



СТО АВТОДОР 2.27-2016

ТРЕБОВАНИЯ К ОГРАНИЧИВАЮЩИМ ПЕШЕХОДНЫМ И ЗАЩИТНЫМ
ОГРАЖДЕНИЯМ НА АВТОМОБИЛЬНЫХ ДОРОГАХ ГОСУДАРСТВЕННОЙ
КОМПАНИИ РОССИЙСКИЕ АВТОМОБИЛЬНЫЕ ДОРОГИ

Библиотека нормативных документов

Завод МЗМК · mz-mk.ru

— aF.^9.7._o^"r1"^^.oP

IOCYAAPCTBEHHA-g KOMTIAHII,fi <POCCIIIICKI,IE ABTOMOBII{NbHbIE,IIOHOTI,I}>
(rocyAAPCTBEHHA_g KOMrrAHr,rt <ABTOAOP>)

// a-? l.ory, ilPUKA3

Mocrsa / z> xz ,)/ lo 7-

— o s'ece'[[usuenenufiB cra'Aapr rocyAapcree'uofi rcounauuu <<AnroAop>> cro ABTOAOP
2.27-2016 <<Tpe6oeanunK orpaHrrruBaroulrrM [errexoAHbrM r.l 3arrrr'rHbrM orpaxAeH[qM
Ha asromo6IJrbHbrx Aoporax rocyAapcneuuoofi KoMnanrrr <<ABTOAop>, JrrBepr(rAeHHbrft
npnrarolr or 17.08.2016 l& 160

B coorsercrsuuc rpe6onaHlrMr,r rexHr,rqeckKoro pe raMeHTa TalaoxeHoro corosa
<<Begonacnocr asroN,ro6r.rrbHbrx Aopor) TP TC 0141z0l lun qerax aKTy€rJrr.r3arl4r4
uopnaaruoufi 6aSHg o6lacru 6esonacHocrl4 .qopoxHoro ABr,Dr(eHl,rr, peuraMe HTp4poBaH[t
rpe6onauuft KoHcrpyKrrMv Marepr.raJraM orpaHr4qr,rBaK)rrlrix [e[exoAHLrx tl 3aullrHhix
orpax4euuft l4 ycraHoBJeHvt rpaBvlt ax [puMeHeHr{r Ha aBToMo6opocrux Aopomx
focy4apcneHofi rovnauuu <<Ar:rogop>> IIPIKA3bIBAIO :

I . Bnecru cJleAylorlle LI3MeHeHr4f, B craHAapr focy4apcneHofi xolmanlrz <Aato4op> CTO
ABTOAOP 2.27-2016 <Tpe6onauvxK ofpaHrzzBaroqt4M reuxoAubrM lr 3aUILITHbIM
orpaxAeHl4tM na asroN,lo6unbHbix Aoporax focy4apcneHofi xorrlnaslru

<Aarogop>, yepxgenrrfi npr,rra3oM orl 7.08.20 l 6 Ns 1 60 : 1.1. llynx 4.7.1 rrtar,u 4
<<OcnosHbre rroJroxehr4r) r.r3Jroxr.rrbn cneAyroqfi

— peAaKlr,r,lr4:

<<4.7.1 3aryrHLle orpaxAeHlrl ycrauaBJrr.rBaror Ha) racrxax nepecevenr nyrei Mr,rtpaqrl
Aaux xr,rBorHbxc asrovo6r.urblLrMr,r AoporaM[c LrHTeHcu BHocrbro

ABr,rxehr,rrr He MeHee 2000 azr./cyrrLr no fpaulrle [oJrocLr orBoAa r{ He MeHee qeM Ha 500
un Kaxlyro cropoHy or ycraHoBt{Brrerocr rryrr.t ABr,rxehr4r]Kr4Boruhx)). 1.2. flynx 5.8 rrrasH 5
<O6rque rpe6oraHnx ycpoic'rry orpaHr4qlrBarulrx orpax4enufr > t43Jro)Kr.rrbn cne4yropqefi
peAaKlr,r,ru: <5.8 Brrcora 3arrlrrHhrx orpaNgenzf AoJrxHa 6rrt ne uenee 2,0 u. Ha yuacrax
nepeceqeHrar nyrefr uzrpaqu runtrr xrrBorHbrxc asro4o6[rufi goporofi (clr. n.n.

4.7. 1) nrrcory 3aurllTHoro orpax,qeHr.r Ha3HaqarorB 3aBv cr,rMocr.r or KoJrr.F{ecrBa,
BriAoBbrx nropSoverpluecrux r4 [oBeAeHqecKr4x oco6enuocrei Mr.rpuyorrl{x xl,rBorHrx,
nau6olee qacro nepect<aronlvx ee Ha BbrBJreHHbrx pauee)Aacrax, c freroM ToJlITllHrl
cHexHoro noKpoBaK KoHrly 3r,rMbr AJrf, AaHHoro pafona crpor4TeJrbcrBa lr Bbrq[cJrrreTcx no
\$oppr,ryne (l):

— rAe: h, - nsrcora cHexHoro [oKpoBa AJrr 3aAaHHoro pafioHa crpordreJrbcrBaB

— cooTBeTcTBr,r4 C MeTeOpoJlorr4qecKl4Mr4 AaHHbIMl,U h" - rpe6yeM€r Bhrcora
orpoKAehr4r 6es yrera cuexoro [oKpoBa, olpeAelfleMailB 3aBI{CLIMOCTLI OT Brlla
lfl/TBOTHEIX. 3naeue napaMerpa hu uasnaaercx: - [pr.l HaJrr4rlr,[\ MJleKorr4Taroqux
cpeAH[x pa3MepoB (eafiqu, lucrr, xa6anHu 4.p.) He MeHee 2,0 M; - [pr,r HaJrr{qur4
MJreKonr,rrErro lr4x KpynHbrx pa3MepoB (locu, olenz rd A.p.), He MeHee 2,5 M.)). 1.3. B
ra6.nraqe 3 (Aolcrr,rMhre orKJoHe'r{r feoMerpyeckKnx [apaMe,rpoB olop ofpaxAenr.r>
l{cKJrrroqLrrE TeKcr (Ho He Meuee *0.5 runr>. 1.4. B raftuue 6 <<KolrqecrBo KpelrJleHr{fi ua
o4ny ofiopy) 3aMeHlrb 3HaqeHr4e ruara (pacrporer) uex,4y KpenJreHr,rrMr,r ua o4nofi
olope .qJrr Bbrcorbr 2000 narr,r na <500)). 2. Pyxono4zzeraM crpyrTypH'rx rroAa3AeJrenzi
focy4apcneHofi KoM[aErr' <<Poccyfrce asroNro6uruHbre Aoporr>, B ToM qucne
o6oco6ennrrx, o6ecneq6 KoHrporrE ra co6no4eueu r*pe6onanzf CTo ABTOAOP

2.27-2016 <<Tpe6onanr.rxx orpaHuqnBaroql,IM neuexoAHbrMu 3anlvHrHBIM OrpaxAeHr,rrM Ha asro[4o6l rrHrrx Aopor,x focy4apcrrennofi (oMrraHr.ru <Ae:rogop> c yqeroM sHeceHHHxs n.l Hacrotulero npuKa3a zsn{eHeHLifi . 3. Kourponr 3a l4crloJIHeHlTeM Hacrotulero [pnKa3a Bo3Jroxl,Irb Ha 3aMecr reJrt flpeAceAarenr npaBJeup4r no rexHr.rqecKofi nolumre l4.IO. 3y6apena.

— flpe4ceAarenr [paBJeup4r.r

C.B. Kenr6ax

Kaper Ceprefi Bnxropuv Tett..8(495) 727-11-95 (ro6. 33-97)

— mfl^F"7_p_!IOP

TIPI4JIOXEHI4E r npr,rxay focy4apcrneuuofo r(oMrraur4 <Poccaftcz)or4JrbHbre Aopofu) 2017 r.Ns ./8f

Cran4apr locyaapcrseHHofi

KoMrraHun <<Anro4op>>

IIPOEKTI4POBAHI4E, CTPOI4TEJlbCTBO, 3KCnnyATAul,tt ABTOMOBII4JlbHbIX,4OpOf

TPEBOBAHIIfIK orPAHtrrrr4BAIo III r4M frE rrr EXOAHbTM rr 3ArUr4THbrM OrPAXnEHr4flM HA ABT OMOEr4JrbHhrX AOPOTAX fo cyAAPc TBE HHOfr KOMTTA IdiVrrL (ABTOnOP>

Mocrca 2016

— cTo ABTOIOP 2.27-2016

flpe4uuronue

1 PA3PAEOTAH: ,{enapraueuroM rpoexrr.rpoBaHrrr, rexnlrqecrofi rroJrrrrKr{

14 r.rHHoBarl[oHHErx rexHoJrop]tft focy4apcrnessoft xorrlnanuu <AnroAop) coBMecrHo c o6rqecrnotlc orpaHr4qeHnofi orsetcrseHHocrbro <<ore.recrBeuHrrfi Kounrecr Crcrev Orpaxgenr.rfi> (OOO (OKCO>).

2 BHECEH:,{enaprauenroM [poeKrnpoBaur,rr, Texunqecrofi [oJrr,rrr.tKt4 r.r vHuoBarlrrroHHrrx rexHoJroplrft focygapcraenuofi rouuaur <Anro4op>. 3 yTBEPXTH 14 BBFAEHB refrCTBI4E: npnKa3oM focy4apcrrennofi

KoMnaHr,rL <Arro4op> or <17> aBrcra 2016 r. -l{! 160 (s pe4arqr.l.r npuKa3a or

" // " abu/o,az0!!Na /!T -__e- 4 BBE.EHBIIEPBbIE.

— cTo ABTOIOP 2.27-2016

Cogepxanue

I O6nacrr [pr4MeneHr4r

3 Tepnauurr 14 o[peAeJreHr

7 Tpe6onauw,ro MoHrrr(y...

Il faparnulr r,r3roraBureJrr

— flpzroxenue 6 (perorr,renAyenroe) BaprraHrrr SynAanaen:ros orporqeHr.rr NrA

flpuroxenlren (cupaaovnoe) perorueu,4yervrbre Arlrxb onopB coorBecrBr,tuc rr4noM Qyngavenm

— flpunoxenue 4 (o6rsarennoe) rxo4nofi KoHTpoJrb gJreMeHToB cr.rcreMbr orpaxgeuufi...

Eu6ruorpa\$ra

Crangapr locyAapcrnennoft rounannr <<Anrogop>>

ТРЕОВАНИИ4fIK OIPAHT4ITIIBAIOIOT{}IM rrErrlEXOArrhrM tl 3AIIITTTbIM OIPAX(AEIIIIISM rrA
ABTOMOEI,IJTBHbIX AOPOr-AX IOCYAAPCTBEIIHOfr KOMTTAllnU (ABTOIOP)

Requirements for limiting pedestrian and protective fences on highways of the <<Russian
Highways> State Company

1 O6.lacru [puMeHeHrlq

1. I Hacroxqr,rft craugapr ycraHaBjrr.rBaer rpe6oBaHr,rrK KoHcrpyKrlr.rM ofpaHr,rqr4Balouux
orpaxl euuir kr [paBr4Jra r,rX [pr,rMeueHvtB gaauCuMocrrr or r'a3r'arreuurs, reorpaQnvecxlrX
pafioHoB Ha aBToMo6t4 JrEHhrx Aoporax, [poeKTr4poBaHr{e, cTpovTeJrEcTBo It 9KclJryaTarlno
KoTopbrx ocycqecTBjrrroT

— noApsAH6re opaHr43arlulrB paMKax AoroBopoB (cor:raruenui) c focyAapcTBellHofi
KoMflaHr.refi <Ar:ro4op>.

I .2 Hacroxqufi c:ran4apr pa3pa6opaHc rleJrbro coAeficrBnru o6ecneqeHr,rt coorBepcBrlr
co6ppoAeH[s rpe6oBaHr.rfi [I], [2] u ocHoBaH Ha HopMarnBHofi 6ase, Kacarcqeict BoppocoB
ycrpoficma opax4enufi: IOCTP 52289, fOCT33121 , CTO ABTOIOP 7.1, CTO ABTOAOP 7.2, c
yireroM orrbrra oKcnJrya'raluv oreqecrBeHHrrxu rapy6exnux

KoHcTpyKIILI fi.

1.3 Hacrozuzfi cran4apr flpeAHA3uarreH .qnr npr4MeHeHr.r crpyKrypHbrMrr

— noApa3AeJreHr4rMr4 focyAapcTBellHoft KoMrraHr,[r <Anro4op>, a TaKxe cToToHHr.rMrt

— opaHr.r3arlulrMr.r.

— rrp[MeHeHr4r cTaHAaITa cToToHHr't Mrr opaHr43arl{rMr.r AoroBopax (comaruenuxx) c
focyapcpeHHofi rorrananuefi

1.4 Yclosut oroBapr,rBaeTcrB (ABro.qop>.

I .5 Bnecenue r,r3MeHeHrlfi, ronpaBoK, flepecMorp r.r orMeHa craHAaITa

— rrpoboAr.rccrB coorBepcBxuc cTo ABTOAOP 1.1.

2 Ilopuarnubre ccbrJrrcrr

B Hacro{rrleM craHAaITe rrcroJrb3oBaHbr HopMarrBHLre ccbrJrKrr Ha

— cJreAypcrlr4e AoKyMeHTbr: IOCT 9.307-89 Ear.mnar cvcreMa 3aulurhr or Koppo3r,ruu
crapeHhfl,. florrrrrur ur,rHKoBbre ropq[e. O6qrze r"pe6onanrarv MeroAbr KoHTToJrt IOCT
166-89 Lllraurenqupryn. TexnuqecKp.re ycroBr.it

— cTo ABTOHOP 2.27-2016

— fOCT 380-2005 Cranr yrnepoAr{crar o6rrrHocexHofo KaqecrBa. Maprt IOCT427-75
Jlzneftu r,BMepr4reJrbHbre MeruyuecKp,re. Texnuqecrue ycJroBr{t fOCT 1050-2013
Merallonpo.qyrqx vt3 Herre tpoBanuhrx (oHcrpyKUr4oHHbrx KaqecrBeHHbrx r4
cneq[ajrbHErx cr€urefi. O6ur.re rexHr,rqecKe ycnobit fOCT 3282-74 flponeopora cr.urbHrr
Ht43KoyrrepoAr.rccrrur o6rqero Ha3HaqeHrlt. TexnrEqecxae ycJroBut IOCT 5686-2012
fpynru. Merogu florreBbrx racrr:raur4ft cBaIMpl IOCT 5781-82 Cratr ropqeKaraHur Anr
apMr.rpoBaHr.r xeJre3o6eponnsx roncpyxqufi . Texnlrqecrue ycJroBr,rt f OCT 6 507-90
Murporr,rerpn. Texnuqecrue ycnobit f OCT 7 502-98 Pynerru r,r3Mepr.rreJrbHbre
Merarrirrecrr, re. Texnuqecrue yclroBr4s. fOCT 7948-80 OrceH cr€rJrlHhre cpopireJrbHbre.
TexnuqecrrEe ycJroBr4t IOCT10704-91 Tpy6u crarrHhre sneKpocBapHbre rpsMorroBHhre.
Copravenr fOCT 1 0705-80 Tpy6rr crurbHbre 3rreKpocBapHhre. TexnuqecKp.re ycroBr,rt
IOCT 14918-80* Cranr roHKoJrr,tcroB€ur oquHKoBaHHUrc HerrpepbrBHbrx nunul.

TexurEqecxue ycJroBr.rt |OCT 15150-69 Malrranu, [pil6opbr r.r Apyrrre rexHr.rqecKr.re us1erus. l4cnorHenuq Arr pa3rl{rlHhrx KJrr,rMarr4 qecKr,tx paftonon. Kareropnu, ycJroBr.rt 9KcfiJryaraul,rut, xpaHeHur rr rpancnoprr,rpoBaHurB qacru eos4etctnna

KJrr{Marr{qecKrax QaxT opoa nxeuxefi cpe4u |OCT 15878-79 Kon:rarnar cBapKa. Coe4nnenur cBapnhre. Koncr:pyrrunuhre gJreMeHThru pa3Mephr fOCT 21779-82 Cucrelra o6ecneqenr.Lf, rorrHocrll reoMerpuqecKnx [apaMerpoBB crpor,rreJrbcrse. TexHororr4qecKr,re AolycKr,r |OCT 23170-78 Yuaxosra AJrr usrerui4 Marrrrr4Hocrpoeurr. O6que Tpe6oBaHrit fOCT 27712-88 flporar Arrr crpovrerrbHrrx crurbHbrx KoHcrpyKrlr{i. O6uryre

TexHr{qecKLre ycJroBr.rt |OCT 30245-2003 llpoQranu crarrbHLre rHyrbre 3aMKHyLre cBapHbre KBaAparHbre r,r [prMoYrJrLHlre AJrr crpor4TeJrbHhrx xoucrpyqrui. Texnrqecue

— ycnob14s fOCT33127-2014,{oporr.r aBroMo6r.rnbHbre o6uero florrb3oBaHrlr. Orpax4enux AopoxHbre. Kraccu\$rlxaqlrx fOCT33128-2014,{oporz asroN{o6uarHue o6ulero rroJrb3oBaHr.rrr. Orpax4enzr AopoxuLre. Texnnqecue rpe6oBanut

— cTo ABTOIOPI 2.27-2016

— fOCT 33129-2014 loporrE asroNlo6zruHue o6rqero florrb3oBagr{r. Orpax4enr,rx Aopoxnhre. Merogu KoHTpont |OCTP 9.316-2006 Eguuan clcreMa 3anrl4rhl or Koppo3r.nr 14 crapenvr.. floxp:rux reptrogr.r\$QysuouHLre qr,rHKoB6re. O6rqae rpe6onanu.r |OCTP 50971-2011 Texnz.{ecxue cpeAcrBa opaHr43ar{rrl AopoxHoro ABI,IxeHll'. CeeronoepraqareJlu AopoxnHe. O6qr.re rexHr4qecKze rpe6oBaHr.rrr. flpaauna rrlrlMeHeHr,rrr |OCTP 52246-2004 flporar rucrosoft ropqeour.rHrosaHHuft. Texnuqecxue ycnOBlit fOCTP 52289-2004 Texnnqecxue cpeAcrBa opranr3arlrv AopoxHoro ABp{xeHr4s. flpanl.rna npr.rMeHeHrlr AopoxHbx 3HaKoB, pa3MerKr4, cBeroo6oB, AopoxHbrx opaxgenufi rrr HarrpaBJrrroqax ycpoficr |OCTP 52765-2007,{opou anrouo6umhue o6rqero noJrb3oBarrur. 3renrenrrr o6ycpoficr cma. Knaccu\$rlxaqlrr CTO ABTOAOPI . 1-201 I [lopr4or pa3pa6opKr.r, yrBexAeHr4r, yqera, o6nosrer {lu orMeHEl crauAaproB focyAapcrreunofi rolmannra <<Arro4op>> CTO ABTOAOP 2.23-2015 Perorr.rer4aqur4 rro rpoekpobaHurcu rrlpl,lMeHeHl,llo cuero3aAeplBarorlux ycpoficrB na anronao6uJrbHhrx Aoporax focyAapcrnensofi xorr,rnanlu <ABToAop> CTO ABTOAOP 2.24-2016 Pexoven4aqrar4 ro rpoekpobaHr.rro, crpolrreJlbcrBy Lr gKclJryararlrrr4 KoMno3r.rrHbrx xoncrpyxqui: opax4enuft,

JleCTHI4qHbIX CXOAOB, CMOTpOBBIX XOAOB r,r BOAOOTBOAHLTX JIOTKOB r,rCKyCCTBeHHLrX AopoxHhlx coopuxenuft na asroN4o6t4 rbnbrx Aoporax focygapcrnennoft rouauru <Arro4op> CTO ABTOAOP 7.1-2013 3eneurfi craHAapr focyAapcrrennoft rovanuu <Amo4op> CTO ABTOAOP 7.2-2016 Ycpoficrro 3arrlrnrbx nacax4enzfi Ha

— asroN4o6r,urrsbrx Aopofix focyAapcrnennoft r<ovnanlu <Anro4op> CII 20. I 3330.20 II Harpysxu nosgefic:rrur. ArryarnrlpoBaHHtu peAarrlr{t CHUII 2.01.07-85* Cn 22.13330.201 I Ocnosauvrfi sAanuia r,r coopuxeHr.rfi. AxryanurrapoBaHHat peAaKrlrlr CHUII 2.02.0 I -83 *

Cn24.13330.2011 CsaiHHe SyHAaMeHru. Arr:yarzsr4poBaxrr€u peAaKrlr.r CHlrlI 2.02.03-85 Cn 25.13330.2012 OcrosaHr.rau \$yngarr,rerhl lra BeqnoMep3rLrx rpyrax. Arryarnsr.rpoBauuarr peAarrllur CHUII 2. 02.04-8 8 CII 34.13330.2012 As:rorao6ulrue Aopou. ArryarlrlrpoBaHHar pe.{aKrlr{t CHZII 2.05.02-85* CII45.13330.2012 3eumnbre coopuxeHr.rrr, ocnoBaHr.rrx Qyn4aruenru. Axryaluer.rpo Balrrrafl peAaKrlns CHUII 3. 02.0 I -8 7

— opaxAaroque KoHcrpyKqr.ru. Axryanr.rsupoBaHHar peAaKrlrr CHUII 3.03.01 -87 CII 78. I 3330.20 I 2 AsroN,ro6urusue Aopoflr. ArryalusupoBannas peAaKqr{t CHUII3.06.03-85 Cn126.13330.2012 feoaegzqecue pa6oru CTpOr,rTeJrbCTBe

Cn70.13330.2012 Hecvuue

Arryanr.rcupoBaHH€ur peAaKrlrlx CHUII 3.0 I.03-84 Cil 131.13330.2012 Crpourettnas K;rr{MaroJrofur. ArryarurupoBaHHat

— peAaKrlr.rrr CHzfl 23-0 I -99* flplrllrle.ranue - Ilpu norl:onauuu EacrotlrlI4M crarAaproM qeaecoo6paauo flpoBeplrr6 aeftcrnus ccbrrJoqubrx craxAaproB r.r cBoAoB fipaBrln * na or[lquanruou caftre Earlr{ouairbHoro opraua Poccuficxofi (Deqepaquu rro craH.qapugaquun cerr l4nrepHer l.lJlI] exeroAHo r,r3AaBaeMoMy untf opuaqnonnorr.ry yKarareJrlo <HaquoHaarHble crauAapbl), roropufi opy6luroran flo cocrorur.rro ual tusapt reKyrtrero ro.ua, u rlo coorBepcrByolqr.{M exeMectquo

— r.r3AaBaeMbrM unrfopnaarlnnonnbrM)Ka3areJrsM, ony6:rmorauHblMB TeKylrleM roay. [eftcrnue cBoaoB npaBr4Jr MoxHo npoBeprarn @e4epamnou uuifoplraqnonnoM tfou4e rexuuecrux peflpaMeuToB r.r crarrAaproB. Ecru ccruro.nuri Aor(yl\{eHT 3aMeHeH (u:rrleueu), To upu noJlb3oBaHl{u HacToflqr{M cTanAapToM cJreAyer pyKoBoACTBoBaTbct 3aMeHeHHbm (u3MeHeHHblMJ AoKyMeHToM. Frrr,r ccrroqrnrfl qoxyrr.reur orMeHeH 6es sauensr, ro rroJroxete, B KopopoM AaHa ccbJrKa Ha Hero, flprrrMeHrercB qacr.r, He 3arparr{Bllrroqe rry ccruxy.

3 Teprvrunu rl onpeAeJreHrrfl

B nacrorrre craHAape [pr.rMeHebr repMrzHhl no OCT 33127, a raxxe

— cJreAyroqr4e TepMr,rHrc cooTBeCTByrouLIMLI ofl peAeJleHlIM[: 3.l4opoxnoe orpan[ruBaroqr{e opaxAeE e: Yc:poftcrno,

— npeAa3HaqeHHoe Am yloprAoqeHr4fl ABLIxeHt lleuexoAoB l,r [peAorBpalleHl4t

BbrxoAa xr,rBoTHblx Ha npoe3xyro qacrb r4rrr4 B nonocy orBoAa Aopofl. 3.2 orpannvnBaroeee fleuexoAuo e oparceHre: Yc:roftcreo,

[peAa3HaqeHHoe AJrr yfloptAoqeHl,rs, ABrDKellvt neuexoAoB.

3.3 gaulnrnue orpa cAeurlq: Yc:roftcrno, [peAua3HaqeHuoe AJlx lpeAorBpaqeHr4fl BbrxoAa)Kr,rBorHbrx Ha nonocy oTBoAa Aopopur. 3.4 6uoqenor: lrlcropr.rvecrra cJlo)clBllr€uct coBoKy[Hocrb xltBorHblx, pacreurf, rpz6on r,r Mr.rKpoopauu3MoB, HaceJlqloql{x orHocLITeJlIcHo oAHopoAHoe

— xr.r3HeHHoe flpocrpaHcrBo (onpe4er€uuft yracror cyruu nn arraropny), u

— cBr3aHHbrx MexAy co6ofi oKpyxaroqefi ux cpeAofi.

3.5 6noron: Otnoczeirno oAHopoAHblfi no a6uorraqecxuu \$axropaM cpeALI

— r{acroK Teppr.rropr,ru (cyruu unr.r nogoea), :an-trHft oupegel€nHrtu 6uoqenosou. Xaparrepnrft AJrr AaHHoro 6uopona KoM[JleKc yc.noefi olpeAeJlter elrAosofi

— cocraB o6r.ITaro lnx 3Aecb oparH[3MoB.

3.6 cncrenra orpar(Aeurlfl: Kounnex:r gJreMeHToB opaxAeunr, cocro.aului us onop, [oJroTHa ofpa)KAeHr.r r4 9JreMeHToB Kpe[JreHr,rB cooraHHoM cocToHr,r,r4,

— npeAcraBrrrroqr,rfi co6ofi nperpaAy. 3.7 nucora opaxTAentlt: PaccroqHzeB Bepr.rK€IJlbuofi nrocKocrr4 or

HaLl6oJlee BbrcoKof ToqKrl rroJrora ofpo(Aeur.r Ao ypoBHr :err,uu, o6ovnnr na Aopore, [oKpbITl.t Ha MocpoBoM coopyxeHl,ru rJlI,l pa3AeJlrelnnofi floJloce,

— rr3MepeHHoe Kpry ofpaxAeulfl, co cropoHr npoerxefi vacru. 3.8 no.lorno opaxAennfl: Coeoxynocr; ropr.r3oHTpJrIHrx r.r Bepr{KaJrbHbrx [poBoJroK cerKr4 cBapHol, cosAaroq{x rleJrocx]ro crrcreMy, glr yctpoftcrea

— cnlrorrHor4 lperpa,qhr. 3.9 narpysra BpeMenHag or t(rrBorHoro rrJrrr qeJroBeKa: f opr43oHTaJI6H€ur

— ycpeAHeHHuur clrJra, AeficrByroulrrr Ha cr{creMy orpaxAeHrrr. flpr.ruevanrae - BpeMerruar narpy3Ka or rreJroBeKa Ha3HaqueHa vcxoar. u3 cpeAur.rx

— aHTponoMe'pnyeckKrrx Aarrrrbrxu cocraBJrrer 100 rrc; BpeMeHH&r Harpy3Ka or xrboruofo Ha3uaqeHa acxoar u3 vop\$ouerpuvecxr.rx napaMerpoB Br.rAoB xr.rBorHbrx, nepeceKarouux

— aerorvro6raJlbHr,re Aopou rr cocraBJrrerTB cpeAneru 150 rrc. 3.10 onopa orpat(Aeulq: Sneuer AJrr ycraHoBKr.r cucreMhr ofpaxAeHrrr. 3.11 onopa orparqeHq ocHoBnafl (ocxonnan olopa): OcroeHofl necyur.rfi gJreMeHT cr.rcreMlr orpa)KAeHr.lrr, ycrauoBJreHHhrfi nepruraarno, Ha KOTOpLTIt

Kpellr,rTcr llotroTHo orpax(AeHr4r.

3.12 onopa orparqeurrfl axKepuafl (annepnan

— onopa): ouopa,

— ycraHoBJeHHar BepTyKaJlbHo, Ant o6ecneqeHrr Heo6xoA.r.Moro orpaxAeHrrn ycrofivurocr,r cficreMbr orpaxAeHr.rB rleJroM,

HATfr'KEIJVA NOJIOTHA x xoropoi Kperrfrct

— onophr ofpaxAeHr4r oTKocHEre.

3. I 3 onopa orparqeunfl ycrpJrexnaf (ycu.neHxaa

— onopa): Onopa,

— ycraHoBJeHHar Beprr,rKaulbHoB MecTax conptxeHr4t coceAHr,rx [oJroreH otpax(AeHr,r,

6es rpeurenurK Hefi orKocHoft onopbr.

3.14 onopa orpaxAenrq orKocuaf (orrcocxar onopa): Onopa,

— ycTaHoBJeHHaur lloA yJroMn 3aKpeJreHHarK aHKepHoit u/uru yrnoBofi onope, Ars o6ecleqeHrr ycrofivr4Bocr,r clcreMhl ofpaxAeHr4t Lr Alrs. r'arflx.eHrr lroJlorHa

— orpax(AeHr4r. 3.15 onopa orparcAenun yrfloBaq (yr.norar onopa): Anrepnax onopa,

— ycTaHoBJeHHaur MeCTe nOBOTa OCU OlpaxAeH''ti Anfi OoeofleqeHr4t nJlaBHOCTI,l coflprxeHr.lf l4 rrap€urJreJrLHocTrr ocr.r aBTOMo6r,rJrbHofi Aopnr, a TakXeB MecTax

— pe3Kofi [epeMeHbr yKJroHa [poAoJrbHoro npo(bilnt floBepxHocrr 3eMJII. 3.16 cercqus orpaxAennq: Yqacror [oJlorHa olpaxAeHrr Mex.qy coceAHIMy ofiopaMr.r olpaxAeHr4Jr. Illupuna ceKrrr,III coorBercByer pacropHuro MexAy

— ycTaHoBJeHHaurMr,r onopaMu.

— cTo ABTOIOP 2.27-2016

3.17 pasuep nqeficnr: PaccroqHr,reB ocxrb ropri3o'ranb'oMv Beprr,rKaJrbHoM HAIPABIEHI"X MEXTY COCEAH,IMI{ IPOBOJIOKAMI4 NOJIOTHA OTPAXAEHI,l' B cooTBecTBtotrrx HalpaBJeHr4X. flpurraevauae - Pa:rraep sqeftlr o60gHaqaercr KaK AxB, rgeA - paccroff .re uexy Bepri'IK{JI6HbIMI'l npoBoJroKtIMI4 n uu, B - pacropnr.re Mexly fopr.r3ouTalrbHrrMr,r [poBoJroxama B MM,

3.1 8 e.nenrenbr KperrJreHrrs orpaxAennn: ycrpoftcrBa A-or KpenjreHrrr 9JleMeHToB orpTKAeHrK orlopaMn Mex,ry co6oi, nurov€ul Kpe[exHEre ugllerfir'..

4 OcHosuue floroacerrrlq

4.1 Orpax4eHrar [puMenrrorcrc qeJrbro otpaH vrrrelvr rz HalpaBJreHr.rt

ABI,IXeHr4,l neuexoAoB r4)ro.lBorHhrx r{ paccquraHbl AJrr ycraHoBKu Ha pannunofi r.r cpeAHe[epececeuxofi MecrHocrl4 c pa3rr.rrrHbrMri "tpfiraMLr rpyHToB. 4.2 flpranaeneru4e 4oponuLrx orpaxAeHufi onpe4enxopca rpe6oraHr4eMrr, coAep)KaurrrMucss fOCT 33127,|OCTP 52289, fOCTP 52765, CI7 34.13330, [3], [4], c yperoru CTO ABTOAOP 2.23, CTO ABTOAOP 7.2. 4.3 Ilo npr,rHrlr4rry pa6oru ofpaHr4qr4B€lroq[e orpax.qenr.r r [oAra3AeJrrror Ha - ofpaHvqr.lBaroque leuexoAHbre orpa)(leHr4r; - 3arqr.rTHhre orpaxAeHl.lt. 4.4 OrpauuuuBaroqr4e fleuexoAHhre orpaxAeuris [oAra:AeJrrror tro ycJroBt4rM

— rrx pacloJoxeHvrfi Ha qeThrpe rpylnbr: - rpynfial - pacnonaraeMEre BAoJrb TpoTyapoBu pa3AeJrr,rrenrnofi nonoch; - rpyflfla 2 - pacnotaraeMbrey HaA3eMHhrx r4Jrv noA3eMHLrx neuexoAHbrx llepexoAoB; - rpylna 3 - pacnoraraeMhre Ha pa3oxax r.r Apyux [JroqaAK,x, Korophre neo6xo4unro 3alqLITurb or noBpexAeHr.rfi neuexogarr.ru; - rpyflfla 4 - paclopataeMbrey olopyrennoBoAoB, onop un\$opuaqraounoyKEBareJrbHbrx 3HaKoB, a paK)Key onop lunr,rfi elerrponepeAaqc rleJrbro

I,ICKJlrOqeHr4tr [OrpaAaHr.tr qeJroBeKaB oflacHyro 3oHy. 4.5 3aulrrnrre orpaxAeHr.r [oAra3.qenrrrc no ycJroBr,rM r,rx pacnoJoxe*vr Ha

ABe rpylnbr: - rpylnal - orpax4ear{r, pacloJrataeMbrey no fpaur4rle [oJrocb orBoAa BAoJrb Aopou; - rpyflfla 2 - ofpoKAeHr4r, pacnoJrataeMbrey nepeA nroxoAaMr,r r,rB

— cnerlr4€rJrEHhlx fipoxoAax Airr xl4BorHhrx IloA AoporaM[(cKoronporoHax) r.yru, npr4 pacfloJoxeHr,r Aopor[B BhreMKe, ua4 4opoi (exo4yxu).

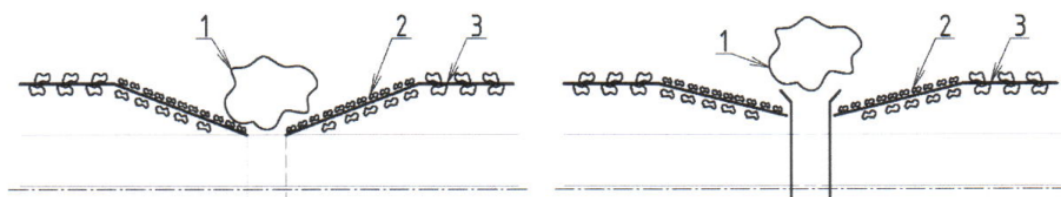
4.6 ,{opoxHue orpaur4rrr,rBaroque orpaxAeHr4r ycrpar{Baror BAoJrb

ABTOMO6I,IJIEHbIX AopoTc o6evx cToToH Ilo IpaHl'Ile [oJloc6l oTBoAa I,IJII{ Ilo TpaHl,lqe JrecHoro MaccyBa, c) reroM TpeooBaHr.rfiK orpaxAeHr.rrrMB HaceJrerrHbrx IlyHKTIyxu o6ycrpoficrey c[equaJrbnrx [poxoAoB Ha nypx Mnrpaqnu xnBorhrx, 3a

— rrcK;rroqeHreM Mecr flepece.reHrzrc asroModurtxbrMLt 14 xeJre3HbIMI{ AoporaMI,t, a

TaKxec Bo.uHbrMr.r nperpa4aMn (perarrlrz, KaHaJr€IMnu r. n.). 4.7 3aryryue oloKAeHr ycrpaHBJrr.rBaror BAoJrb 3anoBe.qHLrKoB, nacrSnul tr B MeCTaX npOXOAa Xr.rBOTHbrX qepe3 Clelll4,UlbHbre rOHHeJrr4, rryTe[pOBOAbr, cKoronporoHbr, g(oAyKr.r r,r Apyre rcKyccBeuHbre coopxeHr,r. 3alurnrre ofpax.qeHlrr npe.qHa3HateHbr He poJrbKo AJrr rpeAopBarrleHr,r BhrxoAa xr4BoTHbrx Ha

Aopory, Ho r4 cJry)Kar ycr"poftcrnou, Ha[paBJrrrou[M xrrBorHbrxK nroxoAy (pr.rcyox 1), [4] [s].



a) 6)

a) ronneru/cxorolporoH, 6) nl"renporo,q/ero,qyK

1 - pacrenae, [puBJreKaoruue xr.lBorH6D(; 2 - geropaueurrii Kycrapnr,lr, cKplrBaloull4fi ofpaxaeHne; 3 - orpaxgenue

Pucyuoxl - Cxerva ycrpoftrBa [epexoAa AJll AllKI,tx xlrBorHhlx

4.7 .l Zaryursbre ofpaxAeulrr ycraHaBJluBaror Ha yuacrKax fiepeceqeHl4t nyreft Mr,rrparlri[Ar,rKr4x xl[BorHblxc aBToMo6LlllbHhIMI,l AoporaMlzc

— r.rHreHclrBHocbro AB[xeHr,rr He MeHee 2000 arr./cyrKr.r no fpaHllqe [oJlocbl orBoAa L He MeHee qeM Ha 500 tr,ts Ka)KAYK) cropoHy oT ycraHoBl,IBlrerocrr rryTl4 ABvx(eHwl XI4BOTHblX. 4.1.23aulurubre orpoKAeHr.lt, Koroplle HanpaBJltlor ABLlxeHl,le xl,lBorHhlx,

AoJrxHbr npoxoAr.rrs BAOJrb Aoporr.r BHyrpl,l 6uoqenosa LIB o6Jlaclr KopLIAopa

— nepeABrrxeHlrft xtisorHHx. 3alqurarre orpaxAeul,lt AoJIXHr HaxoAlrrbct MexAy HecroJrbKr.rMr.r o6rexrauu 6esonachoro flepeceqeHtlt Aopor, Koropble coeAl4Htlor

6uoronn rJrr.r Kopr.rAop nepegaxeulri.

— cTo ABTO.UOP 2.27-2016

— fpanuqauu 6uoqeuo:a, or Koropbrx Ha3Haqaercr paccrorHne ycrauoBKr4 orpax4enlr, ucrrorJrb3yrorcr fpaHr.rqbr Jrecau orKphrroro npocrpaucrBa, oT 9KCTeHCT4BHOTO, COCTO.rqerO r,r3 (pparMeHToB, K t4 HTeHCr.rBHOMy, orr(pbrroMy nan4uraQ:ry, orppaHr.rqnBzlrorque uofirr,ry, Kpyhre 6epera ulu 6epererre [oJlochl. 3arqmne orpax{AeHr,rJl MoryT [JraBHo nepexoAr4T6 B orpaxleHl{rl npfipo.qHbrx nanguraSron.

3arqr{ THLrx

— rpaHr.rrlhr

4. 8 OrpanzuuBaroulrie neuexoAHbre orparrAeHlrr ycraHaBJrraBError: - Ha pa3AeJrr.rTeJrLHErx rroJrocX ruzpuuofr He MeEel u, vex4y lpoe3xeff qacbro r.r MecrHbrM [poe3AoM no 100 nre o6e cropoHbr pacnoJrox(eHr4rl [oA3eMHoro r4Jrr.r Ha3eMHoro fleuexoAHoro nepexoAa; - Ha pa3Aenurennoi [oJroce MexAy ocnosnofi npoe:xei qacbro r.r npoe3AoM Ha paccrorHl,r4 He MeHee 0,3 u or KpoMKL npoe:xeff qacrr.r co racHo focpP 52289; - Ha pa3AeJrr,rreJlbHbrx [oJrocax nup{Hofi He MeHee 1 rra uex4y ocHoBHofi npoe:xeff qacbro r,r MecrHLrM [poe3AoM - HanporlrB ocrauoBoK o6rqecrBeHHoro lpaHcrporTac lloA3eMHbrMu vlrivr HaA3eMHblMLl [eulexoAHbrMlr rrepexoAaMl4 B npeAenax AJrr.ruhr ocranosoqHofi rltoulaAKn, Ea nporrxeHr,rv He MeHee 20 nan Kaxqyro cToToHy 3a ee npeAeJraMn, [pr4 oTcyTcTBr4rr4 Ha pa3AeJrr,rTeltnoi noloce yAepxl,rBarour.rx orpaxAeHr.rft 4lr arrouo6r.rrefi. Ilpr.r HaJrr{quu onop [yrelpoBoAoB, ocBepleHr4t, KoHcoJlbHbrx r.r paMHLrx ofiop r,rHQopMal{uoHHo-yKa3aTeJrbHbrx

ОСНОВНО14 ОТ МЕСТА

MECTHblM

AOpOXHbTX 3HaKOB HeOOXOAII,IMO yCTaHaBJrr{BaTb OrpaxAeHr,re BAOJTb OCr4

— pa3Aenl4TeJrbHofr norocbr Ha paccrorHx,r He Meueelv or npoexefi qacru. 4.9tlpu ycrpoficrBe opaHlrarlrBaroqux orpaxlenufi cre4yer)'rrr4TLrBarb rpe6oBaHlIt CTOABTOAOP2.Z3, CTOABTOAOPT.2 r4 peKoMeHAaquit to

3axlr,rrev oqucrKe as:rovo6r,mrubx Aopor or cHera [6]. 4.10 Cpor cryx6br orpaxgenr.rfi AoJrxeh cocpaBJrrrb He MeHee 20 ner.

5 O6qre rpe6oBaHnqK ycrpoficrBy opaHrrrrnBarcqnx orpaxgerufi 5.lCr.rc'rerr,ra opaHr.rrrnBaroq{x orpaxAeHr,ri Aonxna o6ecle.rnBarb B3ap,rMHyro Br,rAr,rMocTb yqacTHKoB Aopo)KHoro ABlKel]yfl, [epeKphrBaTbB

— ycraHoBJreHHoM cocrorHr4r4 orpaxAaeMbrft fracroK, o6raAarb ycrofiuurocrror
BHerrHnM Bo3AeficrBr.rrMB ycJroBnf,x gKcrrJryararlr{r,r, yAo6crBoMn o6cpxlrranulr,
— noBpexAeHHbrx 9JleMeHToB.

.trJI' OOECEqEH'I' 3AMEH6T I,I3HOIIIIEHHbIX I{JII,I 5.2Cucr.ev'a orpaHrqnBaroq{x
laexanlmeoxofi flpoqHoclrrc rpu aeitcnuu pacqerHhrx

— ofpax(ueHr,rr4 AOJTXHa Hafpy3oK o6.na4arr (neconofi,
BerpoBofi, cHeroBofiz narpy:xofi or)Kr4BorHoro ulu uenonexa). 5.3 Bce gJreMeHTbr cricreMbr
orpaxAeHr,rr AoJrxuhr coxpaurb csou csocicrsa B A[arra3oHe TeMnepaTyp Bo3Ayxa oT
KJrr4MaTr,rqecKoro MvHr4MyMa Ao MaKcl4MyMa,

— onpeAeJreuHbrx coruracHo crarvcruqecKlrM AaHHbrM paioa crporTeJrbcrBa 14 cn
131.13330.

5.4 Bce gJleMeHTrr cr,lcreMbr orpax.qeHl4rl AoJlxHr 6uru ugroroBJreHrB

KJII,I Marr4 qecKoM nc[oJrHegr4ri (O> coruracHo IOCT I 5 150 r\$t Bcex
MaKpoKrrr.rMarrqecKl,lx pacioHoB Ha cyue, KpoMe KJrr.rMarr4 qecKofo pacioa

— aHTapKTr{qecK{M xoJroAHbIM KJTUMaTOM. 5,5 Bce gJreMeHTbr cucreMbl olpaxAeHr.rr
AoJlxHbr nMerL aHTI,IKoppo3uoHHoe noKpLrTbe: [oJrr.rMepHoe, oqr.rHKoBaHHoe,
repr.r. ro4r.r\$tfysr]oHHoe qr4HKOBOeC 4orxno 6rrrs goycra4rafinoir naccyaquefi. Ha
[oBepxHoclr4 noKphrrrr He

MexaHyqecKp.rx noBpexAeHtl4, 3ayceHrleB, OKaUII'H6I tlJrr{ pXaBqr4HhL 5.6
@yn4arr,renbr rr ux pa3Mep olpeAeJrrorcr 3aBr,cr4Mocrr4 or MecrH;rx feoAe3l,lqecr{x,
reoJrorurrecKp.rx, tAporeoJronlqecKp.rx ycJroBxfi r,r or KoHcrpyKrlr,tl4 ofpaxAeHl4t. @yn4anreuru
rrlorr 6rrrr 6eronnltulr, xelego6erouglMtr trJrr4 Ha

BI,IHTOBBIX CBA'IX. 5.TTexnonorurqecKae AolycKI4 reoMerp[qecKp.rx flapaMepoB
3JreMeHToB clcreMbr orpaxAeHr,l4 AoJrrGLr 6rrrr ue Hr.lxe 4-ro KJracca yAoBJrerBoprrr

— rpe6oBaHr4M IOCT 21779.

5.8 Bucora 3arrlrTHbrx orpax4enlrfi AoJrxHa 6rrrr xe rraenee 2,0 rra. Ha f{acrKax [epecerur.
nyrefi vlrrpaqr.rrz AtIKp.rx xrlBorHhxc aBTOMo6r.rJrbHofl Aoporofl (cu. n.u. 4.7.1) rucory 3arrlr.rHoro
orpaxAeHr.rr Ha:lHaqarorB 3aBr{cr4Mocrr4 or KoJrr.FrecrBa, BLrAoBhrx rraop(f ouerprauecKn r4
rloBeAeuyecKp.rx oco6ennocref Murpr.rpyroq{x xrrBorHblx, Hal{6onee qacro [epecKaroq{x ee Ha
BhrBJreHHbrx

— paHee yqacTK,tx, c rreToM ToJrlrl{HLr cHexHoro noKpoBa (KoHrly 3r4MLr AJrr AaHHoro
pacioa crpor,rreJrbcrBau Bbrqlcrf,ercr no Sopuyne (I):

Ho:h"+hu (1)

— rAe: h. - nucora cHexuoro [oKpoBa Anr 3a,qanl{oro pacioHa crpor,rreJrbcrBaB

— cooTBeTcrBr{r,rc MeTeononrrecKlrlMr AaHHbIM,I; hu - r:pe6yemas Brrcora
orpDKAeHr 6er yvera cHexuoro noKpoBa,

— onpeAenteMajlB 3aBr.rcr.rMocrr4 or Br.rAa xuBorHbrx.

3naqeHbe flapaMepa hu ua:nauacrc: - npv P'urr4r{urr MJreKonrlrTaroulr4x cpeAhr{x psMepoB
(safiqu, Jrxabr, Ka6aHbl r,r

A.p.) ce uenee 2,0 nr; - np HErrr.rrrnr4 MreKonrrralouux KpynHbrx pa3MepoB (locu. oleuuu
a.p.), ne

MeHee 2,5 M.

5.9 Brccora orpaHuqr,rB€roq{x fleuexoAubrx otpaxAesuit uz ceroK corJracHo fOCT 33128 AorlxHa 6nrl or 7,2 to 1,5 rra. ,{onycKarorcr KoHcrpyKrlrdr,r neuexoAHbrx orpax4enui coBMerlarbc KoHcrpyKrl[rMr,r Aopoxnoro yAepx.rBaroqero oorosoro orpaxAeHr,rrr rrpr4 ycJroBrr4 npoBeAeHr.rq recroBbrx

— cro ABTO,{OP 2.27-2016

— r,rcrhrraHr.tfi, cofJlacuo |OCT 33129 c roArBepx,4eHl'leM coorBercB)|loull'IMl4

— cepTr,rQr4KaraMr,l.

5.10 Pasruerp rgefikr,r rroJroTHa orpaHr,rrrfiBaroqr{x olpaxAeHlli Ha3Haqaerct:

- 3arqr,lTHhrx orpax,qeHrrft: AJrr MeJrr(lx xr{BoTHhrx 50x50 uu, AJUI XI4BOTHbIX

— cpeAHllrx pa3MepoB 50x100 MM; Arlt KpynHhlx xrlBorHblx 50x150 rrau;

- orpaHl,lillBaOUI{x ne exoAHblx olpaxAeHl'ri - 50x100 rrlu'

5.1 1 B roucrpyKlll{l'I cncreMhl ofptDKAenur uoryr 6rrrr

— lpeAycMoTpeHhl

KZIJrITKI.I Lr TeXHOJIOpIlqecKlte pa3pblBbl Ant ocy lecTBJleHllJI laeponpuatufi rro gKcnJryarallru aerolao6nlrnoft Aoporu LrlrLr pLr neo6xoAulraocru

HEO6XO ,IMLIX

— npeAoTBaquel {t qpe3Bblq aflaoir cr4Tyaqur,r. l,lurepa€lJI ycTaHoBKl{ K€ull{roK l{

— qacToTa ycrpocicrna pa3plrBoB olpeAeJrreTcrB cooTBeTcTBl{l4 C [pOeKTOM l,l

— corJracoBpbAeTct focyAapcBeHHofi KOMllaHllei <Anro4op>. 5.123nerrlenru orpaxAeHl'lt AOJIXHbl 6uTL yHl'labuq[pOBaHHHIMl' llo (oHcrpyKlllru, [pLlMeHrleMbIM Marepl'laJlaM' MOHTaXHbIM l',IHCTpyMe]rraM 14

— lp[HaAJleXHOCTtM. 5.13B cooTBeTcTBL.tUC lloBeAeHqecKltMr,t oco6eHHOCTrMLt XI'IBOTHbIX

AonycKaeTcq Bo l,l36eXaHlle ycTpocicTBa 11oA1o11a 3agly6ntTb lloJloTHo orpaxAeHl'lr

B rpyHr Ha ilry6nHy He MeHee 30 cM.

5. 14 Tnnopasrr,repH olpaHllql'IBtlrlllfix orptDKAeHl'lfu v! vIX SJleMeHToB

— npl,lBeAeHbrB Ta6Jl4llgl . BapUanyp 14CTpoJlHeEl4t Cl4CTeM6l OrpaXAeHllt [plBe,4eHbl

B nprJroxehl4 AK HaCTOfi[leMy CTaHAaPTy. 1 - Tun el'v,i

Ta6rnal - 3JlEMEHTOB ulero

OnucaHre

Ha[venosaHNe

SJlEMEHTA./I43AEJl4'

Cerr<a cnapnar !l3 MeftulJl4qecKoi rlpobolokl'lc [oJl4MepHbIM

— floro, no orpax,qeHl,lt

— r.urr4 TepMoAlu(bQyruonxuu qltHKoBhIM flOKpLITI'leMc

AByXTaAr.rfi Ho fi nac cuB,a]qJ.'.eil. ,{lrauerp npoBoJroKLI (4o uanecenu-a norpuru-a) o:r 1,8 rrau 4o 5,0 uv. lllypr,rna cerKr or 500 rrai't ao 2500 tuv.

.,{4nua pynona He Meuee 15,0 lr'r. fl,rerica or 50x50 MM Ao 50x150 MM. Tloer*: RAL 7004, cepufi naaronrfi (repraoanSSy3ltoHHoe

— rlr,rHkoBoe rloKphlrrec gnyxcra4rafiHe4 n4994I3!L
 Onopa Onopa ouranroBaHHat I,IJII,lc [oJII'MepHbIM noKpLITI'IeM AJII
 KpelJreHLIt noJlorua ofporAeHlIt nptMoyroJlbnoro (or
 40x40rr,rrrr) ruln Kpyrnoro (orO 45 MM) ce'leHl'rt. Tonurana crtulrl or 1,4 rraru Ao 3,5 rrlu'
 Bucora or 1,7 4o 5,0 trl. L{ner*: RAL 7004, cepufi uarorufi (rcpr'r'oan\$Sy3lloHHoe
 — rlnHkoBoe lloKpElrl,lec 4nyxcra4nftnofi naccIlBallueir) uttu
 ((MeraJrJu4K)) (oqnuxoranHoe noKpbl4e).-
 — cro ABTo.[oP 2.27-2016
 Orconqanue ma6nuuotl
 3reuenrrr
 Ycrpoficrna Ant KperrJreHr4r gJreMeHToB ofpax(AeHr.rK orropaM u nrex4y co6ofr. fa6aprrxrre
 pa3MepEr coorBepcByr or ny ceqenr.rro onop
 KpellneHr,rt orpalr(Aenr4t
 I,uII4 KoHcrpyKTr,rBHbrM oco6ennocrv [oJrroHa. Tlner*: RAL 7004, cepufi na:rorufi
 (repuoau\$y3r.roHHoe
 — rlr4HkoBoe noKpbrrr,rec 4ryxcra4ufinofi naccnsaqueir) Lrrr4
 ((MeraurJrr.rK> (oquurcoaaHHoe noKpblrtre). 3auurra onoorr 3leueut, roropri
 ycrHaBJruBaerc Ha BepxHeM KoHrle orropi
 AJrr [peAoTBpat'leEur, norraAaHr.r BrpyTpb BJraru It nroqux :arpa:ueuufi. fa6apvr:ruue
 pa3Mepbr coorBepcByr or rrrry ceqeHr,rro o[opbr. flpuvevanr.re * - no coruacosaHr,rroc
 focyaapcrseuufi KoMnauuefi <Anro4op> aonyckaer
 — npnMeHeHr4e aпыrux rлBepoB r.r: rara:ropa RAL.

5.15 KoncrpyKTr{r orpaxAeHr4r AoJrxHa fipeAycMarpr.rBarb Bo3Moxuocrb ero

3a3eMJreHrrrB coorBepcBr4uc ppe6onanuruz n. 6.5. 5.16 Vnaxosxa gJleMeHToB crcreMbl orpa)KAeHr{r AoJrxHa BhlnoJrHrtrB coorBepcBrr,r [OCT 23170.

5. I 7 Clrcnenra ofp€DKAenrrr AoJrxHa llocraBJrrrbcr KoMITJleKTHo. 5.18 B cocras KoMIJreKTa cucreMbr orpax.qenur BxoArr: - rroJrroHo orpaxAeHrrr (reorraer:pr.ruecr4e xapaKrepvc.r4npt, conrachO o6nacrr.r upzraenenr.r); -onopbl olpDKAeHr,lt (ocxonusr, aHKePHbre, ycr.rJleHHble, orKocuble, yrrroaHe); - 9JreMeHT6r Kpe[JleHr.r orpDKleHl,lt; - AOKyMeHTO KaeCTBeC rpeArrpr4rTr,lt-l,I3roToByTeJrr; - r,rHcTpyKTr,r llo MoHraxy c]rcrreMbr orpaxAeHr,r. 5.19 Tpancnoprr4poBKa cocraBHrrx qacrefi cr4creMbr orpaxAeHr.rs or Mecra xpaHeur,rrr Ao Mecra MoHraxy AoJrxHa BErhoJrrrtr coruracho [OCT 15150 c co6.npo4enue ppe6oBaH[fi 3HaKoB, yKa3aHnbp xa eano4cxofi ynaxoBKe. 5.203nenrenbr cr{creMbr orpaxAeunr rpaHcnoprr4pyr BceMlt BnpLaMtr TpaHclopTaB ycJroBr.rx coxpaHHocTr,lt yHaKoBKr.t lr flpeAoxpaHeHrar ras4elui o:r carpasuenrri r.r MexaHr4qecKrx noBnex(Aenlrri. 3anpeulaerc rpaHcporrr{poBarL u34errtrc xI4Mr.rqecK,r aKTLIBETMT.T BeluecTBaM4.

— cTo ABTOIOP 2.27-2016

6 Трe6oaxux rc gJreMeHTaM KoucrpyKqfin orpanlrqrlBarcrqero orparcAeH[q

6. 1 Трe6oranurr \$yu4a"rr.renrarr.r

6. 1 . 1 @yn.qar.{eHTbr orrop orpa)KAeHr,rJr fipr,rHr{M€uorcrc }qeroM : - pe3yJrbraroB r.rHxeHepHbrx ugrcranufi Ant crpollTeJlbcBa; - ceeAeur.rfio cefcrvuqnocru paftoua crporrreJlcrBa; - geficrnyrorqux na (fyngarraeHTbr Harpy3oK; - ycnonlri cyqecmyroqeft racrpofiruu BrrusHLrs Ha Hee HoBofo

— crpol,lTeJrbcrBa; - gKoJrorurrecKlrx rpe6oranui; - TeXHl4KO-9KOHOM[qeCKOrO CpaBHeHr4r BO3MOXHbIX Bap,l,aHTOB npOeKTHHX peruenu. 6.1.2Harpycru na lfyn4arr,reHr orparAenlr (foprr,rnpylorcrB pe3yJrbare pacqera nagserranofi qacrr.r KoHcrpyKtlrru cornacso Cfl 20.13330. Harpyx Aerrlrca Ha [ocroqHHbre rr BpeMeHHhre. K noc:roqHHrM Harpy3KaM orHocrcr co6crseHHrrfi Bec KoHcrpyKtlr. K BpeMeHHHTM Harpy3KaM orHocrcr cHeroBhre, BepoBhre

Harpy3KI,l 14 Harpy3Ka OT XLTBOTHOTO r.rJrr{ rreJroBeKa.

6. 1 .3 Pacqer \$yugalaeHra olpax,qeHr.r crJreAyer BbrnoJrHrrb co racHo rpe6onanry CII 22.13330, CII 24.13330 u CII 25.13330.

6. 1 .4 B KaqecBe Sy4aryenra Moryr BLrcpyrrarL crBax,rubp, 3anoJrneuHbre 6eronlr,t (6eronrrrfi rfyqaryexr); cKBa)K[Hbr, 3aloJrHeHHhre 6eronona, c ycTaHoBJreHHeMr,rB Hl,lX AOnOJrHr.rTeJrbHblMl4 apMaTyHbrMr,r KapKacaMrr (xepo6eronnyfi Qynganrenr); eunronbre cBa{ c ouonofi nnouaArofi Arq

KpenneHr.r onop olpaxAeHr.r. 6.1.5 fny6yua 3uuroxeHr4r \$yn4arraenra (cxnaxunrr r4 Br,rHToBbrx cnaft), rporr.re pafionop, pacppoJroxeHHbrB 3oHe seqHofi Mep3Jrorlr, AoJDKHa 6urr ne MeHee qeM Ha 250 rr,rrra nuxe rny6unbr ce3oHyofo [poMep3aHr4r rpyHTa; gnr pafionon seqHofi

Mep3rporrr coruracu CII 25. 133330. 6.1.6 .{uarr.rerp cKBDKnH 4nx yc:poicrsa 6eroHopo tl xeJre3o6eronopo

(fyngarr.renra gorxeu 6lrrr He MeHee 200 urra. 6.1.7 B ocHoBaHr.r.r cKBa)r(rnhr crJreAyer ycrpar4Barb necqayro noAylKy lr3 necpa cpeAHeft rpynnocy uru ue6eHo.rHyro noAypxKy r.rs qe6n-a Sparquu 20-40 uu ro;rulrHoi He MeHee 100 ruv.

6. 1 .8 fta 6eronuponanux Syngarr,ren:ror Heo6xoAuMo lrcppoJr3oBarb 6eronnyro cMecb KJraccoM no flpotrxocrn Ha cxarye xe nuxeB 15. 6.1.9 flptz xerego6eronnona \$yn4arrenre apMaryHbrfi raprac 4olxeu 6rrrr v3opoBrrreu r43 apMaryrr Krracca He Huxe ,4'400 no [OCT 5781 AxaMepoM He

— rr,reenee lO nru.

— cro ABToHoP 2.27-2016

6. 1 . l O Apruarypnufi raprac npeAcraBJlter co6oi TpexMepHyrc KoHcrpyKtlr{lo.

Coe4ranenux crepxHeft MexAy co6ofi runoJrHtlor npl,l floMolqu srgaryHofi

— npoBonoK,r.

6. 1 . l 1 Bunroslre cBaA Aorrxnbp yAoBJlerBott rpe6onanxrra [OCT 10705 u 6Hrr flrroposJreHhr u3 rucrocofi oulTKoBaHHoiz cralu romuunofi ne nlenee 3 tru.

„{uaverp sunroeofi cBar,r AoJrxeH 6rrru ne venee 60 rravr. 6.1.12Ha BepxHeM KoHrre Br4HTocoir csau AoJrxHbr 6rrrm npe4ycMorpeHbl

9JreMeHTbr KpelJreHr.r olopEr orpaxAeHr4r.

6.1.13 Bapnanrrr Qyn4aruexToB orp{DltAeHll,r npe.qcraBreHhrB rrplrJloxenltzE

— cTaHAapTa. 6.2 Tpe6oranruk olopaM ofpax(AeHlrr 6.2.1 B 3aBr.rcr{Mocrr.r or Synxqr,ronaJrrHofo 3HaqeHrrr onopbr [oApa3AeJrrrorct

Ha ocHoBHEle, aHKepHHle, yctIJleHHle, oTKOCHble II yHIOBhle. Bu6op roHcpyrp.rri onop 3aBr.rc[T or rlfira orpoKAeHr.rrr r,r ycroenfi

— cTpol,ITenbcTBa. 6.2.2 Onopu AoJDKHrT 6nr upuonuneinrrulr. flpz naruvurr KpyrrHrx Korrbrnrhx xr{BorHLrx corJracno [4] 4onycraerc [pr4MeHtrb KoHcpbKTLIBHbre perrreHmc sr[6oN4 noneper{Horo nporfram onophr. 6.2.3 Ins fipeAorBpargeuris floflaAaHris BHypb orropbr BJrraru flporrux aarp:nenufi Ha ee BepKreM Tople ycaHaBJrr.rBalor 3aryrrrKy coorBepcb)'roqero

— pa3Mepa.

6.2.4 Pacqosnr.re MexAy ocuoBHbrMu oflopaMr{ Ha3Haqaror or AByx .qo rpex

MeTpoBB OC'XB 3aBI,ICI,IMOCTI,I OT BbICOTbl Otpa)KAeHI,It I{ KOHCTpyKIII,II4 nOJIOTHa. 6.2.5 Ilo couracoBaHnoc focy4apcseHHofi rolmanuefi <Ar:ro4op>

AOnyCKaeTCa yBeJIIqeHI,le pacTOTHIt MeXAY ocHOBHIMII OIOPaMI,r 4O 4,5 v nna coorBepcbByroqeM TexHrKo-gKoHoMnrqecKoN.r o6ocHosaHuu. 6.2.6 Paccro Hne MexAy aHrepHbrMr.r onopaMlr HunHaqaror or 30 rr,r ao 50 ru. Anreprrre oflophr AorroJrH[TeJrbHo ycaHaBJrr{Barorcb Mecrax pecroft nepeMeup npo,qonbHoro npo(funx (y rrrenaor, nacrrei) r,rB yfJrax rroBopora rpaccbr ofpaxAeHrr. 6.2.7 PaccroH[e MexAy ycr.rJreHHbrM]r o[opaMu HEBHaqaror 15,0 rpa ranuo coorBepcbBr,ruc 4Iranofi pyJroHa rroJroa opaxleHr,r 4Ix o6ecnevenr4f, ero HaTxeHI4t.

6.2.8 B Mecrax flepexoAa BoAHhrx flpepag, oBparoBc pesxofi neperuenofi

— rpoAoJrbHoro npoQup ucnoJrb3yp aHKepHre onop 6e: ycaHoBKrr MexAy Hr{Mrr

— ocHoBnrx onop npr4 ycJroB.r, irro paccroHr,re MexAy HrzMr,r He 6onee 8 nr. 6.2.9 Y crpoitcb opaxAeHrs. Ha HacbrHoM fpyHTe 6er npunx:ua Mep no ycrofivunocy onop 3alpeyao.

6.2.10 Onoprv 3poraBJrr,rBaror I,r3 cr€left, [polI3BeAeHHblxB coorBepcbBI,luc IOCT 380, IOCT 1050, fOCT 27772, fOCT 14918 ranu IOCTP 52246. 6.2.11 Tonqzna cralwt AJrr r43roraBJleHI4rl orKochbx oflop AoJlxGa 6rrru ne

— rueuee 1,4 MM, AJrr BceX ocr{IJIbHlx - He MeHee 1,5 rrau.

6.2. 12 PexorraeHAyeMbre cetleHlit olopc fleroM Bblcorhl ofpaxAeHI,It

— np[BeAeHbrs pa6rraqe 2.

Ta6nnqa 2 - Ceqeulte onopB coorBepcbB[[c srcofofi opaxAeHrr

Ceqenne oropbr, MM Brrcora ofp,DKAeHr.r, MM 500 u

MEHEE

6onee 40x40 40x60 60x60 60x80 80x80

Q4s

@76 09s at02 flpurrrvanue - Onopu opaxreurr nplHrrbr rlcxoar u3 pacuera 4eficrrrn npeueunofi

Harpy3Krr or xr,rBorHoro nJru qeJroBeKa rrrp{JroxehH}'roK Beplr.rHe orropbrB fipeAenax 100 - 150 xrc.

6.2.13 Onopu, r.r3roroBJreHHbre rr3 crrurrHhrx fHyrbrx 3aMKHyrbrx cBapnbrx

KBaAparHbrx r{ nprMoyronrnux npoSlrrei HasHaqaror conrachO fOCT 30245, a oflopLr Kpynrora ceqeur,rf, r,r3 crrurrHErx 3JreKTrocBapHbrx nprMorxonnnx rpy6 - courachO fOCT 10704. 6.2.14!.orrycr.uv.:";e orK;roueHr4r reoMerp[qecKr.rx flapaMepoB olop olpaxAeHr,rr or HoMr.rHanbHbrx He AoJrxHrl npeBblxarb :ua'renuft, [peAcraBJreHHhrx r ra6prrqe 3. Mero4rr KoHTpoxJrr uo u. 9.4.

Ta6nuqa 3 - „{onycpym6re orKJroHeur.rq reoMerpprqecK}rx flapaMe'rpoB onop

Hal,lvenosaHr4e llapaMepa llpe4enrnoe

l,lncr"pyrr.renr KoHTpors

ОТКЛЮЧЕНИЕ ОТ

HOpmATTTBHOTO 3HaqeHrlt

— ceqeHl,le +1,0 l4suepuremxar MerarJrrrqecxag ruHeftxa no |OCT 427 ull.u ruraHreHurrpKyrrb Ml{-3 uo fOCT 166

— flonepevnoe

— cTo ABTO.IOP 2.27-2016

Oxouqauue ma6nuobt 3

[nuua +10,0rrarr,r Py.nerxa P3-20 no fOCT 7502 Toltturena crel{Kr.r +0,18 narrt llraxreHrapryru Mlf,-3 no |OCT 166 flpxnaoluxefinocr:l l lrna nal rr.r anznr l,l:rrrepr,rrelrnar MeraJrr4 qecxa.rr unefi Ka no fOCT 427, nttryr c:rpoxrelrHuft, orBec crpor.rrelrulft no |OCT 7948

6.2.15 [onycxaercr rpr,rMeHeHue onop Apyux KoHcrpy*rr.rBurrx peurenzft, He onucaHHblxB cTaHAaITe' Hanpl4Mep l{3 noJll,lMepHblx KOMllo3LiTHblX MaTepl,l€UloB, npu o6ecne'renr{u ycrofi'uBocrr.r KoHcrpyKrlruc yqeroM 4eficnur Harpy3Kp4 c usru6aroquu MoMeHToMB ceireHr.ru onopbr He venee 2,0 rH*u. Onoprr zs [oJll4MepHLrx KoMllo3lrrHLlx Marepr,r€llroB AoJIXET coorBepcrBoBarl rpe6oganzsN4. npeAbsBnreMhrMK oropaM opax4enrai corrracuO CTO ABTO.{OP 2.24. 6.2.16 3aaema onope 6eroHHufi \$yn4anrenr AorrxHa 6nru na rny6ltry He MeHee qeM sa 250 nrv nuxe uy6raurr [poMep3aHr,r, s xerego6eronnrri (fyn4arr.renr - He MeHee qeM Ha 500 vrra HrrKe ypoBrrrreMru. PeKoN4eHAyeMbre AJrr4H6r orrop [pr4 ycrpocicrue 6eronnozo r4 xeJre3o6eroHHofo \$yranrenronB coorBepcrBnr4 c

— rrry6r,rnar,rrr npoMep3aHr.r [pr.rBeAeHbt s:ra6ruqax B.l uB.2 [punoxeHr.rB crauaapa.

6.2.17 Bunnor,hre cBau peKoMeHAypor sarny6lrrB rpyHT na rny6uny ue MeHee qeM sa 250 rr,rnr uuxe rny6raH6r [poMep3aHr.r. B ra6nr,rqe B.3. npunoxenrB craHAaapa npeAcraBJreHll peKoMeuAyeMhre AJlr,rHbr onop Br.rHToBbrx csatrrs cooTBeTcTBrec rJryol4HaMx [poMep3aHr4r.

6.2.1 8 Onoprr Moryr lrMerb AonoJrr4TeJrbHhre opBepcr.r 4rrr ycranoBK,r KpenJrenr4r orroorofi onophr. floloxesr.re oTBepcT4r.r oflpeAeJrrloT Ha 9Tane 4eraasnoft npopa6orx.r KoHcrpyKrlr,ut opaxAeH_sc ocHoBHhrMr.r rexHr.rqecKr,rMr4 perreul,lTMlr. .{aruae rpe6oeauue orHocl{TbctK opBepcTrrrMB opxocHbx onopax. 6.2.79 Ha'ambHhre r4 KoHeqHbre onopbl neuexoAHbrx opaH[q,rBaroflryx opaxgeuufi AoJlxHl 6utr o6opyAoBaHr cBepoBo3BparlarentMr,r, r.r3roroBJreHHbrMr.r

B coorBepcrBr.ruc |OCTP 50971.

6.2.20 tlpu np[MeueHr4r4 aHT.r.rKoppo3zoHrrozo rroKpH-wrt Ha onopax rrBer ero

AOJIXeH ObrTb OAT,THaKOBETMC IOJlOTHOM OrpaxAeHr,rr. 6.3 Tpe6onanlrrK roJrrorHy olpaxAeHr 6.3.1 flono:rno opaxAeur.n AoJrxHo 6urr cnlounhrM Ha BceM nporrxHr,u4

3aAaHHOo yqacTKa, He AOJTXHO r,rMeTE pa3pbrBoB. 6.3.2 Ilpurr,reneHr4e rroJrorHa olpax(AeHlr r,r3 rrJrereHbrx, TKaHblx r{Jrr.r Burlx

MeTturJrr,rqecKr.rx KoHcTpyKtltlr, a rakXe ceToK r.r3 [oJrr,rMepHbrx MaTepr{aJroB He AonycKaerc r.l3-3a prlckKa paHeur.rr, 3acpeBaHr{rB y3Jraxn ru6etu)KlrBorHoro. 6.3.3 Ilonorro ofpaxAeHrrr r.r3roraBJrr4Baror r,r3 rrpobojroxu no |OCT 3282 A[aMepoM or 1,8 nrlr Ao 5,0 MM (Ao nanecenur norprnr.rx).

— cTo ABTO.IIOP 2.27 -2016

6.3.4 Bepfl,rxanbHr npoBonoKa rroJroTHa Ofp€nKAeHr,rJrB OAHOM HalpaBneHXI,I

AOJTXHa r,rMeTb oAl4HaKOgrfi Ar'rar4erp. f opusouTEIJIbHat IlpoBoJloKaB OAHOM HarpaBJeHI,I,III MOXeT l'IMeTb pa3JII4qHble Al'laMeTph.

6.3.5 IlpoaonoKa [oJroTHa or-paxAeHr4{ AOJDKHa paCIIIOJlaraTbctB AByx

B3al,IMHO [epneHAr4KyJr{pHblx HanpaBJeHI'rrx, It coeA[HeHa MexAy co6ofts Naecpe — pepecetpHlr MepoAoM cBapKr no |OCT 15878.

6.3.6 Bepnralsnar npoBoJroKa AoJIXHa 6utr npl'IBapeHaK KpaffHet

BO BCeX TOTIKaX nepeceqeHI,I,lr. ropr,r3onT€ulbHofi npononore 6.3.7 fopv goHTEUIbHaJI npoBoJloKa AoJlxHa 6rrrr upunapeHaK KpatHet

— nep:ruxalnofi Bo Bcex poqKax nepeceqeHI'rr.

6.3.8 .{onycraeTcr He 6onee nsru He cBapeHHbrx nepecevenufi [poBoJloKI,I Ha

— oAHoM KBaApaTHoM Meppe rroJrorHa ofpaxAeHr (ra nrcrcnroueHneM KpatHet — npoBopokr.r no n. 6.3.6, n.6.3.7).

6.3.9 PaccrorHre MexAy BepnrKirJrbHbrMr.r [poBoJloKaMI4 cneAyer npuHI4Marb

— o,ur.rHaKoBHM. PaccroqHlle Mex.qy octMI'I npoBoJloKIit AoJIXHo 6urr 50 urra'

6.3.10 PaccrorHr,re MexAy ropr,r3oHT€urbHbrMv [poBoJroKaMr4 Moxer I,IMeTb

— nepeMeHHoe 3HaqeH[e. COqepaHUq paCC:roxH1tfi MeXAy OCIMI'I TOPl43OHTIUIHOI'I — rrpOBOJroKp4 IIO BblCoTe onpeAeJltOTC s. rrpur pa:pa6Opxe l'IIAIIbI{AyaJlbHrIX KOHCTpyKTI,TBHUX peureUft OrpaxAeulrTB COOTBeTCTBUIc OCO6yul4 ycJIOBIIxMI4 CTpOr,rTeJrLCTBa pa rpe6OaanutMI4 opaHI,I,l3allUn Mep rto O6eCneqeHI'IIO 6e3o[aCHOCTI4 — xT4BOTHOTO MI{pa I4 OrpanlrvenUft HeCaHKI44OH4pOBaHHEIx AefICTB[ftB rroJIOCe — oTBOAa aBTOMO6r.rJrLHOfi AOpOM. MUnualrnoe paccTo{Hrre Mex.qy octMI4 [poBoJroKI4 AoJIXH 6 6116 50 MM, MaKcI4M€IJIbHoe - 150 nalr, KpargocTb - 50 rr'lrrl. B Cn1n{ae HeKpaTHOpo KOJII,HeCTBa tqeeK 3aAaHHOfi Urlt4He IIOJIOTHa AO[yCKaeTCt — paccroTHre MexAy KpafiHei npononoxofi cAeJarb KparHblM 25 MM.

6.3.11 .{onycraeTc, qro ropLI3oHrJIbHaul [poBoJloKa noJlorHa orpDKAeHwI

— nroxer 6srrr He IlpTMOJII.IHe ftsoitu IIMeTb rHyTbli npo(h'l'Jlb. Bapraanrrt ucnoJIIeHlit [oJroTHa orpaxAeHw AaHHOTO Tr.rna npeAcTaBJeHbrB Ilpr4JrOXeHr,rUf CraHgapa.

6.3.12 IM yAo6crBa MoHraxe [pl'IMeHrIKtr noJlorHo orpaxAeHI4t AluHofi ne

MeHee I5 M.

.{onycnanalte orKJloHeHI,I,It reoMeppl,HeCKI'x [apaMepoB noJlorHa or HoMr,rH€IIEHrIX He AoJlxHhl npeBIIrrarb ztaueyuit, [peAcraBJeHHIX

— орpax.qeHl,l'

B ra6nuqe 4.

— cro ABToHoP 2.27-2016

Ta6nlrqa 4 - [onycruMbre orKJroueHr,rr reoMerp[qecrr4x [apaMerpoB noJrorna orpaxleHt
HauueHonanre napaMerpa flpegenrnoe orKJroHeHr,re oT HOpmATUBHOTO 3HaqueHr{t
l4ncr"pyuenr

KOHTpOJTfl lllylrr.a [oJrorHa ofparqeHl,l't +0,syo Pynerra 2-ro xnacca

TOTHOCTI,l IIO focT 7502 .llpuua nororua orpax.reHuq +1,5 yo

Pa:rr,tep sqeizxu +10 yo l4suepureurax

,,{.nuna cro6o4ubrx KoHrloB fopr,r3oHTa.n;Hofi nponoloru ne 6oree 50+10 rurra

MET€UIJII4qECK'UI nunefira 2-ro x;racca

TOqHOCTI,l nolOCT 427

„{nuna cno6o4Hbx KoHlloB nepturamnoft npoBoJroKl,r He 4onycxaercx

— ll:l:raurenquprylr MII-3 no |OCT 166. Mr.rKpoMerp no |OCT

,,{lrauerp npoBoJroKr4 *0,10 rurr,r

6.3. 14 llprarr,renenr.re [oJrorna ofp,Dr(AeHr]rr 6eg 3arrlr.rrHoro [oKphrrr.rJr 3aflpeqeHo.
{onycrr.ruure [apaMerphr rroKphrrzrr npoBoJroKuB IOJTOTHe OrpaxAeHr4rr yKa3aHoB pa6ruqe 5.

Ta6nzqa 5 - [ouycruurre napaMerpbr 3arrlrITrro rroKphrrr,tr [oJrorHa OrpaXAeHl'l'

{uauerp llpoBoJroKr{

Torrqr,rxo noKphITl,l't, He MeHee, MKM Mero,u KoHTDoJrt

Ns nln HauMeHocagrie lloKpbrTnt

llOJIOTHA otpaxAeHr,u,

<3 250 r,axrr \.8.2.5, flpzoxeuueE uacrrrrqero CTO ABTOAOP

— flo;ruuepnoe

lloKpbrTr{ e

100 rraxv

Tepuoau\$\$\$pr{onHoe

— n.E.2.7, flpranoxenueE sacroxqero CTO ABTOAOP

— rlr.rHKoBoe [oKpBITr.rec 4n1.xcra4ufixofi naccusau:aeir

BCe

Al,lAMETPLI 30 uxrra

6.3.15 He AorycKaercr orcJrar,rBaHlre [oKpbrrr,rr, na6lxaue, ny3brpeHr,re, o6pa3oBaHr4e
[oArrJreHoqHofi (nognonepxuocrnoft) Koppo3r.rr4. [lo rpe6oranzro focy4apcrreunofi ronrnanzu
<<Arro4op) MoryT npoBoAr.rrrcr crrbtraHvrfl Ha Koppo3r.roHHyro croixocr gJreMenroB
orpaxAeHlrr.

— cTo ABTO.IOP2.27-2016

6.3.16 ,{onycraercr HaHeceHr,re Ha noJrorHo ofpaxAeHrrr r,r,rusoplaaquur arl4e nro6paxeux,
Koropoe Moxer tBJrrrEcr Jlororr,rrov focy4apc:rBeHHofi KoMnaHlrr{ <ABToAop>, gJleMeHToM
cr4rHaJrbHoro unu znQopuaqrroHHoro o6ognaqeuy. 6.3.17 Koncrpyxlu (rr.rnu) rroJrorHa
orpaxAeHlrr [pr4BeAenrB rrpr.rJroxeh[r,rfx HacroxqeMy craHAapy. 6.4 Tpe6onanr4rK

3JreMeHTaM KpenJreHr,rr. 6.4.1 3nerr.renThr KperrJreHr,rjt [peAHa3HaqeHhr AJrt coeAvHeHr,rt oJop, [oJloTHa orpax.qeHr4r, oTKocHbrx onop l,l flporrux SJreMeHToB cr4cTeMbr orpaxleHr,Ul. 6.4.2 Snerraenrbr KpelJreHrrr AoJlxHhr o6ecneqrat JrerKocrbB MoHTaxe, lpoqHocTL Ilpr.r SKcrulyaTarlulr, Bo3MoxHocTb AeMoHTOKa rrpr4 peMoHTe. 6.4.3 IllarB ocrx MexAy KpenJreHr,rrMr.r rro Anr4He onopH Ha3Haqaerc paBHbrM y nu6upaercB 3aBr4cr.rMocr.r or rrrrrpl,rHbr noJrora orp€DrAeur,rr t4 AoJIXeH 6rrrr ne 6onee npe4craBJenHhrx cyaqexzftn ra6ntrqe 6.

Ta6nyca 6 - Konzqecno lpenleuoft Ha oAHy onopy Bucora orpaxgeHr,rr, MM Kotlrqecrso KoMIJleKToB KpeueHur, n rrrT Illar (pacrrope) rraexy

KpenJreHurMr4 Ha oAnofi onope, MM s00 62s flp r'r uevanue - flpr.r nrrore orpax4enrar 6o:ree 2500 uu, KonrrsecrBo (oMrrJrercroB rpenreruEfi nrrrHIMaeTcr pacreToM oAr4n rrranlercr na 500 MI{ srrocrH orpaxleHur.

6.4.4 crrrxoeKa cMexH'rx pynoHoB Moxer ocycqecBJrrrbcr BH€x;recr KaK Ha olopax, TaK r.r MexAy onopaMn orpaxAeHr,rr. Percouen4yeuoft parvep HaxJreca cocpaBrser He MeHee oanofr sqeftKrl. 6.4.5 Kpenenne AJrr crbrKoBKrr cMexHbrx pynoHoB ycaHaBJrr,rBaror vepes 200 MMB TUAxMaTHOM nOpAKe Ha Bcro IIIlJlpr4Hy rroJroTHa orpaxAeHr4s. 6.4.6 3nevenrbr KperrJreHr4r orKoc'hrx onopK aHKepHbrMny roBhrM AoJrxlrb o6ecneqsalt neo6xo4zuyro xecrKocrb r.r Bo3MoxHocTb nepeAaqu coorBercByKrrqux ycutnfr . 6.4.7 [orrycraeru orKJroxeyr.re reoMerpr4qecKp.rx pa3MepoB sJreMeHToB KPCIIJIEHI,' OT 3A'IBJIEEHbIX NPEANPI'IITI{EM-I43IOTOBI,ITEJIEH HE 6OICC qCU HA ABA

Mr.rJrJrr.rMeTpaB ooJrb[rFo cToBoHy.

— cTo ABTO.IOP 2.27-2016

6.5 Toe6osaHlrrK 3a3eMJreur.rrc 6.5.1 Arl^ 3a3eMJleHlIt clrcrMbr orpaxAeHlrr neo6xogurrao rrcfloJrb3oBarr, B nepByo oqepeAb, ecrecrBeuHbre 3a3eMJrr,rreJrr,r (onopn orpax4enux). Eclra Aanxrre

3a3eMJrr,rTeJrr,r r.rMeroT co[poT4 BJreHrre pacTeKaHpo, yAoBJreTBoppoque TpeooBaH[rM

Il O], yctpofi crBo lrcKyccrBeHHhrx 3a3eMrrr.rrerefi ne rpe6yercx. 6.5.2 Orpaxaeuorc upoxennofi oo{3aTeJrbHoMy 3a3eMneHpo [pr{ rroMoullr

— xa6elurofi r'usueitt [o.uJrexar

— oTAeJlbHOTO OTBeTBJTeHl4TI, eCJrr.r

— ecrecrBeHbre 3zeMJrureJrr,r He opBeqaror rpe6oranuxull O].

6.5.3 Ilpy repeceqeur.ru ocu orpaxAeHr,rr ra6earnoft Jrvtnuu

— onopbr 3OHbl, B

— orpaxAeHr,rr neo6xo4unro ycranaBJrnBarb 3a fpaHr rlaur.r oxpannofi

— nporr.rBHOM cnf{ae 3a3eMreHr{e cycreMbr orpax(Aenr,rr o6rsarennoil O].

7 Tpe6oranufl rro MoHTaxy

7.1 O6yue rpe6onaHr

7. I.l Mos:rax c[creMLr olprDKAeur,rr cJreAyer BbrnoJrhflTbB crporoM coorBercBrruc rpe6oaaxr,rruu nnoerrnofi AoKyMeHTalul4 r,r craHAapra.

7.2 Tpe6oyaurnrrK reoAe3lrqecxr.ru pa6orarr,r

7.2.1 leorcsurrecKlren pas6nnounrre pa6orrr AoJr)KHLr o6ecne.{[t roquoe

— pacnoJroxehr.re orpaxqeHr.rB [JraHe rr [potpr.rJre r.r BKJrloqaTb: - npr,rBr3Ky coopyxeHr4r; - pas6lnxy coopyxeHr4rB nJraHe. Onpegenenne orMeroK AoJrxHo rpo[3BoArrrbctc nplB{3Kofix nocorrnorray peflepy, pacnoJroxehHorr,ry n6rrsn or crpotfillerocs o6lexra. I .2.2 Pa6ors AoJrx(Hbr BbrloJrurrbcrB coorBecrBl.luc rpe6oBanwtMu cn 126.13330. 7.3 Tpe6osaHnsK [oAroroBKe Mecra MoHTaxa 7.3.1 Pa6orur no pas6uere rpaccbl orpax.[eHl,rt HaLlI4HitKtrc ycrpoficrsa 6asonrx BerrreKB Mecrax ycraHoBrr4 xpaflinux 14 y roBblx onop rI A€ulee Ha

— ropI,l3oHT€UrbHLrX r{acrKax.

7 .3.2llepea HarraJroM MoHraxa cucreMbl orpaxAexlIt neo6xoAurrto flloBecru noAroroB[TeJruue pa6our, B ToM qr.rcJre pacwlr(y ocn crpo[TeJlrcBa. 7.3.3Heo6xoAr.rrrao BbrloJrHr,rrr pa6orrr ro nro\$ranrponauuro rpaccbl ofpaxAeHur. BAolr ocu 6ayayero orpaxAeHl4t rpe6yercx cpe3arb 6ypny 3achrlarL rMbr, BbrKopqeBaTb rrHrlr, yA€urr.rre KaMHrr l,l r.g. llptt ueo6xo4nvoctn,

AoJrxHbr 6rrt o6opyAoBaHrr BoAocroK.r rI BoAonpolcKuB Mecr€x nepeceqeHlrt

TpacceEr orpaxAeHnc prrbtMuu MecTaMl,r, 3aTopIJlreMbIMlI [aBo,qKoBbIMlI4 BOAaMlI. flpy rcrpoficrBe cr.rcrMhr ofpaxAeHlIt gltvHLfi [epLloA (ronrroc [pl{MeHeHueM

BlrHToBbrx craft) neo6xoAr,rMo Ao[oJrrr.rreJlHo pacqlrcrl4Tb floBepxHocrb 3eMJlI or

— cHera.

— cTo ABTO.IOP 2.27-2016

7.4 Tpe6oanvs nny ycrpofc crne (pyrarr,renron 7.4.1 Vcrpoficrno SyngaveHroB t4 KoHpoJrr KaqecrBa arnonuenrrrx pa6or

— rpoBoAr,rrb coruracho Cn 70.13330.

7.4.2 Bypenue cKBaxr4H rroA onopbr orpaxAeHr,rr ocyqecrBJrrer Ha

— peKoMenAyeMyro rny6ury no cefi Tpacce onpax,qeHrar co rachO pa3MerKe.

7.4.3 Eypexre ocyulecrBJrrercr MexaHr4qecK,rM r,rJrr,r pfrHbrM cnoco6oM, a

Ao6ynBaHl,le cKBaxl{H - pf{HhrM r,rHcrpyMeHona. llplr zs6rr:roquoi rny6r.rHe nro6ypennofr cKBaxuHhl ocyurecrBJrrercr Aocbr[Ka rpyHTaB cKBa)Kr.rHy vl y[JrorHeHr{e fpyTa AJl AocrLIXeHur rorrHofl rry6uurr cKBax[Hbr. 7.4.4 llpu ycrpofcTBe cKBrDKnHrrB oco6hrx rpyHToBbrx ycJroBr.rrx, TaKr4x r(ar

— cyxLre cbrrrrrue fpyHTHr, B Hee HeooxoAnMo ycTaHoBrr4Tb orraJryoKy l,l3 pynoHHoro Marepvulre,, Tnna py6epou4, Atrt [peAorBparlleHr oc6r[aHr.r creHoK. Heo6xoAuuocrb AaHHoro pelreHr[r yroqHrercr [poekToM. 7.4.5 lloaaqa 6eronuofi cMecr{ B cbaxnHy Moxer ocyurecrBJrrrbct He[ocpeAcrBeHuo rr3 asro6epouocHecr.rreJrr flpfi [oMorqu 6erononacocos ltrLI Apyrx BcloMoraTeJrLHhrx ycTpolcTB; T,tM, rAe 9To HeBo3MoxHo, cMecb caeAeT

TpaHcnopTr.rpoBaTbK MecTy yKJraAKr.r Bpr{Hyroc ucrrorE3oBaHr.reM Hocr{JroK lrrJrr,r

TAqKI4. 7.4.6llpu ycrpoficrne 6eTonno 14 xeJre3o6epoHyoro \$yngar,,reHra Heo6xoAlrMo co6Jrrro.qarb rexnoJroprc yKJraAKr{ 6epouuofi cMecr,ru BpeMr Ha6opa nroqHocr, 6eposa no Ctl

22.13330. 7.5 Tpe6onanut purycraHoBKe orrop orpaxAeHr4r. 7.5.1 Onopsr orpor(AeHnr Heo6xoAr.rMo ycraHaBJr[Barb crporo no ueHTPy cKBax,rHbr. Conpurocnoneuee 6oroerrx [oBepxHocrefi onopc fpyHToM vl

— apMr.rpyrcqr4Mr,r KoHcTpyKtlr{rMr,r, He AonycKaeTcr.

7.5.2 flocc;te yKJralKr.r 6erouuofi cMecr.rB cKBDKr.rHbr, c ycraHoBneHnrMr,r orropaMn, neo6xogurr.ro [oBTopHo flpoBepr.rrb r{x Bepr{KaJrbHocrb. B cnyrae orKJroueufir - BrrpoBHrrb olopr Ao HaqEUra cxBarhrBaHr,r 6e:ronnofi cuecz. 7.6 Tpe6oranr.rK ycraHoBKe rroJrorHa orpaxAeHr. 7.6.1 Mosrax [oJlorHa orpaxleHr,r ocyrqecrBJrrercr cHelrHefi (nuqenofi)

— cTopoHbl onopbl llo oTHolleHr,rroK Aopore, T.e. rroJroTHo orpaxAeHr{r HaxoAr.rTcs MelKax olopaMrrr r4 ocbro asror\4o6r,urrHofi Aopon4.

7.6.2 floccr Sllxcaqur.rK onopM rroJrorHa orpaxAeuurr, Heo6xoAr.rMo

— flpoBepr,rTb ero Bepr,rK€urbHocTbc noMorrbro ypoBHr.

7.6.3 OrrnoneHlre BeprvK€urlHocrn noJrorua otpaxAeHlr Ha AJrr{He lO rra ne

.troJrxHo cocraBJrrrb 6onee 30 rr.rnr.

— cTo ABTO.IOP 2.27-2016

8 Tpe6onanurK coAepr(anlr or peMoHpy

8.1 Penaonrsue pa6orbr cr{creMbr orpaxAeHr.r ocyrlecrBnrrocr no Mepe neo6xo.uuocru.

8.2 Ilpy o6pa:oranur,r eAr,rHr4qubrx pa3pbrBoB cBapHbrx coeauueuir rroJrorHa orpaxAeHrr Bo BpeMr sKcnJryarlnri (6onee 4 ryr. Hal lr' nloulaAr.r nolorna)

— coe.4l4HeHr'te [poBoJroKr.r ycTpar.rBaroTc floMolrbro 3€DKr.rMaloull{x gJleMeHToB.

8.3 Ilpy o6pa:onanrauB rroJrorHe olp€DKAeHr4r norpex4enrlfi o6qefi nnoulagbro 6oree 0,2 na' neo6xoAuvo [por{3Becr.r 3aMeHy rleJrofi ceKqlr4. B rropra

— cJrrrae peKoMeHAyeTcr coxpaHrTb KpenJreHr4eK onopaM HenoBpexAeHHoro rracrKa loJroTHa r4 ycTparaBaTb AonoJlHr,rTeJrbHble KpenJreuvr BHOB6 ycranaBpaeraofi

— ceKur4l4.

8.4 B cnyrae HapyeHr.r Bepr,rK€urlJlucrr4 floJroxehr.r oflophrB Bt4Ay orKJroHeHur Qyx4alaenra or npoeKTHoro floJroxehr,r neo6xo4nvo npolr3Becru paspa6oppy rpyHra BoKpyr \$ynganrenra ua213 rty6uurr 3ElJroxehr{r, Ha rrrpnHy He

MeHee 400 MM or ocr4 oflopr, Bepnyrb onopyB npoeKTHoe lloJIOXeHl,le, [OCJre qepo

— o6pa3oBaBuracr rr€r:yx) MecrHrM flpor.r3Becrlr o6parnyro 3achrnKy (sa6arry

— fpyHToMc nocrofinrry yfinorHeur.reM.

8.5 B cnyrae :aaJw.rva nonpexgennfi olop ofpaxAeH[f., noBJreKrlx sa co6ofi lorepro ycrofivlraocru c[creMlr olpaxAeHr4r, neo6xoAr.rnao npor,r3Becr4 3aMeny noapex,uuuux 3JreMeHToB (onopy, noJlorHo orpaxAeHr, gJreMeHTbt rpennnar).

8.6 Ilpy eKcnJryarlr[orpyKAeHr4r neo6xoAr.rrr,ro ocyrlecrBnrL KoHTpoJrb 3a o6paerauuev troAKonoB r,r pa3MhrBoB HaxoAglqecB rpyTe qacr,l,l cerKI,l rl

\$yxganreuron ouop. Ilpy o6Hapyxeuu [oAKonoB r,r pa3MErBoB neo6xoAr,rnrro

BocraHoBrrb nepBoHaqapbuufi yrorey rpyHra.

8.7 Co,qepxaHrie ofpaHlrtrBaroqrlx neuexoAnblx orpax4euufi Bbl[oJIHtlor

- coBMecrHoc gJreMeHTaMu asroNlo6[rufofi 4oporu (rporyapanru, neuexoAHrIMlt
- orpaxAeHrrrMr.r, AopoxHbrMr orpax4euurrur).

8.8 B panrrax JrerHero coAepxan?It BblloJIHterct naofira orpax4enufi noAofi

- rroA AaBJreHreMc [oBepxuocrHo-aKTr{BHbrMu MororlrMri BelrlecBaM[, 6egouacnrrun AJrr oKpyxarorqefi cpe4u. Moftry 3arrlrTHbrx orpax4enufi, ycraHoBJreHH6IX tro
- tpaHurle noJrocbr oTBoAa AonycKaerc He BLrrroJrHrb.

8.9 B guunfi fleploA er<cnnyarupylouqeft opranusaqeft cJleAyer npeAycMarl,rBarL MoHuropr.rHr 3a f{acrKaMl,l asroN,ro6l4ruHux Aopoc

- ycrauoBJreHHHMr4 ofpaHr.rqr,rBarol+.rMlr orpax,qeHtMI{. flpu neo6xoAuuocr
- cJreAyer BrrroJrHrb naeopnprarrufi no y6oppe cHera comacno [6].
- cTo ABTOHOP 2.27-2016

9 Crponre.nunrfi xonrho.nbn oqenKa coorBercrBlfi

9.1 Crpoz:rellnrfi KouTponb rrpt,t BhrnoJrxehr{r{ pa6op no ycpoficrBy

3alq,lHbrx orpax4enufi ocyqecBnrroB coorBercnuuc l7lu [8]. llo4rnepxAeHrie coorBercrBr,rr BhrloJrHeHHHrx pa6op ocyrqecBJnrroB coorBercrBr,ruc l9lu l2].

- pa6op 9.2 Crpouennnrfi xonrho nb nroBoAr4TcrB rleJrrx flpoBepKlr BbrnoJrHeHr.r rro ycpoficrBy gJreMeHToB cr.rcreMEr orporAeurrr Ha coorBercBlre :rpe6onauz-au nroerurofi lr floAroroBJrenuofi Ha ee ocHoBe pa6o.refi AoKyMeHTaq{r{, pe3yJrbraraM r{HxeHepHrx nslrcranni, Tpe6oBaHr.rfi TexHr{qecr.rx peDraMeHToBB qelxx o6ecneqeHs 6egonacuocr,r sp:a:auia r.r coopyxenufi . 9.3 Bxo4nofi KonTporrb 9.3.1 Bxoasofi rontpom crcreMlr orpaxAeHr ocyrqecBJrrer opaHr43arr,r, BhrloJIHtrourarr crpov reJlbHo-MoHTaxHEle pa6opbr Ao flprrMeHeHr.rB nroqecce clpov reJrbCTBau BKlpoqaeT nroBepKy }laJrut{nf r,r coAepxaHr{r .qoKyMeHToB nocraBrrlr,rKoB, coAepxaqux cBeAeHlro KqecrBe rrocraBJeHHoft r,rMl [poAyKllr{u,
- ee coorBercBut, rpe6o3auutna pa6ouefi AoKyMeHTarlulr, TexHr4qecKrx perJraMeHToB,
- cTaHAaIToB r,r cBoAoB llaBr,rJr. 9.3.2 Opaun3aqu, BbrnoJnrroBqerr crponreJrrHo-MoHTaxH;re pa6opbr,

AOJIXHa npr4 OCyqeCTBJreHr.rU BXOAHOTO KOHTpOJIT [pOBeCTI4 B yCTAHOBITEHHOM

- lloptAKE rr3MepeH[r r{ llll6rTaHl,tt SJreMeHToB cr,rcTeM6r orpaxAeHr,rr cBop.rMr.r cvraMvl
- r.urr.r [opyr{l4T6 Llx nroBeAeHr4e aKr(peArroBaHHofi opaHr43arluy. 9.3.3 B cryqae ecJrrrB xoAe rpoBepKv co6nroAeHur nnaBr,rJr cKJraAr.rpoBaHr.r rrr
- xpaHeHr.rrr BELf,BJTeHlT HapylueHlrr ycTaHoBJreHHbrx HopM 14 rlpaBl,rJr, npr,rMeHeHr, re [poAyKllr{, xpannnureficrc HapyueH[eM, AJr.f, crpor4TeJrbcrBa He AonycKaerc BnneAb Ao noATBepx(AeHrrr coorBercBlrr floKa3areJreft ee KatreocrBa rpe6oranux pa6o.refi AoKyMeHTarlrr, TexHvqecKrx pe rraMeHToB, crallAaproB rr cBoAoB [paBJr. 9.3.4 PeronaenAyeM€ur MeroAnKa [poBeAeur,rr BxoAHoro KOHTpOJrr eJreMeHToB cltcreMhl orpax4enr.rfi [peAcraBJreuaB rrpnrJrox{euru .{. lx HacropuleMy craHAapry. 9.4 MeroAu KoHrpont 9.4.1 Jluuefrr;re p€t:Meplr eJreMeHroB orpax4enufi nroBepro pyrrerKofl 2-ro
- KJracca roqHocrl no FOCT 7502, uzvepurenbHofl Meraflrr{qecKofl nr.rnefirofi 2-ro

KJracca roqHoclr nofOCT 427, nraurenlrpKyJreM (c qenoft AeJrenlr 0,1 rarra) no fOCT 166 unu Apyrr{Mr,r r{3MepureJrbHrrMr4 cpeAcrBanru, o6ecne'ruBaro lrlMr,r rpe6yerr.rl'ro rotrHocrb r.rslrepenzft . 9.4.2l4zuepeuut rpuolunefinocrn gJreMeHToB cJreAyer narrrryrofi cT pyuoi ll MeraJ"rJrr,rqecKoft floBepeHHofi nranefixofi. 9.4.3 Cnapnrre coeArrHeHr.r [poBepror Br,r3yanbHo.

— npoBoAuTb

— cro ABTOAOP 2.27-2016

9.4.4KovnrreKTuocrb, ylrakoBKy, HaJrr,rqlre ll npaBr,rJrbHocrb HaHeceut

MapKr{poBKr{ npoBepror Br{3yurbHo. 9.4.5 MeroAu racnr:rauufi BuHToBLrx caafia rpyHax AoJr)KHbr yAoBJreBoprrb rpe6oBaHurM |OCT 5686. 9.4.6 Meroan KoHrpoJrr Br.r3y€urbHbrM ocMorpoMn reoMerpr,rqecKrx

— flapaMe'rpoB flpvBeAenbrB flpr4Jrox{eur{uEr uacroxrqeMy craHAapry. 9.5 Kourponr KaqecBa ycraHoBKr4 opaxAenut 9.5.1 KonrponL rr orleHKy KarrecrBa pa6or no ycraHoBKe opaHr.rqrrrBaro {tax opaxAeHlfi crreAyer BrrrrroJrrrrbB coorBecrBru c'rpe6oranuqMrz Cfl 78.13330. 9.5.2 KoHrponb nocJreAoBareJrruocr{ r4 cocraBa rexnoJrrrfqecKlx onepaqufi. B xoAe KoHTpoJy nocJreAoBareJrlHocrli ri cocraBa rexHoJrrorv qecKrx

— oflepaql,lu llo cTpor,rTeJrbCTBy cr{creMbr olpa)(AeHr.r rpyqecTBnrreTcr [poBepKa: - cooJrrroAeHr{rr rlocneAoBareJrbHocrli r{ cocraBa BblnoJlHeMbrx TexHoJrrorrrrecxux onepaqufu ux coorBecrny rpe6oaaHr.IJIM TexHlalecKl,lx

— peHpaMeHToB, cTaHAapToB, cBoAoB npaBllJl, flpoeKTHOll{ AOKyMeHTaqnr4, pe3yJrbTaTaM

— r.lHXeHepHblx uslrcranufi, rpaAocrpor TeJrbHoMy [JraHy 3eMeJrryopo flacrKa; - coorBecrBllll KaqecBa Bbr{oJrHeHr{r rexnoJlomecKrx orreparluy ux pe3yJrbropoB, rpe6oBaur.rM flpoeKTHofi ll rroAopoBrennofi Ha ee ocHoBe pa6ovefi

,qoKyMeHTallull, a TaKXe TpeOOBaHr4M TexHr,rqecKrx perJraMeHTOB, CTaHAapTOB r,r

— cBoAoB [paBvJr.

9.5.3 Konrpo.nupyeMEre napaMerphr, AoJycKp.rx cpeAcrBa .qJrr KoHrpoJrt

KaqecBa c6opKr.r opax4enufi [peAcraBJreHbrB Ta6nnqe 7. MeroAu KoHTpoJrr llo n.9.4.

Ta6nlrqa 7 - KonrponupyeMbre rpaMerpr, AopprKr4 r.r cpeAcrBa KoHrpoJrt

KaqecTBa ycTauoBKr.r opaxgeulrfi

KonTponupyenaufi napaMeTp ,{onycr, ruu l4NcrpyneHr KoH'rpoJrt

Tllar ocHoBHbrx olop +50 Pyerra no |OCT 7502 llar ycrrenuux,/

— aHKepHbrx onop +100 Pyerxa no |OCT 7502

Bucora ofpax,qeulrt *10 Pyerxa no fOCT 7502 Otruronenrae Bepxa onop

+20 Jllruefra no|OCT 427, runyp cTpor.rTemxrrfi, orBec crpolrrrelnrrfi no focT 7948

OTHOCI,ITEJlbHO npogomnofi ra EolepeqHofi ocu opax4eur.rfi

-L <n Jllneftxa no|OCT 427

llar rraexgy KpenJreHr.rMr.r

IOJIOTHA CETIO4 K OIIODE

— cTo ABTOAOP 2.27_2016

10 Tpedonannq 6econacHocrrr ll oxpaHbr orcpyxarorqefi cpeAu

10'1 flpu fipoBe.qeHlru pa6or no MoHTaxy clrcrMbr orpo(AeHr4r neo6xo4rau0 co6nrosarr rpe6onanrar cll 45.13330, cll 24.13330, cll 7g.r3330, III], a rarxe pyKoBoAcTBoBaTEct Tl4[oBbIMLr l{HcrpyKt{wrMrlr rro oxpaHe,pyAa. 10.2 Monrax v3Aerrvr. AoJrxeh rpoBoAr{Tbcr 6puragofi, He MeHee qeM r43 AByx qEJOBCK.

10.3 Maruusr.rcrbr AopoxHbrx Marrrr4Hx Aopoxgre pa6ovr.re AoJrxHhr pa6orarr B C[erIOAex(Ae, cneqo6ynu [pr4MeHrrb cpeAcrBa vtAuBr41yarunoft :arqurur. „{opoxHre pa6ouze AoJDKHIT pa6orarrB xr,rJrerax rpKo-opaHxeBoro qnera. Ha Marrrr4Hax He AorxHo 6urr uocropoHHnx npeAMepoB, aB sone pa6oru MarrrrH - [ocToxH]rrrx Jrr{q. 10.4Manr,ruucru (oneparoprr nrarunu) AorDr(Hbr zMerb yAcroBepeHr.re, noATBepxAcroqee flpaBo Ha ynpaBJeHr,re coorBecrBy]orqefi .renvxoi.

10.5 B cnyvax [poBeAeHr pa6ora BetrepHee r{ EorrHoe nperux neo6xo4lrrro opraur.r3oBarb coorBecrByroee ocBerrleHue Mecra pa6or c floMorrrbro npoxeKToBoB

l,lJrr,r MorrrHblx cBeT4JrbHI,IKoB, yCTaHaBJlr.rBaEMeRX Ha BpeMeHHblx onopax 10.6 Ilpu auuolueny pa6o:r, cBr3aHybrx 6yrenlreu cKBaxZH AJrt ycTaHoBKr.r o[op ofpaxAeHru, B Mecrax nepeceqeHr,rr Tpacrbr fleplrMeTpac

— noA3eMHbrMr.r KoMMYHAKaTl[svu o6lexra ueo6xogurr,roB ycraHoBJeHHoM nonflAKE noJr) rrrrb pa3perreHre Ha [poBeAeHr, re 3eMJlf,HBx pa6or or gKcnJryarr.pyroqefi ux oprAH3ar{uu.

10.7 Paspa6orKa cKBOp(rHB HerrocpeAcpeHuoft 6rllsocruu Hr.Dr{e ypoBHT 3aJroxeh4r Qyn4arr,renroa cylectpB,'roqux sganufiz coopyenrafi, a rarxe Aeficreyroqux rroA3eMHrx KoMMYHr.rKarlrrr gonxua [por.r3BoA{TbcrB cporoM cooreecyuycl l].

10.8 Kaxanfi pa6o.<uir AoJrx(eH upofru r4ucpyKrax (o6rqufu ua pa6ouelr rr.tece) rro rexHr{Ke 6e:ouacnoz It [paBr.rJraM BLrrroJIHeHr.r pa6orc coorBecrByroqefi aazcroB xypHure ri roJrLKo floclJe rToro np[cryflarbr pa6ore.

10.9 Ha o6erre AoJrxHhr 6urr pyono4xrqre Marepnnbr rro [por3BoAcTBy pa6op coorBecrBr4r4 c nnyHrrrM peuraMeHToM r,r rexHKe 6egonacsocu. 10.10 Pa6orrr no MoHTaxy, BbrroJrH{eMbre Ha opKpLrroM Bo3Ayxe, AoJrxHbr BblnoJrHrrbcrc co6lrogeunenr lrep 6esonacuocrn pyAaB cpor4TeJreCrBe. Bnyauue! [lpu npr.l6nuxeHr,r[rpo3oBoro \$pona Lr Bo BpeMr fpo3hr Bce paooTLr no MoHTaxy opaxAeHr{r npoBo.qr.rTb 3aflpeqaeTcr. 10.11 Texxr.qeckoe cocpo.rH4e gJreMeHToB crzcreMbr opaxAeHr.r He AoJrxHo TpaBMrrpoBarb o6crpyxueapoquf nepconan - He AoJycKacrc l'r'aJfret4{ ocrpbx

KpaeB, 3ayceHr4rl, HepoBpocrefi, roropte MoryT crar6 nnyznofi TpaBMarr4Ma.

10. 12 Paspyrra cocpaBHLrx qacrefi cr{creMbr opaxAe'r.r AoJrxHa nnoa3BoAr4Tbcr CO6pyO4enueM Mep npeAcropoxHocT.r, t4cKJroqarcqux [a.ueHl,reu yAap. cnoco6u BbrroJrHeHr4r norpy3oqHo-pa3py3oqHbrx pa6op AoJrx(Hbr COOTBCTCTBOBATb IPEAYCMOTPEHHbIM IPABl{JIAM TEXHI,IKIZ 6ESOUACTTOCTUB cTpo[TeJrLcTBe.

10. 13 KoncrpyKtlrr gJreMeHToB opaxq e',Lrlfu [puMeHreMbre Marep,rurJr'r AOJTXHbl 6rrr paccvzrahbr Ha Bo3MoXHOCTE r.rX 6eeonacHofi ynylraq vri uru nepapa6opx,r no [creqeHr,ro cpoKa cnyx6rr fia60 e cJrr{ae cHflTvre. r4x rro TexHl,lqecKoMy cocToHr{lo.

10.14 Yrunrasaq?rr cgrbrxc gKcrrJryarlr4r,r gJreMeHToB opa,KAcHr' flv vrx KoMIyleKT)IK)qlx ocyllectpBJreTct opMH'I3alllrrMl, l{Meloql4Ml4 Jll'IleH3l,Ilo Ha npoBereHr.re pa6or no y'fuirfawv coorBecrByrollero Br4Aa opxoAoB [por,r3BoAcTBa l'r rroTpeoJreHr.

10.15 Ilo oroHtraHnu pa6or pa6ovufi unc, rpyrraeur, rruBeHTapbx 3arqr.rrHhre npzcnoco6neur4r AoJrxHbr 6rrrl y6paHuB cnerlu€rJrEHo orBeAeHHble Mecra, a MEXAHI,I3Mbl AOJIXHbl 6TTTT OTTE4EHbIB CIELIX€IJibHEIE MECTA CTO'H KA VIIPI orpaxAeHrrB cnf{ae HaxoxAeHfir lrx Ha npoe3xefi qacrra anovo6rlrnofi goporur.

Il lapanruu rrlroraBureJrfl

11.1 I,Igrorosureru AoJrxeh rapauTr4poBarb coorBercrBrze orpax4enufi, rpe6onannau Hacrorrpero CTO ABTOAOP. 11.2 lapamuftuufi cpor< 9KcflJryararlr4rl, npeAocraBJrreurft npourroArlTeJreM orpax4enufi, npu co6npo4eHur.r [paBr4Jr HaHeceHvr aHTrrKoppo3nounoro rroKphrrr.rr, lpaHcnorTl{poBKr.r, xpaHeHl,rr, MoHTaDI(a,r,r 9KcrrJryaTallur.r AoJrx(eH cocTaBJrrTb lre

— naenee 5 (nsflr) ret.

— cTo ABTOIOP 2.27-2016

llplr.noxeuueA

(percouengyervroe)

Bapnanrur

— orpaxAeHl|n

I'CN0JIHEHl|fl CIICTEMbl

— ctalt' oeo

!o roxoo-

'_' (\.J ,l"* -1" ,! \s

! i\

— r:, 9

F: ::s r_ ::

::r i:- ifrl]

,_ .: ,

:: s_

— fJl . 00ij cnFt;

\1 nF:+

— cTo ABTOIOP 2.27-2016

('e E{,:

— rrE r- .! }is

<lr- .toeo

— ro 5l jt'*c,ofr o-€ !o :<

— r{ i\ tu 't-\ iJ:a (f

L1 () :: 'rl\ t: J: :-1 if eL)

— gl 6l

;{ul

— ir:. 't

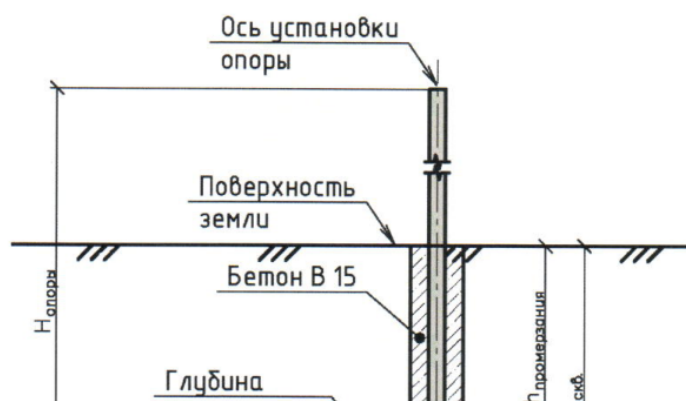
— c!!!,



— сго АВТоаоР 2.27-2016

Ипу.лохеунеЕ (percouenayervroe) Вapnanrrr Qyu4anexroB opaxAennn g.nn pafioxoB, pacrrroJroxеuubrx BHe

— gonH seqHofi MepgJrorbl

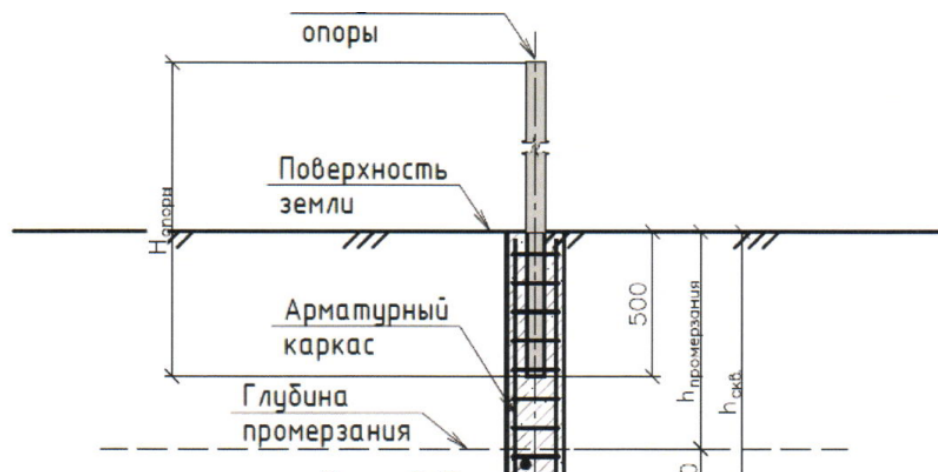


— np0lrep3oHut

— edeHoqHos/necqo Hoq

Pзcyuor< 8.1 - Cxeua ycrpoftcrsa 6erouHoro \$ynAauenpa

Осc ucтoиo0xu



SemonB 15

— edeHotHoq/ne(,loHoF

Рucynox 8.2 - Cxerr.ra ycrpoficrsa xeaesoberouuoro \$ynqaeura

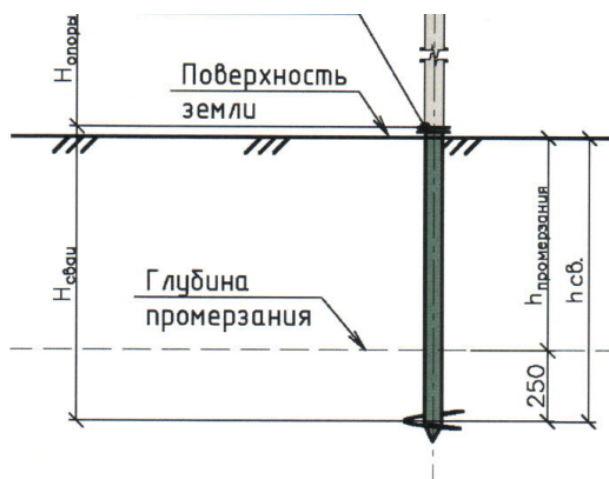


Рис. 8.3 - Структура затрат на реализацию проекта (в тыс. руб.)

Ilpn.roxenueB (cnpanovxoe) Perouengyerbre AJu.rHbr orropB coorBercrBrruc rrrnoM
Qyuganrenra

Tadnnga B. 1 - PeroMeuAyeMau AJruHa orropBrB 3:lBrrcr.rMocrr.r or rny6r.rnu npoMep3aHr.r
[p]r ycrpofi cme 6erounoro ([yn4aueura

$$E \rightarrow g \rightarrow * \rightarrow P \rightarrow x^*$$

— t-q \$ro5 >E> (DO-6 b9q BeB 5st H(o >':. cl

9.'t

.ftuna onoprr ne Menee rrp]r Bbrcore orpaxAeHlr, MM

 $\cdot tF^*$

-q)ir : >,n > E E{: > oOd xtr r{ I FEi ?a (|)r0 !.11

— $s(t)$

HF 6h h'r

— c.l oo c..l

(t)

— r00]U flpr.rrueauux: * - paccornueB cBery or [oBepxHocrr,r 3eMJrr.r Ao nonorra
orpaxAeHr4r,) ,trbrBaer

HepaBuoMepHocru yuona npoQlur. 3naveuae 4ar{o a;r rnpaBKr.r. t+ - paccroruue or nepxnefi
ropu:onralrnofi [poBoJroKr,r lonorna orpaxAeuur Ao nepxuefi rpauu orropbr, fr4TbrBaer
HepaBHoMepHocrr yx,roua npolpunr. 3navenue qar{o AJrr clpaBKr,r, yroqr,rrb

ТЮОСКОМ Л.Л.ИИ4 НА МСОТЕ

Та6нуqа В.2 - PeroMeuAyeMa;r A,'ruHa orropB 3aBr,tcr4Mocrn or rny6uuu npoMep3aur,rr npu
ycrpofi cr:re sa xenego6erosuoru tf ynlauenre

' : Ed Hlx> vcg E>. \9 '3 > Po 5 i.rE d8_ ld ?-) E>l:x

(l) o > '6 > F != HgE E,: E x o. F F > ! E fi 6 aR broE 5' ! o > o v6

— g> E> (|)6 E ;i r.i "-i.

{nuna onoprr ne MeHee rrtz Bhrcore orpaxaeuur, MM

>. (B:(c> s> sd ?x {u !rF >g ID

-> 9e ()i:](|) 6E>t ;| >| a" .R,

!.+

.|e

3(t

(l)

— a] oo

— r'rQ

^()

l 150 30s0 r00 l)J(' t 750 35s0 23s0

— zt)tl)U flpuuevanur: + - paccrorHr4eB cBery or rroBepxuocrll 3eMJn4 Ao rroJrorHa
orpaxAeHnr, yqurhrBaer

HepaBHoMepHocrb yroroHa flpotfzna. 3uaverue 4{ruo Ars cnpaBKlt. ** - paccroxnue or
nepxnefi ropu3ogTanbHofi nroBoJroKp.r nonorHa orpaxqeqr{r ao Bepxnefi rpogu onopbr,) .rrbrBaer
HepaBHoMepHocB y<-noua nrooulr. 3naveur.re garro AJrr cnpaBKp.r,)Totrr.rrb IPOEKTOM IIJIII
HA MCCTE.

— cTo ABTOAOP 2.2t-2016

Ta6ar'rqe B.3 - PexouenayeMru AJrnHa onop r,r Br.rgroBbx csafiB gaBr,rcuMocru or rrry6uuu
nroMep3aHnt

-B g't L= O- -i l':F : >'ii = d: droci: xtrE{,.r E H.A :F-

E> g> :=E >9 x&

— or'E, o:2 =x> bEq rE8 4., .. t >H(.)

— l{JruHa orropbr He MeHee nra BhrcoTe olpax.qeHur, MM

:lt

,xx

^FPe sl5

— c..l ol

(l)co Lrc (,)

— a.)

l 150 l 150)(, l 150 r600 l 150 2t50 r00 l 150 flpuuevauur: r - paccrocHr.reB cBery or
noBepxHoclr.r 3eMJru Ao nonorHa olpax,qeHr.r, yrrrrrrbrBaer HepaBHoMepHocrr yx,rona nro\$r.rnr.
3naveute gauo lJrr cnpaBrr4. ** - paccro.nnr're or nepxneft ropr.rsonrannoi [poBoJroKn rroJrorua
orpax,qeuur Ao nepxnefi rpanr1 onopEr, r{r,rrbrBaer HepaBrrroMepHocrr lx.noua nroQu:r_r.
3naveur,re 4aHo .qjrr cnpaBKp.r, yrorrTb npoeKToM LIJILI Ha MeCTe.

— cro ABTOAOP 2.27-2016

llpn.noxennel (pexouen4yeruoe) Koncrpyxqnn (rnnur) [oJrorHa orpaxAeHrlff

lo \$- ot CJ

,1'-r tt6g oo B..i OE -l'ta EA o= o.ic6 rg 5a o.

-.1-r

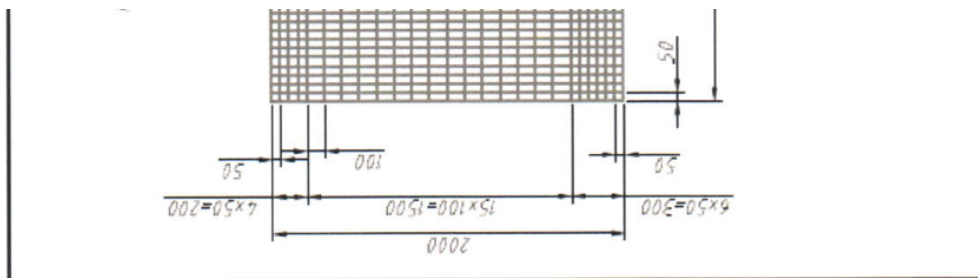
— a,: .-)

.r:f

— q_l

— cj i)t: (:

— t--



— cTo ABTOIOP 2.27-2016

'B ci :ac 'J5

E-fl

EO SE iE *q -c{ E_g 3a

*qFl;a 9r d!

,i' tu i:-: ,t

6E .it

.0 \: lc !-l

— c,\ aJ

El ocr c rJl c5 3u1 xttro o- o- 5E !cloo :< o-

'r-.

{l-'

:- .:

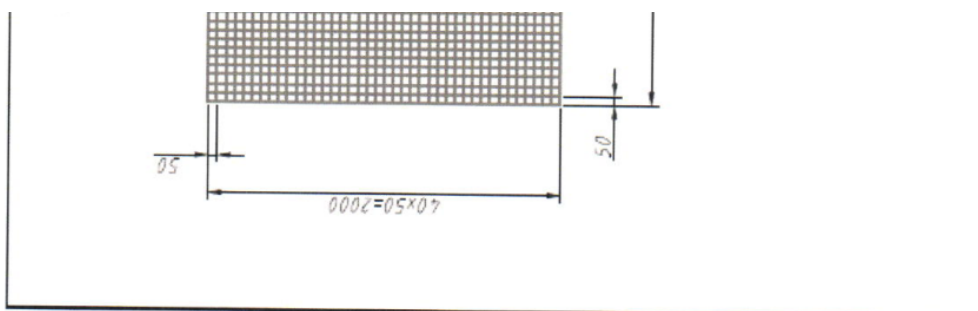
\\ r: :l

L--- rt

:t_r ,tri

— r:-1 :t

— q_1t:



.l rri o- != li v€GE =u 'E rri l-crv o-i 3+ ct= !-ei or- :; FO t rJ\ ?6 =o- 9E EA

PGtll ;,s 9t

— ir --r ;' qr 'F: -*:- l 'B.f (r il J-j 'v re, il
F8 is

11 ri = {q tu)1

".tu Y ;::

\-J

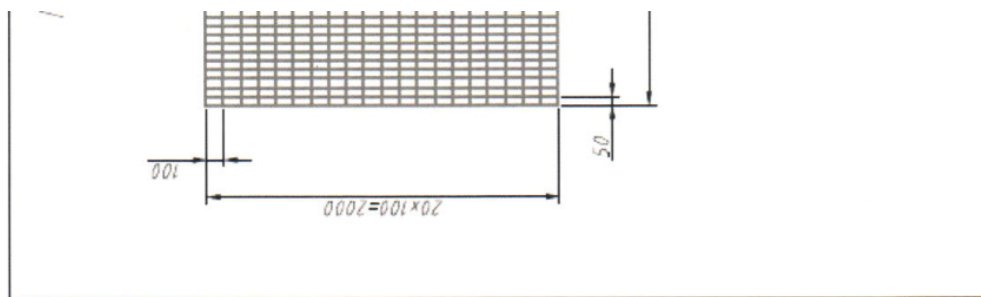
::l

((:1-:- ,.

(:.

CJ.i:

(-1 T--



— cTo ABTOIOP 2.27-2016

llpu.rroxenue.{ (o6nrare.nrne) Bxo4nofi KoHTpoJrb sJreMeHToB cncreMbt orpax4eunft

Bxoasofi KoHTponb gJreMeHToB cr{creMbr orpaxAeuufi ocyl{ecruxerctB ,uBe craAr,ru: flepnar
cragrl-e Bro oqaers ce6q suefir {ft ocuorp 9JJeMeHpoB ofptDr<Aeuu-r Ha npeAMer

KoMrrJreKTHocrrr rrocraBKp{, 3aBoAcKopo 6paxa r.r Apymx floKa3arenefi rrrss,rrel\4rrx 6eg

— r4cnoJrb3oBuluru rexur.rqecK.rx cpeAcrB. flepevenr ucrrpanuui no cpeAcraM
Bil3yanbnoro ocMorpa

— npr{BeAeqn ra6pue 4.1 l.t. | - 4. Bropa.r cragru BxoAHoro r(oHpoJrr B(rroqaere ce6c
ucnsrraHrrr reoMerppqecru{x

— lapaMeTpoB KorrCTpyKIIeI{, KoTophre HeBo3MoxHo yJrr,r cJroxHo BbUTBLITE flpII
Bil3y{UIbHOM OCMOTpe. flepevenr u:rrepeulfi reoMerpuqecKlrx xapaKTepl.rcrltx
llpe.ucralJreHs ra6p,l,qe A.l n.u. 5 - 12.

Pasuep napruu ycraHaBnr{BaJorB HopMarl4BHoft IrJln rexul4qecKofi AoK}llreHTaqnu Ha

— xouxDern rdi fl{fl cncreMbr orDax4eHr4 f .

Ta6pua A. l - Bxo.qnofi (oHTponb sJleMeHToB orpaxAeul.lt

Ko .t.lecrso

— flora:arem, MeroA

J'!! tht

Har.rrrrenosarr.re

— usuepenufi/o6paaqon

— flponepra

Ha.nr.rqze r,l coorBercrBr.re rpe6onannru

— flo

KOMIJJEI(TTIOCTII II

E, n. 8.1 Bcr naprr,rr

— rrpr{Jroxehlo

KaqecrBa conporo4rzrenruoi

AOKyr\{eHTOBO KaqeCTBe (nacnopa lr r.4.)

AOKyr!\{eHTaUllrr

llo

— flporepra ynaronxu

lf erocruocrr yrraKoBrrr,

— npr.rJroxehl,ln

HrrJrfiqrr Maplo4poBKlr,

— rr MaplcrpoBKl,r

E, n. E.l Bcr naprrx

MexaHl,lqecKl,IXU npoqrx

llocTyrrr,rBrll{x

lloBpexAeHr.rfi

— r.r3Aenufi

llo

Bserunufi nz,u

— npoAyrdlr,rr4, cocTorHrrr

— rrpr,rJroxehlrlo

E, n. E.1

— flponepra rarecr:na

— rroBepxHocru: Ha

3%o tapruu uo ue

— noBepxHocTr,r

lloBepxHocTl,l oqunxonanuofi

— ueuee 3 pynoHoB

Oql{IKOBAHHbIX usEeruir

SJIEMEHTOB HE AOJIXHO 6nnr uecr, He floKpbrbrx

IIIIHKOM, qepHbrx nrreH

llo

Bnellnzfi sl.rA
 'l llponepxa KaqecrBa
 — uprrl|oxeHr,rrc E, n. E.1 3%o tapruu uo ue venee 3 pyJroHoB
 — rrpoAyKqr,ru, cocTorHr,re loBepxHocrrr: sa
 — noBepxHocTu
 — rroBepxHocTu He aoJrxHo 6rrrr uecl, He lloKpbrrbD(
 lloJrr,rMepHoro
 ll oKpblTr.rt
 3AIII{TH6IM TIOKPbITUeM
 — cTo ABTOIOP 2.27-2016
 Orcouqauue ma6nuqot,{. l
 — lluprzua nolorua feouerpuuecrue
 — flo npunoxeHr,rrc
 3o/o flapT*ru HO He
 — xapa(Tepr4cTr.rKu
 MeHee 3 pyJronoB
 E, n. 8.1
 .ftuna nolorna f eouerpr.rvecrue
 — flo [puJroxehr,xo
 3%; napruu uo ue ueHee 3 pynoHoB
 — xapaKrepncTr.rl(j,r
 E, n. E.1
 .{rrEna cro6o4nrx
 — flo
 KOHTIOB IpOBOJTOKI feouerpuvecrue
 3oZ napruu uo ne uesee 3 pyJrouoB
 — fipr.rJroxehr.rro 8,n.8.2.2
 — xapaKrepncTr.rl(l,r
 Pa.:uep aueer
 — flo
 lIOJIOTHA feouerpavecrze
 3olo napruu no ne uesee 3 pynoHoB
 — rrpuJroxehr4ro 8,r'F,.2.3
 — xapa(Tepr.rcTr4KIl
 — llo
 — flonepeqsoe ceqegr,re
 — onop6r feouerpuvecrr.re
 3%o naptuu uO ue uenee 3 3JreMeHToB
 — rrpr'tJroxehuro 8,n8.2.6
 — xapaKrepncTr.rKr4
 llo

Tonqr,ura crenrcu

— onopbr feouerpuuecxue

3Yo l/lapruu uo ue

llpl.InoxeHr4ro E,nE.2.6

— xapaKTepucTxKH

— rrlenee 3 gJreMeHToB

llo npllnoxeHnro F.,n.E.2.9

.{,rr.rrra onopar feouerpzrecxr.re

3%o taptun uo ue uenee 3 gJleMeHToB

— xapaKTepr4cruKr4

— fa6apr.rnnue pa:uepu

llo

— r<peuren.rfi f eouerpr.rvecrue

3o/o napruu uo ne uenee 3 gJreMeHToB

— npl,lJroxeh14ro

— xapaKTepr4cTr,rKr4

E, n.8.2.11

llpu.noxenneE (o6nrare.nruoe) MeroAu KonTporq

E. I Busyanrnul occr.rorp Brcyanrnufi ocMorp 3JreMeHToB orpax,4eHr.rr aoJrxeH [poBoAr,rr6cr ABy {r cneqfiiurrcraMr,r

B cBerJroe BpeMs cyroKB orcyrcrBr.re aruocqpepnrx ocalKoB. B cnfrae pa:uouacui Mex,qy Hr,rMr,r B orleHKe roro r{Jrrr r.ruoro napaMerpa neo6xoauuo npnBJreqb rperrero cfieq}ranlcra Ant yToqHeHr_s p\$yJrbTaToB. 8.2 Meroarr xoHrponr reoMerpr,rqecKr,rx napaMerpoB E.2.1 lllapuuy rroJrroia r,r3Meppor oAnH pa3 rro Beppr,rKanLuofi nponoloren mo6orra uecre py:rerofi no fOCT 7502 c qeHofi AeneHr4r 1 rrru. .{nr.ruy noJrroia rr3Meppor oAr{H pa3 no roprsonralurofi npoBoJroKen mo6ou uecre pyrexofi no fOCT 7502 c qeuoft 4elenr,rr 1 uu. E.2.2 lttuuy cno6oaurx KoHuoB rrpaoAonurofiu nonepevnofi npononoru r43Mep.{rorB Tpex Mecrpx rroJrroia{a nuneirofi no IOCT 427 c uenoflerenus 1 lru. 8.2.3 Pasuepu xqeeK noJrroia onpeAeJrror rro cre4yrouefi rueroare:

Cpeanee apr.r(puer:nvecroe 3uarreHr.re pa3Mepa cropoHbr rveftxa onpe4errorB rpex Mecrpx noJrroia{a, orcrorqu or Kpu He MeHee qeu sal MM, orcrarbrBarorB AByx HanpaBneHr.rx flapannenHo cropoHaM sqefiKz no rlrbr rrJrrr .uecgrb rqeeK 14 3aMeptor AJrltHy] racrKa, BKJrlo.tat o4un rcpaInufi crepxeHb, Ha KopopoM pacnoJroxeHbr orc.rlzraHHue s.refixr. .{nuuy yvacrxa oflpeAereHs cpeAnero apr{rraeruecroo 3uaqeurr pa3Mepa cropouLr r43Meppor Jrr.rneirofi uo IOCT 427 c rleHoit ,ueJreHr.rr 1 MM. Cpegnee apurlruerrvecroe 3Haqeurre pirMepa cropouLr sqeinv, a, MM, BbFrr,rcluror rro rfopuyne:

— a;l/n (E.1)

— rAe: I - ul,rna yqacrKa Ha KopopoM pacnoJro)r(eHr rrocneAoBareJrlHo orcqrrraHHreB

— cooTBeTcTbJolqrrx HanpaBJrerr{Jrx rr.f,rb r,rJru aeCTTB tqeeK, MM;

— n - qltcJlo oTcq14TaHHhx -'qee(. Oronqarerlnoe 3HaqeeHe cpeAHero aputpuervecxopa paMepa croponr rrefixr

— onpeAe.lurcT, KaK cpeAHee aputf veru,recxoe lrecrn 3iMepoB. 8.2.4 lua:llerp npoBoJroKrr r3MepprcTB AByx r:ru{Muo [epreHArKynrpHbrx rranpaBJreHr.rfx oaHoro ceqeHr4r Ha

yr{acr(e npoBonoKr,rc maafofi rroBepxlrocrBro 6eg nanrrrsog He MeHee qeMB Tpex MecT:x Ha roprr3oHTIlJrbHhrx np,'Tbsx r,r Tpex MecTrx Ha BepTr,rKurnbHbD< np)"Tbrx pyJroHa

Mrr4poMerpoM rro focT 6507. E.2.5 Torrqnuy norrr4MepHoro fioxphrrr,rr [poBoJroKu floJrroa opaxaeHur u3Meprror

— r,rMnynbcHbrM uHA,'rsIEoHHbrM MeroaoM r,rJrr.r cJrea).roquu o6pa:orra: rrraHrcHqrrpKyneu MI{-3 no IOCT 166 r{3MeprrcTB AByx B3anMHo fiepfleHgr,rKynrnpnbx HalpaBneHurx o.qHoro ceqeHI,u Ha

— rracrKe [poBoJroK]rc rnaAofi rroBepxHocrbro 6eg nallnrssos He MeHee qeMB Tpex Mecrax Ha ropulonraarnofi [poBoJroK.r ru rpex Mecrax Ha BeprrrrKrrJrbnofi npono:ropu pyJroHa 14 Bbrqr4crsor ronur.rHy noJrr.rMepHor-o fioKpbrnr no oopMye:

(8.2)

FD-dlt2 rae: D - r,rsraepennrrfi guauep npononoK.r, MM; d - nouuanrrnri .qr.raMep [poBoJroKIt, MM.

E.2.6 Torrquuy oqr,rnr{oBaHHoro norpbrrr-rlr g.rreMeHroB ofpax.{eHr.rr KoHrpoJrrpyrro rro focT 9.307. 8.2.7 Ka.recrso repuo4r,rr[\$ysraoHHoro qlnrroBoro loKphrrxs, c AByx cawftHoi4 naccr,rnauefi AoJrxHo coorBercBoBaro IOCTP 9.316. Am u3Mepennr roJrrqrHLr auQQyauouuoro cror, nanec€nnoro Ha craJrbHyrc loBepxHocrb, [prrMenrrorcr npu6oprr gJleKTpOMafHTTHOfO TIIIIa. flepe4 rsuepenieM ToJrrql.IHbl 4r.rrp(f ysuouuoro cJro{ Mecro r.r3MepeHur r,r HaKoHerrHr,rK rqryla AoJrxHbl 6lrTb our,rrqenrr oT [6rJILr, MacJra II Apymx 3arpBHeur.rfic qellro nolyvenr.rr 6olee ToqHbD(orleHor. Meraruror.r:4elfirs, Ha Korophrx flpoBoArrcr E3MepeHrr, 4o:rxnu 6nr pa3MaHl'qeEHLIMLI.

Tonulrrra noKpblTut Ha gJleMeHTe onpeaenrrcr KaK cneAnu apuSueru.recr"a BeJrrurnHa H3 tll4cJra 3aMepoB, IrlIHtroro AJrr ,uaHHoro MeraJrJloLI3Aenrr. r{uclo roqe(A,'rt BblnoJrHeHI.lt 3aMepoB olpeAeJrrer rrr6opo.ruob pal3HhX Mecrxb 3aBfic,rMocr.r or AJrr.rHEr gJreMeHTa

— cneA)'roqnM o6paou: [pr,r Anr,rHe 3J]eMeHTa Ao 5 M - 5 roxex; npr.r aJrrHe gJreMeHTa crrue 5 ^{ - 11 roxex. onpeAenue roJrrlr4Hbr aur|\$yszouuoro crora xaxgofi Toqre nopr3Boprrcq no 5 KoHTponLHbrM 3auepaM ToJrrql.IHLIB paar,ryce 5 rrau, npz 3ToM Ma.KcuMaJrbHoe r{ Mr4Hr4 MrrJrrHoe 3HaqeHr4r He rrr-lrLrBarorce. To:rlhxa crocB Kaxaofi ro.rxe onpeAenrrcr KaK cneArrr apr,r\$rtlerlrvecrar BeJrrqlIHa I43 Tpex ocaBrlllxc noxa3alruff . E.2.8 feorlerpr,ruecrue pa3Mep ceqeul4.f, oflophr npoBepnor z:rraepurelnofi uera,muecrofi nuueftxofi no IOCT 427 ulu rrraHrcHrlypKyrre.r MI_l-3 no IOCT 166 no BHEIIIIH,I,IM IPIII{'M ONOPbIB AB}X MECTA _ B HAqZIJIE I' B KOHIE ONOPr. TOTTrQUY CTCHKI,I OIIOPbl npoBepro rxraueurl.r.rpKyneM MI{-3 no focT 166.

F..2.9 l:luuy onoprr 3.Mepcor py:rer:rofi P3-20 no focT 7502 no ropiaM. E.2.10 Mecuryro KprlBu3Hy onop u3Meprrcr Meranrr.r.recxofi :uuefiofi no IOCT 427. O6uryro Kpr4Bu3Hy nopr[r,rnx r.r3Mepnor npr,r noMotqu crpynbr, narnnyofi rro l<oHr:trr,r npot[un_a, lyreM 3iMepa MaKcuM:urbHoro paccroflHurL or rpaH opaxleulr Ao uarrppofi crpyHbr. E.2.11 ladapurlarre pa3MepBt sjreMerrroB rpenur.rfi opax4euufi AoJrxHr npoBeprrc.{ MuKpoMerprM uo IOCT 4381, ruranrenlr4pKyJreM no IOCT 166 r.t 4pyuuu cpeAcrBaMu H3MepeHr,rr coorBercByoqefi ro.rsocu no HopMaru BHo-rexHr.rqecxofi AoKyMeHTarl[u. l,lsuepeune roJrrrlngbr oraeJrlHoro 3JreMeHTa [poBo, (.sr o.qr,rH p,tgB cepeArHe ',uprrHbr KaxAot flracr,r,rn6r rrraHrcHq.rpKyJ]eM rro focT 166. E.2.12 Pacqomne Mex,4y onop.Mr.r orpeAeJrrer pyrexofi no IOCT 7502. 3auepn nopr3BoArrcrB Tpex nopr3BoJrbHbD(ceKqr4rx opa)K.qeElls Mexry oAHocropoHHrMt4 rpaHrMr.t onop orporreHr.rr, KaK rrox3auo na pucyue E.1 : .r rlltf. r,

L - paccornue uex.qy onopaMr,r rto [poeKTy, A - 4onycr Pucynox E.I - CxeMa saMepa paccornr,rr MexAy onopaMx

E.2. 1 3 Bucora olpaxAeHnr r{3Mepreocr cneAyrqr,rM o6pa:ou: Ha rpex [poa3BonbHhx onopax opaxAeur.rr Aeruorcc 3:Mepbr or rpafiuefi repxnefi ropLI3oHTaJlbHoii [poBoJIoKn noJrporHa Ao ypoBuc 3eMJ]u, rocJre qero BLrqracJureocr cpeAHee aprprrreruecroe BBrcorbr opaxAeur. E.2.14 Orx,ronenue Bepxa onop orHocne:rbno npogo:urofi ocu opaxgennii oflpeAenreocr npr4 rroMor{l,r orBeca cnpoureJrbr{oro rro foCT 7948 n :mnefirr.r no IOCT 427 .

3anaep npousno4aTcr cneAyro lr4rr,r o6pa.:ou: - Cno6oasufi KoHell cpor,rreJrbnoro orBeca caMoHape3aroquM Br.rrrroM npr.rKperrJurror r<

Bepul,lHe onopbr rar<, vro6rr xouerl orBeca AocraBar Ao noBepxnocr 3eMJrr,r. - Jluuefircofi 3aMeppor paccro.suue or rpaur.r oflopbr, K xopofot npr4rpenJreH Bepx rtrH]?a

— orBeca - 3To paccrorHne 6yAer cwrparrcr onlouenueM aarrHoft oflopbr or Beprr.rKanluoit oc*tu

AOJTXHO HTXOAHTbCTB IlpeAenx AOrryC(4. - B c:ryae ecJrr4 cpor4reJrbnrri orsec orK:rourerB cropouy He or onopbr, aK orrope - noBTopr.rrb onepaunr Ha nporr.rBononoxHofi rpaH 1,| onopa.

E.2 . I 5 Ilar Mexly Kpe[J]eHr,rMr,r noJrporHa cerKuK olope olpeAenreocr ru.ruefixofi uo IOCT 427 n)reM rrrpMoro 3aMepa MexAy BepxHrrMr rpauJrMn rpenneuufi. I4suepeulu Ilpolr3BoTrrr Ha (paup.lx aHKepHbD(onopx opo44envfi, a rAKxe Ha rrrpor,r3Bonrbx rpx

— ocroBHbrx onopax opaxrenra no cefi rrx Bbrcoe. KaxAoe r.rr urnepenuft He AoJrxHo BbrxoAr{Tb

3a flpeaeJrbr aorryCKoB.

Brl6.nnorpaQnn

II] <Degepamuufi garon Texnraqecrufi pe raMeHTo 6egonacnocr ganuitu or 30.12.2009 Ne 384-03 coopyxeuEfi

[2] TP TC 01412011 Texnn.recxvf peruraMeHr Tavoxensoro coroga

<<EeeoflacHocr astoN4o6[mubrx AopoD) t3] OAM 218.6.017- Mero4zvecrue peKoMenAarruu ro nprMeHeHr4ro AopoxHbrx opax4enzft pa3JrzqHoro ru a*a

— aBTOMOO,rJrbHhrx Aoporax QeAeparEHoro 3HaeHrr t4] OAM 218.4.005- Peroven4aquu no o6ecne.{enuo 6egonacnocr

20 IO ABr4xeHr,rs na asroNro6r4rbHhrx Aoporax [5] BCH 25-86 Y xasaHus. no o6ecneqenuro 6esonacHocr4 .uBr.rxeHr Ha

— asroN4o6lrnHhrx Aoporax t6] OAM 218.5.001- Mero4uvecxlre peKoMeHAarlLru ro 3arqr,rre r4 oqlrcrKe asloN4o6[ruHhrx Aopor or cHera

[7] <Deaepanurufi gaxon fpagocrpouearnui ro4er<c Poccaficrofi (De4epaquu or 29.12.2004 }lb 190-@3

[8] flocranonnenzeO uoprgxe npoBeAeHwr cpor.rreJrbHoro KoHTpoJy rpr Ilpanvremcma P<D or 21 ocyrqcrBJreHur.t cpor.rreJrbcrBa, peKoHcpuKrlulru utonr 2010r. Ne 468 Karr.rrraJrbHoro peMoHTa o6texros KalrrraJrbHofo

— cTpo14TeJrbcrBa

[9] <Degepamrrft garonO rexnu.recroM peryJrr,rpoBaH]rr,r or27.12.2002Ns 184-O3 II0] flpanrzna Ycpoficrea 3nexrpoycranonox (IIY3) - 7

— r,r3AaHr{e. Ynepx4enrr [pnKa3oM Mrar:nepro Poco.ru or 08.07.2002 Ns204 I I] Ilpanlrna no oxpaHe rpyAaB c'porrrrrrrbrBe. yrB.

Ilpr,rxasona Muucrepcna rpy Aau coqzalnofi 3arrlr,rbr

P@ or 1 utols2015 r. llb 336n

— cTo ABTO.IOP 2.27-2016

KJrroqesrre c.noBa: orltaHurlfiBarorqee olpaxAenltr, 3arrlrrHoe orparK.qeHr.re, clrcTeMa
orpaxAeHlrs' rloJloTHo orpD(AeHnt' oflopa' gJleMeHTbl KpellJleHlt orp€r)KAeHr.rt