O'zbekistan Respublikasi
Andijon viloyati Andijon shaxri
“Sardor Qurilish Maks” MCHJ

Республика Узбекистан
город Андижан Андижанская область
ООО "Sardor Qurilish Maks"

# ISHCHI LOYIHA

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish
(mavjud binoni moslashtirish)

## D blok

*Direktor:* *S.Xolmatov*

*LBM:* *B.Shamshidinov*

*ANDIJON - 2026y*

### *Ishchi chizmalarning asosiy to'plamlari ro'yxati*

| Belgilanish | Nomlanish | Eslatma |
|---|---|---|
| AQ | Arxitektura va qurilish chizmalari | Albom 1 |
| IV | Isitish va ventilyatsiya | Albom 2 |
| STK | Suv ta'minoti va kanalizatsiya | Albom 2 |
| EYO | Elektr yoritish chizmalari | Albom 2 |

### *Asosiy to'plamning ishchi chizmalari ro'yxati AQ*

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| 14 | Uzellar-1, 2, 3, 4. | *AQ14* |
| 15 | *Parda devorlarni mustaxkamlash elementlari* | *AQ15* |
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## UMUMIY QISM

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) bo'yicha tayyorlangan ishchi loyiha-smeta hujjatlarini amalga oshirish Buyurtmachi "ANDIJON TRANSPORT TEXNIKUMI" DAVLAT MUASSASASI tomonidan DXM orqali 21.07.2026-yilda qilingan (ariza raqami 312767582) elektron murojaati.Andijon viloyati qurilish va uy-joy kommunal xo'jaligi bosh boshqarmasining 21.07.2026-yildagi 312767582-sonli ruxsatnomasi. Ko'chmas mulk obyektiga bo'lgan huquqlarni davlat ro'yxatidan o'tkazilganligi to'g'risidagi 16.07.2026-yildagi №: RANDS53039342-sonli Davlat Reyestridan ko'chirmasi va Andijon viloyati "Yagona buyurtmachi xizmati injiniring kompaniyasi"DUK bilan tuzilgan elektron shartnoma va 2026 yilda № 128-2026 asosiy yuk ko'taruvchi konstruksiyalarini xozirgi kundagi mustaxkamlik xolati xaqida mavjud binolarning holati bo'yicha texnik tekshirish hisoboti asosida "Sardor Qurilish Maks" MChJ tomonidan ishlab chiqilgan.

## Bino qurilish konstruktiv elementlarining qisqacha tavsifi.
## ARXITEKTURA VA REJALASHTIRISH YECHIMLARI

Mavjud B blok binosi ikki qavatli bo'lib bino devor rejasidagi o'lchamlari 21,00x54,00 metr. Binoning xona ichki balandligi poldan shiftgacha 3,0 metr.
Bino qavatlarida xonalar joylashuvi: o'tish,yo'lak,kutubxona,geografiya xonasi,tarbiya xonasi,san'at xonasi,musiqiy madaniyat xonasi,CHQBT xonasi,ishchi xodimlar xonasi,sciense xonasi,mustaqil shug'ullanuvchilar uchun xona,koworking xonasi,startap xonasi,o'quvchi va xodimlar uchun garderob,xo'jalik ishlari bo'yicha direktor o'rinbosari xonasi,bosh xisobchi xonasi,kadrlar bo'yicha menejer xonasi,texnik xona,tibbiy yordam ko'rsatish xonasi,kamshira xonasi,san.uzel,NBSH San.Uzel xonalaridan iborat.

## Binoning konstruktiv yechimi.

Mavjud binoning konstruktiv yechimi bo'ylama va ko'ndalang g'isht devorli mustahkam monolit ramniy konstruksiya bo'yicha tuzilgan bo'lib,tom yopma temir-beton plitalari seysmik monolit belbog' bilan bog'langan qoniqarli holatda.

Bino quyidagi tarkibiy elementlardan iborat:

Tashqi va ichki devorlar keramik gishtdan 380 mm qalinlikda bajarilgan qoniqarli holatda.

Parda devorlar - keramik gishtdan 120 mm qalinlikda bajarilgan qoniqarli holatda.

Tom yopmalar - yig'ma temirbeton plitalaridan iborat qoniqarli holatda.

Pollar - linoleum va keramik plitkalardan iborat, qoniqarsiz holatda bo'lib, mavjud yaroqsiz pol qoplamalari 100% almashtirish talab etiladi.

Deraza bloklari - yog'och materialdan bajarilgan yaroqsiz holatda 100% almashtirish talab etiladi.

Eshik bloklari - yog'och materialdan bajarilgan yaroqsiz holatda 100% almashtirish talab etiladi.

Ichki pardozlar- mavjud devor yuzalari tsement-qum ohakli qorishmadan suvalgan suvli va moyli bo'yoqlardan qoniqarsiz holatda, tamirlash talab etiladi.

Tom- chordoqli, yog'och konstruktsiyada bajarilgan. azbestotsement shifer qoplamalaridan iborat qoniqarsiz holatda, yog'och konstruktsiya va tom qoplamalari yangilash talab etiladi.

## Mavjud binoda konstruktiv chora tadbirlar

Mavjud binoni rekonstruksiya qilish jarayonida quyidagi ish turlari nazarda tutiladi:

Tashqi pardozlash ishlari- tashqi devor yuzalarining mavjud suvoqlari ustidan issiqlikni tejash himoya qatlami Bazalt qalinligi δ=50 mm mineral plita qoplamalari bilan himoyalash va dubl mixlar yordamida maxkamlanib ustki qismidan tekislovchi qatlam va maxkamlovchi setka qotiriladi va travertin uni yordamida fasad suvog'i bilan pardozlash ishlari amalga oshiriladi.

Ichki pardoz- mavjud devor yuzalari bo'yog'i tozalanib mavjud suvoqlari chuqlanib(nasechka) va mavjud suvoqning yaroqsiz joylarini tekislash uchun tsement-qum qorishmasidan suvoq amalga oshiriladi va gips yordamida devor yuzalari tekislanadi so'ng suvli, akril va moyli bo'yoqlar va keramik plitkalar bilan pardozlanadi.

Bu ishlar binolarni pardozlash bayonnomasi (jadvali) ga ko'ra amalga oshiriladi.

Mavjud deraza bloklari 100% GOST24866-2014 bo'yicha plastik materiallarga (PVX)(oynalar 2 qavat)qilib almashtiriladi.

Plastik materiallardan tayyorlangan deraza tokchalari o'rnatilsin.

Tashqi eshik bloklari GOST24866-2014 seriyasiga ko'ra plastik va alyumin profilli materiallardan bajariladi.

Ichki eshik bloklari - 100% RSTUz 670-96 seriyasi buyicha MDF materialiga almashtiriladi.Sanuzel eshiklari GOST24866-2014 seriyasiga ko'ra alyumin profilli materiallardan o'rnatiladi.

Barcha eshik bloklari ostonasiz o'rnatilsin.

Barcha oyna va eshik yon devor (omxoc) yamoqlari qum sement qorishmasi bilan suvab, gipsli qorishmalar yordamida yuzalar tekislanadi so'ng suvli, akril va moyli bo'yoqlar bilan 2 marta pardozlash ishlari amalga oshiriladi.

Pollar-bino xonalari bo'ylab Relin 2,0mm, keramik plitka va keramogranit pol qoplamalarini qoplash ishlari binolarni pardozlash bayonnomasi (jadvali)ga ko'ra amalga oshiriladi.

Sokol-Bazalt qalinligi δ=30 mm mineral plita qoplamalari bilan himoyalash va dubl mixlar yordamida maxkamlanib ustki qismidan metall profilli karkas yordamida dekorativ yonmaydigan alyukabond yordamida pardozlash ishlari amalga oshiriladi.

Binoning yangi asosiy kirish qismi va pandus qurilishi ko'zda tutilgan.

Otmostka- binoning atrofida qalinligi 50 mm bo'lgan beton qoplamasi, shag'al to'shama asosida va 1000 mm kengligida bajariladi.

Binoda mavjud g'ishtli parapet ustidan yangi bog'lovchi belbog' qurish amalga oshiriladi.

Binoning tom perimetri bo'ylab polimer qoplamali ruxlangan po'lat varoqlaridan (list) o'rnatiladi va suv yig'ish lotoklari o'rnatish ishlari amalga oshiriladi.

Tom - 0,51 mm qalinligidagi polimer qoplamali trapesiya ko'rinishida egilgan profnastil bilan metall konstruktsiya asosida bajariladi.

Loyiha mavjud amaldagi SNIP, KMK, qurilish qoidalari va talablariga muvofiq ishlab chiqarilgan.

### YONGINGA QARSHI KURASHISH CHORALARI

Loyixa amaldagi SHNQ 2.08.02-09 va SHNK 2.01.02-04 qurilish qoidalari va talablariga muvofik ishlab chiqilgan. II darajadagi yonginga qarshi bino avtomatik yong'in signalizatsiyasi bilan jixozlansin.

Loyihada yong'in kelib chiqishi haqida avtomatik ogohlantirish tizimi bilan shamollatish tizimlarini nazorat qilish panelidan markazlashtirilgan tarzda o'chirib qo'yish tizimi ishlab chiqarilsin. Kabellarni va quvurlarni yopiq inshootlar orqali yotqizishda yonuvchan bulmagan materiallardan foydalanib bajarish taminlansin. Yer va quvur orasidagi bo'shliqni kamida 15 mm yonuvchan bulmagan materiallar bilan tuldiring. Bino asosiy yong'inga qarshi uskunalar bilan jihozlansin: op-10A kukunli yong'inga qarshi vositalar, bochkalar, chelaklar, ilgaklar, boltalar bulishi shart.

### QURILISHNI KONSTRUKSIYALARINI KORROZIYADAN
### MUHOFAZA QILISH TADBIRLARI.

Qurilish inshootlarini korroziyadan himoya qilish KMK 2.03.11-96 ga muvofiq amalga oshiriladi. 1. Bino tomlarining metall konstruktsiyalari zanglash va yemirilishga qarshi antikorroziyon vositalari yordamida himoyalanib inshootning metall konstruktsiya ulash qismlari PF-20 GOST18.186-79 emal astar bo'yog'i bilan ishlov berilib, PF-115 emal bo'yog'i bilan 2 marta qoplansin.

## ENERGIYA SAMARADORLIK

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) binosini mukammal ta'mirlash.obyektida energiya samaradorlikni oshirish sifatida quyidagi ishlar amalga oshiriladi.
- bino fasad qismi 120kg/m3 zichlikdagi 50 mm qalinlikdagi basalt plitalari orqali issiqlik izolyatsiya ximoyasi amalga oshiriladi.

Ishchi loyiha amaldagi meyor va qoidalarga muvofiq ishlab chiqilgan. Loyiha binolarni ekspluatatsiya qilishda portlovchi, portlash va yong'in xavfsizligini ta'minlash bo'yicha chora-tadbirlarni nazarda tutadi.

Loyiha bosh muhandisi________ Shamshidinov B.

Texnik va iqtisodiy ko'rsatkichlar:
Qurilish maydoni - 1185,33 м2
Qurilish hajmi - 8593,64 м3
Umumiy maydon - 1107,9 м2

*Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)*

| [illegible] | [illegible] |  |
|---|---|---|
| Bajardi | [illegible] |  |

| D blok | Bosqich | Varoq | Varoqlar |
|---|---|---|---|
|  | IL | 1 | 24 |

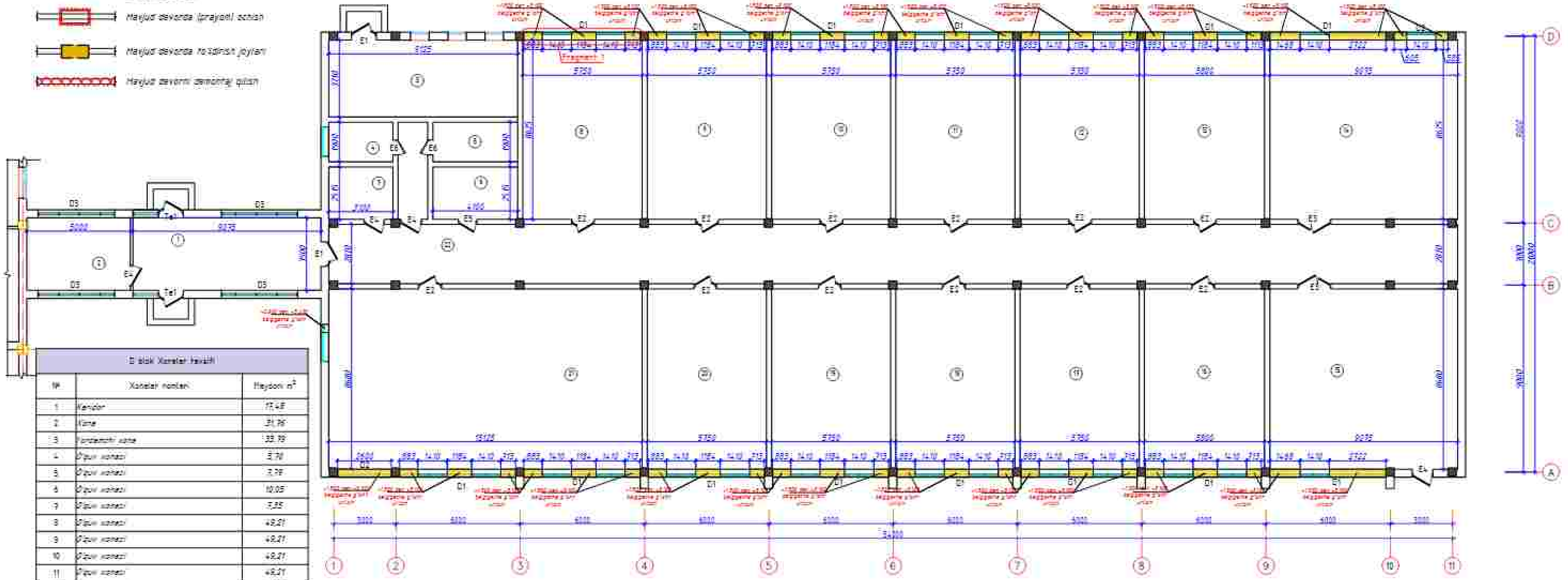
*Umumiy ma'lumot*

*"Sardor Qurilish Maks" MCHJ*

Shartli belgilar

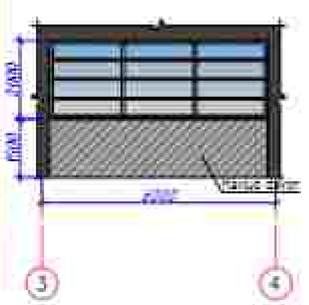
| | |
|---|---|
| 🟥 | Mavjud devorda (prayom) ochish |
| 🟨 | Mavjud devorda to'ldirish joylari |
| ▨ | Mavjud devorni demontaj qilish |

## Mavjud devorda to'ldirish joylar rejasi M 1:100

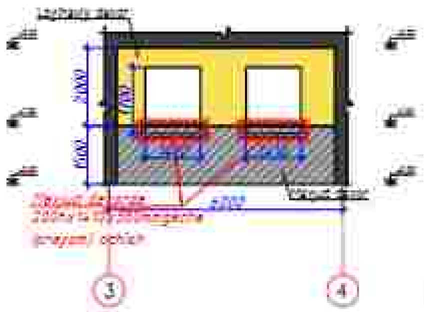


| № | Xonalar nomlari | Maydoni m² |
|---|---|---|
| | D blok Xonalar tavsifi | |
| 1 | Koridor | 17,48 |
| 2 | Xona | 31,76 |
| 3 | Yordamchi xona | 33,79 |
| 4 | O'quv xonasi | 3,78 |
| 5 | O'quv xonasi | 3,78 |
| 6 | O'quv xonasi | 10,05 |
| 7 | O'quv xonasi | 7,35 |
| 8 | O'quv xonasi | 49,21 |
| 9 | O'quv xonasi | 49,21 |
| 10 | O'quv xonasi | 49,21 |
| 11 | O'quv xonasi | 49,21 |
| 12 | O'quv xonasi | 49,21 |
| 13 | O'quv xonasi | 45,63 |
| 14 | O'quv xonasi | 77,82 |
| 15 | O'quv xonasi | 77,82 |
| 16 | O'quv xonasi | 45,63 |
| 17 | O'quv xonasi | 49,21 |
| 18 | O'quv xonasi | 49,21 |
| 19 | O'quv xonasi | 49,21 |
| 20 | O'quv xonasi | 49,21 |
| 21 | Kutubxona | 126,37 |
| 22 | Yo'lak | 146,01 |
| | Jami | 1068.7 |

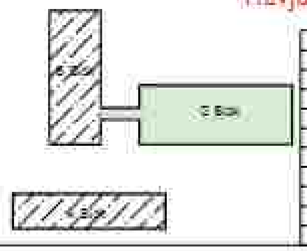
Mavjud deraza plani



Loyihaviy deraza plani



Bloklash sxemasi



Eslatma

*Avtoklavniy gazoblok g'isht urish (ЗАПОЛНЕНИЕ ПРОЕМА)*

*600x400x400mm - 46.0м3 ( 480-dona)*

Mavjud devordan deraza uchun prayom ochish - 3.1 м³

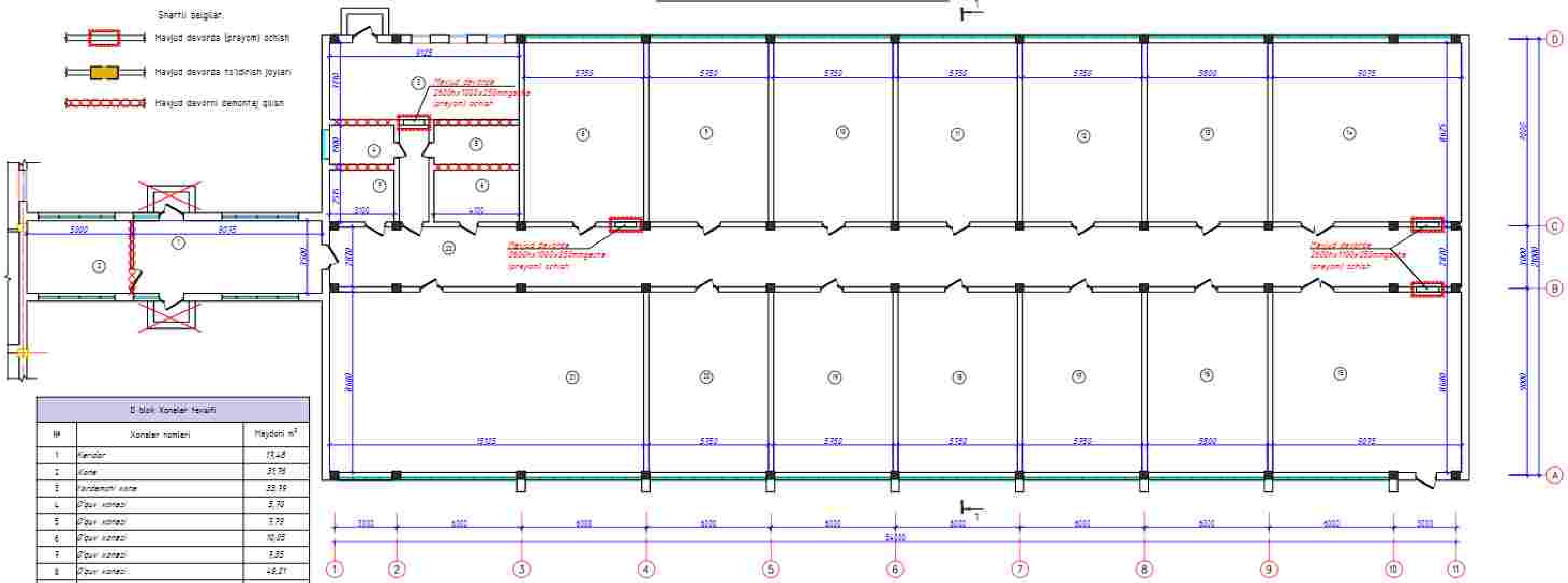
| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| D blok | Bosqich<br>IL | Varaq<br>3 | Varoqlar<br>24 |
| Mavjud devorda to'ldirish joylari rejasi | "Sardor Qurilish Mega" MCHJ | | |

Bajardi

# Mavjud devorda buzish ishlari rejasi M 1:100

Shartli belgilar.

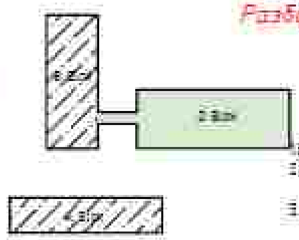
- 🟥 Mavjud devorda (prayom) ochish
- 🟧 Mavjud devorda to'ldirish joylari
- ▨ Mavjud devorni demontaj qilish



1
Mavjud devorda 2600hx1000x350mmgacha (prayom) ochish
Mavjud devorda 2600hx1000x350mmgacha (prayom) ochish
Mavjud devorda 2600hx1100x350mmgacha (prayom) ochish
8125
5350
3800
5075
5000
9075
3100
4100
2700
2800
2520
2500
18125
6600
54000
3000
6000
A
B
C
D
1
2
3
4
5
6
7
8
9
10
11

| D blok Xonalar tavsifi | | |
|---|---|---|
| № | Xonalar nomlari | Maydoni $m^2$ |
| 1 | Koridor | 73,48 |
| 2 | Xona | 31,78 |
| 3 | Yordamchi xona | 33,79 |
| 4 | O'quv xonasi | 5,70 |
| 5 | O'quv xonasi | 5,79 |
| 6 | O'quv xonasi | 10,05 |
| 7 | O'quv xonasi | 5,35 |
| 8 | O'quv xonasi | 48,21 |
| 9 | O'quv xonasi | 48,21 |
| 10 | O'quv xonasi | 48,21 |
| 11 | O'quv xonasi | 48,21 |
| 12 | O'quv xonasi | 48,21 |
| 13 | O'quv xonasi | 49,63 |
| 14 | O'quv xonasi | 73,62 |
| 15 | O'quv xonasi | 73,62 |
| 16 | O'quv xonasi | 49,63 |
| 17 | O'quv xonasi | 48,21 |
| 18 | O'quv xonasi | 48,21 |
| 19 | O'quv xonasi | 48,21 |
| 20 | O'quv xonasi | 48,21 |
| 21 | Kutubxona | 129,37 |
| 22 | Yo'lak | 145,01 |
| | Jami | 1088,7 |

Bloklash sxemasi



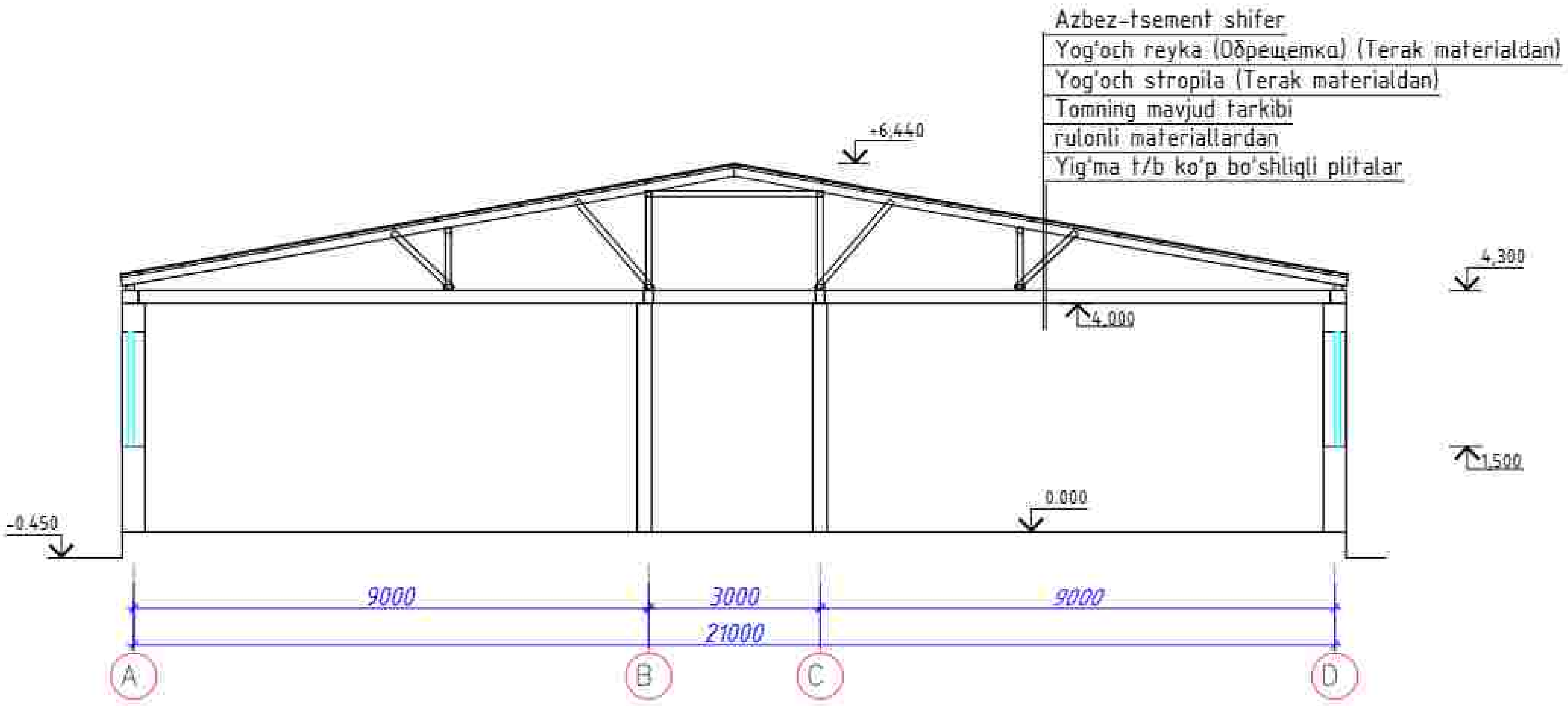
НАСЕЧКА ПОВЕРХНОСТИ СТЕН – 1702.17 $м^2$
ОЧИСТКА ПОВЕРХНОСТИ СТЕН ОТ СТАРОЙ ОКРАСКИ – 1702.17 $м^2$
Разборка существующие пол бетонная стяжка – 487.7 $м^2$
Разборка существующие пол линолеум – 393.68 $м^2$
Разборка существующие пол керамическая плитка – 37.49 $м^2$

1.Binoning poli,eshik va derazalari 100% almashtiriladi.
2.Bu ishlar mavjud devor rejasida berilgan shartli belgilar asosida amalga oshiriladi.
3.Ushbu varaq AR – 4 devor rejasi (loyihaviy) varaqlari bilan birgalikda o'qilsin.

Eslatma
Mavjud devordan prayom ochish – 10.92$m^2$(2.73 $м^3$)
Mavjud devor qismini buzish – 16.24$m^2$(4.06 $м^3$)
Mavjud zina qismini buzish – 2.07 $м^2$
Mavjud Gipsokarton buzish – 10.5$m^2$

| | | | | |
|---|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | | |
| Ijro | | D blok | Bosqich | Varaq | Varaqlar |
| Bajardi | | | LL | 3 | 24 |
| | | Mavjud devorda buzish ishlari rejasi | "Sardor Qurilish Meva" MCHJ | | |

# Qirqim 1-1 (Mavjud) M 1:100



| | | |
|---|---|---|
| LBM | B.Shamsiddinov | |
| Bajardi | M.Ne'matjonov | |

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)

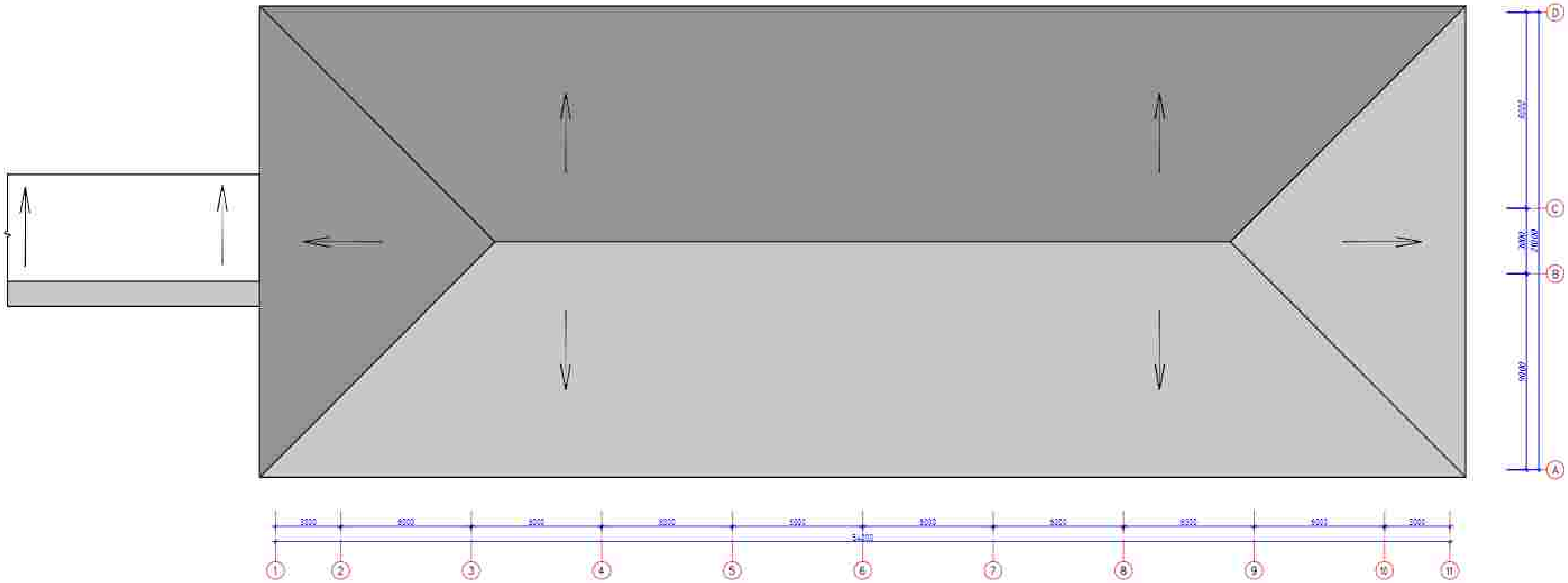
D blok

| Bosqich | Varoq | Varoqlar |
|---|---|---|
| I.L | 4 | 24 |

Mavjud bino
Qirqim 1-1

"Sardor Qurilish Maks"
MCHJ

## Tom rejasi (mavjud) M1:100



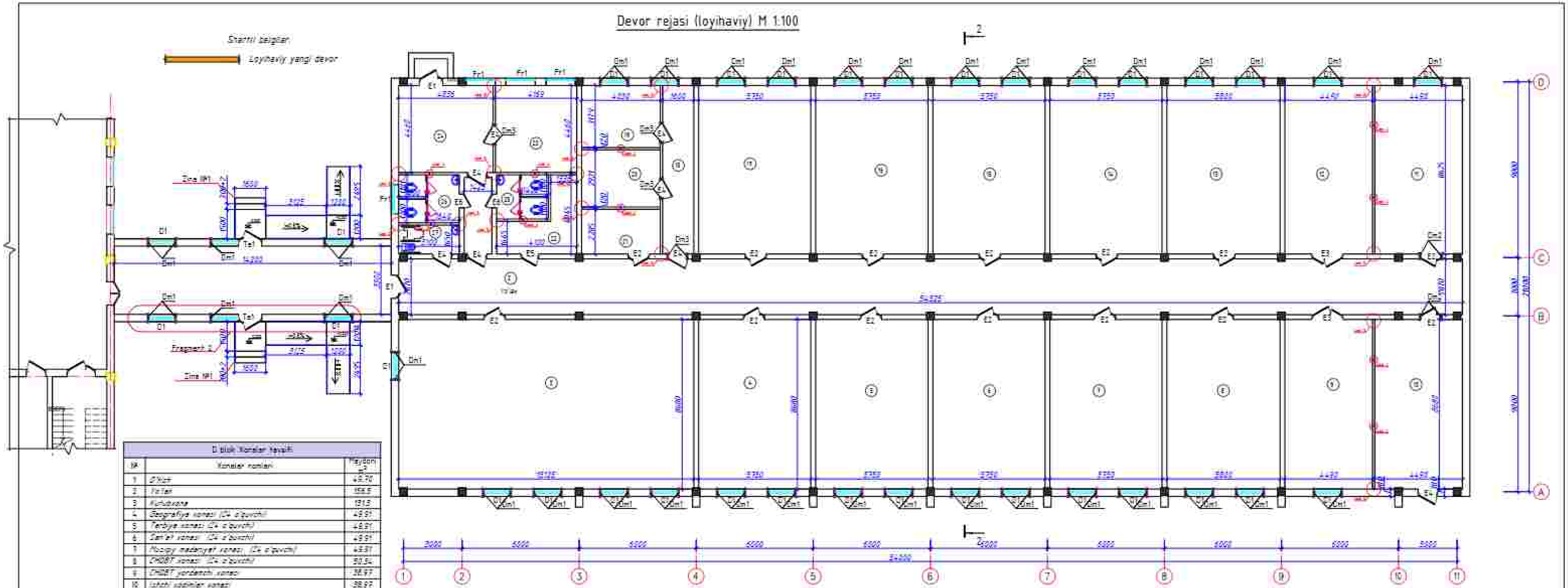
|  |  |  |  |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| D blok | Bosqich | Varaq | Varaqlar |
|  | IL | 5 | 24 |
| Mavjud bino<br>Tom qismi | "Sardor Qurilish Meva" MCHJ | | |

Bajardi

# Devor rejasi (loyihaviy) M 1:100

Shartli belgilar

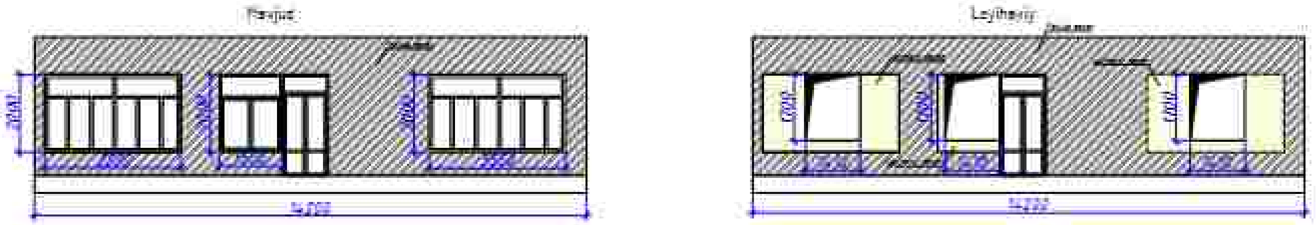
▬ Loyihaviy yangi devor



**Avtoklavniy gazoblok g'isht urish (pardadevor)**
**600x300x120mm – 6.12м3 (51.0m² 284-dona)**

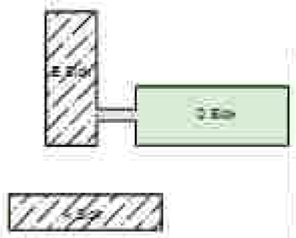
| D blok Xonalar Tasnifi | | |
|---|---|---|
| № | Xonalar nomlari | Maydoni m² |
| 1 | O'tish | 48.70 |
| 2 | Yo'lak | 156.5 |
| 3 | Kutubxona | 131.3 |
| 4 | Geografiya xonasi (24 o'quvchi) | 49.91 |
| 5 | Tarbiya xonasi (24 o'quvchi) | 49.91 |
| 6 | San'at xonasi (24 o'quvchi) | 49.91 |
| 7 | Musiqiy madaniyat xonasi (24 o'quvchi) | 49.91 |
| 8 | CHQBT xonasi (24 o'quvchi) | 50.54 |
| 9 | CHQBT yordamchi xonasi | 38.97 |
| 10 | Ishchi xodimlar xonasi | 38.97 |
| 11 | Science xonasi (12 o'quvchi) | 38.73 |
| 12 | Science xonasi (12 o'quvchi) | 38.73 |
| 13 | Mustaqil shug'ullanuvchilar uchun xona | 50.93 |
| 14 | Kovorking xonasi | 49.59 |
| 15 | Startap xonasi | 49.59 |
| 16 | Startap xonasi | 49.59 |
| 17 | O'quvchi va xodimlar uchun garderob | 49.59 |
| 18 | Yo'lak | 13.86 |
| 19 | Xo'jalik ishlari bo'yicha direktor o'rinbosari xonasi | 13.04 |
| 20 | Bosh xisobchi xonasi | 11.77 |
| 21 | Kadrlar bo'yicha menejer xonasi | 9.21 |
| 22 | Texnik xona | 10.01 |
| 23 | Tibbiy yordam ko'rsatish xonasi | 18.59 |
| 24 | Xamshira xonasi | 21.37 |
| 25 | San.Uzel | 5.98 |
| 26 | San.Uzel | 7.50 |
| 27 | MGCH San.Uzel | 5.12 |
| | Jami | 1107.3 |

## Fragment 2


Mavjud

Loyihaviy

## Bloklash sxemasi



| | | | | |
|---|---|---|---|---|
| Loyih. | | | | |
| Bajardi | | | | |

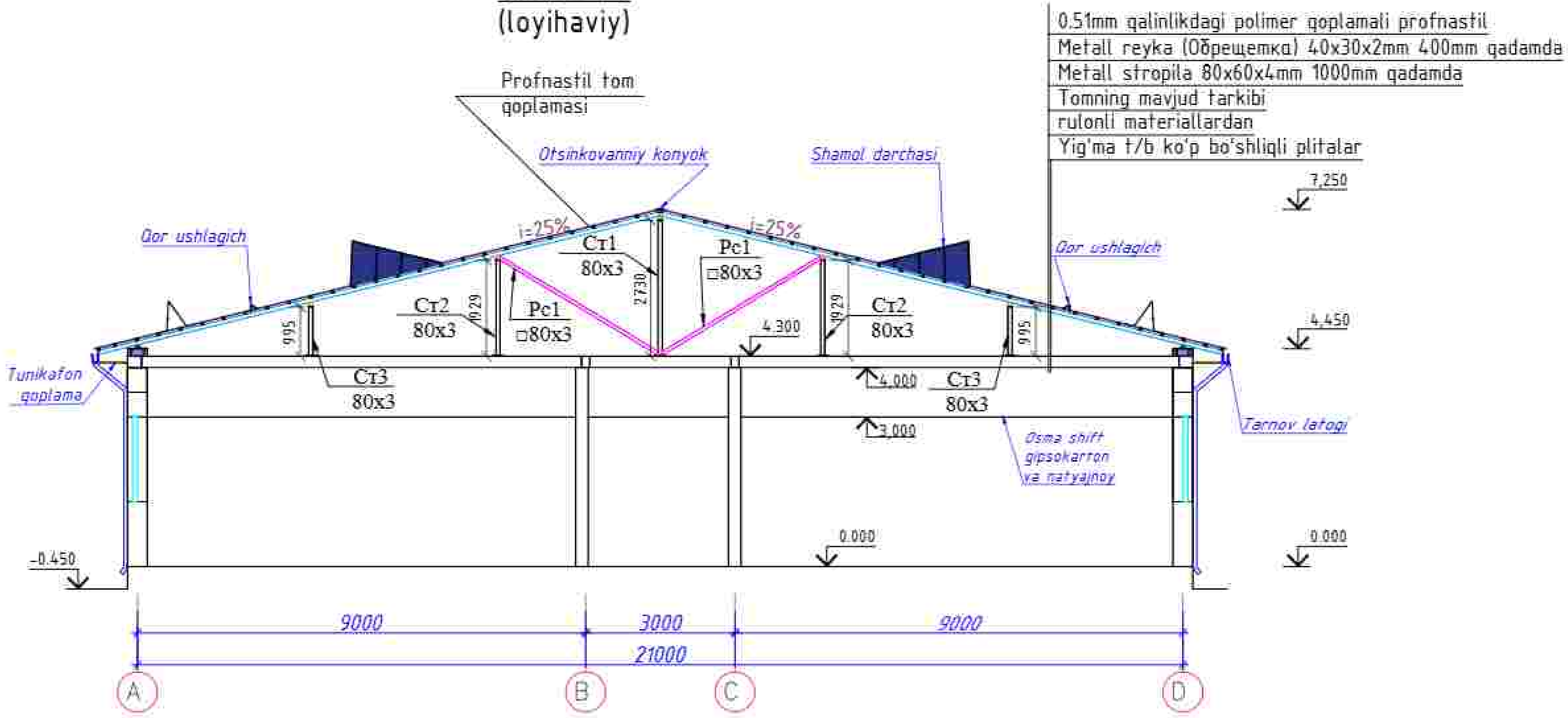
Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)

| D blok | Bosqich | Varaq | Varaqlar |
|---|---|---|---|
| | IL | 5 | 24 |

Devor rejasi
(loyihaviy)

"Sardor Qurilish Mega"
MCHJ

# Qirqim 1-1
(loyihaviy)



0.51mm qalinlikdagi polimer qoplamali profnastil
Metall reyka (Обрешетка) 40x30x2mm 400mm qadamda
Metall stropila 80x60x4mm 1000mm qadamda
Tomning mavjud tarkibi
rulonli materiallardan
Yig'ma t/b ko'p bo'shliqli plitalar

| | |
|---|---|
| LBM | B.Shamsiddinov |
| Bajardi | M.Ne'matjonov |

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)

D blok

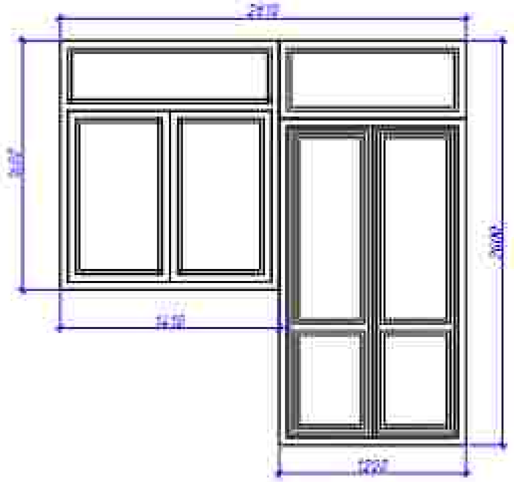
| Bosqich | Varoq | Varoqlar |
|---|---|---|
| I.L | 7 | 24 |

Qirqim 1-1
(loyihaviy)

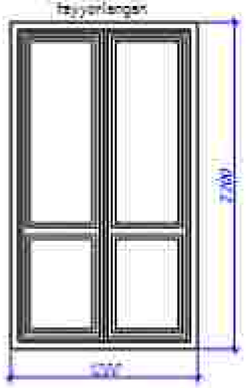
"Sardor Qurilish Maks"
MCHJ

# Eshik va romlar rejasi
(loyihaviy)

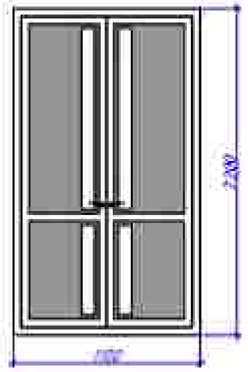
Te1
Yog'och materialdan tayyorlangan



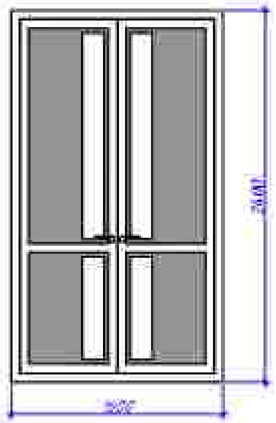
E1
Yog'och materialdan tayyorlangan



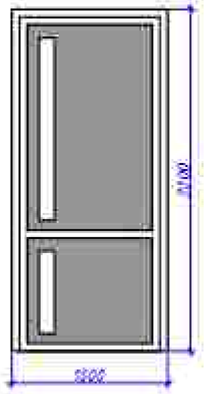
E2
Yog'och materialdan tayyorlangan



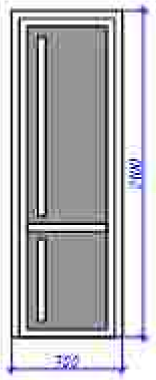
E3
Yog'och materialdan tayyorlangan



E4
Yog'och materialdan tayyorlangan



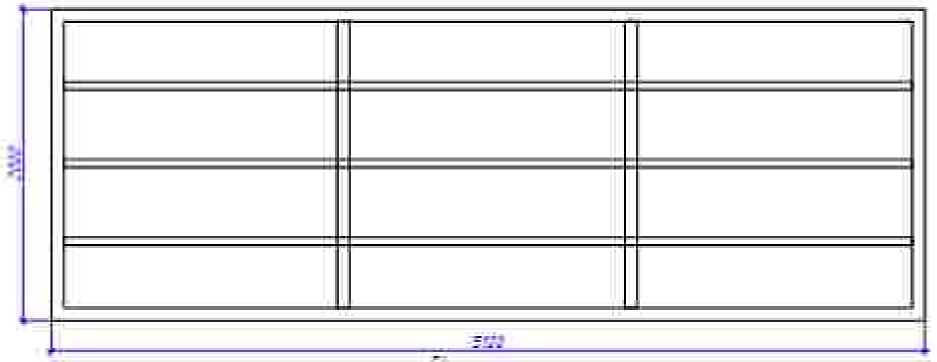
E6
Yog'och materialdan tayyorlangan



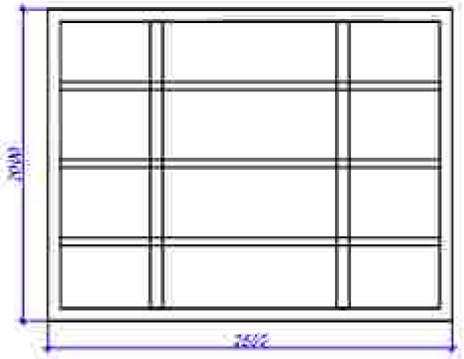
| № | Material | Nomlanishi | | Soni | M2 1 um | Eslatma |
|---|---|---|---|---|---|---|
| | Eshik bloklari | | | | | |
| Te1 | Yog'och materialdan yasalgan | Eshik derazasi bilan | 1200 x 1600<br>1500 x 1600 | 2 | 1.92 | 3.84 |
| E1 | Yog'och materialdan yasalgan | Eshik | 1200 x 2200 | 2 | 2.64 | 5.28 |
| E2 | Yog'och materialdan yasalgan | Eshik | 1100 x 2200 | 12 | 2.42 | 29.04 |
| E3 | Yog'och materialdan yasalgan | Eshik | 1600 x 2400 | 2 | 3.84 | 7.68 |
| E4 | Yog'och materialdan yasalgan | Eshik | 1000 x 2200 | 3 | 2.20 | 6.60 |
| E5 | Yog'och materialdan yasalgan | Eshik | 900 x 2200 | 1 | 1.98 | 1.98 |
| E6 | Yog'och materialdan yasalgan | Eshik | 700 x 2100 | 2 | 1.47 | 2.94 |
| | Deraza bloklari | | | | | |
| D1 | Yog'och materialdan yasalgan | Deraza | 5120 x 2000 | 15 | 10.24 | 153.60 |
| D2 | Yog'och materialdan yasalgan | Deraza | 2600 x 2000 | 2 | 5.20 | 10.40 |
| D3 | Yog'och materialdan yasalgan | Deraza | 3700 x 2000 | 4 | 7.40 | 29.60 |
| D4 | Yog'och materialdan yasalgan | Deraza | 1800 x 2500 | 1 | 4.50 | 4.50 |
| Fr1 | Yog'och materialdan yasalgan | Framuga | 1500 x 600 | 4 | 0.90 | 3.60 |

Mavjud eshik va romlar

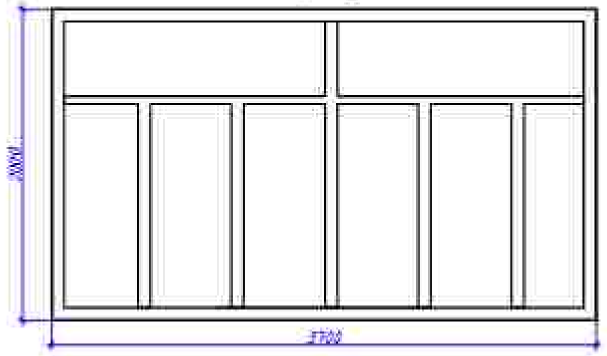
D1
Yog'och materialdan tayyorlangan



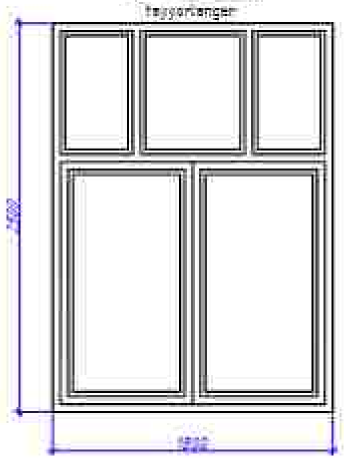
D2
Yog'och materialdan tayyorlangan



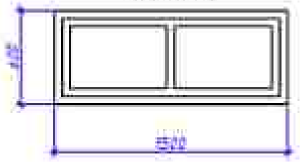
D3
Yog'och materialdan tayyorlangan



D4
Yog'och materialdan tayyorlangan



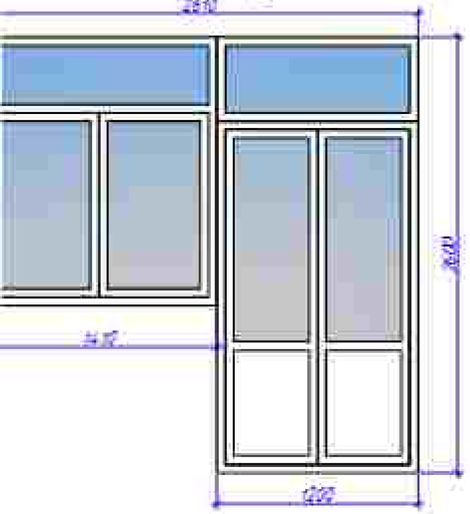
Fr1
Yog'och materialdan tayyorlangan



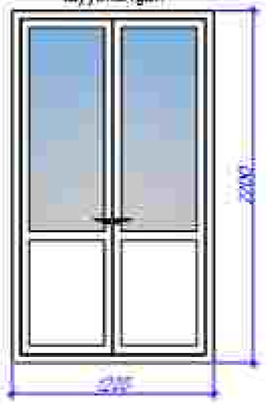
| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| GIP | D blok | Bosqich | Varaq | Varaqlar |
| Bajardi | | IL | 8 | 24 |
| | Eshik va deraza bloklari (mavjud) | "Sardor Qurilish Mega" MCHJ | | |

## Eshik va romlar rejasi
(mavjud)

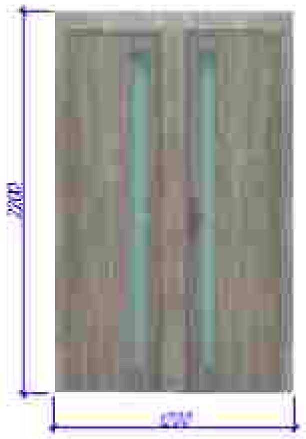
Te1
Alyumin materialdan
tayyorlangan



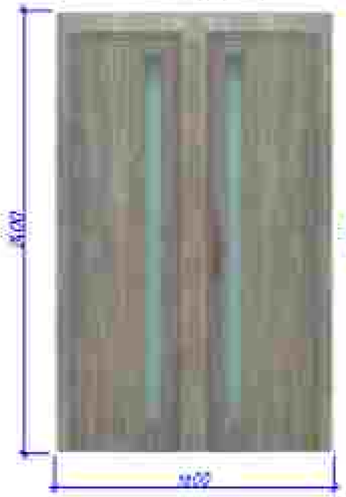
E1
Alyumin materialdan
tayyorlangan



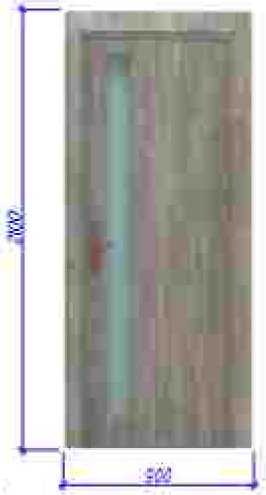
E2
MDF materialdan tayyorlangan
RSTUz 670-96



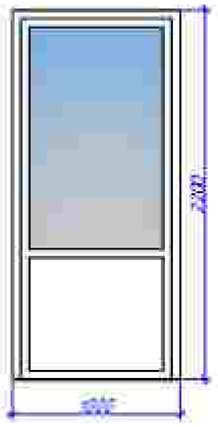
E3
MDF materialdan tayyorlangan
RSTUz 670-96



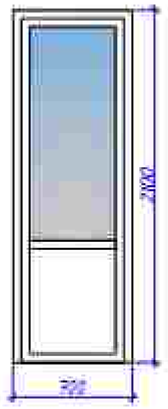
E4
MDF materialdan tayyorlangan
RSTUz 670-96



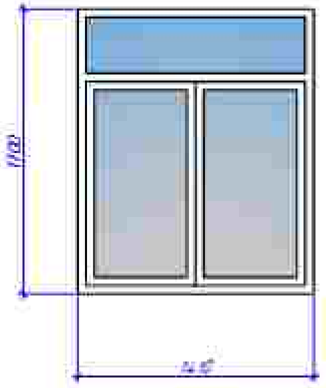
E5
Plastik materialdan
RSTUz 699-96



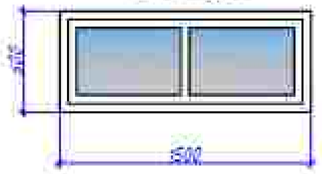
E6
Plastik materialdan
RSTUz 699-96



D1
Plastik materialdan
RSTUz 699-96



Fr1
Plastik materialdan
RSTUz 699-96



Loyixaviy eshik va romlar

| № | Material | Nomlanishi | | | | Soni | m2 1 um | Estatma |
|---|---|---|---|---|---|---|---|---|
| | Eshik bloklari | | | | | | | |
| Te1 | Alyumin materialdan tayyorlangan | Eshik derazasi bilan | 1200<br>1500 | x<br>x | 2600<br>1700 | 2 | 5.67 | 11.34 |
| E1 | Alyumin materialdan tayyorlangan | Eshik | 1200 | x | 2200 | 2 | 2.64 | 5.28 |
| E2 | MDF materialdan RSTUz 670-96 | Eshik | 1100 | x | 2200 | 14 | 2.42 | 33.88 |
| E3 | MDF materialdan RSTUz 670-96 | Eshik | 1600 | x | 2400 | 2 | 3.84 | 7.68 |
| E4 | MDF materialdan RSTUz 670-96 | Eshik | 1000 | x | 2200 | 8 | 2.20 | 17.60 |
| E5 | Plastik materialdan RSTUz 699-96 | Eshik | 900 | x | 2200 | 1 | 1.98 | 1.98 |
| E6 | Plastik materialdan RSTUz 699-96 | Eshik | 700 | x | 2100 | 2 | 1.47 | 2.94 |
| | Deraza bloklari | | | | | | | |
| D1 | Plastikdan tayyorlangan RSTUz 699-96 | Deraza | 1410 | x | 1700 | 34 | 2.40 | 81.50 |
| Fr1 | Plastikdan tayyorlangan RSTUz 699-96 | Framuga | 1500 | x | 600 | 4 | 0.90 | 3.60 |
| | [illegible] | | | | | | | |
| | [illegible] | [illegible] | | | | 64 | | [illegible] |

Ushbu varoq AQ-6 varoqlari bilan birgalikda o'qilsin
Barcha eshiklar ostonasiz (parogsiz) o'rnatilsin.

| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| D blok | Bosqich | Varoq | Varoqlar |
| | IL | 9 | 24 |
| Eshik va deraza bloklari (loyihaviy) | "Sardor Qurilish Meks" MChJ | | |

## Ichki pardozlash ishlari

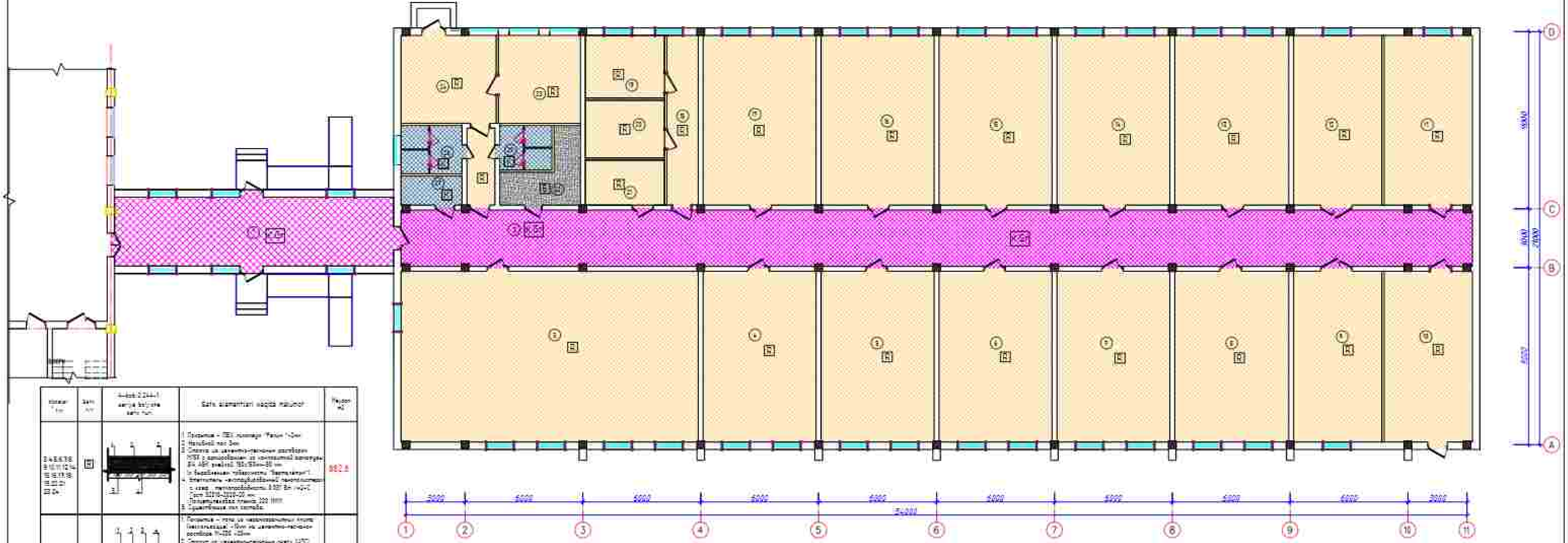
| № | Nomlanishi | SHift м² | | | | Devor yoki parda devor m² | | | | Pol m² | | | | Plintus m | | | Otkos m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Maydon м² | шпатлёвка, suv emulsiyali bo'yoq | Гипсокартон | натяжной | шпатлёвка, Suv emulsiyali akril bo'yoq | Штукатурка | Штукатурка, шпатлёвка, масляный окраска | Штукатурка, Keramik sirlangan plitka (h=1500mm) | Keramik plitka | Relin | Keramogranit | Beton | "Plintus из ker. plitka (h=100mm)" | Plintus из ПВХ | "Plintus из keramogranit plitka (h=100mm)" | "штукатурка, шпат-лёвка, Suv emulsiyali akril bo'yoq" |
| 1 | O'tish | 49,70 | 35,90 | 35,90 | 13,80 | 86,42 | 43,21 | | | | | 51,30 | | | | 30,60 | 84,80 |
| 2 | Yo'lak | 156.5 | 110.79 | 110.79 | 45.70 | 348,77 | 174,38 | | | | | 158,80 | | | | 90,99 | 117,00 |
| 3 | Kutubxona | 131.3 | 43.62 | 43.62 | 87.67 | 152,23 | 76,12 | | | | 131,45 | | | | 46,51 | | 36,60 |
| 4 | Geografiya xonasi (24 o'quvchi) | 49.91 | 24.86 | 24.86 | 25.05 | 93.60 | 46,90 | | | | 50,08 | | | | 27.76 | | 17.94 |
| 5 | Tarbiya xonasi (24 o'quvchi) | 49.91 | 24.86 | 24.86 | 25.05 | 93.80 | 46,90 | | | | 50,08 | | | | 27.76 | | 17.94 |
| 6 | San'at xonasi (24 o'quvchi) | 49.91 | 24.86 | 24.86 | 25.05 | 93.80 | 46,90 | | | | 50,08 | | | | 27.76 | | 17.94 |
| 7 | Musiqiy madaniyat xonasi (24 o'quvchi) | 49.91 | 24.86 | 24.86 | 25.05 | 93.80 | 46,90 | | | | 50,08 | | | | 27.76 | | 17.94 |
| 8 | CHQBT xonasi (24 o'quvchi) | 50.34 | 24.96 | 24.96 | 25.38 | 94.15 | 47,07 | | | | 50,51 | | | | 27.86 | | 17.94 |
| 9 | CHQBT yordamchi xonasi | 38.97 | 22.33 | 22.33 | 16.64 | 85.95 | 42,98 | | | | 39,21 | | | | 24.74 | | 12.62 |
| 10 | Ishchi xodimlar xonasi | 38.97 | 22.33 | 22.33 | 16.64 | 87.57 | 43,79 | | | | 39,52 | | | | 24.24 | | 10.90 |
| 11 | Sciense xonasi (12 o'quvchi) | 38.73 | 22.23 | 22.23 | 16.50 | 86.99 | 43,49 | | | | 38,86 | | | | 25.13 | | 11.72 |
| 12 | Sciense xonasi (12 o'quvchi) | 38.73 | 22.23 | 22.23 | 16.50 | 85.57 | 42,78 | | | | 38,97 | | | | 24.63 | | 12.62 |
| 13 | Mustaqil shug'ullanivchilar uchun xona | 50.03 | 24.85 | 24.85 | 25.18 | 93.76 | 46,88 | | | | 50,20 | | | | 27.75 | | 17.94 |
| 14 | Koworking xonasi | 49.59 | 24.74 | 24.74 | 24.85 | 93.41 | 46,71 | | | | 49,76 | | | | 27.65 | | 17.94 |
| 15 | Startap xonasi | 49.59 | 24.74 | 24.74 | 24.85 | 93.41 | 46,71 | | | | 49,75 | | | | 27.65 | | 17.94 |
| 16 | Startap xonasi | 49.59 | 24.74 | 24.74 | 24.85 | 93.41 | 46,71 | | | | 49,76 | | | | 27.65 | | 17.94 |
| 17 | O'quvchi va xodimlar uchun garderob | 49.59 | 24.74 | 24.74 | 24.85 | 93.41 | 46,71 | | | | 49,76 | | | | 27.65 | | 17.94 |
| 18 | Yo'lak | 13.80 | 13.80 | 13.80 | - | 62.58 | 31,29 | | | | 13,92 | | | | 17.45 | | 22.42 |
| 19 | Xo'jalik ishlari bo'yicha direktor o'rinbosari xonasi | 13.04 | 10.64 | 10.64 | 2.40 | 46.26 | 23,13 | | | | 12,87 | | | | 13.53 | | 11.62 |
| 20 | Bosh xisobchi xonasi | 11.77 | 9.87 | 9.87 | 1.90 | 46.46 | 23,23 | | | | 11,84 | | | | 12.90 | | 5.40 |
| 21 | Kadrlar bo'yicha menejer xonasi | 9.21 | 8.61 | 8.61 | 0.60 | 42.01 | 21,00 | | | | 9,40 | | | | 11.63 | | 5.40 |
| 22 | Texnik xona | 10.01 | - | - | - | 55.90 | 27,95 | | | | | | 15,30 | | 15.60 | | 5.40 |
| 23 | Tibbiy yordam ko'rsatish xonasi | 18.59 | 13.25 | 13.25 | 5.34 | 56.40 | 28,20 | | | | 18,65 | | | | 16.26 | | 13.80 |
| 24 | Xamshira xonasi | 21.57 | 14.59 | 14.59 | 6.98 | 56.89 | 28,45 | | | | 28,06 | | | | 15.39 | | 21.00 |
| 25 | San.Uzel | 5.98 | 5.98 | 5.98 | - | 19.20 | 9,60 | | 13.66 | 6,02 | | | | 9.11 | | | 4.90 |
| 26 | San.Uzel | 7.60 | 7.60 | 7.60 | - | 20.88 | 10,44 | | 15.60 | 7,63 | | | | 9.40 | | | 9.10 |
| 27 | NBSH San.Uzel | 5.12 | 4.57 | 4.57 | - | 17.70 | 8,85 | | 12.22 | 4,72 | | | | 8.15 | | | 5.20 |
| | Jami | 1107.9 | 616.6 | 616.6 | 480.8 | 2294.5 | 1147.2 | | 41.5 | 18.4 | 882.8 | 210.1 | 15.3 | 26.7 | 525.3 | 121.6 | 569.9 |

Eslatma

Xonalarning shifti chetlari 1.0metr kenglikda gipsokarton va o'rta qismi natyajnoy yordamida poldan shiftgacha hisoblanganda 3.0metr balandlikka keltiriladi bu ishlar xonalarni pardozlash bayonnomasi(jadvali)ga ko'ra amalga oshiriladi.

| | | | | | |
|---|---|---|---|---|---|
| LBM | B.Shamshidinov | Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| | | D blok | Bosqich | Varoq | Varoqlar |
| Bajardi | M.Ne'matjonov | | I.L | 10 | 24 |
| | | Ichki pardozlash jadvali | "Sardor Qurilish Maks" MCHJ | | |

# Pol rejasi (loyihaviy) *M 1:100*



| Xonalar № lari | Sath turi | 4-sos-2.244-1 seriya bo'yicha sath turi | Sath elementlari haqida ma'lumot | Maydon m2 |
|---|---|---|---|---|
| 3,4,5,6,7,8,<br>9,10,11,12,14,<br>15,16,17,18,<br>19,20,21,<br>23,24 | 5 |  | 1. Покрытие – ПВХ линолеум "Tarkett" t=2мм<br>2. Наливной пол 3мм<br>3. Стяжка из цементно-песчаного раствора М150 с армированием из композитной арматуры Ø4 АБК ячейкой 150х150мм–30 мм.<br>с барабанным поверхности "Бетоноконтакт"<br>4. Утеплитель экструдированный пенополистирол с коэф. теплопроводности 0,031 Вт/м2С Гост 32310-2020-20 мм.<br>Полиэтиленовая пленка 200 мкм<br>5. Существующее пол основа | 862.8 |
| 1,2 | K.Gr |  | 1. Покрытие – плиты из керамогранитных плит (неполированные) –10мм на цементно-песчаном растворе М-200 =25мм<br>2. Стяжка из цементно-песчаной смеси (ЦПС) М200 с армированием из композитной арматуры Ø4 АБК ячейкой 150х150мм–30 мм.<br>с барабанным поверхности "Бетоноконтакт"<br>3. Утеплитель экструдированный пенополистирол с коэф. теплопроводности 0,031 Вт/м2С Гост 32310-2020-20 мм.<br>Полиэтиленовая пленка 200 мкм<br>4. Существующее пол основа | 210.1 |
| 22 | 6 |  | 1. Стяжка из цементно-песчаной смеси (ЦПС) М200 с армированием из композитной арматуры Ø4 АБК ячейкой 150х150мм–30 мм.<br>с барабанным поверхности "Бетоноконтакт"<br>Полиэтиленовая пленка 200 мкм | 15.30 |
| 25,26,27 | K |  | 1. Плитка керамическая –400х400х8мм неполированная, полоска на цементно-песчаном растворе М-200 =5мм<br>2. Стяжка из цементно-песчаной смеси (ЦПС) М200 с армированием из композитной арматуры Ø4 АБК ячейкой 150х150мм–30 мм.<br>с барабанным поверхности "Бетоноконтакт"<br>3. Утеплитель экструдированный пенополистирол с коэф. теплопроводности 0,031 Вт/м2С Гост 32310-2020-20 мм.<br>Полиэтиленовая пленка 200 мкм<br>4. Существующее пол основа | 18.4 |

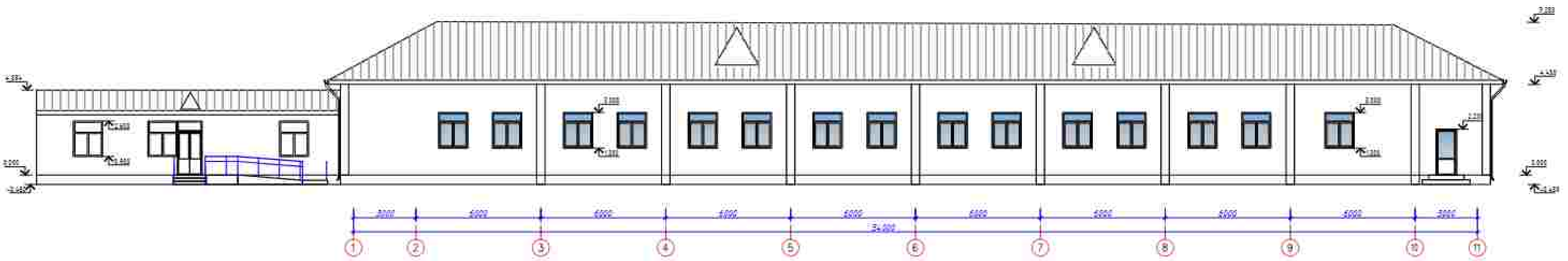
D blok Xonalar tavsifi

| № | Xonalar nomlari | Maydoni m² |
|---|---|---|
| 1 | O'tish | 48.70 |
| 2 | Yo'lak | 155.5 |
| 3 | Kutubxona | 131.3 |
| 4 | Geografiya xonasi (24 o'quvchi) | 48.91 |
| 5 | Tarbiya xonasi (24 o'quvchi) | 48.91 |
| 6 | San'at xonasi (24 o'quvchi) | 48.91 |
| 7 | Musiqiy madaniyat xonasi (24 o'quvchi) | 48.91 |
| 8 | ChQBT xonasi (24 o'quvchi) | 50.34 |
| 9 | ChQBT yordamchi xonasi | 38.97 |
| 10 | Ishchi xodimlar xonasi | 38.97 |
| 11 | Science xonasi (10 o'quvchi) | 38.33 |
| 12 | Science xonasi (10 o'quvchi) | 38.33 |
| 13 | Mustaqil shug'ullanuvchilar uchun xona | 50.53 |
| 14 | Kowarking xonasi | 48.59 |
| 15 | Chertej xonasi | 48.59 |
| 16 | Chertej xonasi | 48.59 |
| 17 | O'quvchi va xodimlar uchun garderob | 48.59 |
| 18 | Yo'lak | 13.80 |
| 19 | Xo'jalik ishlari bo'yicha direktor o'rinbosari xonasi | 15.04 |
| 20 | Bosh xisobchi xonasi | 11.77 |
| 21 | Kadrlar bo'yicha menejer xonasi | 9.21 |
| 22 | Texnik xona | 10.01 |
| 23 | Tibbiy yordam ko'rsatish xonasi | 18.59 |
| 24 | Xamshira xonasi | 21.57 |
| 25 | San.Uzel | 5.98 |
| 26 | San.Uzel | 7.68 |
| 27 | MGCH San.Uzel | 4.57 |
|  | Jami | 781.5 |

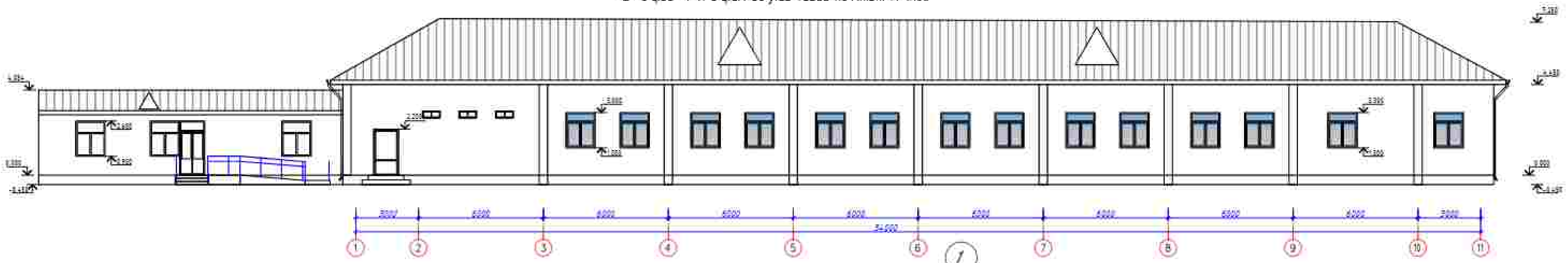
| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| D blok | Bosqich | Varaq | Varaqlar |
| | LL | 11 | 24 |
| Pol rejasi (loyihaviy) | "Sardor Qurilish Mega" MCHJ | | |

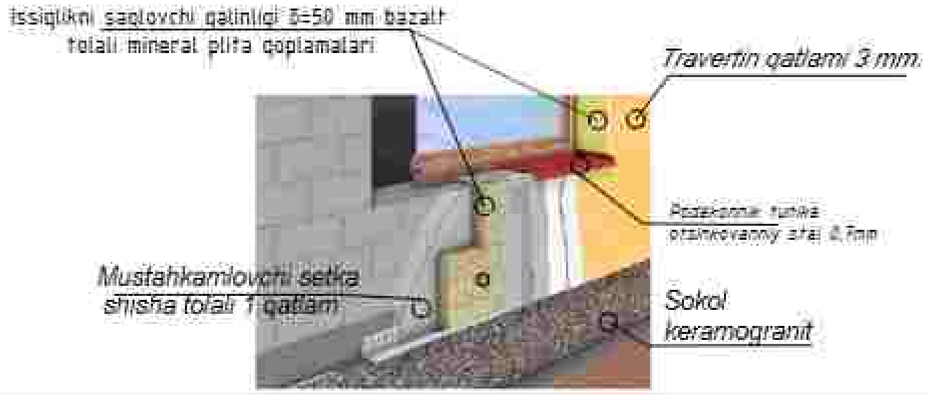
GIP
Bajardi

## "A" o'qida "1-11"o'qlari bo'ylab fasad ko'rinishi M 1:100

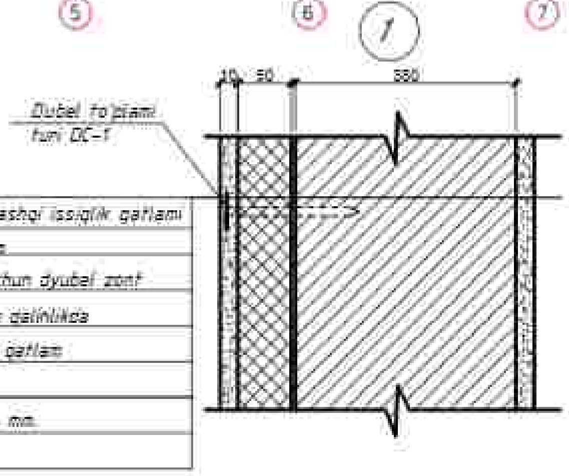


## "D" o'qida "1-11"o'qlari bo'ylab fasad ko'rinishi M 1:100





Issiqlikni saqlovchi qalinligi δ=50 mm bazalt tolali mineral plita qoplamalari
Travertin qatlami 3 mm.
Podokonnie tunika otsinkovanniy stal 0,7mm
Mustahkamlovchi setka shisha tolali 1 qatlam
Sokol keramogranit

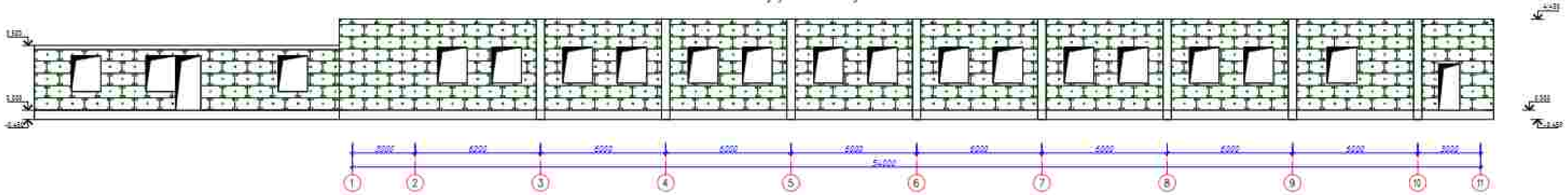


Tashqi devor qalinligi 380 mm
Mavjud tashqi suvoq ustidan tashqi issiqlik qatlami
Bazalt tolali plita qalinligi 50mm
Mineralni plitani mahkamlash uchun dyubel zont
yopishtiruvchi qorishma 7-10mm qalinlikda
Suvoqni mustahkamlovchi to'r 1 qatlam
Polimer to'rni yopishtiruvchi
gipsning asosiy qatlami - 3 ÷ 4 mm.
Gipsning oxirgi qatlami 3 mm.

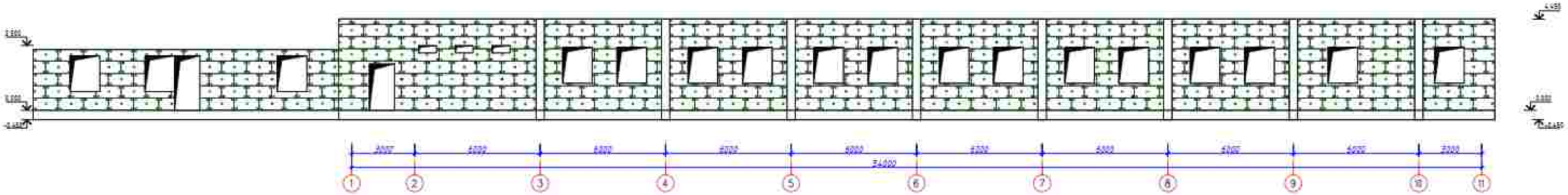
| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| D blok | Bosqich | Varaq | Varaqlar |
| | IL | 07 | 24 |
| "A va D" o'qida "1-11"o'qlari bo'ylab fasad ko'rinishi | "Sardor Qurilish Meva" MCHJ | | |

| | |
|---|---|
| [illegible] | [illegible] |
| Bajardi | [illegible] |

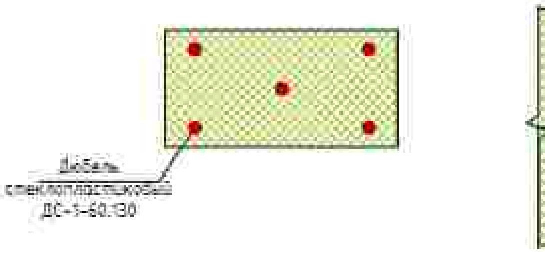
## "A" o'qida "1-11"o'qlari bo'ylab issiqlik qoplamalari joylashtirish rejasi



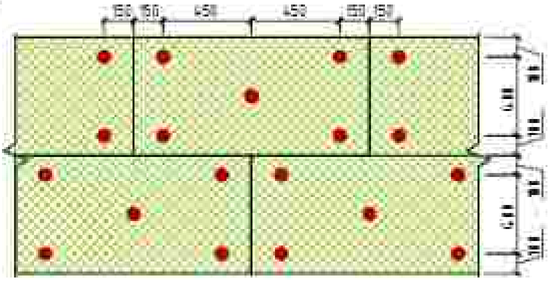
## "D" o'qida "1-11"o'qlari bo'ylab issiqlik qoplamalari joylashtirish rejasi



### Базальтоволоконные плиты
или минеральные плиты на основе кварцевого песка маркой ППЖ-γ=120÷140 кг/м3 толщ.50мм



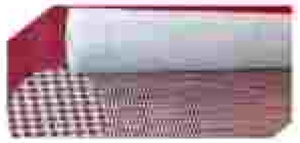
### Схема крепления плит утеплителя стеклопластиковым Дюбелем



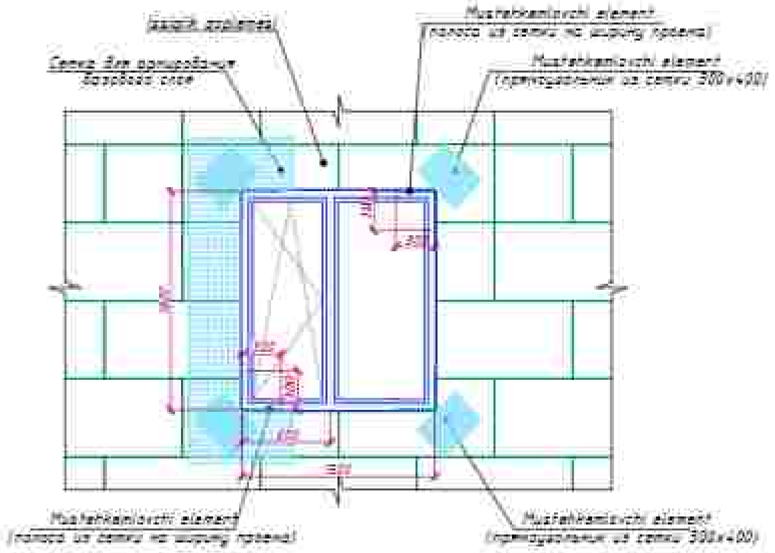
Устройство штукатурки из клеевого раствора с щелочестойкой сеткой

Монтаж плит утеплителей

C - 1
Фасадная сетка щелочестойкая



### Fragment -1



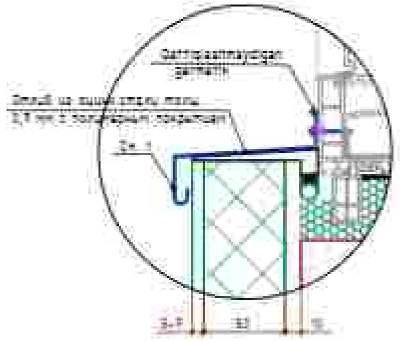
Issiqlik qoplamasi
Сетка для армирования базового слоя
Mustahkamlovchi element (полоса из сетки на ширину проема)
Mustahkamlovchi element (прямоугольник из сетки 300х400)
Mustahkamlovchi element (полоса из сетки на ширину проема)
Mustahkamlovchi element (прямоугольник из сетки 300х400)
1500

9
Шуруп по металлу

Поз.2
Оконный слив

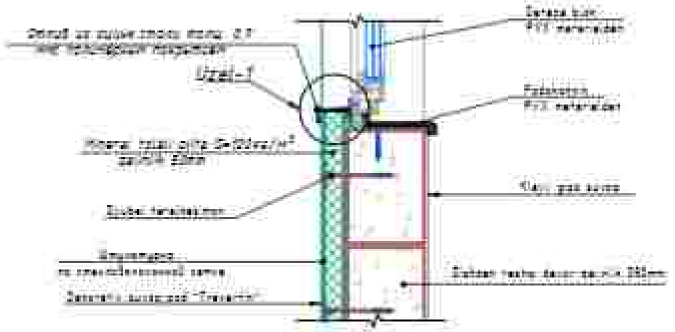
10
Анкерный болт

### Uzel-1



Qattiqlashmaydigan germetik
Отлив из оцинкованной стали толщ. 0,7 мм с полимерным покрытием
Poz. 1

### Пример схемы отлива



Отлив из оцинкованной стали толщ. 0,7 мм с полимерным покрытием
Uzel-1
Deraza blok PVX materialdan
Podokonnik PVX materialdan
Mineral tolali plita G=100kg/m³ qalinligi 50mm
Dyubel tarelkasimon
Штукатурка по стеклосетчатой сетке
Dekorativ suvoq "Travertin"
Kleyli gips suvoq
Mavjud g'isht devor qalinligi 380mm

| | | | | Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | |
|---|---|---|---|---|---|---|
| Loyih. | [illegible] | | | D blok | Bosqich | Varaq | Varaqlar |
| | | | | | IL | 13 | 24 |
| Bajardi | [illegible] | | | | | | |
| | | | | "A va D" o'qida "1-11"o'qlari bo'ylab issiqlik qoplamalari joylashtirish rejasi | "Sardor Qurilish Mega" MCHJ | | |

# TASHQI PARDOZLASH ISHLARI

1. Binoning barcha tashqi ko'rinishida suvoq ustidan travertin kukunidan suvoq ishlari bajarilsin.
2. Deraza va eshik teshiklarining yonbag'irlari travertin kukunidan suvoq ishlari qilinsin.
3. Deraza va darcha bloklari - RSTUz 699-96 bo'yicha plastik materiallardan o'rnatilsin (2qavatl oynali).
4. Vitrajlar - RSTUz 699-96 bo'yicha Alyumin materiallardan va kolyonniy steklodan o'rnatilsin (2qavatl oynali).
5. Eshiklar - RSTUz 699-96 bo'yicha plastik materiallardan o'rnatilsin (2qavatl oynali).
6. Deraza tashqi tokchalari Polimer qoplamali profnastil 0,51mm dan o'rnatilsin.
7. Tashqi pillapoya maydoni va qadamlari sirg'anmas keramogranit plitkalar bilan qoplansin.

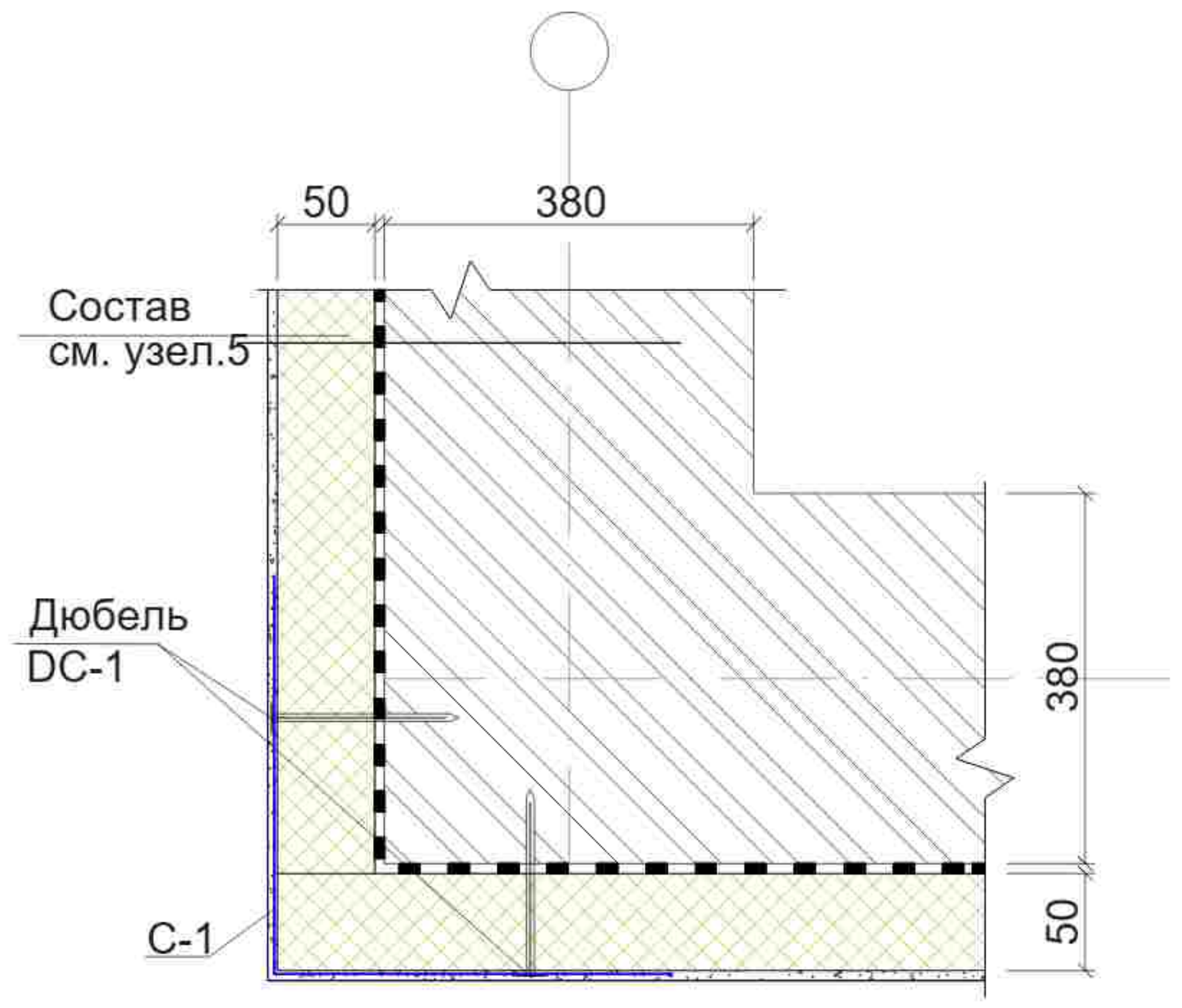
yopqichlar o'rnatilsin. Tutqichlari zanglamas metalldan o'rnatilsin.

8. Sokol-granit plitkalar metall karkaslar bilan o'rnatilsin.
9. Yog'in suvlarini yig'uvchi kanal va pastga tushirish quvurlari o'rnatilsin.
10. Tom - Polimer qoplamali profnastil 0,51mm dan, Metall fermadan bajarilsin.
11. Asosiy kirish qismidagi me'moriy elementlar Tunukafon dan metall ramkalarga qoplansin.
12. Bino atrofi - 70mm shag'al asos, kengligi 1000mm bo'lgan 50mm qalinlikdagi beton to'shama bilan qoplansin.
13. Karniz - Tunukafon dan qoplansin.

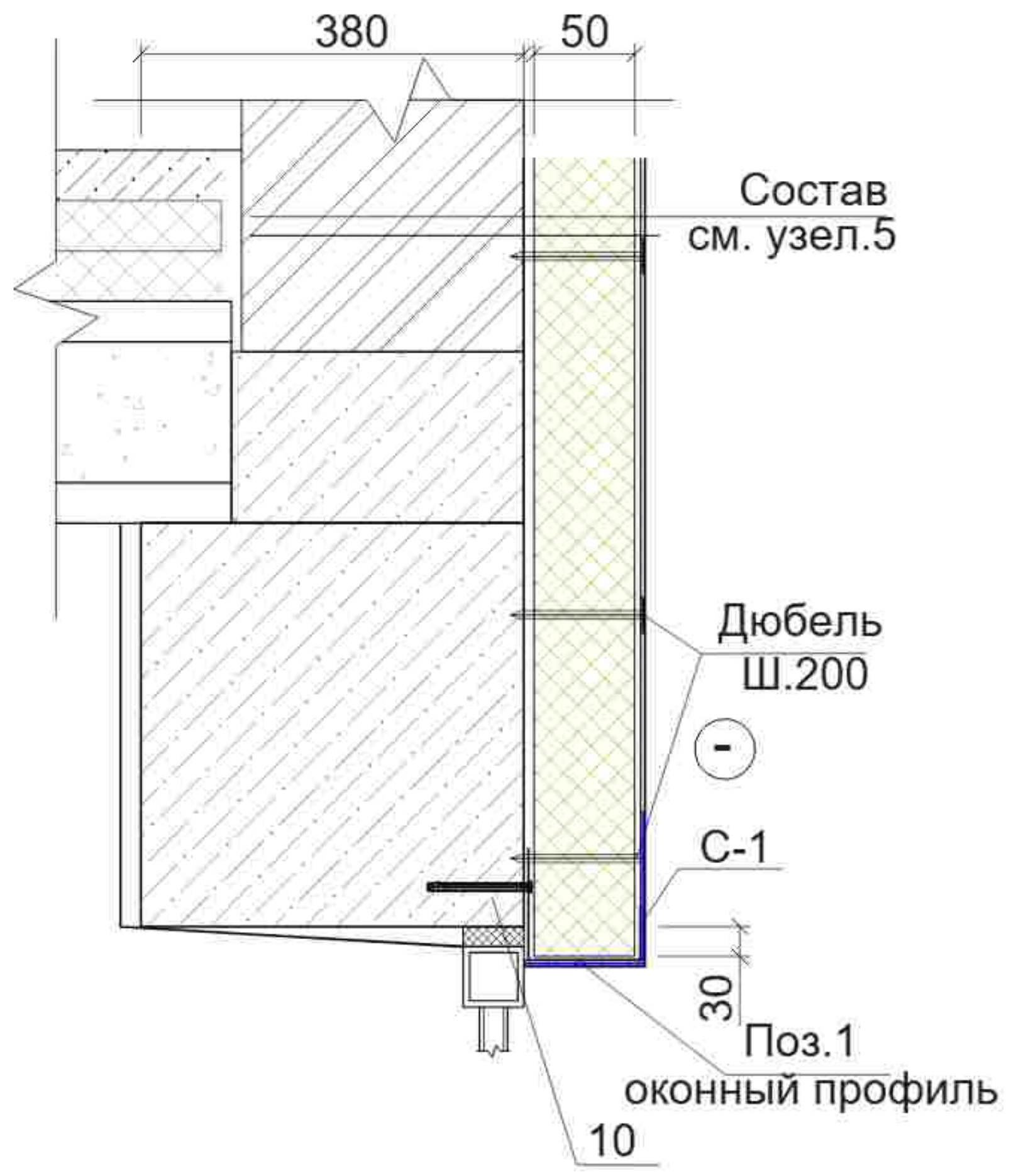
## Tashqi pardozlash

| № | | *Issiqlik qatlami tarkibi va tashqi devor pardozi:* | Maydoni | Eslatma |
|---|---|---|---|---|
| | *Fasad* | *2. Kleyli qorishma mineral tolali plitani o'rnatish uchun 5-7мм;* | *693,40* | м2 |
| | *Fasad* | *3. Bazalt tolali plita - ППЖ 120кг/м$^3$. толщ.=50мм (1200х600х50 мм);* | *693,40* | м2 |
| | *Fasad* | *Тарельчатый дюбель с металлическим распорным элементом с мелконакатанной резьбой;* | | *шт* |
| | *Fasad* | *Dekorativ shtukaturka - Travertin* | *693.40* | *м2* |
| *2* | | Otkos | *50.50* | *м2* |
| *3* | Fasad | *Podakonnik tunika 60,4 п/м otsinkovanniy stal 0,7mm* | *42.28* | *m2* |
| | | *Sokol qismi.* | | |
| 4 | *Sokol* | *1. Issaqlik plitasi ekstrudirovanniy penopolistrol qalinlik -30mm* | *73.01* | *m2* |
| | *Sokol* | *Keramogranit plitka bilan* | *73.01* | м2 |

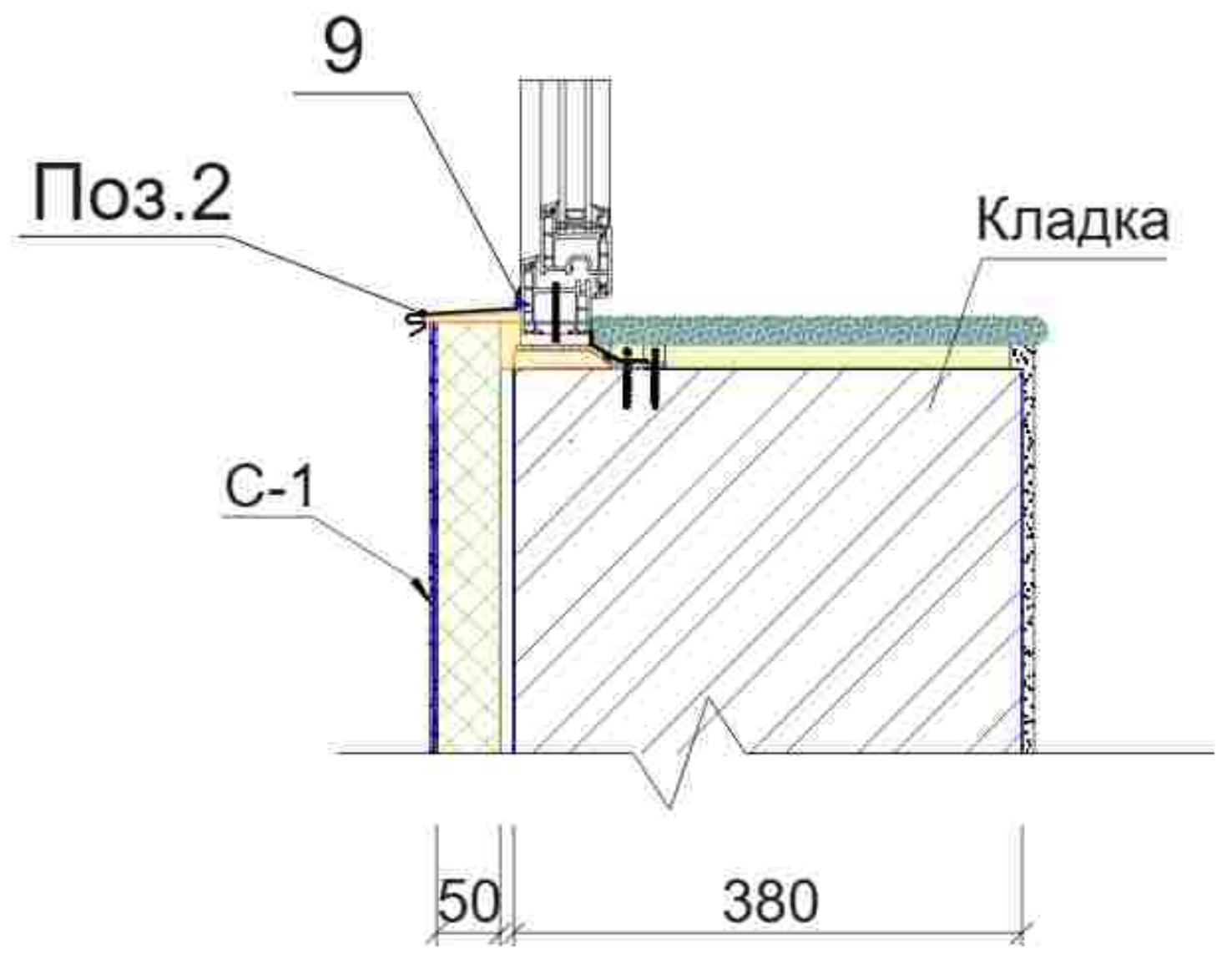
## Uzel-1



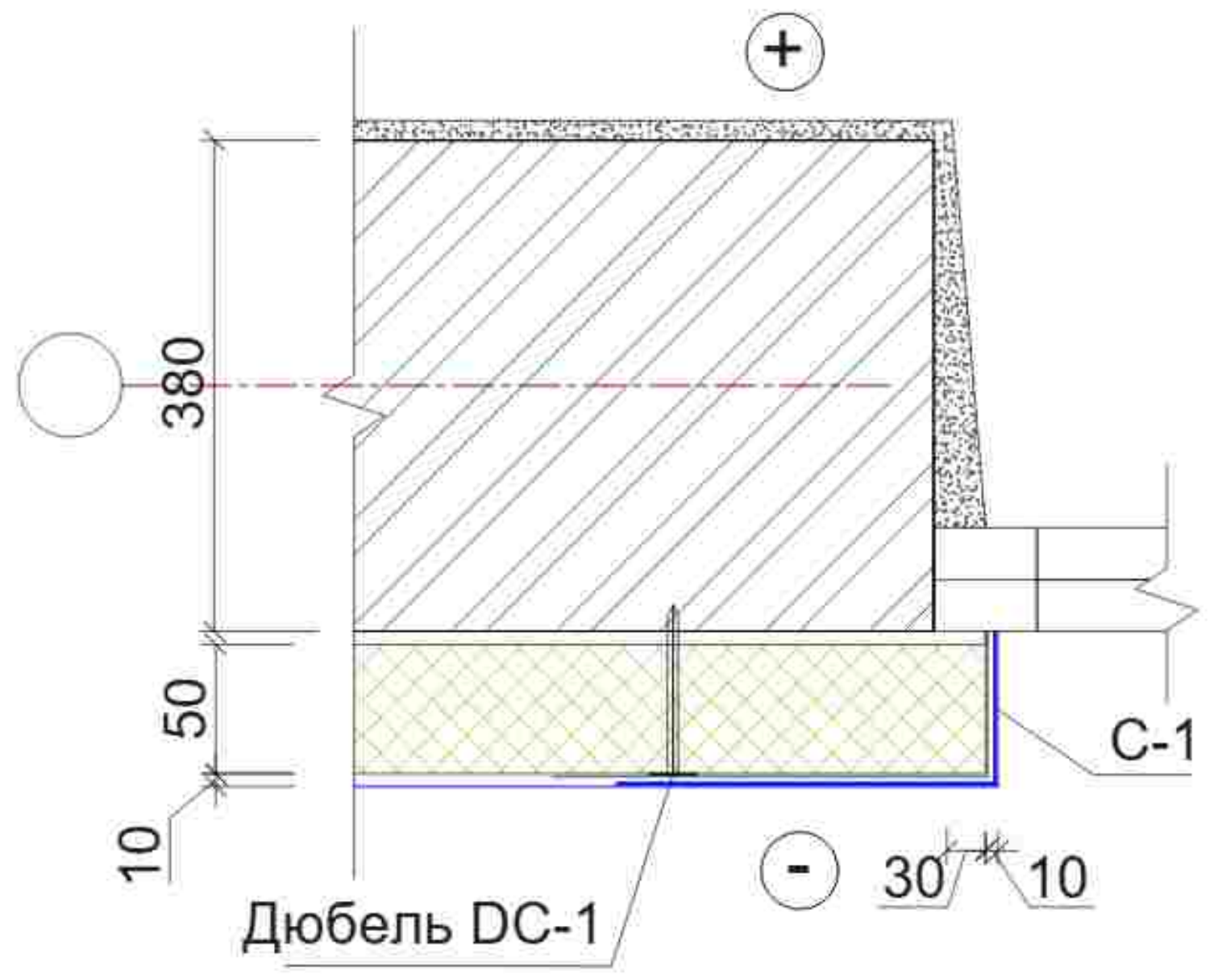
## Uzel-3



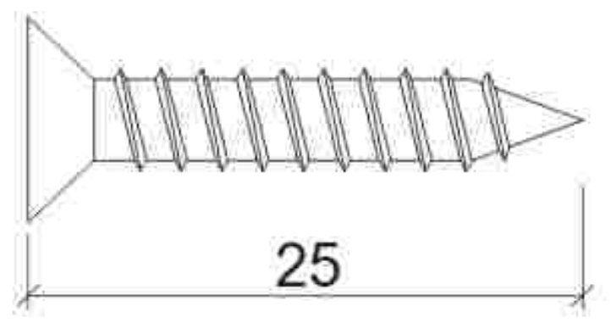
## Uzel-4



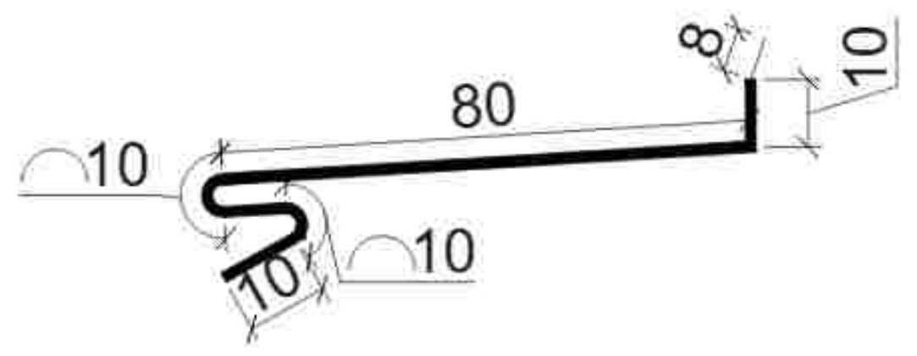
## Uzel-2



9
Шуруп по металлу



Поз.2
Оконный слив



10
Анкерный болт

| | | | |
|---|---|---|---|
| *LBM* | B.Shamshidinov | | |
| *Bajardi* | M.Ne'matjonov | | |

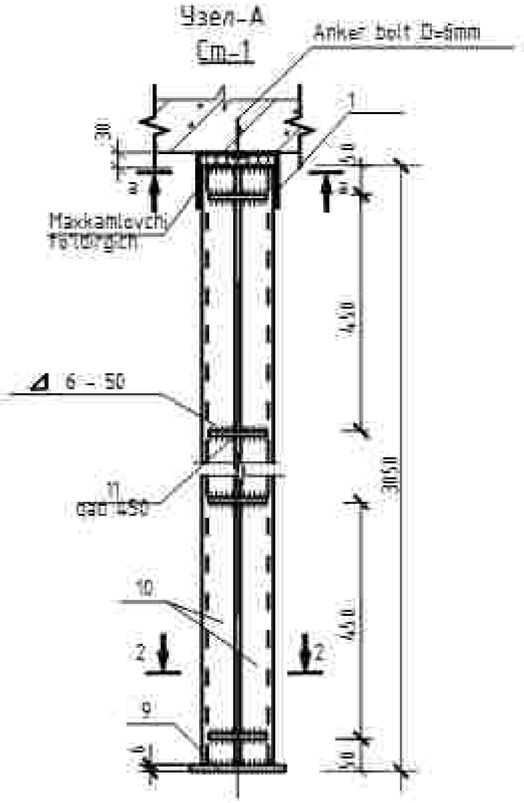
*Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)*

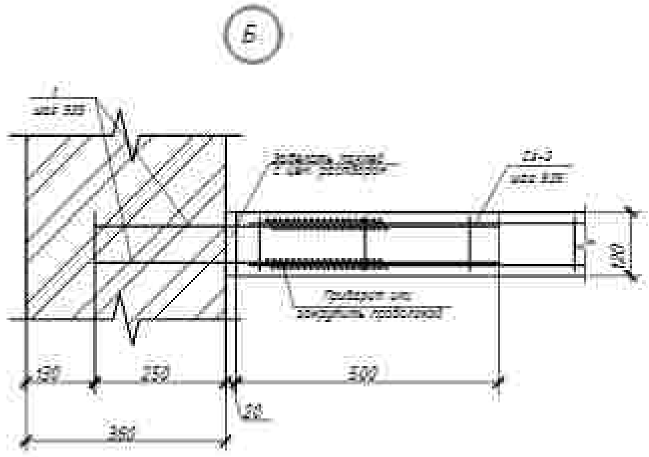
| D blok | Bosqich | Varoq | Varoqlar |
|---|---|---|---|
| | I.L | 14 | 24 |

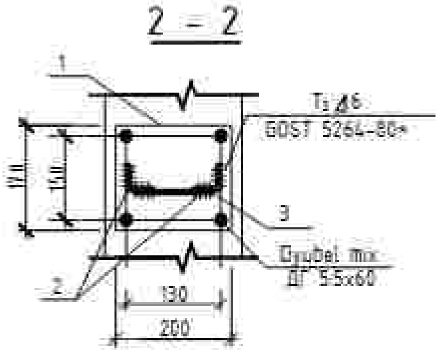
Uzellar-1, 2, 3, 4.

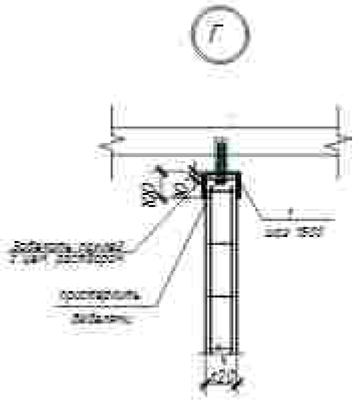
*"Sardor Qurilish Maks" MCHJ*

# Parda devorlarni mustaxkamlash rejasi



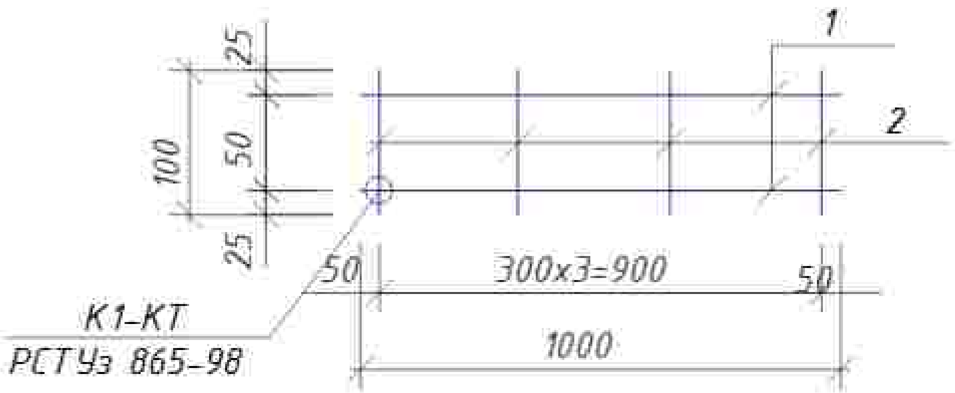


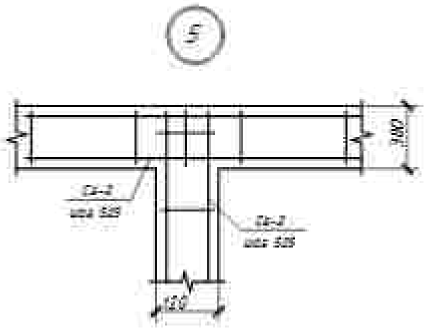




| № | Belgilanishi | Nomlanishi | | soni | massa kg | Eslatma |
|---|---|---|---|---|---|---|
| | | Uzel-A | | 12 | | |
| 1 | ГОСТ 103-76* | __170x6 | L=200 | 1 | 0,16 | 1,92 |
| 2 | ГОСТ 103-76* | L50x5 | L=3000 | 2 | 22,62 | 271,44 |
| 3 | ГОСТ 103-76* | Ø10AIII | L=130 | 6 | 0,48 | 5,76 |
| | | Uzel-Б | | 15 | | |
| | ГОСТ 103-76* | Ø8AI | L=750 | 5 | 1,50 | 22,50 |
| | | Uzel-Г | | 37 | | |
| | ГОСТ 103-76* | List | 4x100x350 ГОСТ 19903-2015<br>С245 ГОСТ 27772-2015 | 1 | 1,10 | 40,70 |
| | | Дюбель ДГПШ 3,5Х60 | | 37 | | шт |
| | | Горизонтальная сетка СГ-1 (на 1 п.м) | | 235.0 | | |
| 1 | GOST 6727-80 | Ф5 Вр-I м.п. | | 2 | 0,15 | 70,50 |
| 2 | GOST 6727-80 | Ф3 Вр-I м.п. | L=100 | 4 | 0,0055 | 5,17 |

## Yotiq setka Сг-1





LBM | B.Shamsiddinov
Bajardi | M.Ne'matjonov

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)

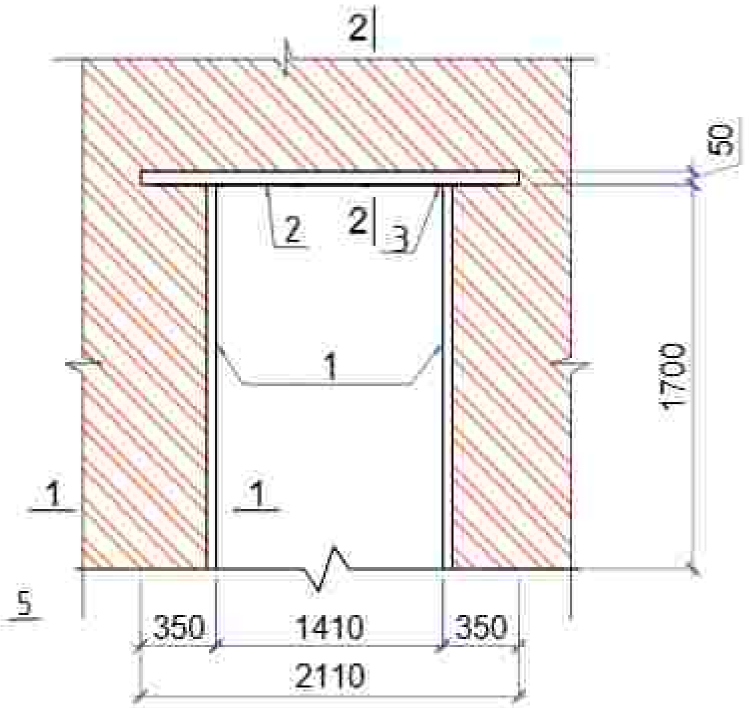
D blok

| Bosqich | Varoq | Varoqlar |
|---|---|---|
| I.L | 15 | 24 |

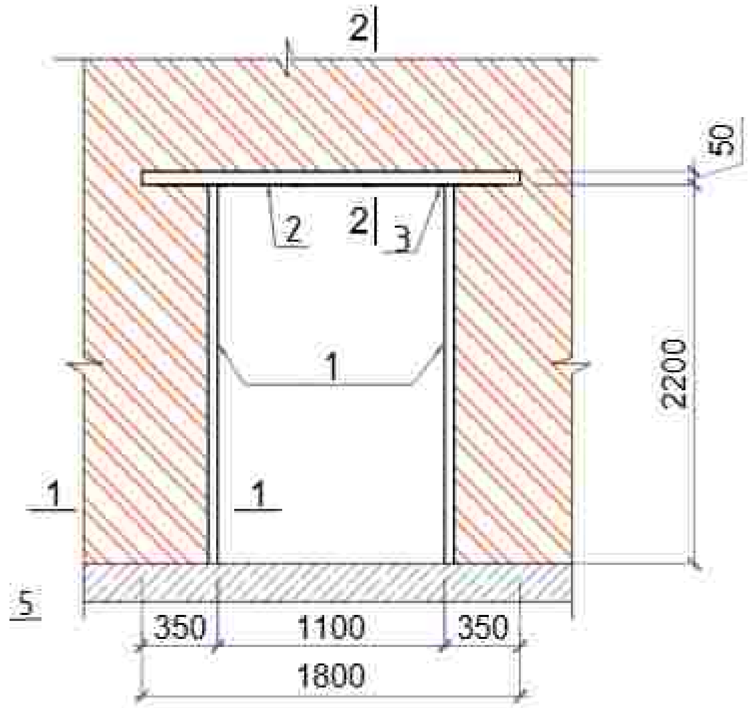
Parda devorlarni mustaxkamlash elementlari

"Sardor Qurilish Maks" MCHJ

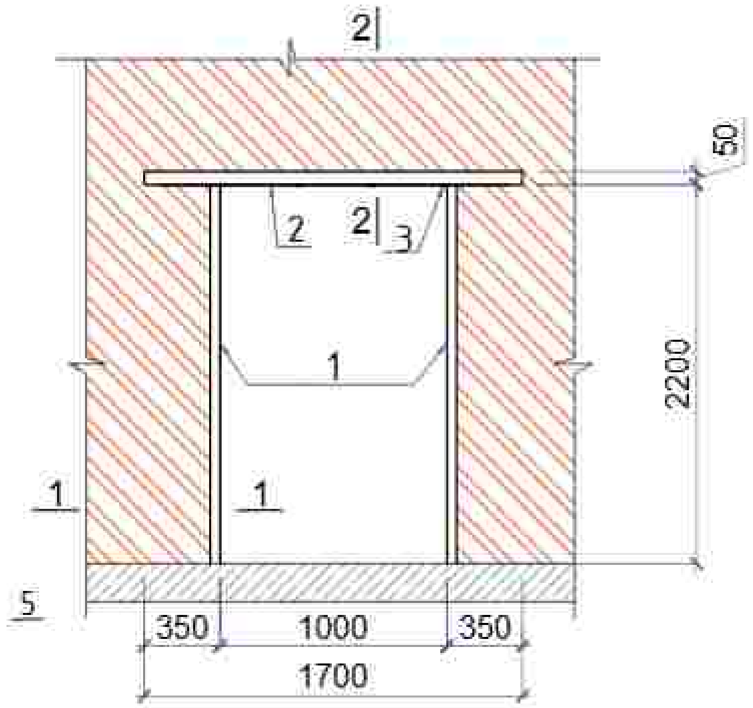
## Devorlarni mustaxkamlash sxemasi Dm1



## Devorlarni mustaxkamlash sxemasi Dm2



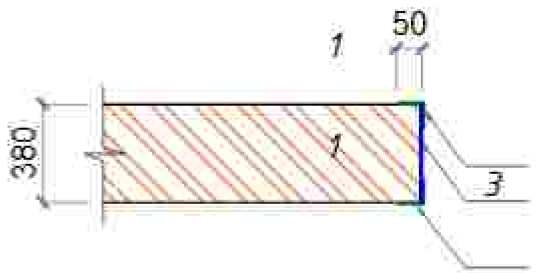
## Devorlarni mustaxkamlash sxemasi Dm3



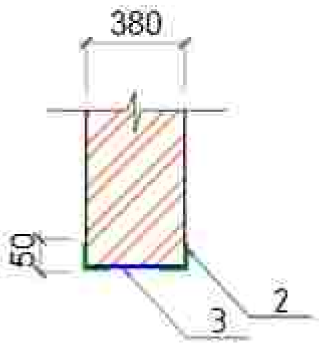
1.Barcha metall konstruktsiyalarni korroziya (yemirilish) ga qarshi qo'rg'oshin kukuni bo'yog'i bilan ximoyalash amalga oshiriladi

2.Ushbu varoq AQ- varoqlari bilan birgalikda o'qilsin.

*Qirqim 1-1 (M1:20)*



*Qirqim 2-2 (M1:20)*



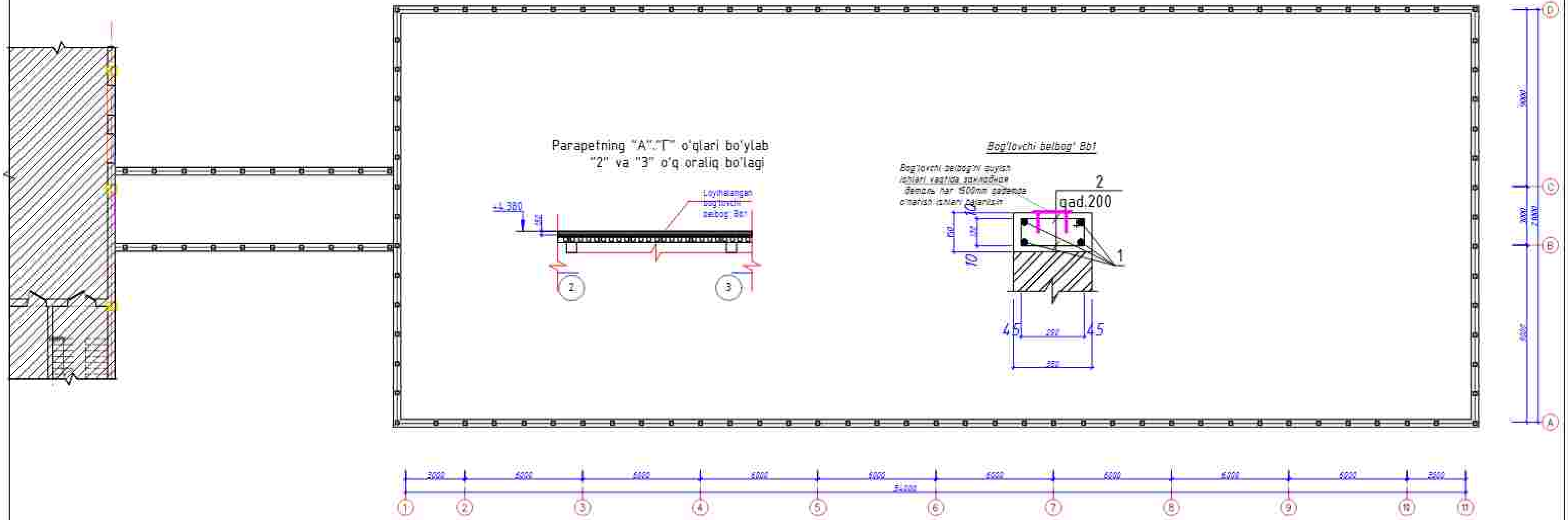
*Devorlarni mustaxkamlash elemntlarini tavsifi*

| № | Belgilanishi | Nomlanishi | soni | massa kg | Eslatma |
|---|---|---|---|---|---|
| | | Devorni mustaxkamlash Dm1 | 36 | 41.96 | 1510.68 |
| 1 | GOST 8509-86 | Ugolok 50x50x4мм L= 1700 | 4 | 5.19 | 20.74 |
| 2 | GOST 8509-86 | Ugolok 50x50x4мм L= 2110 | 2 | 6.44 | 12.87 |
| 3 | GOST 103-76* | Po'lat tasma 4x50 мм L= 380 | 14 | 0.60 | 8.35 |
| | | Devorni mustaxkamlash Dm2 | 2 | 46.17 | 92.34 |
| 1 | GOST 8509-86 | Ugolok 50x50x4мм L= 2200 | 4 | 6.71 | 26.84 |
| 2 | GOST 8509-86 | Ugolok 50x50x4мм L= 1800 | 2 | 5.49 | 10.98 |
| 3 | GOST 103-76* | Po'lat tasma 4x50 мм L= 380 | 14 | 0.60 | 8.35 |
| | | Devorni mustaxkamlash Dm3 | 4 | 45.56 | 182.25 |
| 1 | GOST 8509-86 | Ugolok 50x50x4мм L= 2200 | 4 | 6.71 | 26.84 |
| 2 | GOST 8509-86 | Ugolok 50x50x4мм L= 1700 | 2 | 5.19 | 10.37 |
| 3 | GOST 103-76* | Po'lat tasma 4x50 мм L= 380 | 14 | 0.60 | 8.35 |

| № | Belgilanishi | Dona | Dm1 | Dm2 | Dm3 | Jami |
|---|---|---|---|---|---|---|
| 1 | Devorlarni mustaxkamlash elemnti DM1 | 36 | 61.6 | | | 2217.60 |
| 2 | Devorlarni mustaxkamlash elemnti DM2 | 2 | | 66.8 | | 133.60 |
| 3 | Devorlarni mustaxkamlash elemnti DM3 | 4 | | | 66.1 | 264.40 |

| | | | | | |
|---|---|---|---|---|---|
| LBM | B.Shamsiddinov | | Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | |
| | | | D blok | Bosqich | Varoq | Varoqlar |
| Bajardi | M.Ne'matjonov | | | I.L | 16 | 24 |
| | | | Devorlarni mustaxkamlash elementlari | "Sardor Qurilish Maks" MCHJ | | |

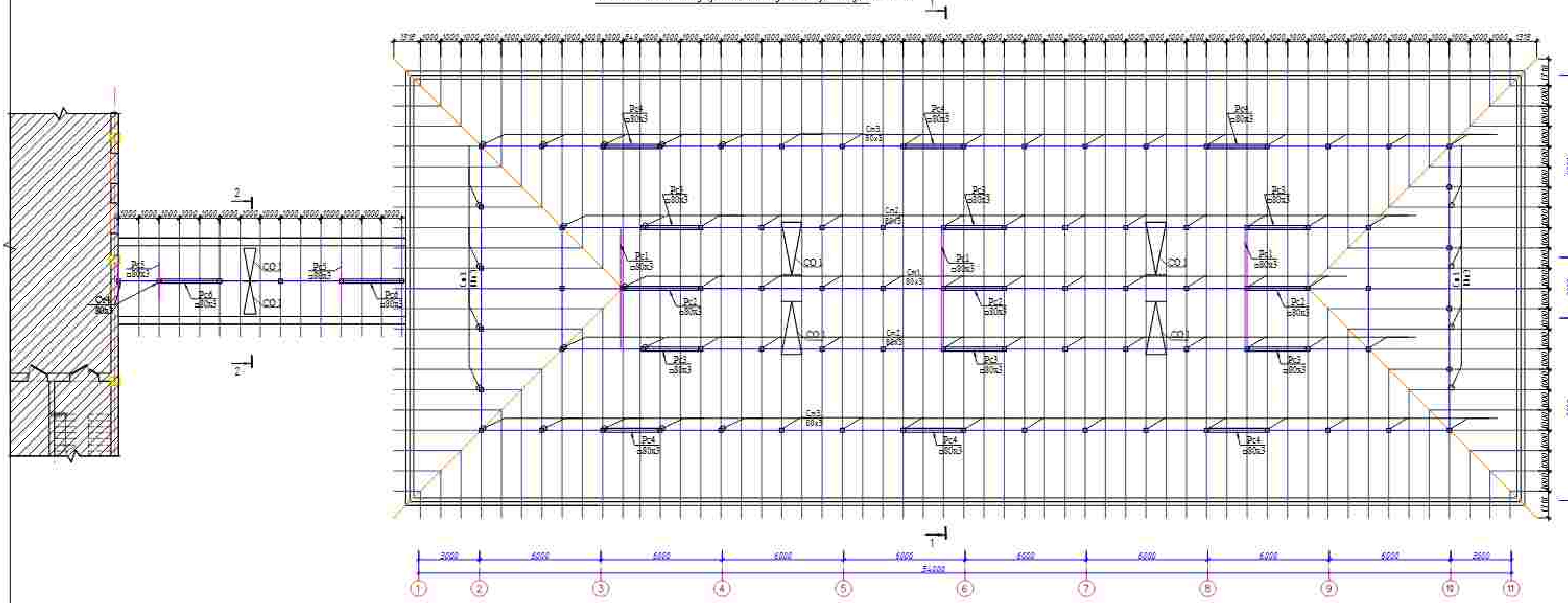
## Paraped rejasi (loyihaviy)


Parapetning "A"-"Г" o'qlari bo'ylab
"2" va "3" o'q oraliq bo'lagi
+4.380
Loyihalangan bog'lovchi belbog' Bb1
2
3
Bog'lovchi belbog' Bb1
Bog'lovchi belbog'ni quyish ishlari vaqtida закладное деталь har 1500mm qadamda chiqarish ishlari bajarilsin
2
qad.200
1
10
10
45
45
200
290
D
C
B
A
3000
3000
6000
6000
6000
6000
6000
6000
6000
6000
54000
1
2
3
4
5
6
7
8
9
10
11

| Parapetni mustahkamlash elementlarining tarkibi | | | | | | | |
|---|---|---|---|---|---|---|---|
| № | Belgilanishi | Nomlanishi | | | Soni | Og'irligi dona kg | Eslatma |
| ОБ-1 | | Обвязочный пояс-1 Lобщ=150.3 пм | | | 150.3 | | |
| 1 | ГОСТ 5781-82* | ф12АIII L=1.0 м | | | 4 | 0.89 | 540.30 |
| Х2 | -//- | ф6АI L=1.040 мм | | | 5 | 0.23 | 208.16 |
| | Материалы: Бетон кл B15 м³ | | | | | | 12.82 |

| | | | |
|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| GIP | D blok | Bosqich<br>IL | Varaq<br>17 |
| Bajardi | | | Varaqlar<br>24 |
| | Paraped rejasi | "Sardor Qurilish Mega" MCHJ | |

## Tom elementlari joylashuvi rejasi (loyihaviy) M 1:100



1. Polimer qatlamli tom qoplamalarini metall reykalarga mahkamlash po'latdan yasalgan qurilish vintlari yordamida amalga oshiriladi.
2. Metal stropila 1000 мм oraliqda bo'lishi kerak.
3. Tashqi markazlashgan drenaj elementlari qalinligi 0,7 mm bo'lgan tom yopish mahsus po'lat listlaridan bajarilsin.
4. Bino tom tugunlari va tafsilotlari AQ varog'iga qarang-
5. Tom qurilmalari QMQ 2.03.10 – 19 "Tom va tom qoplamalari" talablariga muvofiq amalga oshirilsin.

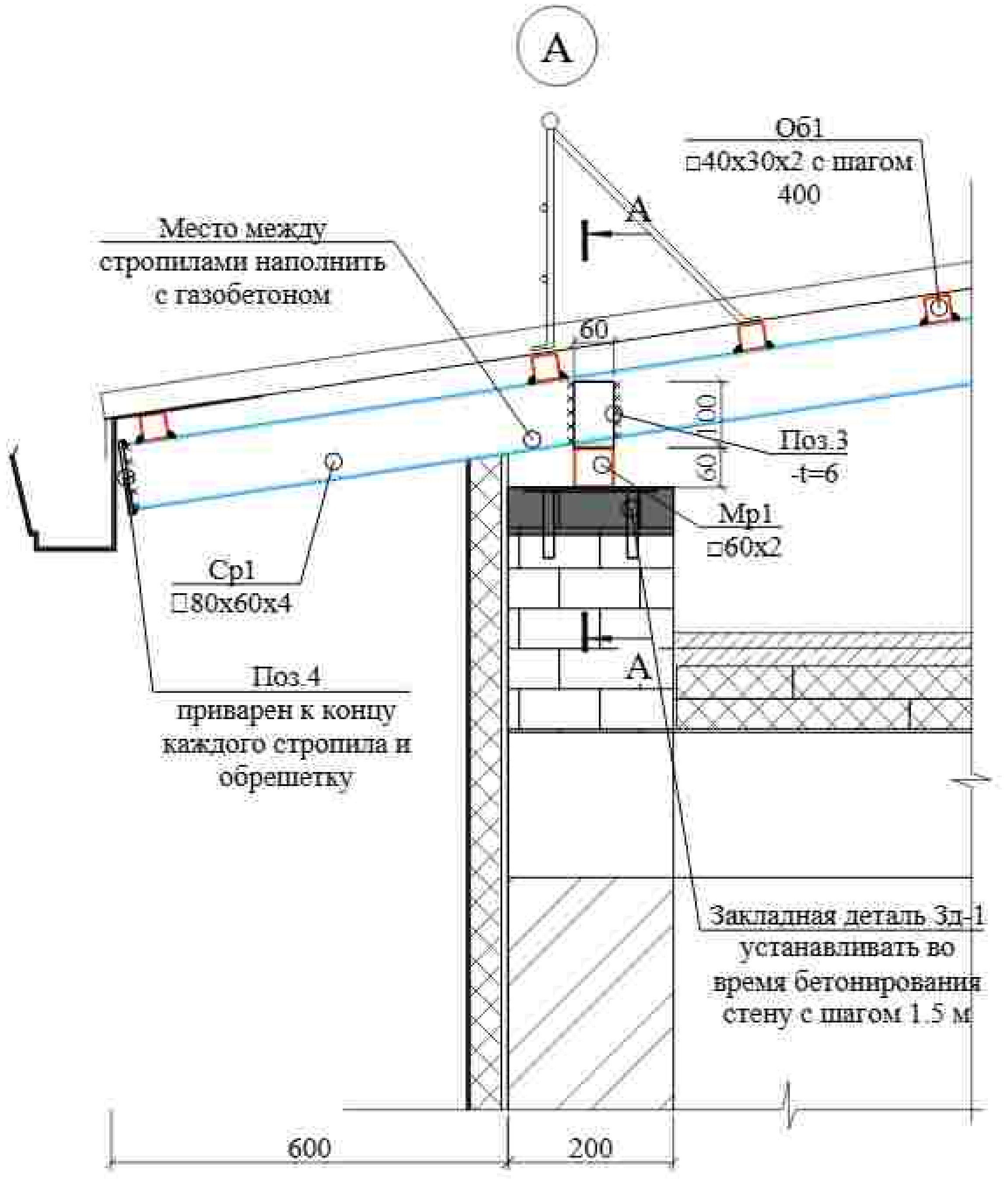
| | | | | |
|---|---|---|---|---|
| GIP | [illegible] | Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | |
| Bajardi | [illegible] | D blok | Bosqich<br>IL | Varaq<br>18 |
| | | | | Varaqlar<br>24 |
| | | Tom elementlari joylashuvi rejasi (loyihaviy) | "Sardor Qurilish Mera" MCHJ | |

# Tomning elementlari spetsifikatsiyasi

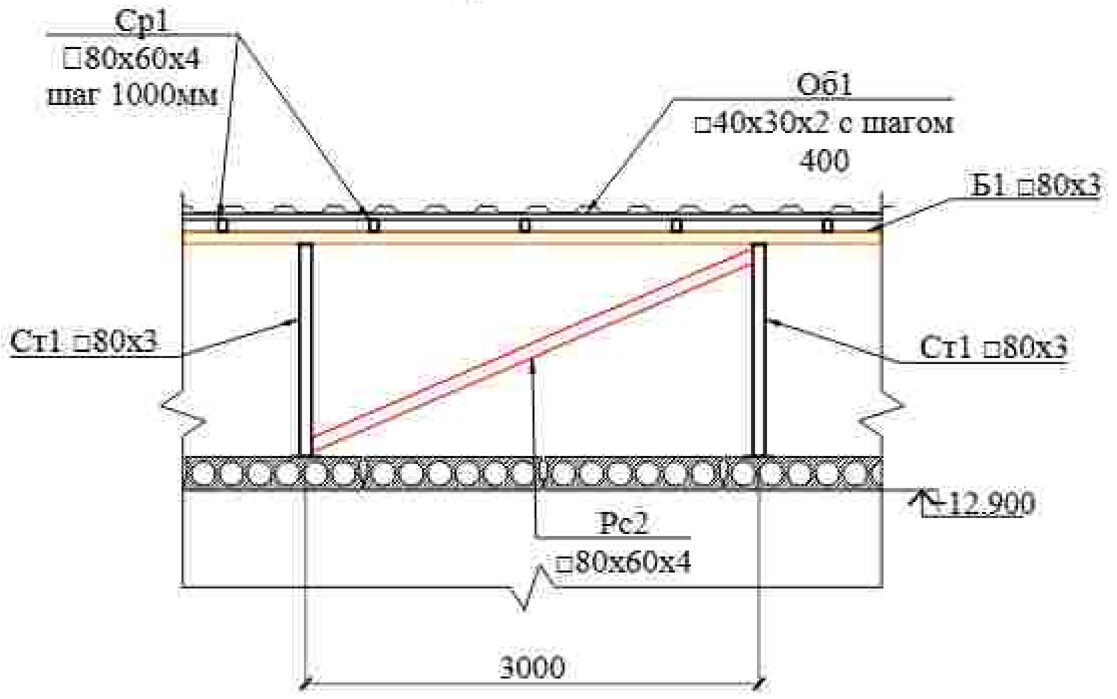
| № | Belgilanishi | Nomlanishi | soni | massa kg | Eslatma |
|---|---|---|---|---|---|
| | | Металлическая стойка Ст-1 | 12 | | |
| Ст-1 | GOST 30245-2003 | Профил 3x80x80 L=2730 | 1 | 19,30 | 231,61 |
| 1 | GOST 19903-90 | Лист стальной -4x100мм L=100 | 1 | 0,31 | 3,77 |
| 2 | GOST 19903-90 | Лист стальной -6x200мм L=200 | 1 | 1,88 | 22,61 |
| | | Анкерный болт М10x100 | 4 | 0,06 | 2,88 |
| | | Металлическая стойка Ст-2 | 30 | | |
| Ст-2 | GOST 30245-2003 | Профил 3x80x80 L=1930 | 1 | 13,65 | 409,35 |
| 1 | GOST 19903-90 | Лист стальной -4x100мм L=100 | 1 | 0,31 | 9,42 |
| 2 | GOST 19903-90 | Лист стальной -6x200мм L=200 | 1 | 1,88 | 56,52 |
| | | Анкерный болт М10x100 | 4 | 0,06 | 7,20 |
| | | Металлическая стойка Ст-3 | 42 | | |
| Ст-2 | GOST 30245-2003 | Профил 3x80x80 L=995 | 1 | 7,03 | 295,46 |
| 1 | GOST 19903-90 | Лист стальной -4x100мм L=100 | 1 | 0,31 | 13,19 |
| 2 | GOST 19903-90 | Лист стальной -6x200мм L=200 | 1 | 1,88 | 79,13 |
| | | Анкерный болт М10x100 | 4 | 0,06 | 10,08 |
| | | Металлическая стойка Ст-4 | 6 | | |
| Ст-2 | GOST 30245-2003 | Профил 3x80x80 L=650 | 1 | 4,60 | 27,57 |
| 1 | GOST 19903-90 | Лист стальной -4x100мм L=100 | 1 | 0,31 | 1,88 |
| 2 | GOST 19903-90 | Лист стальной -6x200мм L=200 | 1 | 1,88 | 11,30 |
| | | Анкерный болт М10x100 | 4 | 0,06 | 1,44 |
| | | Диогоналная нога Дн1 | 4 | | |
| Дн1 | GOST 30245-2003 | Профил 4x80x60 L=16000 | 1 | 127,52 | 510,08 |
| 3 | GOST 19903-90 | Лист стальной -6x80мм L=50 | 1 | 0,19 | 0,75 |
| 4 | GOST 8509-86 | Уголник 50x5мм L=80 | 6 | 0,30 | 7,24 |
| | | Стропила Ср1 | 72 | | |
| Ср1 | GOST 30245-2003 | Профил 4x80x60 L=11650 | 1 | 92,83 | 6683,56 |
| 3 | GOST 19903-90 | Лист стальной -6x80мм L=60 | 2 | 0,23 | 32,56 |
| 4 | GOST 8509-86 | Уголник 50x5мм L=80 | 8 | 0,30 | 173,72 |
| | | Стропила Ср2 | 30 | | |
| Ср1 | GOST 30245-2003 | Профил 4x80x60 L=2850 | 1 | 22,71 | 681,26 |
| 3 | GOST 19903-90 | Лист стальной -6x80мм L=60 | 2 | 0,23 | 13,56 |
| 4 | GOST 8509-86 | Уголник 50x5мм L=80 | 6 | 0,30 | 54,29 |
| | | Нарожник Нр1 | | | |
| Нр1 | GOST 30245-2003 | Профил 4x80x60 п/м L=512.60 | 1 | 7,970 | 4085,42 |
| 4 | GOST 8509-86 | Уголник 50x5мм L=80 | 168 | 0,30 | 50,67 |
| | | Раскос Рс-1 | | | |
| Рс1 | GOST 30245-2003 | Профил 4x80x60 L=3720 | 6 | 29,64 | 177,85 |
| | | Раскос Рс-2 | | | |
| Рс2 | GOST 30245-2003 | Профил 4x80x60 L=4060 | 3 | 32,35 | 97,05 |
| | | Раскос Рс-3 | | | |
| Рс3 | GOST 30245-2003 | Профил 4x80x60 L=3567 | 6 | 28,42 | 170,53 |
| | | Раскос Рс-4 | | | |
| Рс3 | GOST 30245-2003 | Профил 4x80x60 L=3161 | 6 | 25,19 | 151,12 |
| | | Раскос Рс-5 | | | |
| Рс3 | GOST 30245-2003 | Профил 4x80x60 L=975 | 6 | 7,77 | 46,61 |
| | | Раскос Рс-6 | | | |
| Рс3 | GOST 30245-2003 | Профил 4x80x60 L=3070 | 2 | 24,46 | 48,92 |
| | | Мауэрлат Мр1 | | | |
| Мр1 | GOST 30245-2003 | Профил 2x60 п/м L=151.92 | 1 | 3,564 | 541,44 |
| | | Балка Б1 (Прогон) | | | |
| Б1 | GOST 30245-2003 | Профил 3x80 п/м L=263.45 | 1 | 7,073 | 1863,38 |
| | | Обрешетка Об1 | | | |
| Об1 | GOST 32931-2015 | Профил 2x30x40 п/м L=2335.6 | 1 | 2,018 | 4713,24 |
| | | Закладная деталь Зд-1 | 121 | | |
| | ГОСТ 103-2006 | Лист 200x6 L=200 | 1 | 1,88 | 227,96 |
| | ГОСТ 5781-82 | Ф12 А-III L=150 | 4 | 0,13 | 64,47 |
| | | Слуховое окно Со-1 | 6 | | |
| 5 | GOST 30245-2003 | Профил 2x80x40 п/м L=11.4 | 1 | 40,90 | 245,42 |
| 6 | GOST 30245-2003 | Профил 2x30x40 п/м L=18.0 | 1 | 36,32 | 217,94 |

## ТАБЛИЦА ВЫБОРКИ МАТЕРИАЛОВ КРЫЩА

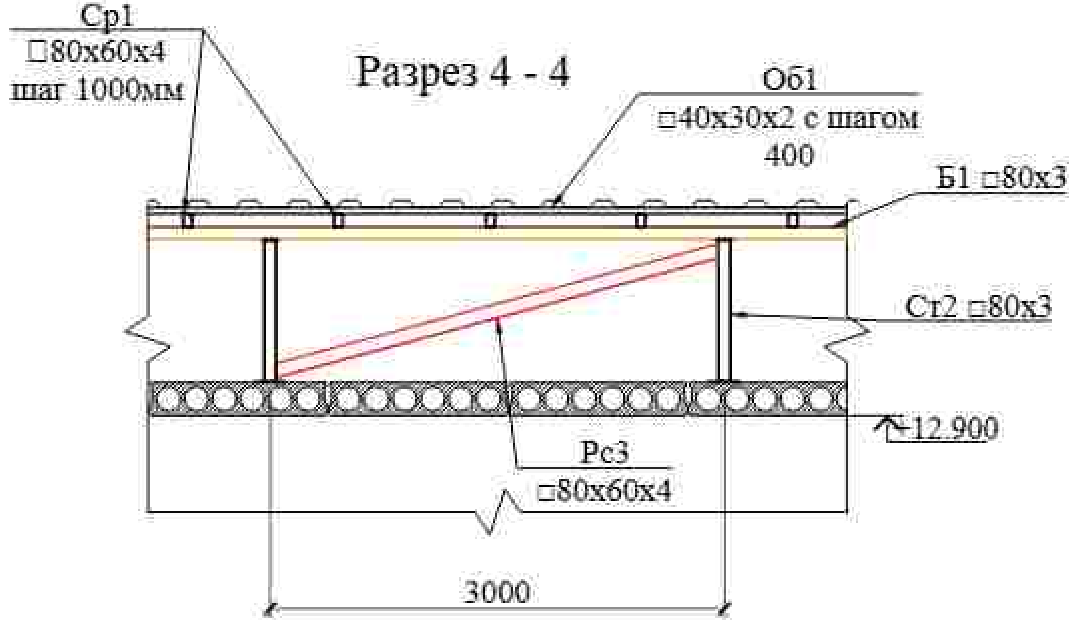
| | | | | |
|---|---|---|---|---|
| | GOST 30245-2003 | Профил 3x80x80mm | 2827.38 | kg |
| | GOST 30245-2003 | Профил 4x80x60 | 12652.41 | kg |
| | GOST 30245-2003 | Профил 2x60x60 | 541.44 | kg |
| | GOST 30245-2003 | Профил 2x30x40 | 4931.18 | kg |
| | GOST 30245-2003 | Профил 2x80x40 | 245.42 | kg |
| | GOST 19903-90 | Лист стальной -4x100мм | 28.26 | kg |
| | GOST 19903-90 | Лист стальной -6x200мм | 397.52 | kg |
| | GOST 19903-90 | Лист стальной -6x80x60мм | 46.87 | kg |
| | GOST 8509-86 | Уголник 50x80x5мм | 285.92 | kg |
| | | Анкерный болт М10x100 (360штук) | 21.60 | kg |
| | GOST 5781-82* | Ф12 А-III | 64.47 | |

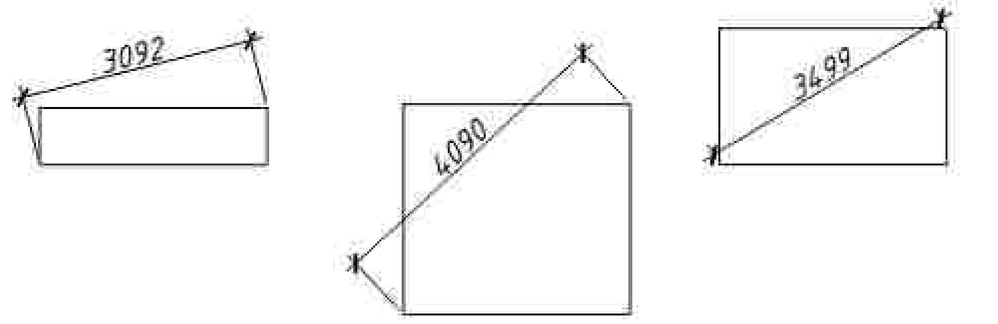


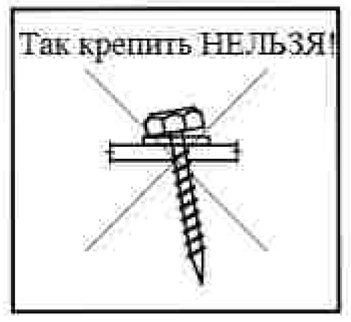
Разрез 3 - 3

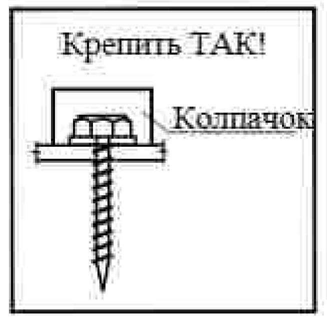


Разрез 4 - 4



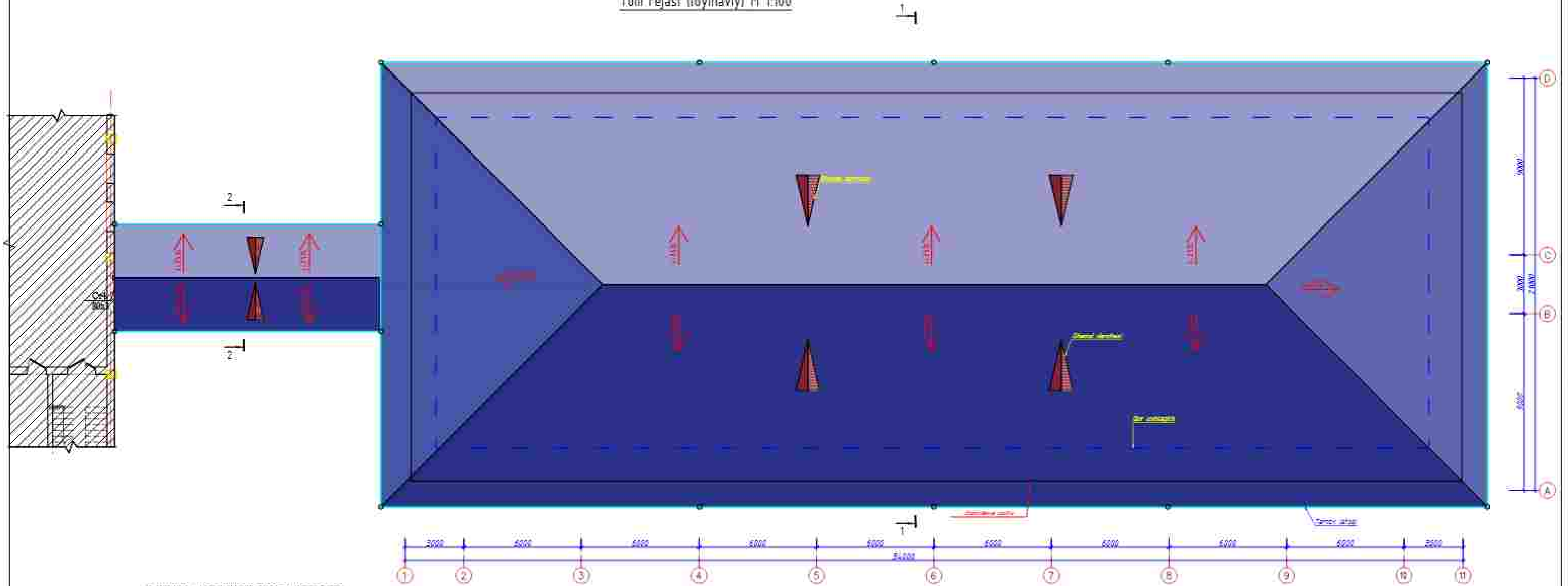






| | | | | |
|---|---|---|---|---|
| | Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | |
| LBM B.Shamsiddinov | D blok | Bosqich | Varoq | Varoqlar |
| Bajardi M.Ne'matjonov | | I.L | 19 | 24 |
| | Tomning elementlari spetsifikatsiyasi | "Sardor Qurilish Maks" MCHJ | | |

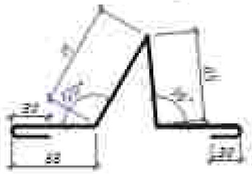
## Tom rejasi (loyihaviy) M 1:100



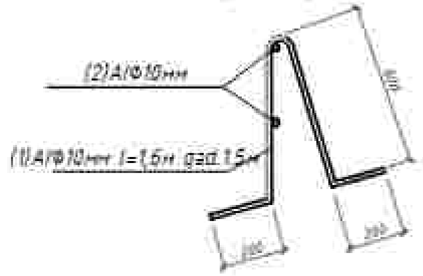
## Tomning elementlari spetsifikatsiyasi

| № п/п | Belgilanishi | Nomlanishi | Soni | Hajmi dona metr | Eslatma m² |
|---|---|---|---|---|---|
| 1 | | Profnastil qalinligi b = 0,51 mm | 1396,45 | | m² |
| 2 | | Tarnov (novnov) | 105,64 | | metr |
| 3 | | Tarnov trubasi | 65,0 | | metr |
| 4 | | Qor ushlagich | 135,0 | | metr |
| 5 | | Konyok | 112,2 | | metr |
| | | Tunikafon qoplama (karniz) | 144,6 | | m² |
| | | Ограждение кровли | | | 278,42kg |
| 1 | GOST 5781-82* | Ф10 AI L=1650 | 99,0 | 0,99 | 97,02kg |
| 2 | GOST 5781-82* | Ф10 AI L=umumiy | 294,0 | 0,617 | 181,4kg |

Qor ushlagich

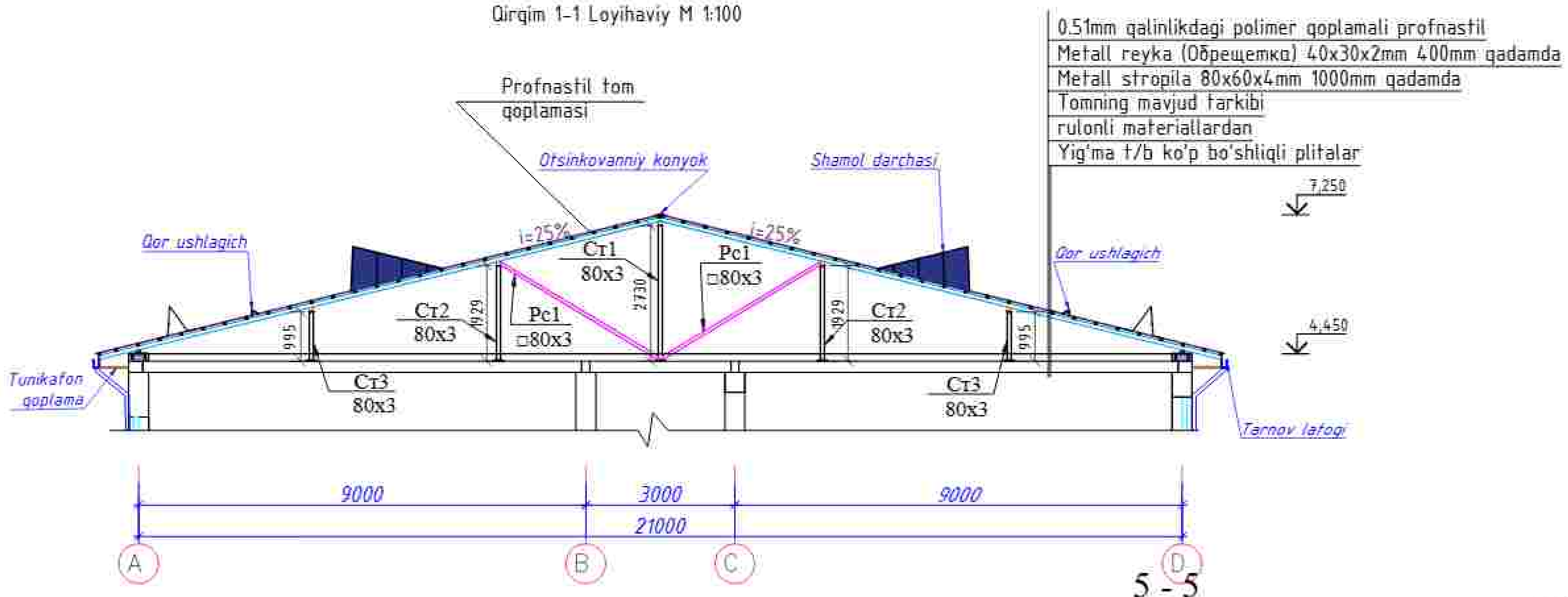


Ограждение кровли

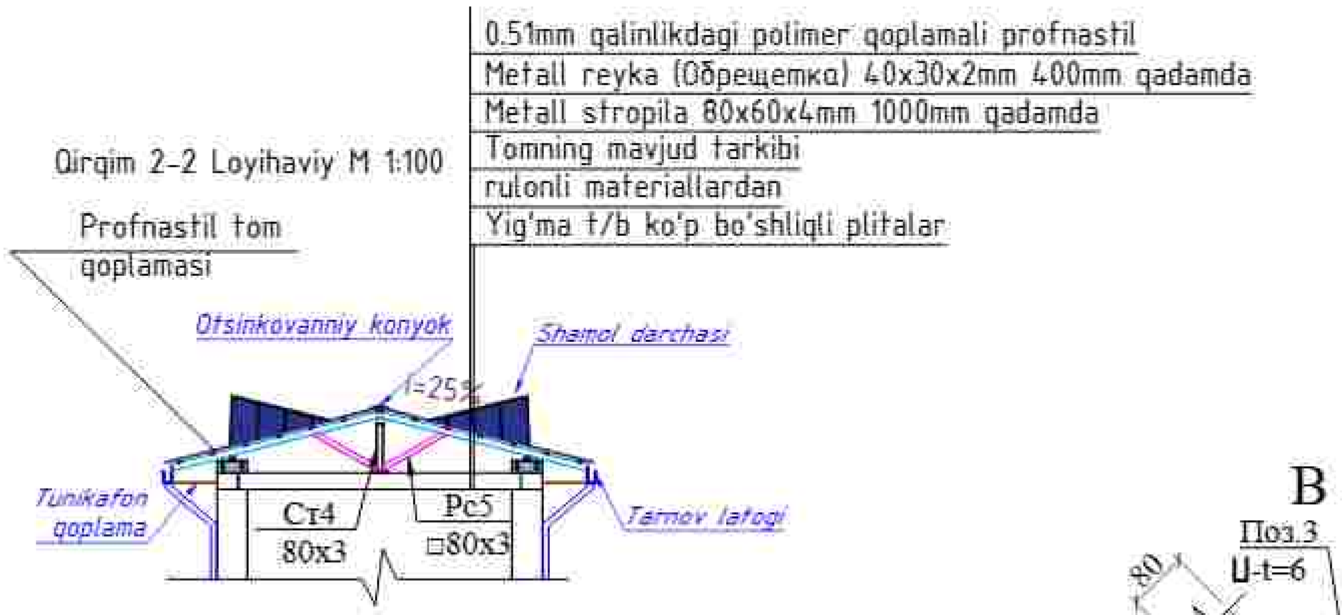


| | | | | | |
|---|---|---|---|---|---|
| Andijon shahridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) | | | | | |
| Loyih. | | | D blok | Bosqich | Varaq | Varaqlar |
| Bajardi | | | | IL | 20 | 24 |
| | | | Tom rejasi loyihaviy | "Sardor Qurilish Meva" MCHJ | | |

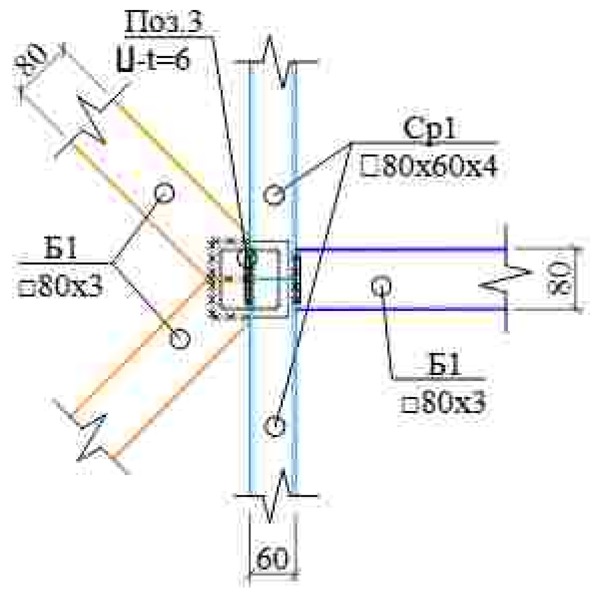
Qirqim 1-1 Loyihaviy M 1:100



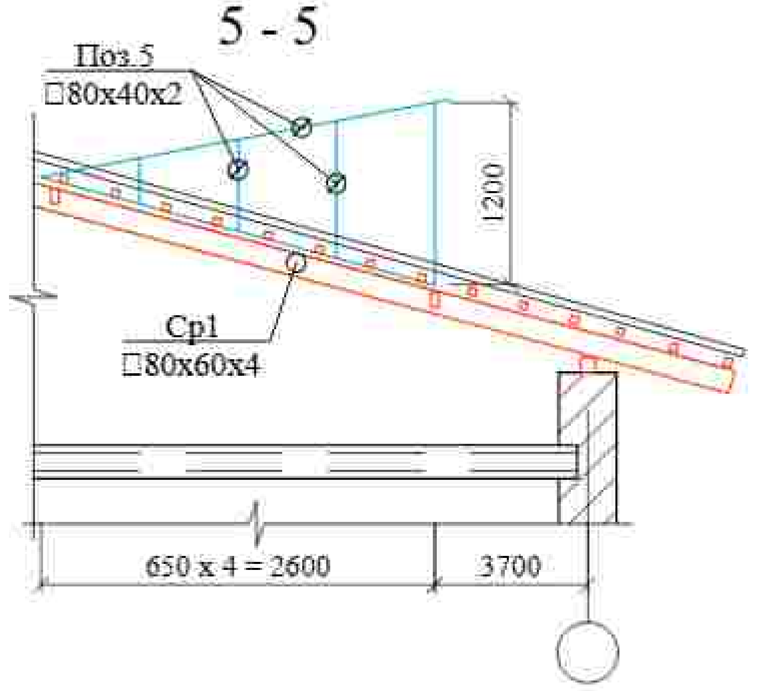
Qirqim 2-2 Loyihaviy M 1:100


0.51mm qalinlikdagi polimer qoplamali profnastil
Metall reyka (Обрещетка) 40x30x2mm 400mm qadamda
Metall stropila 80x60x4mm 1000mm qadamda
Tomning mavjud tarkibi
rulonli materiallardan
Yig'ma t/b ko'p bo'shliqli plitalar
Profnastil tom qoplamasi
Otsinkovanniy konyok
Shamol darchasi
i=25%
Tunikafon qoplama
Tarnov latogi
Ст4 80x3
Рс5 □80x3

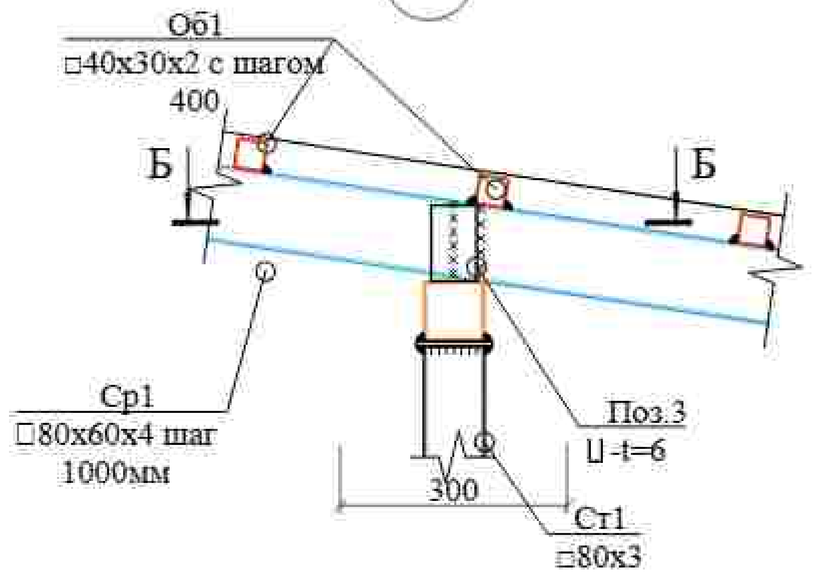
## В - В



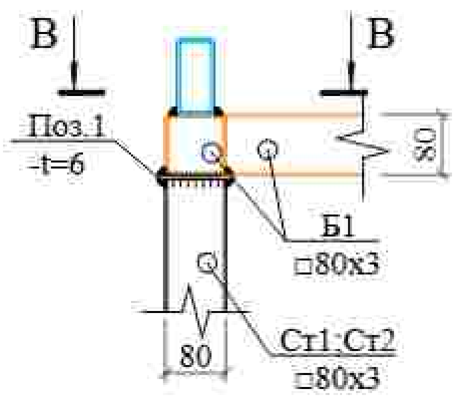
## 5 - 5



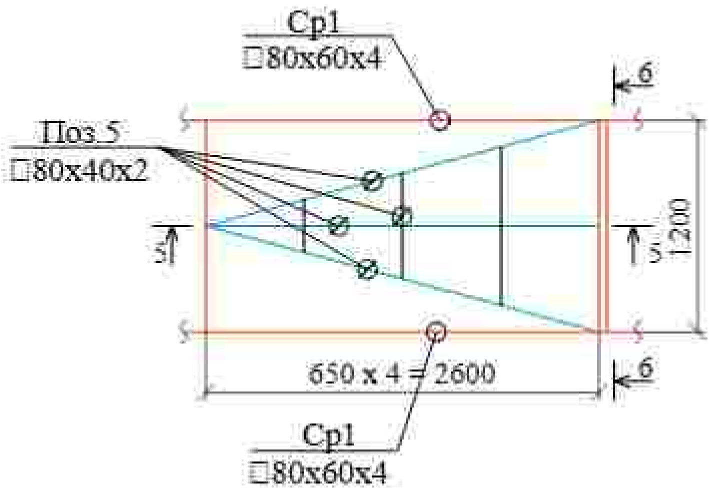
## Б



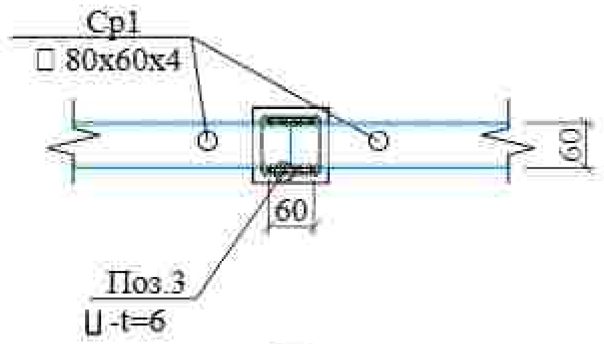
## В



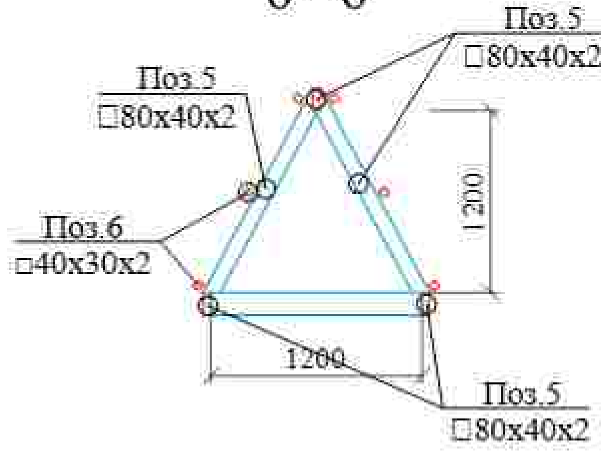
## Слуховое окно CO1



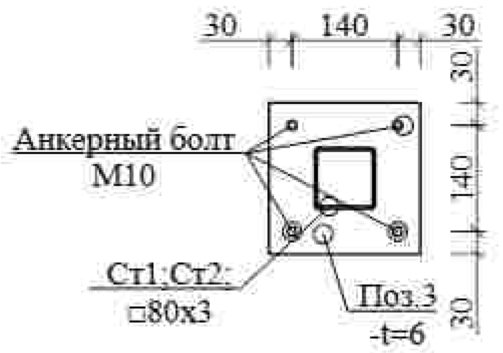
## Б - Б



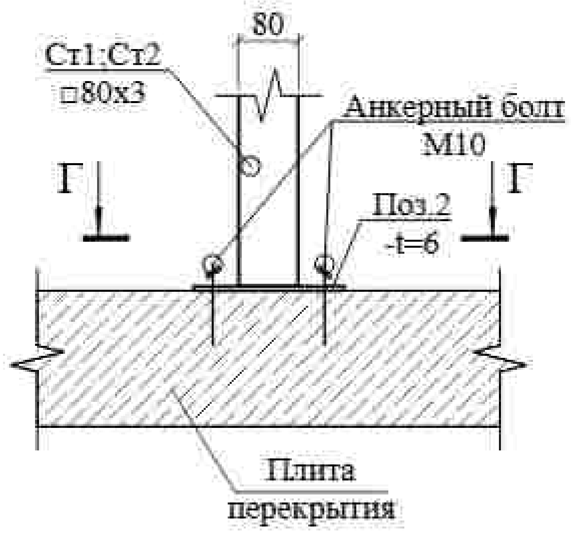
## 6 - 6



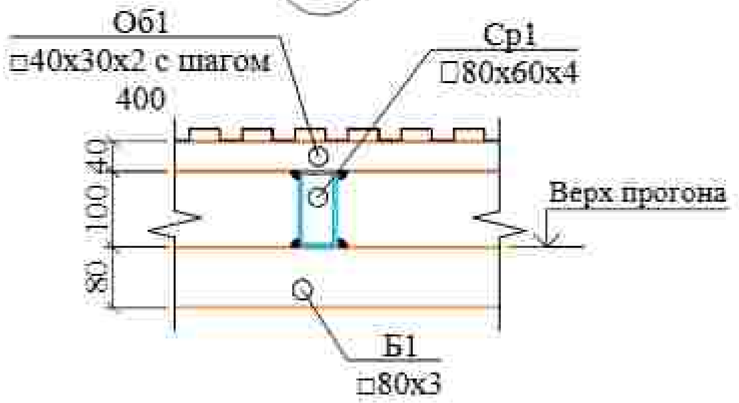
## Г - Г



## Д

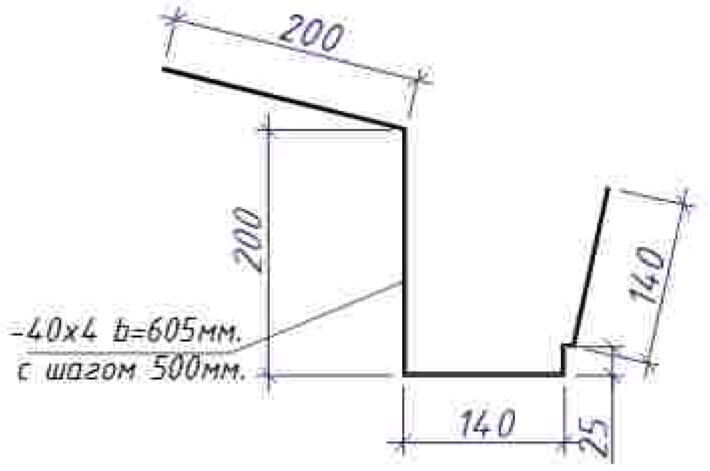


## Г



## Tom elementlari

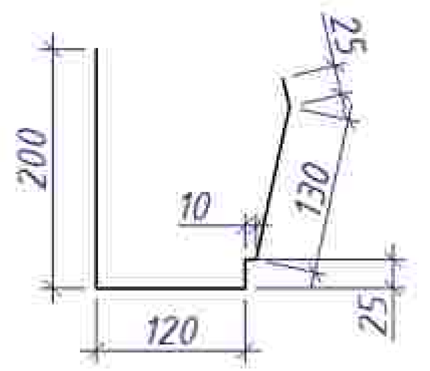
Крепёжный элемент



-40x4 b=605мм.
с шагом 500мм.

Общий расход-42 шт.
(шаг 500мм.)

Водосточный желоб
b=510мм.



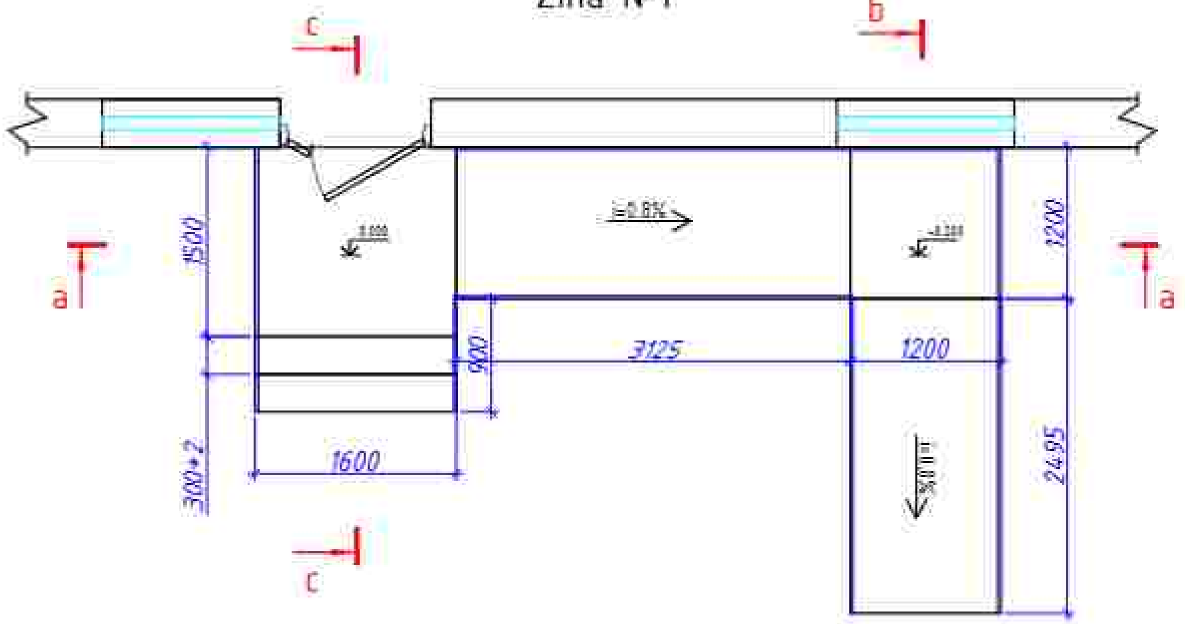
Из оцинкованной стали с полимерным покрытием обеих сторон толщ.0,5мм.
Общая длина 21.0 п/м.
(в т.ч. нахлёст 80мм.)

| | | | |
|---|---|---|---|
| LBM | B.Shamshidinov | | Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish) |
| Bajardi | M.Ne'matjonov | | D blok |
| | | | Tom o'rnatish tugunlari |

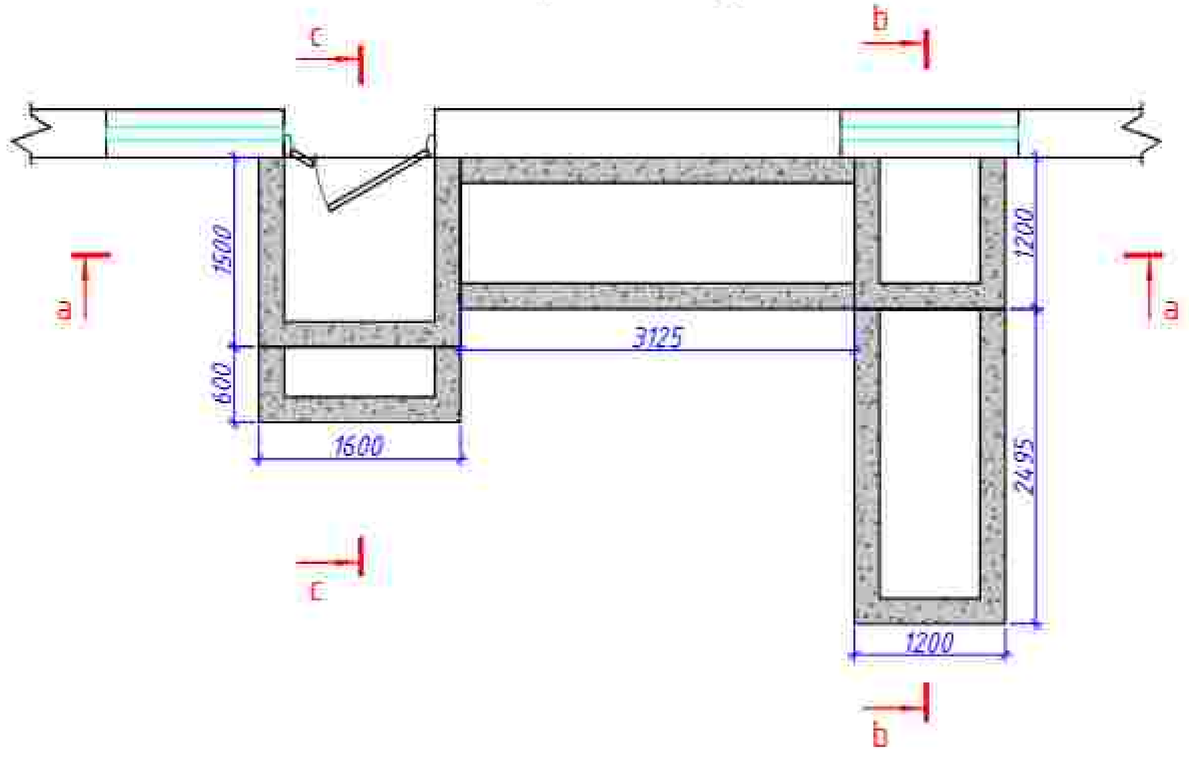
| Bosqich | Varoq | Varoqlar |
|---|---|---|
| I.L | 21 | 24 |

"Sardor Qurilish Maks" MCHJ

## Zina №1

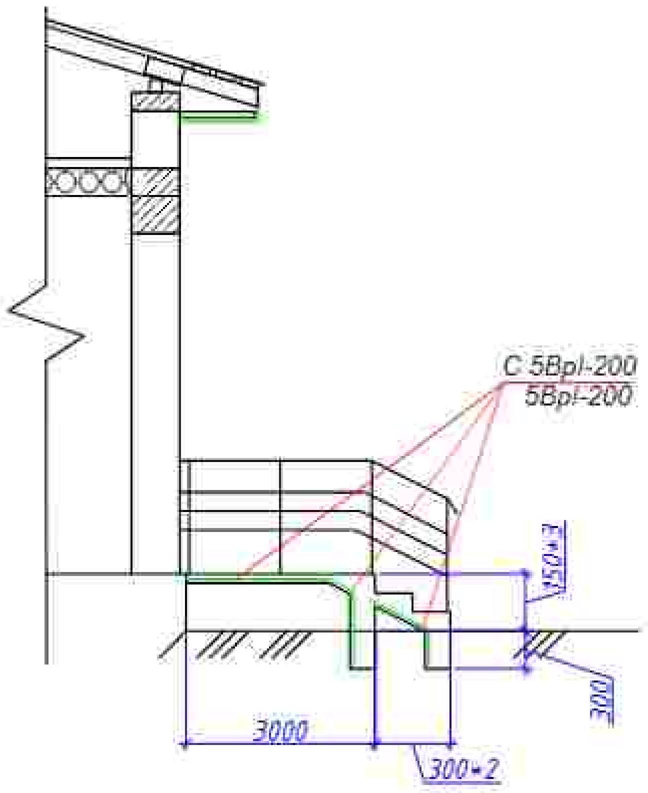


## Zina №1 podevor rejasi



## Zina va asosiy kirish elementlari xarajatlar jadvali

| № | Belgilanishi | Nomlanishi | Soni | Og'irligi kg | Eslatma |
|---|---|---|---|---|---|
| | | Zina №1 | 2 | | dona |
| 1 | | Setka 5Bpl-200<br>5Bpl-200 | 5.25 | 1,54 | 8,09 кг |
| 2 | | B15 sinfli beton | 1,28 | | м³ |
| 3 | | Shag'al tuproq bilan to'ldirish | 1,08 | | м³ |
| 4 | | Sirpanmaydigan keramogranit qoplama | 5,70 | | м² |
| 5 | | Metall Ograjdeniya ОГ1 | 3,00 | | м |
| 6 | | *Zakladnaya detal ЗД1* | 3,00 | 0,67 | 2,01 кг |
| 7 | | *Zakladnaya detal ЗД1* | 0,67 | | |
| 8 | | 80x6 L=80 | 1,00 | 0,30 | 0,30 кг |
| h | | Ф10 A-I L=600 | 1,00 | 0,37 | 0,37 кг |



| | | | |
|---|---|---|---|
| LBM | B.Shamsiddinov | | |
| Bajardi | M.Ne'matjonov | | |

*Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)*

D blok

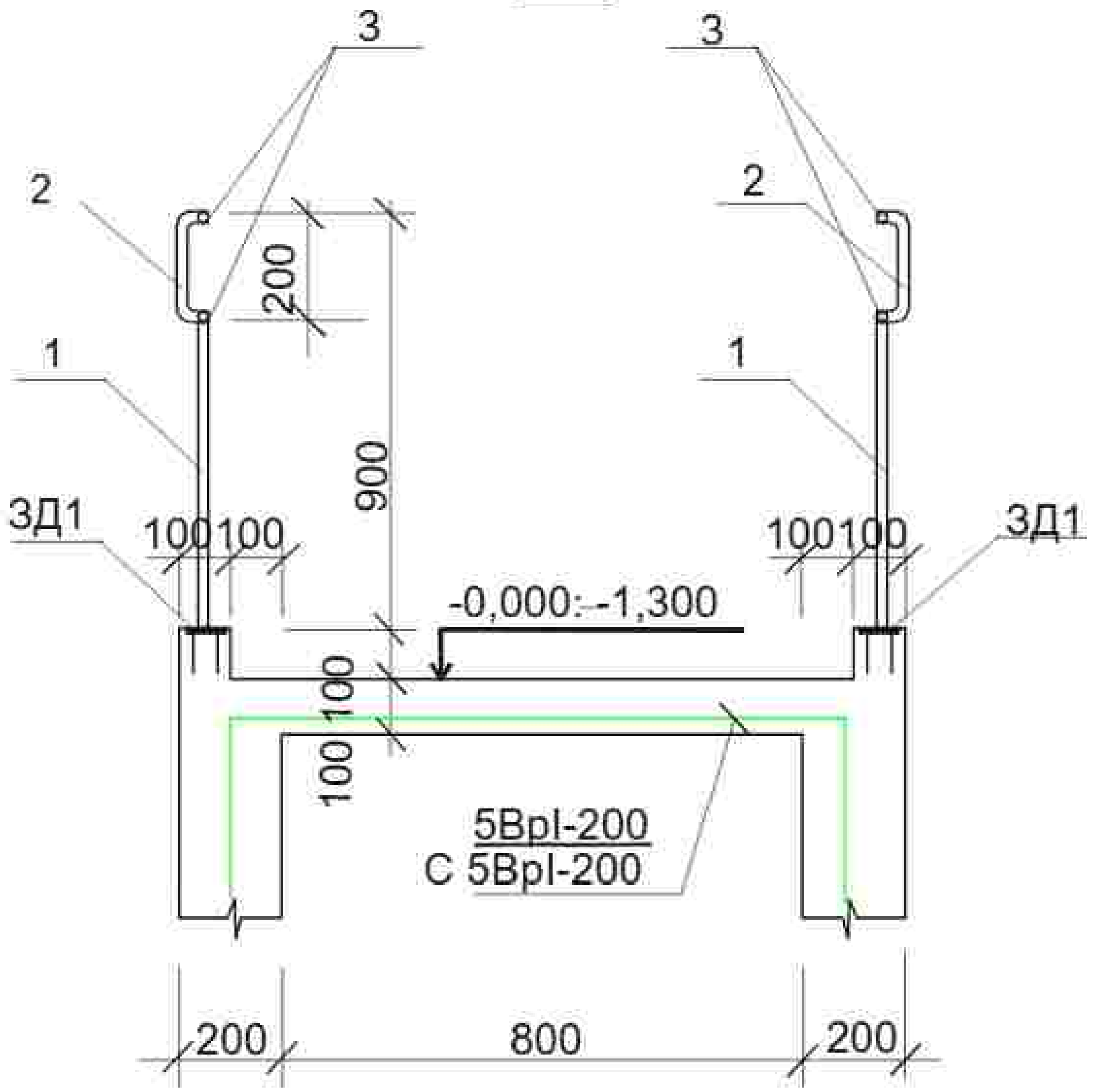
| Bosqich | Varoq | Varoqlar |
|---|---|---|
| I.L | 22 | 24 |

Zina №1 rejasi

*"Sardor Qurilish Maks" MCHJ*

# Pandus rejasi

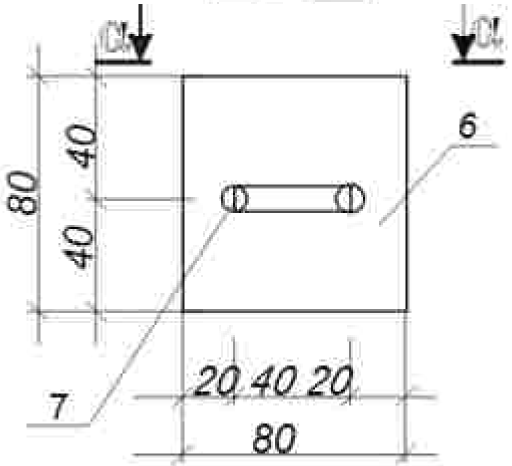
## 2-2



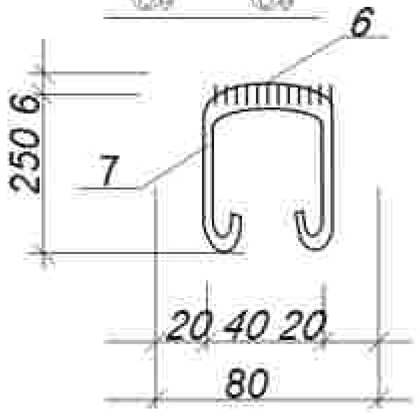
## Pandus

| № | Belgilanishi | Nomlanishi | Soni | Og'irligi kg | Eslatma | |
|---|---|---|---|---|---|---|
| | | Pandus | 2 | | dona | |
| | GOST 8478-81 | Setka $\frac{\text{БBpI-200}}{\text{БBpI-200}}$ | 12,90 | 1,54 | 19,87 | кг |
| | | B15 sinfli beton | 2,40 | | $м^3$ | |
| | | Shag'al tuproq bilan to'ldirish | 3,20 | | $м^3$ | |
| | | Sirpanmaydigan keramogranit qoplama | 10,35 | | $м^2$ | |
| | | Pandus tutqichi | 13,64 | | м | |
| | | Закладная деталь ЗД1 | 14 | 0,67 | 9,14 | кг |
| | | Деталь закладная ЗД1 | 0,67 | | кг | |
| | | -- 80x6 L=80 | 1 | 0,30 | шт | |
| | | Ф10 A-I L=600 | 1 | 0,37 | шт | |

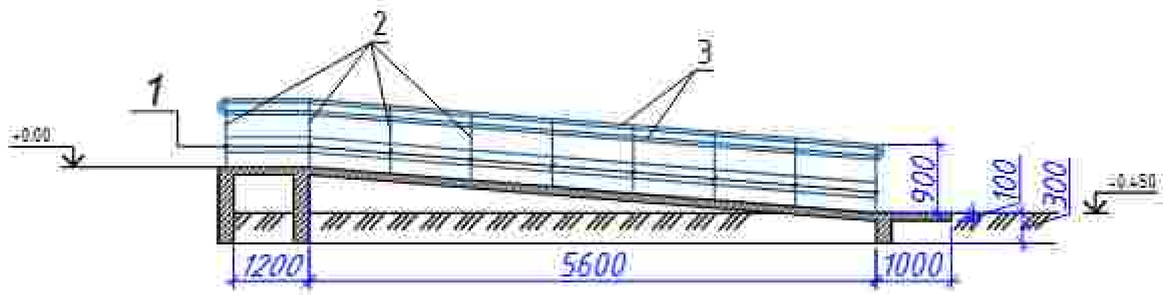
## ЗД1



## а – а



## A - A

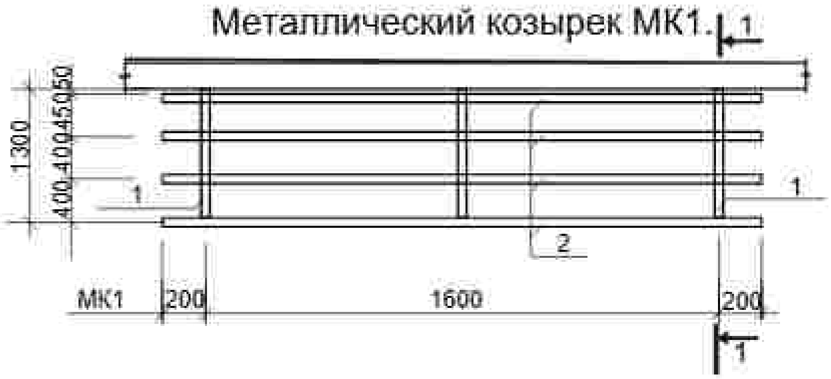


| | | | |
|---|---|---|---|
| LBM | B.Shamshidinov | | |
| Bajardi | M.Ne'matjonov | | |

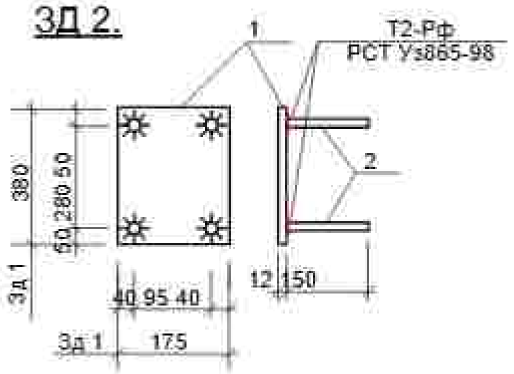
Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)

| | Bosqich | Varoq | Varoqlar |
|---|---|---|---|
| D blok | I.L | 23 | 24 |
| Pandus rejasi | "Sardor Qurilish Maks" MCHJ | | |

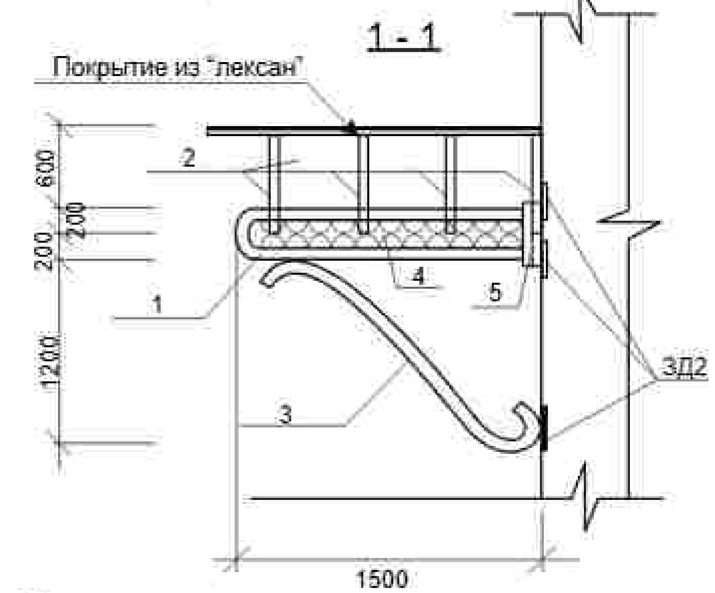
## Металлический козырек МК1.



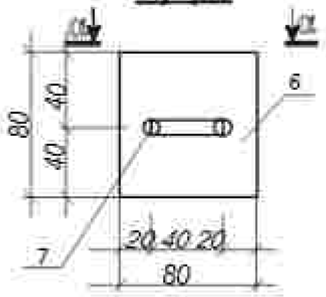
## ЗД 2.

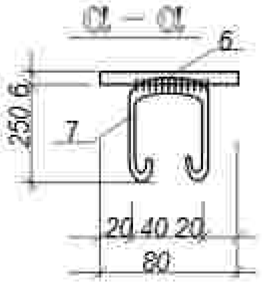


## 1 - 1



## ЗД1





## Zina va asosiy kirish elementlari xarajatlar jadvali

| № | Belgilanishi | Nomlanishi | Soni | Og'irligi kg | Eslatma | |
|---|---|---|---|---|---|---|
| | | *Металлич козырек МК1* | 2 | | шт | |
| | | *Закладная деталь ЗД2* | 8 | 0,55 | 4,40 | кг |
| | | МК1 | | 55,67 | | |
| 1 | | *Труба Ф32х2.5 L=3000* | 3 | 5,46 | 16,37 | кг |
| 2 | | *Труба Ф25х2.5 L=2000* | 4 | 2,77 | 11,10 | кг |
| 3 | | *Труба Ф32х2.5 L=2300* | 2 | 4,18 | 8,37 | кг |
| 4 | | Полоса 30х4 L=общ | 16 | 0,94 | 15,04 | кг |
| 5 | | Уголок 63х5 L=500 | 2 | 2,40 | 4,80 | кг |
| | | *Покрытие из "ПРОФНАСТИЛА"* | | 3,36 | м² | |
| | | | | | | |
| | | *Закладная деталь ЗД2* | | 0,55 | | |
| | | — 80х6 L=80 | 1 | 0,30 | шт | |
| | | Ф10 A-I L=600 | 1 | 0,25 | 0.25 | |

| | | | | | |
|---|---|---|---|---|---|
| | | | *Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)* | | |
| *LBM* | B.Shamshidinov | | D blok | Bosqich | Varoq | Varoqlar |
| | | | | I.L | *24* | 24 |
| *Bajardi* | M.Ne'matjonov | | | | | |
| | | | Metal kazerok | *"Sardor Qurilish Maks" MCHJ* | | |