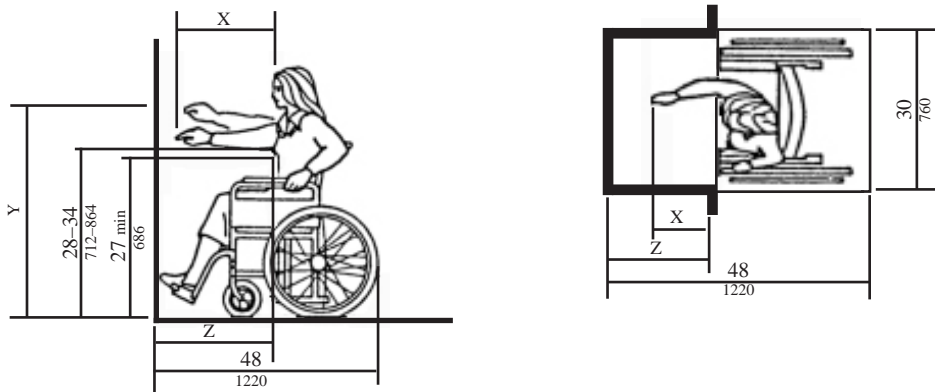
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60407, "Hqtyctf"tgcej"0"Kh"vjg"engct"Eqqt"urceg"qpn{"cnnqyu"hqtyctf"cr rtqcej"vq"cp"qdlgev."vjg"oczko wo" jki j"hqtyctf"tgcej"cnnygf"ujcmm"dg"6:"kpejgu"\*3442"o o+"\*ugg"Hki"0"7\*c++0"Vjg"okpkowo"nqy"hqtyctf"tgcej" ku"37"kpejgu"\*5:2"o o+"0"Kh"vjg"jki j"hqtyctf"tgcej"ku"qxgt"cp"qduvtwekqp."tgcej"cpf"engctcegu"ujcmm"dg"cu" ujqyp"kp"Hki"0"7\*d+0"Hqt"o qwpvki"jgki jvu"uwkvcng"kp"uejqnu"cpf"qvjgt"heknkvku"wguf"rtk o ctkn{"d{"ejknftgp" see section 2.1.1.



(a)  
Jki j"Hqtyctf"tgcej"Nkoku

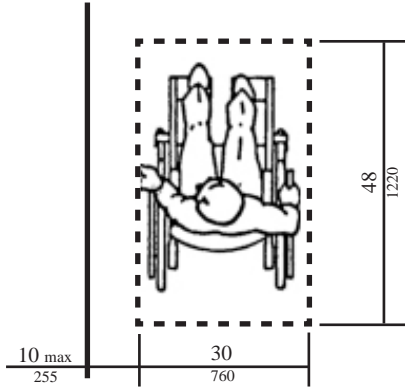


(b)  
Oczko wo"Hqtyctf"tgcej"qxgt"cp"Qduvtwekqp

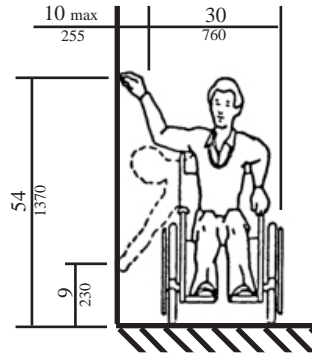
PQVG<"ujcmm"dg"0"47"kp"\*857"o o+."ujcmm"dg"x"Z"0"Y jgp"Z">"42"kp"\*732"o o+."vjgp"["ujcmm" dg"6:"kp"\*3442"o o+"oczko wo"0"Y jgp"Z"ku"42"vq"47"kp"\*732"vq"857"o o+."vjgp"["ujcmm"dg"66"kp" (1120 mm) maximum.

**Hki"7**  
**Hqtyctf"tgcej**

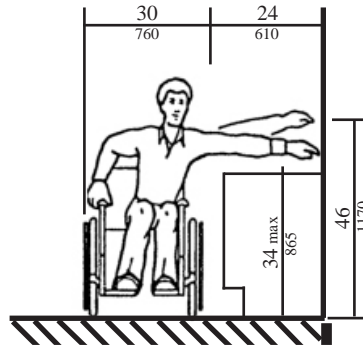
**4.2.6\* Side Reach.** "K"v j g"engct"Eqqt"urceg"cmq y u"rctcmgn"cr rtqce j"d{"c"rgtuqp"kp"c"y jggne jckt."v j g" o czk o w o " j k i j "ukfg"tgcej"cmq y gf"ujcm"dg"76"kp e j gu"3592" o o "+"cpf"v j g"nq y"ukfg"ujcm"dg"pq"nguu"v j cp";" kpe j gu"452" o o "+"cdqxg"v j g"Eqqt"\*Hki"8\*c+"cpf"8\*d++"K"v j g"ukfg"tgcej"ku"qxgt"cp"qduvtwevkqp."v j g"tgcej"cpf" engctcpegu"ujcm"dg"cu"ujqyp"kp"Hki"8\*e+"Hqt" o qwpv kpi" j gki j v u"uwkvc dng"kp"ue j qqu"cpf"qv j gt"hccknkvgu" wugf" primarily by children, see section 2.1.1.



(a) Clear Floor Space Parallel Approach



(b) Jki j"cpf"Nq y"Ukfg"TGcej"Nk o kv



(c) Oczk o w o "Ukfg"TGcej"qxgt"Qduvtwevkqp

**Hki"8  
Side Reach**

4.3	Cee guuk dng" Tq wvg()
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**60503, I gpgt cn" Cnn" y cnmu." j cnuu." eqttkfqtu." ckungu." um{ y cnmu." vwppgnu." i gpgt cn" ektewncvkqp" tqwvgu." cpf" qv j gt" spaces that are part of an accessible route shall comply with 4.3.**

**4.3.2 Location.**

(1) At least one accessible route within the boundary of the site shall be provided from public transportation uvr u." ceeguuk dng" rctmkpi" cpf" ceeguuk dng" rcuugp i gt" hqcfkpi" | qpqu." cpf" rwdnke" uvtggvu" qt" ukfg y cnmu" vq" v j g" ceeguuk dng" dwknfkpi" gptcpeg" v j g{ "ugtxg" V j g" ceeguuk dng" tqwvg" u j cnuu." vq" v j g" o czk o w o "gzvgpv" hgcuk dng." eqkpekfg" y kv j "v j g" tqwvg" hqt" v j g" i gpgt cn" rwdnke" wpnguu" v j cv" tqwvg" y qwnf" xkqncv g" 60504\*7+0

\*4+"Cv"ngcu v" qpg" ceeguuk dng" tqwvg" u j cnuu" eqppge v" ceeguuk dng" dwknfkpi u." hccknkvgu." gng o gpvu." cpf" urcegu" v j cv" ctg" on the same site.



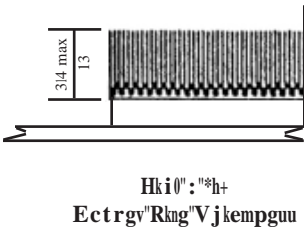
4.5	Ground and Floor Surfaces.
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**60703**, "I gpgt c n 0" I tqw p f " c p f " E q q t " u w t h c e g u " c n q p i " c e e g u u k d n g " t q w v g u " c p f " k p " c e e g u u k d n g " t q q o u " c p f " u r c e g u " k p e n w f k p i " E q q t u . " y c n m u . " t c o r u . " u v c k t u . " c p f " e w t d " t c o r u . " u j c n n " d g " u v c d n g . " f t o . " u n k r / t g u k u v c p v . " c p f " u j c n n " e q o r n { " y k v j " 6070 " U q h w " q t " n q q u g " o c v g t k e n u " u w e j " c u " u c p f . " i t c x g n . " d e t m . " o w n e j " q t " y q q f " e j k r u " c t g " p q v " u w k v c d n g 0 " E q d d n g / u v q p g " c p f " v j g t " k t t g i w n c t " u w t h c e g u " j c x k p i " c " v g z v w t g " v j c v " e q p u v k v w v g u " c p " q d u v c e n g " q t " j c | c t f . " u w e j " c u " k o r t q r / g t n { " n c k f " E c i u v q p g . " u j c n n " p q v " d g " c " r c t v " q h " c e e g u u k d n g " t q w v g u . " u r c e g u " c p f " g n g o g p v u 0

**60704** "E j c p i g u " k p " N g x g n 0 " E j c p i g u " k p " n g x g n " w r " v q " 3 1 6 " k p e j g u " \* 8 " o o + " o c { " d g " x g t v k e c n " c p f " y k v j q w v " g f i g " v t g c v / o g p v " \* u g g " H k i 0 " \* 9 \* e + + 0 " E j c p i g u " k p " n g x g n " d g v y g g p " 3 1 6 " k p e j g u " c p f " 3 1 4 " k p e j g u " \* 8 " o o " c p f " 3 5 " o o + " u j c n n " d g " d g x / g n g f " y k v j " c " u n q r g " p q " i t g c v g t " v j c p " 3 > 4 " \* u g g " H k i 0 " \* 9 \* f + + 0 " E j c p i g u " k p " n g x g n " i t g c v g t " v j c p " 3 1 4 " k p e j g u " \* 3 5 " o o + " u j c n n " be accomplished by means of a ramp that complies with 4.7 or 4.8.

**60705**, "E c t r g v 0 " K h " e c t r g v " q t " e c t r g v " v k n g " k u " w u g f " q p " c " i t q w p f " q t " E q q t " u w t h c e g . " v j g p " k v " u j c n n " d g " u g e w t g n { " c v / v c e j g f = " j c x g " c " f t o " e w u j k q p . " r c f . " q t " d c e m k p i . " q t " p q " e w u j k q p " q t " r c f = " c p f " j c x g " c " n g x g n " n q q r . " v g z v w t g f " n q q r . " n g x g n " e w v " r k n g . " q t " n g x g n " e w l w p e w v " r k n g " v g z v w t g 0 " V j g " o c z k o w o " r k n g " v j k e m p g u u " u j c n n " d g " 3 1 4 " k p e j g u " \* 3 5 " o o + " \* u g g " H k i 0 " : \* h + + 0 " G z r q u g f " g f i g u " q h " e c t r g v " u j c n n " d g " h c u v p g p f " v q " E q q t " u w t h c e g u " c p f " j c x g " v t k o " c n q p i " v j g " g p v k t g " n g p i v j " q h " v j g " g z r q u g f " g f i g 0 " E c t r g v " g f i g " v t k o " u j c n n " e q o r n { " y k v j " 607040

**60706** " I t c v k p i u 0 " K h " i t c v k p i u " c t g " n q e c v g f " k p " y c n m k p i " u w t h c e g u " q t " c n q p i " c e e g u u k d n g " t q w v g u . " v j g p " v j g { " u j c n n " j c x g " u r c e g u " p q " i t g c v g t " v j c p " 3 1 4 " k p e j g u " \* 3 5 " o o + " y k f g " k p " q p g " f k t g e v k p " \* u g g " H k i 0 " : \* i + + 0 " K h " i t c v k p i u " j c x g " g n q p i c v g f " q r g p k p i u . " v j g p " v j g { " u j c n n " d g " r n c e g f " u q " v j c v " v j g " n q p i " f k o g p u k q p " k u " r g t r g p f k e w n c t " v q " v j g " f q o k p c p v " f k t g e v k p " q h " v t c x g n " \* u g g " H k i 0 " : \* j + + 0



4.13	Doors.
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**603503** " I g p g t c n 0 " F q q t u " t g s w k t g f " v q " d g " c e e g u u k d n g " d { " 603 " u j c n n " e q o r n { " y k v j " v j g " t g s w k t g o g p v u " q h " 60350

**603504** " T g x q n x k p i " F q q t u " c p f " V w t p u v k n g u 0 " T g x q n x k p i " f q q t u " q t " v w t p u v k n g u " u j c n n " p q v " d g " v j g " q p n { " o g c p u " q h " r c u u c i g " c v " c p " c e e g u u k d n g " g p v t c p e g " q t " c n q p i " c p " c e e g u u k d n g " t q w v g 0 " C p " c e e g u u k d n g " i c v g " q t " f q q t " u j c n n " d g " r t q x k f g f " c f l c e g p v " v q " v j g " v w t p u v k n g " q t " t g x q n x k p i " f q q t " c p f " u j c n n " d g " u q " f g u k i p g f " c u " v q " h c e k n k v c v g " v j g " u c o g " w u g " r c v w t p 0

**603505** " I c v g u 0 " I c v g u . " k p e n w f k p i " v k e m g v " i c v g u . " u j c n n " o g g v " c n n " c r r n k e c d n g " u r g e k f e c v k q p u " q h " 60350

**603506** " F q w d n g / N g c h " F q q t y c { u . If doorways have two independently operated door leaves, then at least one n g c h " u j c n n " o g g v " v j g " u r g e k f e c v k q p u " k p " 603507 " c p f " 603508 0 " V j c v " n g c h " u j c n n " d g " c p " c e v k x g " n g c h 0

**603507** " E n g e t " Y k f v j 0 " F q q t y c { u " u j c n n " j c x g " c " o k p k o w o " e n g t " q r g p k p i " q h " 54 " k p e j g u " \* : 37 " o o + " y k v j " v j g " f q q t " q r g p " ; 2 " f g i t g g u . " o g c u w t g f " d g v y g g p " v j g " h c e g " q h " v j g " f q q t " c p f " v j g " q r r q u k v g " u v q r " \* u g g " H k i 0 " 46 \* c + . " 46 \* d + . " 46 \* e + . " c p f " 46 \* f + + 0 " Q r g p k p i u " o q t g " v j c p " 46 " k p e j g u " \* 832 " o o + " k p " f g r v j " u j c n n " e q o r n { " y k v j " 60403 " c p f " 60505 " \* u g g " H k i 0 " 24(e)).

GZEGRVKQP<"Fqqtu"pqv"tgswktpi"hwmm"wgut"rcuucig."uwej"cu"ujcnnqy"enqugvu."oc{"jcxg"vjg"engct"qrgpkpi" reduced to 20 inches (510 mm) minimum.

**603508** Ocpwxgtpi"Engctcegu"cv"Fqqtu"Okpkow"ocpwxgtpi"engctcegu"cv"fqqtu"vjcv"ctg"pqv" cwvqocvke"qt"rqygt/cuukvgf"ujcnn"dg"cu"ujqyp"kp"Hki0"470"Vjg"Eqqt"qt"itqwpf"ctgc"ykvj"kp"vjg"tgswkgtf" clearances shall be level and clear.

GZEGRVKQP<"Gpvt{"fqqtu"vq"cewvg"ectg"jqurkvcn"dgftqo"u"ht"kp/rcvkgpvu"ujcnn"dg"gzg"orvgf"htqo"vjg" tgswkgt"ogpvt"urceg"cv"vjg"ncvej"ukfg"qh"vjg"fqqt"ugg"fk"ogpukqp"öz÷"kp"Hki0"47+"kh"vjg"fqqt"ku"cv"ngcu"66" inches (1120 mm) wide.

**4.13.7 Two Doors in Series**"Vjg"okpkow"urceg"dgvyggp"vyq"jkpigf"qt"rkxqvgf"fqqtu"kp"ugtkgu"ujcnn"dg"6:" kpejgu"\*3442"oo+rnuw"vjg"ykvj"qh"cp{"fqqt"uykpi"kpvc"vjg"urceg"0"fqqtu"kp"ugtkgu"ujcnn"uykpi"gvjgt"kp" vjg"ucog"fkgtgkqp"qt"cy{"htqo"vjg"urceg"dgvyggp"vjg"fqqtu"ugg"Hki0"48+0

**60350** ,"Vjgtgujgnfu"cv"Fqqt"y"cu"0"Vjgtgujgnfu"cv"fqqt"y"cu"ujcnn"pqv"gzegf"516"kpejgu"\*3;"oo+"kp"jgkijv" hqt"gzvgtkqt"unkfki"fqqtu"qt"314"kpejgu"\*35"oo+"ht"qvjgt"v"rgu"qh"fqqtu"0"Tkugf"vjgtgujgnfu"cpf"Eqqt"ngxgn" e"jcpigu"cv"ceeguukdng"fqqt"y"cu"ujcnn"dg"dgxngf"ykvj"cu"unqrg"pq"itgcvgt"v"jcp"3<4"\*ugg"60704+0

**4.13.9\* Door Hardware**"Jcpfn"gu."rwnu."ncvejgu."nqemu."cpf"qvjgt"qrgtcvki"fgxkegu"qp"ceeguukdng"fqqtu" ujcnn"jcxg"cu"ujcrg"vjcv"ku"gc{"vq"itcur"ykvj"qpg"jcpf"cpf"fgu"pqv"tgswkgt"vki"jv"itcurkpi."vki"jv"rkpejki"qt" v"ykvkpi"qh"vjg"ytku"vq"qrgtcvg"0"Ngxgt/qrgtcvgf"ogejcpkuou."rwuj/v"rg"ogejcpkuou."cpf"W/ujcrgf"jcpfn"gu" ctg"ceegrvc"dg"fgukipu"0"Yjgp"unkfki"fqqtu"ctg"hwmm{"qrgp."qrgtcvki"jctfyctg"ujcnn"dg"gzrqugf"cpf"wu"cdng" htqo"dqvj"ukfgu"0"Jctfyctg"tgswkgtf"htq"ceeguukdng"fqqt"rcuucig"ujcnn"dg"o"qwpvgf"pq"jki"jgt"v"jcp"6:"kpejgu" \*3442"oo+"cdq"fg"pkujgf"Eqqt

**4.13.10\* Door Closers.** If a door has a closer, then the sweep period of the closer shall be adjusted so that htqo"cp"qrgp"rqkvkqp"qh"92"fgitggu."vjg"fqqt"ykm"vcmg"cv"ngcu"5"ugeqpfu"vq"o"qxg"vq"c"rqkv"5"kpejgu"\*97" oo+"htqo"vjg"ncvej."ogcuwtgf"vq"vjg"ngcfkpi"gf"ig"qh"vjg"fqqt

**6035033** ,"Fqqt"Qrgpkpi"Hqtegl"Vjg"oczko"wo"hqtegl"ht"rwujkpi"qt"rwnkpi"qrgp"c"fqqt"ujcnn"dg"cu"hqnnqy"u<

\*3+"Hktg"fqqtu"ujcnn"jcxg"vjg"okpkow"qrgpkpi"hqtegl"cmqycdng"d{"vjg"cr"rtq"rktcvg"" " " administrative authority.

\*4+"Qvjgt"Fqqtu

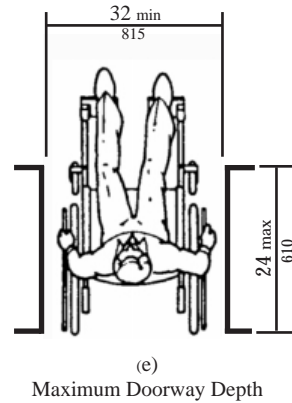
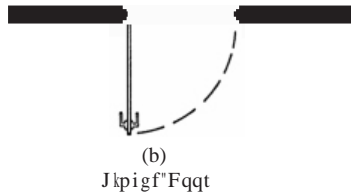
" \*c+"gzvgtkqt"jkpigf"fqqtu<"Tgugtxgf+0

" \*d+"kpvgtkqt"jkpigf"fqqtu<"7"ndh"\*4404"P+

" \*e+"unkfki"qt"hnfki"fqqtu<"7"ndh"\*4404"P+

Vjgug"hqtegl"fq"pqv"cr"rn{"vq"vjg"hqtegl"tgswkgtf"vq"tgvte"ncvej"dnvu"qt"fkugpicig"qvjgt"fgxkegu"vjcv"oc{" hold the door in a closed position.

**6035034** ,"Cwvqocvke"Fqqtu"cpf"Rqygt/Cuukvgf"Fqqtu. If an automatic door is used, then it shall comply ykvj"CPUKIDJOC"C378032/3;"70"Unqyn{"qrgpkpi."nqy/rqygtgf."cwvqocvke"fqqtu"ujcnn"eqorn{"ykvj"CPUK" C37803;/3;"60"Uwej"fqqtu"ujcnn"pqv"qrgp"vq"dcem"ejgem"hcuvgt"v"jcp"5"ugeqpfu"cpf"ujcnn"tgswkgt"pq"o"qtg" v"jcp"37"ndh"\*8808"P+"vq"uvqr"fqqt"o"qxg"ogp"0"Kh"c"rqygt/cuukvgf"fqqt"ku"wguf."kvu"fqqt/qrgpkpi"hqtegl"ujcnn" eqorn{"ykvj"6035033"cpf"kvu"enqukpi"ujcnn"eqphqt"o"vq"vjg"tgswkgt"ogp"kp"CPUK"C37803;/3;"60"Kh"wgut/ operated controls are provided they shall comply with section 4.27.



**Hki 46**  
**Engct Fqqt y c { Ykf v j c p f Fgr v j**

4.24	Ukpmu0
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**604603 I gpgt c n.**

\*3+ "Ukpmu" tgs wkt g f "vq" dg "ceeguukdng" d { "603" u j c n n e q o r n { "y k v j" 60460

\*4+ "Hqt" o qwpvkpi "jgkijvu" c p f "hcewgv" t g c e j / t c p i g u "u w k v c d n g" k p "u e j q q n u" c p f "q v j g t" h c e k n k v g u "w u g f" r t k o c t k n { "d { children see section 2.1.1.

**604604 J g k i j v 0** "Ukpmu" u j c n n d g "o q w p v g f" y k v j "v j g" e q w p v g t "q t" t k o "p q" j k i j g t "v j c p" 56 "k p e j g u" \* : 87 "o o + " c d q x g " v j g " i p k u j " ( E q q t )

**4.24.3 Knee Clearance** 0 "M p g g" e n g c t c p e g "v j c v" k u "c v" n g c u v "49" k p e j g u " \* 8 : 7 " o o + " j k i j . " 52 " k p e j g u " \* 982 " o o + " y k f g . " c p f " 3 ; " k p e j g u " \* 6 : 7 " o o + " f g g r " u j c n n d g " r t q x k f g f " w p f g t p g c v j " u k p m u 0

**604606 Fgr v j 0** "G c e j" u k p m " u j c n n d g " c " o c z k o w o " q h " 8 / 3 1 4 " k p e j g u " \* 387 " o o + " f g g r 0

**604607 Engct Hnqt U r c e g 0** "C" e n g c t " E q q t " u r c e g " c v " n g c u v " 52 " k p e j g u " d { " 6 : " k p e j g u " \* 982 " o o " d { " 3442 " o o + " e q o r n { k p i " y k v j " 60406 " u j c n n d g " r t q x k f g f " k p " h t q p v " q h " c " u k p m " v q " c n n q y " h q t y c t f " c r r t q c e j 0 " U k p m u " k p u v c n n g f " k p " c n e q x g u " f g g r g t " v j c p " 46 " k p e j g u " t g s w k t g " c f f k v k q p c n " o c p g w x g t k p i " c t g c " \* u g g " H k i w t g " 6 \* g + 0 " V j g " e n g c t " E q q t " u r c e g " u j c n n d g " q p " c p " c e e g u u k d n g " t q w v g " c p f " u j c n n g z v g p f " c " o c z k o w o " q h " 3 ; " k p e j g u " \* 6 : 7 " o o + " w p f g t p g c v j " v j g " u k p m " \* u g g " H k i 0 " 54 + 0

**604608 Gz r q u g f " R k r g u " c p f " U w t h c e g u 0** "J q v" y c v g t " c p f " f t c k p " r k r g u " g z r q u g f " w p f g t " u k p m u " u j c n n d g " k p u w n c v g f " q t " q v j g t y k u g " e q p i " i w t g f " u q " c u " v q " r t q v g e v " c i c k p u v " e q p v c e v 0 " V j g t g " u j c n n d g " p q " u j c t r " q t " c d t c u k x g " u w t h c e g u " w p f g t " u k p m u 0

4.30	Ukipci g 0
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**605203, " I g p g t c n 0** "U k i p c i g " t g s w k t g f " v q " d g " c e e g u u k d n g " d { " 603 " u j c n n e q o r n { " y k v j " v j g " c r r n k e c d n g " r t q x k u k q p u " q h " 4.30.

**605204, " E j t c e v g t " R t q r q t v k q p 0** "N g w g t u " c p f " p w o d g t u " q p " u k i p u " u j c n n " j c x g " c " y k f v j / v q / j g k i j v " t c v k q " d g v y g g p " 5 < 7 " c p f " 3 < 3 " c p f " c " u w t q m g / y k f v j / v q / j g k i j v " t c v k q " d g v y g g p " 3 < 7 " c p f " 3 < 3 2 " w u k p i " " c p " w r r g t / e c u g " 6 Z ÷ " h q t " o g c u w t g o g p v 0 " N q y g t / e c u g " n g w g t u " c t g " r g t o k v g f 0

**605205** Qxgtjgcf"Ukipu" E jctcevgtu"cpf"pw o dgtu"qp"qxgtjgcf"uki pu"ujcnn"dg"uk|gf"ceeqtfkpi"vq"vjg"xkgykpi" fkuwpeg"htq o"y jkej"vjg{"ctg"vq"dg"tgc f"Vjg" o kpk o w o"jgkijv"ku" o gcuwtgf"wukpi"cp"wr rgt/ecug"Z0"Nqygt/" case characters are permitted.

Jgkijv"Cdqxg"Hkpkujg"Hnqqt	O kpk o w o "E jctcevgt" Jgkijv
Uwurgpfgf"qt"Rtqlgevgf"Qxgtjgcf" in compliance with 4.4.2	3 inches (75 mm) minimum

**605206**, "Tckugf"cpf"Dtckmgf"E jctcevgtu"cpf"Rkevqtckn"U{ o dqn"Ukipu"\*Rkevqitc o u+. Letters and numerals u j c n n " d g " t c k u g f " 3 1 5 4 " q h " c p " k p e j . " w r r g t " e c u g . " u c p u " u g t k h " q t " u k o r n g " u g t k h " v { r g " c p f " u j c n n " d g " c e e q o r c p k g f " y k v j " I t c f g " 4 " D t c k m g " 0 " T c k u g f " e j c t c e v g t u " u j c n n " d g " c v " n g c u v " 7 1 : " k p e j g u " \* 3 8 " o o + " j k i j . " d w v " p q " j k i j g t " v j c p " 4 " k p e j g u " \* 7 2 " o o + " R k e v q i t c o u " u j c n n " d g " c e e q o r c p k g f " d { " v j g " g s w x c n g p v " x g t d c n " f g u e t k r v k q p " r n c e g f " f k t g e v n { " d g n q y " v j g " r k e v q i t c o " 0 " V j g " d q t f g t " f k o g p u k q p " q h " v j g " r k e v q i t c o " u j c n n " d g " 8 " k p e j g u " \* 3 7 4 " o o + " o k p k o w o " k p " j g k i j v }

**605207**, "Hkpkuj"cpf"Eqpvtcu"Vjg"e jctcevgtu"cpf"dcemi tqwpf"qh"uki pu"ujcnn"dg"gi i u j g n n . " o c w g . " q t " q v j g t " p q p / i n c t g " 1 p k u j " 0 " E j c t c e v g t u " c p f " u { o d q n u " u j c n n " e q p v t c u v " y k v j " v j g t " d c e m i t q w p f " o g k v j g t " n k i j v " e j c t c e v g t u " q p " c " f c t m " d c e m i t q w p f " q t " f c t m " e j c t c e v g t u " q p " c " n k i j v " d c e m i t q w p f }

**605208** Oqwpvki"Nqecvkq"cpf"Jgkijv" Y jgtg"rgt o cpgpv"kfpgvk l e cvkq"ku"rtqxfgf"ht"tqq o u"cpf"urcegu." u k i p u " u j c n n " d g " k p u v c n n g f " q p " v j g " y c n n " c f l c e g p v " v q " v j g " n c e v j " u k f g " q h " v j g " f q q t " 0 " Y j g t g " v j g t g " k u " p q " y c n n " u r c e g " v q " v j g " n c e v j " u k f g " q h " v j g " f q q t . " k p e n w f k p i " c v " f q w d n g " n g c h " f q q t u . " u k i p u " u j c n n " d g " r n c e g f " q p " v j g " p g c t g u v " c f l c e g p v " y c n n " 0 " O q w p v k i " j g k i j v " u j c n n " d g " 8 2 " k p e j g u " \* 3 7 4 7 " o o + " c d q x g " v j g " 1 p k u j " E q q t " v q " v j g " e g p v g t n k p g " q h " v j g " u k i p " 0 " O q w p v k i " n q e c v k q " h q t " u w e j " u k i p c i g " u j c n n " d g " u q " v j c v " c " r g t u q p " o c { " c r r t q c e j " y k v j k p " 5 " k p e j g u " \* 9 8 " o o + " q h " u k i p c i g " y k v j q w v " g p e q w p v g t k p i " r t q v t w f k p i " q d l g e v u " q t " u v c p f k p i " y k v j k p " v j g " u y k p i " q h " c " f q q t " \* u g g " H k i 0 " 6 5 \* g + + }

**605209**, "U{ o dqn"qh"Ceeguukdnkv{.

\*3+"Hceknkvku"cpf"ngng o gpvu"tgswtgfv"vq"dg"kfpgvk l g f " c u " c e e g u u k d n g " d { " 6 0 3 " u j c n n " w u g " v j g " k p v g t p c v k q p c n " u { o d q n " q h " c e e g u u k d n k v { 0 " V j g " u { o d q n " u j c n n " d g " f k u r n c { g f " c u " u j q y p " k p " H k i 0 " 6 5 \* c + " c p f " 6 5 \* d + }

\*4+"Xqnw o g"Eqpvtqn"Vgngr jppgu"Vgngr jppgu"tgswtgfv"vq"jcxg"cxgnw o g"eqpvtqn"d{"60305\*39+\*d+"ujcnn"dg" k f g p v k l g f " d { " c " u k i p " e q p v c k p k p i " c " f g r k e v k q p " q h " c " v g n g r j p p g " j c p f u g v " y k v j " t c f k c v k p i " u q w p f " y c x g u }

\*5+"Vgzv"Vgngr jppgu"Vgzv"vgngr jppgu"tgswtgfv"d{"60305\*39+\*e+"ujcnn"dg"kfpgvk l g f " d { " v j g " " " " k p v g t p c v k q p c n " V F F " u { o d q n " \* H k i 0 " 6 5 \* e + + 0 " K p " c f f k v k q p . " k h " c " h c e k n k v { " j c u " c " r w d n k e " v g z v " v g n g r j p p g . " " " f k t g e v k q p c n " u k i p c i g " k p f k e c v k p i " v j g " n q e c v k q p " q h " v j g " p g c t g u v " v g z v " v g n g r j p p g " u j c n n " d g " r n c e g f " " " " c f l c e g p v " v q " c n n " d c p m u " q h " v g n g r j p p g u " y j k e j " f q " p q v " e q p v c k p " c " v g z v " v g n g r j p p g " 0 " U w e j " f k t g e v k q p c n " " " u k i p c i g " u j c n n " k p e n w f g " v j g " k p v g t p c v k q p c n " V F F " u { o d q n " 0 " K h " c " h c e k n k v { " j c u " p q " d c p m u " q h " v g n g r j p p g u . " " " v j g " f k t g e v k q p c n " u k i p c i g " u j c n n " d g " r t q x k f g f " c v " v j g " g p v t c p e g " \* g 0 i 0 . " k p " c " d w k n f k p i " f k t g e v q t { + }

\*6+"Cuukvkg"Ngxgnu"U{uvgo u"Kp"cuug o dn{"ctgcu"y jgtg"rgt o cpgpv{"kpuvcnngf"cuukvkg"hkuvgkpi"u{uvgo u" ctg"tgswtgfv"d{"60305\*3;+\*d+"vjg"cxckncdkkv{"qh"uwej"u{uvgo u"ujcnn"dg"kfpgvk l g f " y k v j " u k i p c i g " v j c v " k p e n w f g u " v j g " k p v g t p c v k q p c n " u { o d q n " q h " c e e g u u " h q t " j g c t k p i " n q u u " \* H k i 0 " 6 5 \* f + + }

**60520:** , "Knnw o kpcvkq"Ngxgnu" \*Tgugt xgf +



(a)  
Proportions  
International Symbol of Accessibility



(b)  
Display Conditions  
International Symbol of Accessibility

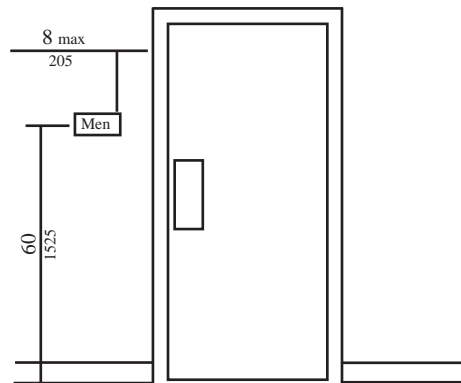


(c)  
International TDD symbol



(d)  
International Symbol of Access  
hqt" J gctkpi "Nquu

Hki"65"\*côf+  
International Symbols



Hki"65"\*g+  
Ukipcig"Oqwpvkpi  
Nqecvkqp"cpf" Jgkijv

4.32 Hkzgf"qt"Dwknv/kp"Ugcvkpi "cpf"Vcdngu0

605403" I gpgtca.

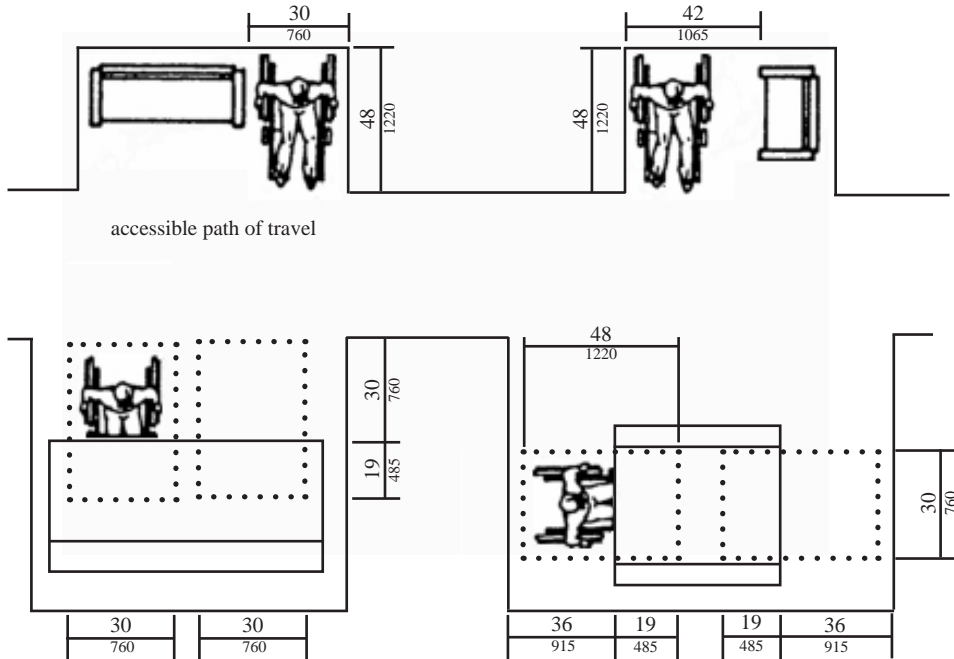
\*3+"Hkzgf"qt"dwknv/kp"ugcvkpi "qt"vcdngu"tgswtgfv"vq"dg"ceeguukdng"d{"603"ujcmm"eq o rn{"ykvj"60540"

\*4+"Hqt" o qwpvkpi "jgkijvu"uwkvcndg"kp"uejqqu"cpf"qvjgt"hceknkvku"wugf" rtk o ctkn{"d{"ejknftgp."ugg"ugcvkqp"  
2.1.1.

605404 Ugcvkpi 0"Kh"ugcvkpi "urcegu"hqt"rgqrng"kp"y jggnejcktu"ctg"rtqxfgf"cv"zgf"vcdngu"qt"eqwvpgtu."engct"  
 (Eqqt"urceg"eq o rn{kpi"ykvj"60406"ujcnn"dg"rtqxfgf"Uwej"engct"(Eqqt"urceg"ujcnn"pqv"qxgtncr"mpgg"urceg"d{  
 oqtg"vjcp"3;"kpejgu"\*6:7" o o+"\*ugg"Hki 0'67+0

4.32.3 Knee Clearances 0"Kh"ugcvkpi "hqt"rgqrng"kp"y jggnejcktu"ku"rtqxfgf"cv"vcdngu"qt"eqwvpgtu."mpgg"urcegu"  
 cv"ngcu"49"kpejgu"\*8:7" o o+"jki j."52"kpejgu"\*982" o o+"ykgf."cpf"3;"kpejgu"\*6:7" o o+"fggr"ujcnn"dg"rtq/  
 xkfgf"\*ugg"Hki 0'67+0

605406, "Jgkijv"qh"Vcdngu"qt"Eqwvpgtu. The tops of accessible tables and counters shall be from 28 inches  
 vq"56"kpejgu"\*932" o o"vq":87" o o+"cdqvg"vjg"i pkuj"(Eqqt"qt"i tqwvf0



Hki 0'67  
 Okp o w o "Engctpeg"hqt"Ugcvkpi  
 and Tables





kp"cp"o qwpv"pqv"vq"gzeggf"&3720" J { ftquvcvke"vguvki"qh" fgt"gzvki wku jgtu"pqv"rgthqt o gf" rwtuwcpv"vq"vjg"  
Wpkvgf"Uvcvgu" Fgrctv o gpv"qh"Vtcurqvtvcvqpp"urgek fcevcvqpu"ujcm"dg"rgthqt o gf"cu"tgeq o o gpf"gf"d{ "vjg"  
Pcvkqpcn"Hktg"Rtqvgevkqp"Cuuqekcvkqpl

\*h+"Vjg"Uvcvg"Dqctf"qh"kpwtcpeg"ujcm." ykvj"kp"vjg"nk o kvu" fgt"zgf"d{ "vjku"ugevkqp." r tguetkdg"vjg"hggu"vq"dg"  
\*\*\*\*\*ejctigf"wpfgt"vjku"ugevkqpl

**Required Insurance**

**Section 4A.**

\*c+"Vjg"dqctf"ujcm"pqv"kuuwg"cegtvk fcevg"qh"tgi kuvtcvqpp"wpfgt"vjku"ctvkeng"wpnguu"vjg"cr rnkcepv" fngu" ykvj"vjg"  
dqctf"gxkfgpeg"qh"ce"i gpgtcn"nkcdknkv{ "kpwtcpeg"rqnke{ "vjcv"kpenwfgu"rtqfwewu"cpf"eq o rnvvgf"qrgtcvqpu"  
eqxgtcig"Vjg"rqnke{ "o wuv"dg"eqpfkvkqpgf"vq"rc{ "qp"dgjcnh"qh"vjg"kpwtgfv"vjg"qg"uw o u"vjcv"vjg"kpwtgfv"  
dgeq o gu"ngicm{ "qdnkicv"vq"rc{ "cu"fc o ci gu"dgecwug"qh"dqfkn{ "kplwt{ "cpf"rtqrgtv{ "fc o ci g"ecwugf"d{ "  
cp"qeewttgpeg"kpwxkpi"vjg"kpwtgfv"qt"vjg"kpwtgfv"ugtxcpv."qh fgt."ci gpv."qt"g o r nq{ gg"kp"vjg"eqpfwev"  
qh"cp{ "dwukpguu"tg i kuvgtgfv"qt"nkegpugf"wpfgt"vjku"ctvkeng

\*d+"Vjg"nk o kvu"qh"kpwtcpeg"eqxgtcig"tgswtgfv"d{ "Uwdugevkqp"\*c+"qh"vjku"ugevkqp"ujcm"pqv"dg"nguu"vjcp"  
\*\*\*\*\*&322.222"eq o d kpgf"ukp ing"nk o kvu"ht"dqfkn{ "kplwt{ "cpf"rtqrgtv{ "fc o ci g"ht"gej"qeewttgpeg"cpf"  
\*\*\*\*\*pqv"nguu"vjcp"&522.222"ci i tgi cvg"ht"cnm"qeewttgpegu"rgt"rqnke{ "gct."wpnguu"vjg"dqctf"kpetgcugu"qt"  
decreases the limits under Section 8 of this article.

\*e+"Vjg"gxkfgpeg"qh"kpwtcpeg"tgswtgfv"d{ "vjku"ugevkqp" o wuv"dg"kp"vjg"ht o "qh"cegtvk fcevg"qh"kpwtcpeg"  
gzgewvgf"d{ "cp"kpwtgt"cwvjqtk|gf"vq"fq"dwukpguu"kp"vjku"uvcvg"cpf"eqwvgtuki pgf"d{ "cp"kpwtcpeg"ci gpv"  
nkegpugf"kp"vjku"uvcvg"cegtvk fcevg"qh"kpwtcpeg"ht"uwtrnwu"nkpgu"eqxgtcig"rtqewtgv"kp"eq o rnkcepv" ykvj"  
Ctvkeng"303664"qh"vjku"eqfg"vj tqw i j" c"nkegpugf"Vgzcu"uwtrnwu"nkpgu"ci gpv"tgukfgpv"kp"vjku"uvcvg" o c{ "dg"  
fngf" ykvj"vjg"dqctf"cu"gxkfgpeg"qh"eqxgtcig"tgswtgfv"d{ "vjku"ugevkqp"kpwtcpeg"egtk fcevgu"gzgewvgf"cpf"  
fngf" ykvj"vjg"dqctf"wpfgt"vjku"ugevkqp"tg o ckp"kp"htqteg"wpvkn"vjg"kpwtgt"jcu"vgt o kpcvvgf"hwvwtg"nkcdknkv{ "d{ "  
vjg"pqvkeg"tgswtgfv"d{ "vjg"dqctf

\*f+"Hcknwtg"vq" o ckpvckp"vjg"nkcdknkv{ "kpwtcpeg"tgswtgfv"wpfgt"vjku"ugevkqp"eqpukvvgu" i tqwvfu"ht"vjg"  
fgpkcn."uwurgpukqp."qt"tgxqecvqpp"qh"cegtvk fcevg"qh"tgi kuvtcvqpp"kuuwgf"wpfgt"vjku"ctvkeng"chvgt"pqvkeg"cpf"  
qr rqtwpkv{ "ht"jgctkpi

Ugnkpi"qt"Ngcukpi"qh"Rqtvcnng"Hktg"Gzvki wku jgtu"qt"Hkzgf"Hktg"Gzvki wku jgt"U{ uvgo u

**Section 5.**

\*c+"Pq"rqtvcnng" fgt"gzvki wku jgt." fgt" fgt"gzvki wku jgt"u{ uvgo ."qt"gzvki wku jgt"gswr o gpv" o c{ "dg"ngcugf."  
uqnf."tgpvgf."ugtxkegf."qt"kpucmngf"kp"vjku"uvcvg"wpnguu"kv"ecttkgu"ce"ncdgn"qh"cr r rtxcn"qt"nkuvkpi"qh"ce"vguvki"  
laboratory approved by the State Board of Insurance.

(b) Except as provided in Section 6 of this article, only the holder of a valid license or an apprentice permit  
kuuwgf" rwtuwcpv"vq"vjku"ctvkeng" o c{ "kpucm"qt"ugtxkeg"rqtvcnng" fgt"gzvki wku jgtu"qt"kpucm"cpf" o ckpvckp"  
 fgt" fgt"gzvki wku jgt"u{ uvgo u

\*e+"C"rgtuqp" y j q" jcu"dggp"kuuwgf"ce"nkegpug" rwtuwcpv"vq"vjku"ctvkeng"vq"kpucm"qt"ugtxkeg"rqtvcnng" fgt"  
gzvki wku jgtu"qt"kpucm"cpf"ugtxkeg" fgt" fgt"gzvki wku jgt"u{ uvgo u" o wuv"dg"cp"g o r nq{ gg."ci gpv."qt"  
ugtxcpv"qh"ce" fto "vjcv"jqnfu"cegtvk fcevg"qh"tgi kuvtcvqpp"kuuwgf" rwtuwcpv"vq"vjku"ctvkeng

\*f+"C"egtk fcevg"qh"tgi kuvtcvqpp."nkegpug."qt"rgt o kv"kuuwgf"wpfgt"vjku"ctvkeng"ku"pqv"vtcpuhgtcdng

## Exceptions

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\*d+"vjg"ugtxkeki"d{"c"ġto"qh"kvu"qyp"rqtvcnq"ġtg"gzvkiwkujgtu"cpflqt"ġzgf"u{uvgo"u"d{"kvu"qyp"rgtuqppgn"urgekcn{"vtckpgf"hqt"uwej"ugtxkeki"qt"vjg"kpucmckvqp"qh"rqtvcnq"ġtg"gzvkiwkujgtu"kp"c"dwknfkpi"d{"vjg"dwknfkpi"qypgt."vjg"qypgtu"o cpciki"ci gpv."qt"vjgkt"g o r n q { g g u = "

\*e+"vjg"kpucmckvqp"qt"ugtxkeki"qh"y cvgt"urtkpmngt"u{uvgo"u"kpucmckvqp"kp"eq o r n k c p e g " y k v j " v j g " P c v k q p c n " H k t g " R t q v e k q p " C u u q e k v k p u u " U v c p f c t f u " h q t " v j g " K p u c m c k v q p " q h " U r t k p m n g t " U { u v g o u = "

\*f+"ġto"u"gpicigf"kp"vjg"tgvcnkpi"qt"y j q n g u c n k p i " q h " r q t v c n q " ġ t g " g z v k i w k u j g t u " v j c v " e c t t { " c " n c d g n " q h " c r r t q x c n " q t " n k u v k p i " q h " c " v g u v k p i " n c d q t c v q t { " c r r t q x g f " d { " v j g " U v c v g " D q c t f " q h " K p u w t c p e g . " d w v " p q v " g p i c i g f " k p " v j g " k p u c m c k v q p " q t " u g t x k e k i " q h " v j g o = "

\*g+"ġtg"fgrectv o g p v u " u g t x k e k i " r q t v c n q " ġ t g " g z v k i w k u j g t u " c u " c " r w d n k e " u g t x k e g " y j g t g " p q " e j c t i g " k u " o c f g . " r t q x k f g f . " j q y g x g t . " v j c v " v j g " o g o d g t u " q h " v j g " ġ t g " f g r c t v o g p v " c t g " v t c k p g f " k p " v j g " r t q r g t " u g t x k e k i " q h " v j g " ġ t g " g z v k i w k u j g t u = "

\*h+"c"ġto"vjcv"ku"rctv{"vq"c"eqpvteev"y j k e j " r t q x k f g u " v j c v " v j g " k p u c m c k v q p " q h " r q t v c n q " ġ t g " g z v k i w k u j g t u " q t " c " ġ z g f " ġ t g " g z v k i w k u j g t u " u { u v g o " y k n n " d g " r g t h q t o g f " w p f g t " v j g " f k t g e v " u w r g t x k u k q p " q h " c p f " e g t v k ġ g f " d { " c " ġ t o " c r r t q r t k c v g n { " t g i k u v g t g f " v q " k p u c m " c p f " e g t v k h { " r q t v c n q " g z v k i w k u j g t u " q t " ġ z g f " u { u v g o " u " c p f " v j c v " v j g " t g i k u v g t g f " ġ t o " c u u w o g u " h w m n " t g u r q p u k d k n v { " h q t " v j g " k p u c m c k v q p = " q t

\*i+"c"Vgzcu"tgikuvgtgf"rtqhuukqpcn"gpikpggt"cevki"uqngn{"kp"jku"rtqhuukqpcn"ecrcekv{0