

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

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni mustashtirish) 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 obyekti bo'lgan huquqlarni davlat ro'yxatidan o'tkazilganligi to'g'risidagi 16.07.2026-yildagi №: RANDES53039342-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.

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

<i>List</i>	<i>NOMI</i>	<i>Eslatma.</i>
1	Umumiy ma'lumot	AQ1
2	Mavjud devorda to'ldirish joylari rejasi	AQ2
3	Mavjud devorda buzish ishlari rejasi	AQ3
4	Mavjud bino Qirqim 1-1	AQ4
5	Mavjud bino Tom qismi	AQ5
6	Devor rejasi (loyihaviy)	AQ6
7	Qirqim 1-1 (loyihaviy)	AQ7
8	Eshik va deraza bloklari (mavjud)	AQ8
9	Eshik va deraza bloklari (loyihaviy)	AQ9
10	Ichki pardozlash jadvali	AQ10
11	Pol rejasi (loyihaviy)	AQ11
12	"A va D" o'qida "1-11" o'qlari bo'ylab fasad ko'rinishi	AQ12
13	"A va D" o'qida "1-11" o'qlari bo'ylab issiqlik qoplamalari joylashtirish rejasi	AQ13
14	Uzellar-1, 2, 3, 4.	AQ14
15	Parda devorlarni mustaxkamlash elementlari	AQ15
16	Devorlarni mustaxkamlash elementlari	AQ16
17	Paraped rejasi	AQ17
18	Tom elementlari joylashuvi rejasi (loyihaviy)	AQ18
19	Tomning elementlari spetsifikatsiyasi	AQ19
20	Tom rejasi loyihaviy	AQ20
21	Tom o'rnatish tugunlari	AQ21
22	Zina №1 rejasi	AQ22
	Pandus rejasi	AQ23
	Metal kazerok	AQ24

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 qalindlikdagi basalt plitalari orqali issiqlik izolyatsiya ximoyasi amalga oshiriladi.

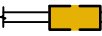
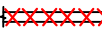
Loyiha bosh muhandisi:  Shamshidinov B.

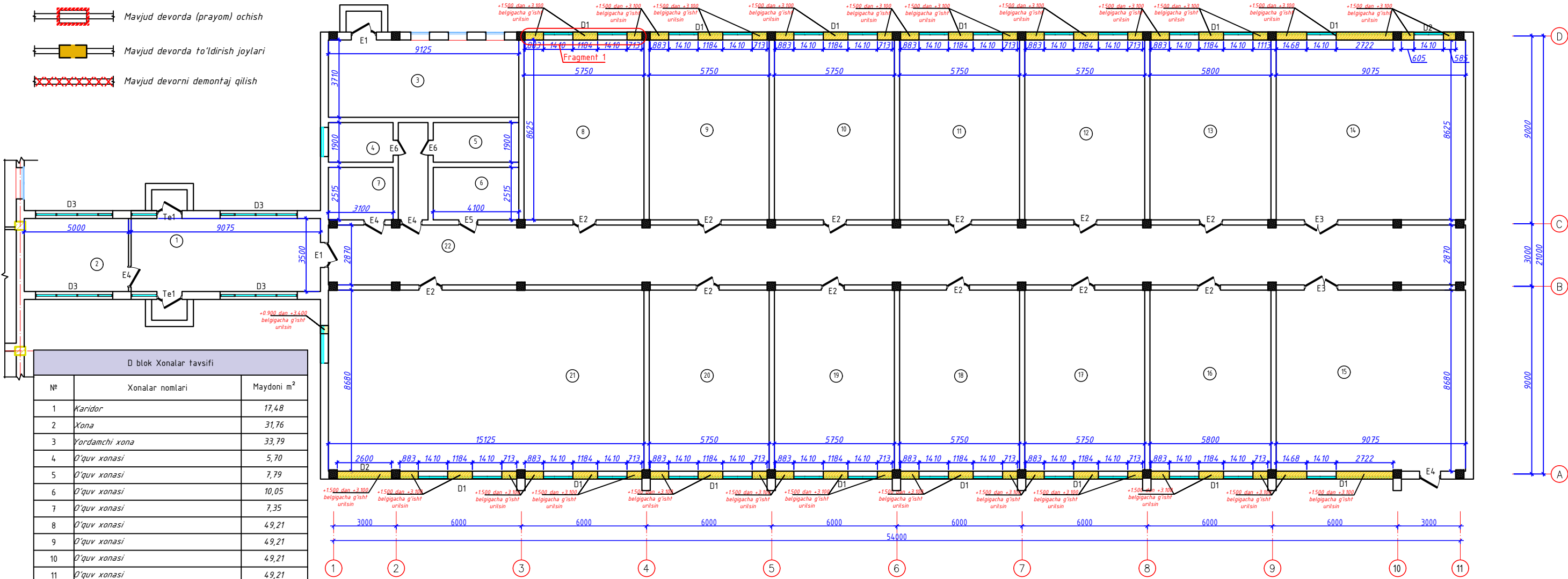
Qurilish inshootlarini korroziyadan himoya qilish KMK 2.03.11-96 ga muvofiq amalga oshiriladi. 1. Bino tomlarining metall konstruksiyalari zanglash va yemirilishga qarshi antikorroziyovni vositalari yordamida himoyalaniib Inshootning metall konstruksiya ulash qismlari PF-20 GOST18.186-79 emal astar bo'yog'i bilan ishlov berilib, PF-115 emal bo'yog'i bilan 2 marta qoplasin.

[illegible]

Mavjud devorda to'ldirish joylar rejasi M 1:100

Shartli belgilar.

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

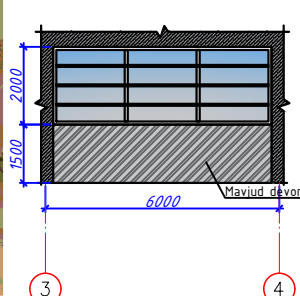


D blok Xonalar tavsifi

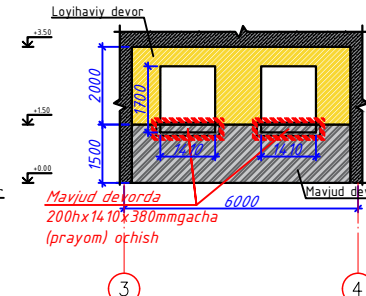
Nº	Xonalar nomlari	Maydoni m²
1	Koridor	17,48
2	Xona	31,76
3	Yordamchi xona	33,79
4	O'quv xonasi	5,70
5	O'quv xonasi	7,79
6	O'quv xonasi	10,05
7	O'quv xonasi	7,35
8	O'quv xonasi	49,21
9	O'quv xonasi	49,21
10	O'quv xonasi	49,21
11	O'quv xonasi	49,21
12	O'quv xonasi	49,21
13	O'quv xonasi	49,63
14	O'quv xonasi	77,62
15	O'quv xonasi	77,62
16	O'quv xonasi	49,63
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	129,37
22	Yo'lak	148,01
Jami:		1098,7



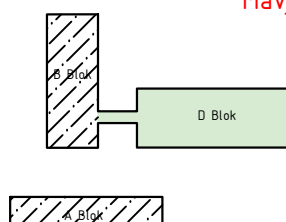
Mavjud deraza qismi



Loyihaviy deraza qismi



Bloklash sxemasi



Eslatma

Avtoklavniy gazoblok g'isht urish (ЗАПОЛНЕНИЕ ПРОЕМА)
600x400x400mm - 46.0м³ (480-dona)
Mavjud devordan deraza uchun prayom ochish - 3.1 м³

						<i>Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)</i>			
						D blok	Bosqich	Varoq	Varoqlar
							I.L	2	24
						<i>Mavjud devorda to'ldirish joylari rejasi</i>	<i>"Sardor Qurilish Maks" MCHJ</i>		
					</				

Architectural floor plan of a two-story building. The plan shows a rectangular layout with a central corridor and rooms on both floors. Rooms are numbered 1 through 22. Dimensions are provided in millimeters. Red dashed boxes highlight specific areas, and red text labels them as "Maviud devorda 2600hx1000x250mmgacha (prayom) ochish" (Blue door 2600x1000x250mm with fire protection). The plan includes a scale bar and a north arrow.

Room Numbers and Dimensions:

- Room 1: 3000 x 6000
- Room 2: 6000 x 6000
- Room 3: 6000 x 6000
- Room 4: 6000 x 6000
- Room 5: 6000 x 6000
- Room 6: 6000 x 6000
- Room 7: 6000 x 6000
- Room 8: 6000 x 6000
- Room 9: 6000 x 6000
- Room 10: 6000 x 6000
- Room 11: 3000 x 6000

Other Dimensions:

- Overall width: 54000
- Overall height: 8680
- Room 12: 5750 x 5750
- Room 13: 5750 x 5750
- Room 14: 5750 x 5750
- Room 15: 5750 x 5750
- Room 16: 5750 x 5750
- Room 17: 5750 x 5750
- Room 18: 5750 x 5750
- Room 19: 5750 x 5750
- Room 20: 5750 x 5750
- Room 21: 5750 x 5750
- Room 22: 5750 x 5750

D blok Xonalar tavsifi		
Nº	Xonalar nomlari	Maydoni m²
1	Karidor	17,48
2	Xona	31,76
3	Yordamchi xona	33,79
4	O'quv xonasi	5,70
5	O'quv xonasi	7,79
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	49,63
14	O'quv xonasi	77,62
15	O'quv xonasi	77,62
16	O'quv xonasi	49,63
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	Kufubxona	129,37
22	Yo'lak	148,01
	Jami:	1088,7



3 Blok

D

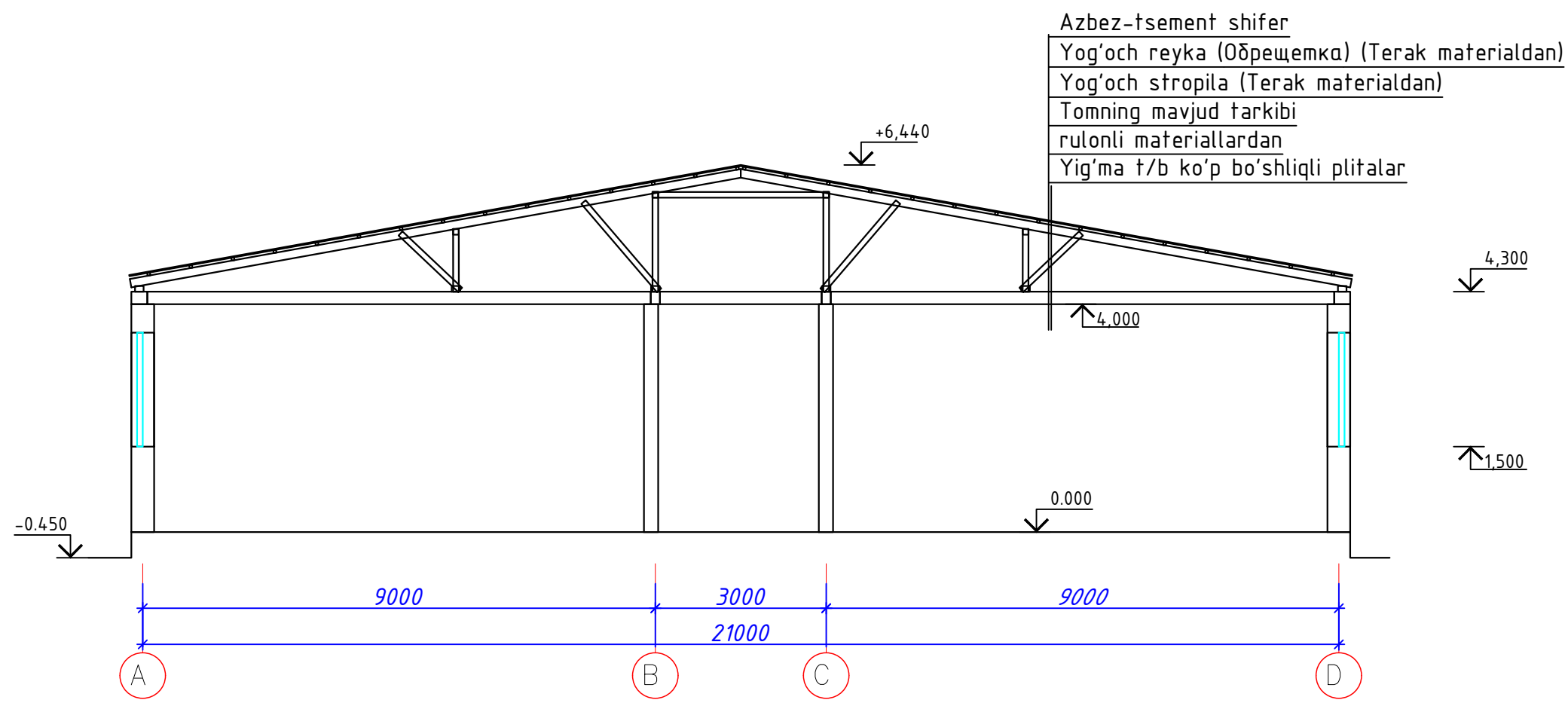
Разборка существующие пол керамическая плитка – 37.49 м²

3.Ushbu varoq AQ - 4 devor rejasi (loyihaviy) varoqlari bilan birgalikda o'qilsin.

Mavjud Gipsokarton buzish - 10.5m²

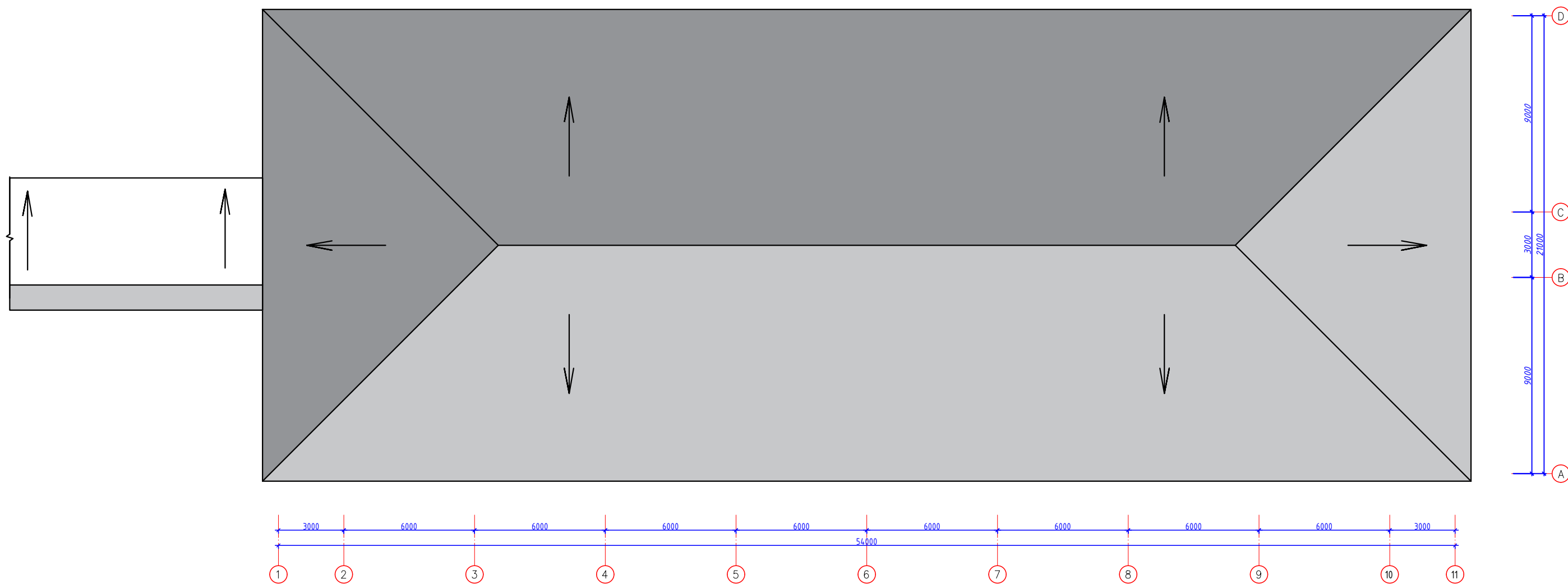
[illegible]

Qirgim 1-1 (Mavjud) M 1:100



						Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)			
						D blok	Bosqich	Varoq	Varoqlar
							I.L	4	24
LBM		B.Shamshidinov				Mavjud bino Qirgim 1-1		"Sardor Qurilish Maks" MCHJ	
Bajardi		M.Ne'matjonov							

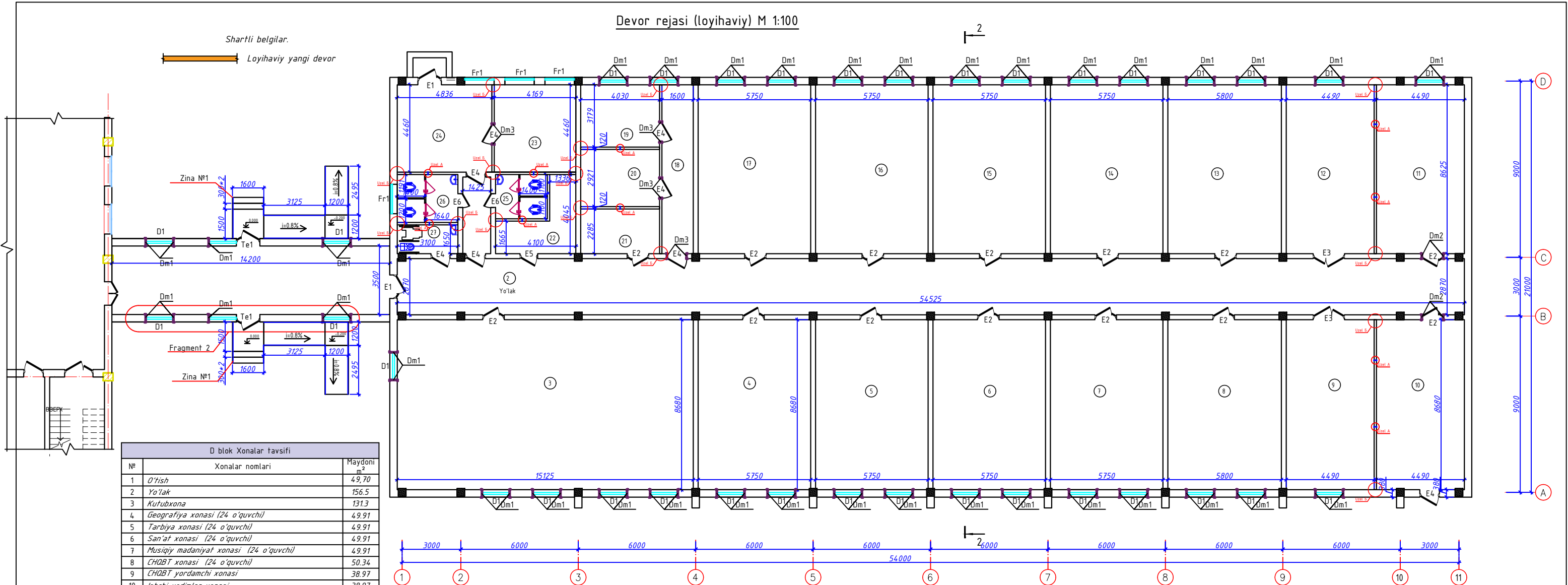
Tom rejasi (mavjud) M1:100

[illegible]

Devor rejasi (loyihaviy) M 1:100

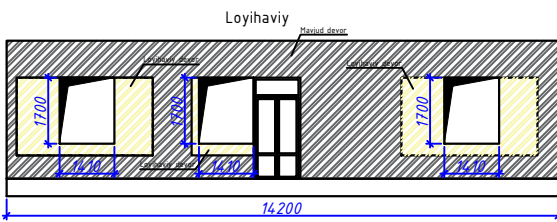
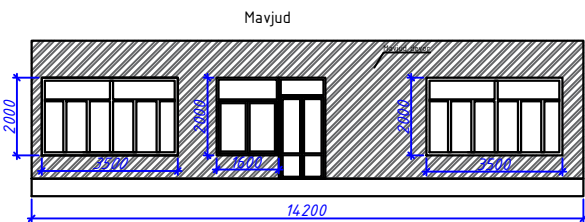
Shartli belgilar.

Loyihaviy yangi devor

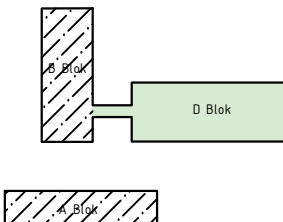


D blok Xonalar tavsifi		
Nº	Xonalar nomlari	Maydoni m ²
1	O'tish	49.70
2	Yo'lak	156.5
3	Kutubxona	131.3
4	Geografiya xonasi (24 o'quvchi)	49.91
5	Tarbiya xonasi (24 o'quvchi)	49.91
6	San'at xonasi (24 o'quvchi)	49.91
7	Musiqiy madaniyat xonasi (24 o'quvchi)	49.91
8	CHQBT xonasi (24 o'quvchi)	50.34
9	CHQBT yordamchi xonasi	38.97
10	Ishchi xodimlar xonasi	38.97
11	Sciense xonasi (12 o'quvchi)	38.73
12	Sciense xonasi (12 o'quvchi)	38.73
13	Mustaqil shug'ullanuvchilar uchun xona	50.03
14	Koworking 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	13.80
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	21.57
25	San.Uzel	5.98
26	San.Uzel	7.60
27	NBSH San.Uzel	5.12
	Jami	1107.9

Fragment 2



Bloklash sxemasi



Avtoklavniy gazoblok g'isht urish (pardadevor)
600x300x120mm - 6.12m³ (51.0m² 284-dona)

Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)			
D blok		Bosqich	Varoq
Devor rejasi (loyihaviy)		I.L	6
		Varoqlar	24
		"Sardor Qurilish Maks" MCHJ	

Profnastil tom
qoplamasi

Profnastil tom
qoplamasi

Shamol darchasi

Qor ushlagich

*Osmo shift
gipsokarton
va natyajnoy*

Tunikafon qoplama

$$\underline{-0.450}$$

0.000

0.000

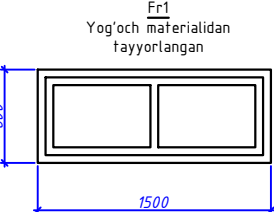
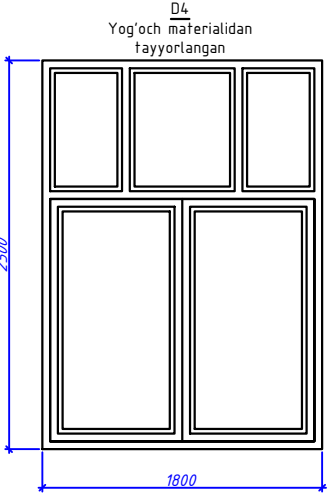
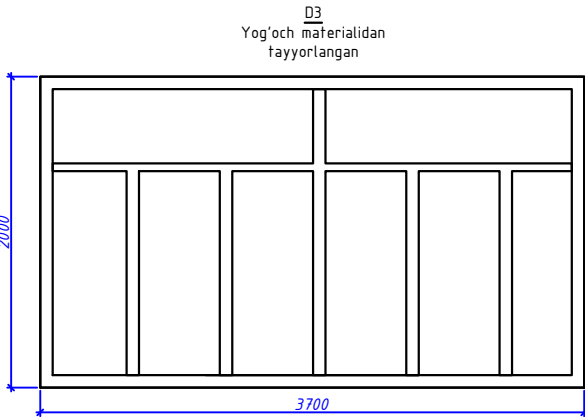
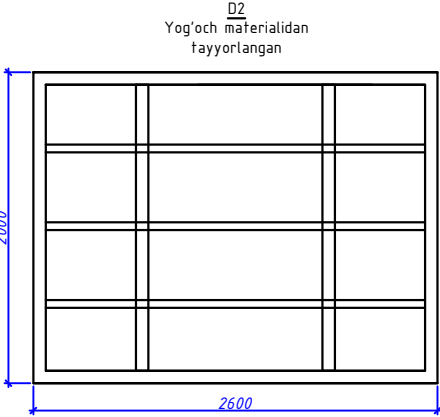
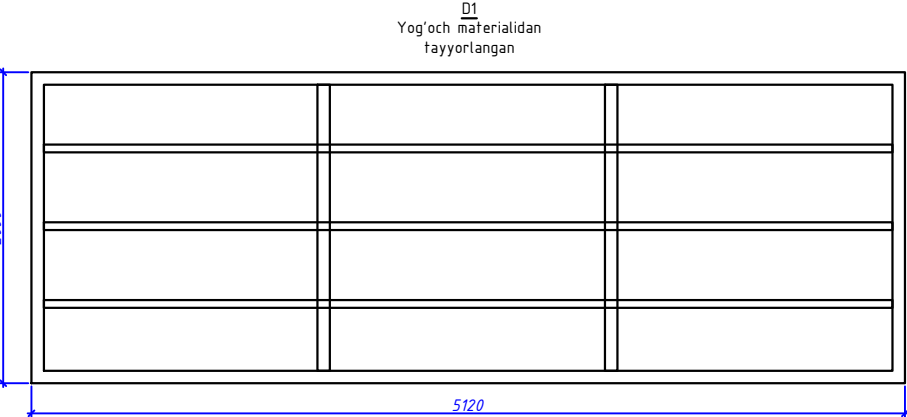
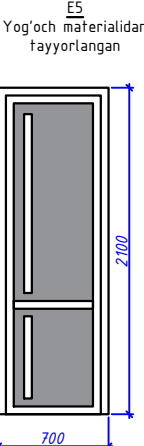
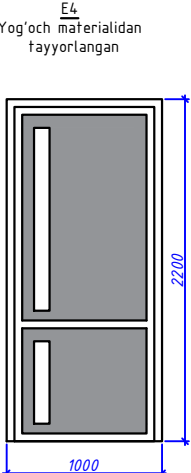
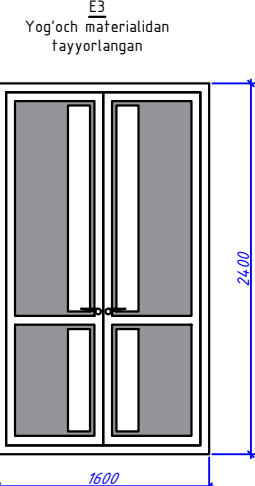
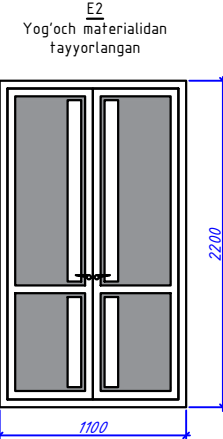
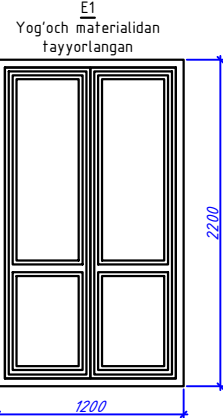
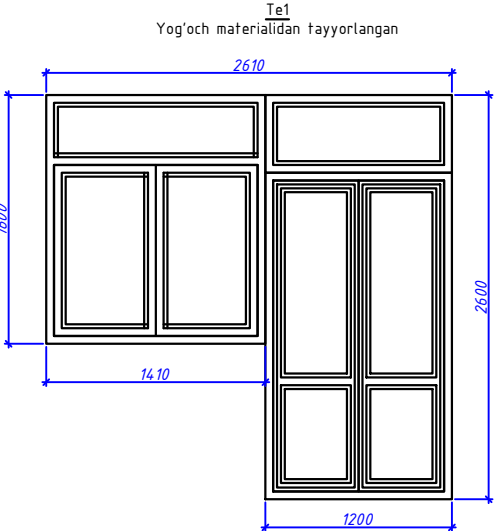
$$\frac{3000}{21000}$$

9000

D

[illegible]

Eshik va romlar rejası
(loyihaviy)



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

[illegible]

Te1
Alyumin material dan
tayyorlangan

2610

2600

1410

1200

E1
Alyumin materialdan
tayyorlangan

The drawing shows a double door with two panels. Each panel has a large upper section and a smaller lower section. The upper sections are filled with a blue-to-white gradient. The lower sections are white. A central handle is visible between the two panels. Blue dimension lines indicate a width of 1200 and a height of 2200.

E2
MDF materialdan tayyorlangan
RSTUz 670-96



2200

1200

E3
MDF materialdan tayyorlangan
RSTUZ 670-96



2072

1600

E4
MDF materialdan tayyorlangan
RSTUz 670-96



2100

900

E5
Plastik materialdan
RSTUZ 699-96

1000

2200

E6
Plastik materialdan
RSTUZ 699-96

2100

700

D1
Plastik materialdan
RSTUz 699-96

1700

1410

The drawing shows a window unit with a blue header and two grey vertical panes. Blue dimension lines indicate a height of 1700 and a width of 1410.

Fr1
Plastik materialdan
RSTUz 699-96



600

1500

Loyixaviy eshik va romlar								
Nº	Material	Nomlanishi	Soni	m ² 1 um	Eslatma			
	Eshik bloklari.							
Te1	Alyumin materialdan tayyorlangan	Eshik derazasi bilan	1200 1500	x x	2600 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
	Подоконные доски пластиковые							
	Индивидуал. изготовление	плита 30 x 250 L= общ.	54					метр

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

[illegible]

[illegible]

A linear chromosome is shown with 11 genes labeled 1 through 11 in red circles. The distances between the genes are indicated by blue arrows above the chromosome line. The distances are: 3000 between genes 1 and 2, 6000 between 2 and 3, 6000 between 3 and 4, 6000 between 4 and 5, 6000 between 5 and 6, 6000 between 6 and 7, 6000 between 7 and 8, 6000 between 8 and 9, 6000 between 9 and 10, and 3000 between 10 and 11. A total distance of 54000 is indicated by a blue arrow below the chromosome line, spanning from gene 1 to gene 11.

11	Science xonasi (12 o'quvchi)	38.73
12	Science xonasi (12 o'quvchi)	38.73
13	Mustaqil shug'ullanivchilar uchun xona	50.03
14	Koworking xonasi	49.59
15	Startap xonasi	49.59
16	Startap xonasi	49.59
17	O'quvchi va xodimlar uchun garderoab	49.59
18	Yo'lak	13.80
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

[illegible]

"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 qatlinligi $\delta=50$ mm bazalt
tolali mineral plita qoplamalari

Travertin qatlami 3 mm.

Podakonnik tunika
ofsinkovanniy stal 0,7mm

Mustahkamlovchi setka
shisha tolali 1 qatlam

Sokol
keramogranit

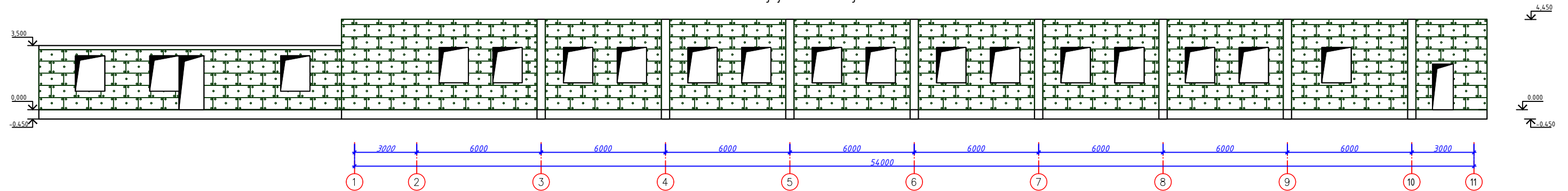
Tashqi devor qalinligi 380 mm
Mavjud tashqi suvoq ustidan tashqi issiqlik qatlami
Bazalt tolali plita qalinligi 50mm
Mineralni plitani mahkamlash uchun dyubel zont
yopishtiruvchi qorishma 7-10mm qalinlikda
Suvoqni mustahkamlovchi to'r 1 qatlam
Polimer to'rni yopishtiruvchi
gipsning asosiy qatlami - 3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

Dubel to'plami
turi DC-1

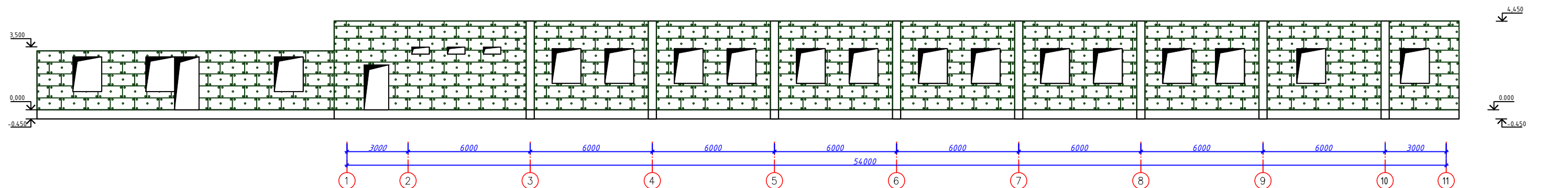
Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)				
D blok		Bosqich	Varoq	Varoqlar
		I.L	12	24
"A va D" o'qida "1-11" o'qlari bo'ylab fasad ko'rinishi		"Sardor Qurilish Maks" MCHJ		

[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

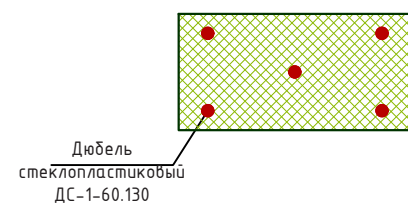
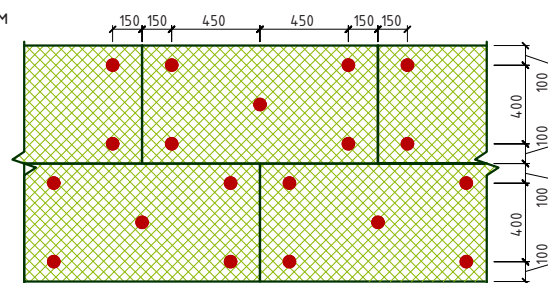


Схема крепления плит утеплителя
стеклопластиковым Дюбелем



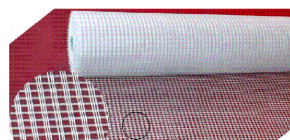
Устройство штукатурки из клеевого раствора с щелочестойкой сеткой.



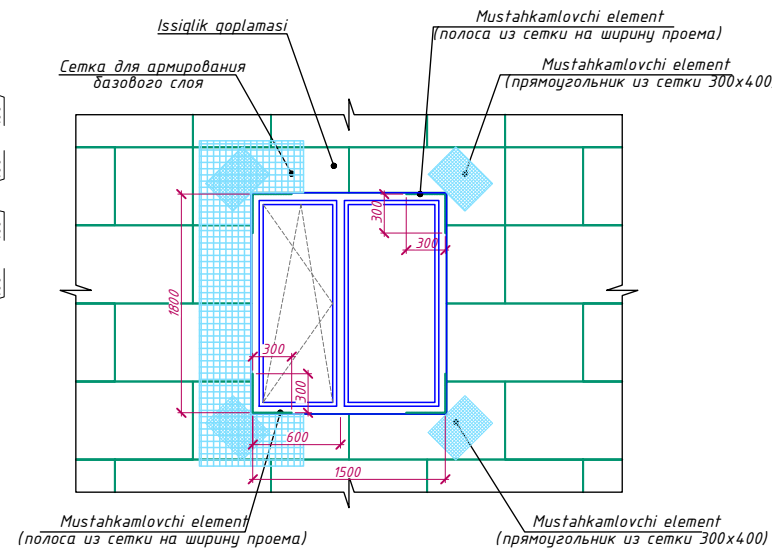
Монтаж плит утеплителей.



С - 1
Фасадная сетка щелочестойкая



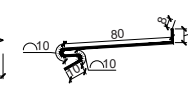
Fragment -1.



9
Шүрүп по металлу

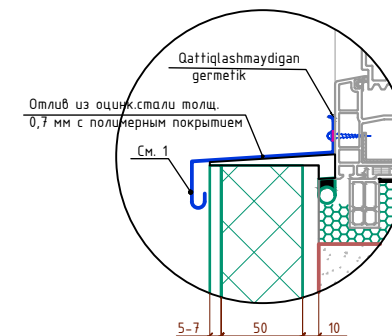


Поз.2 Оконный слив

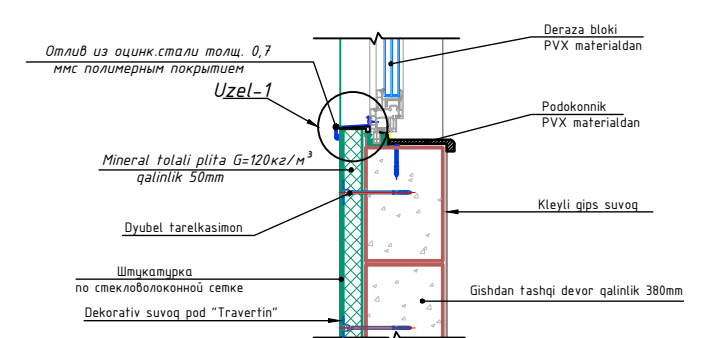


10
керный болт

Uzel-1

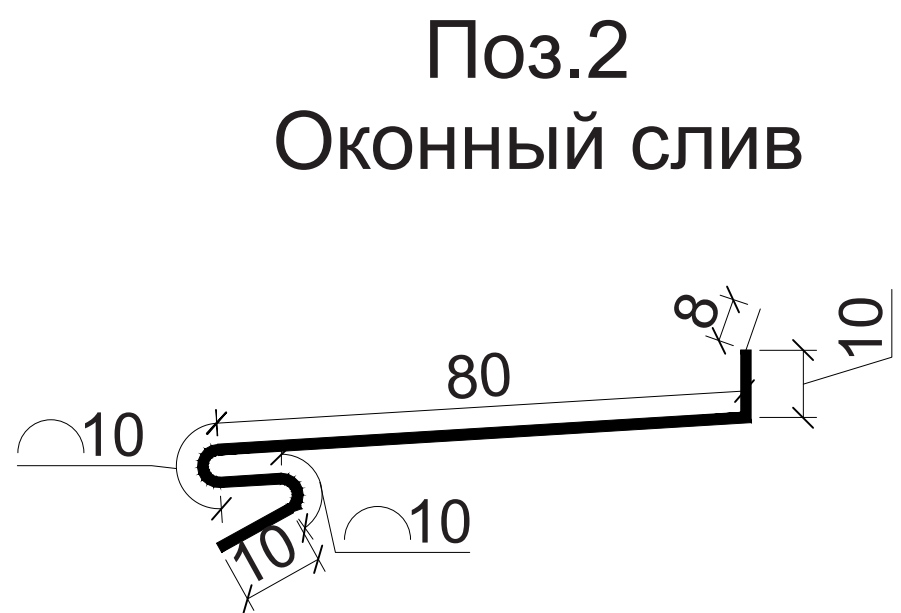
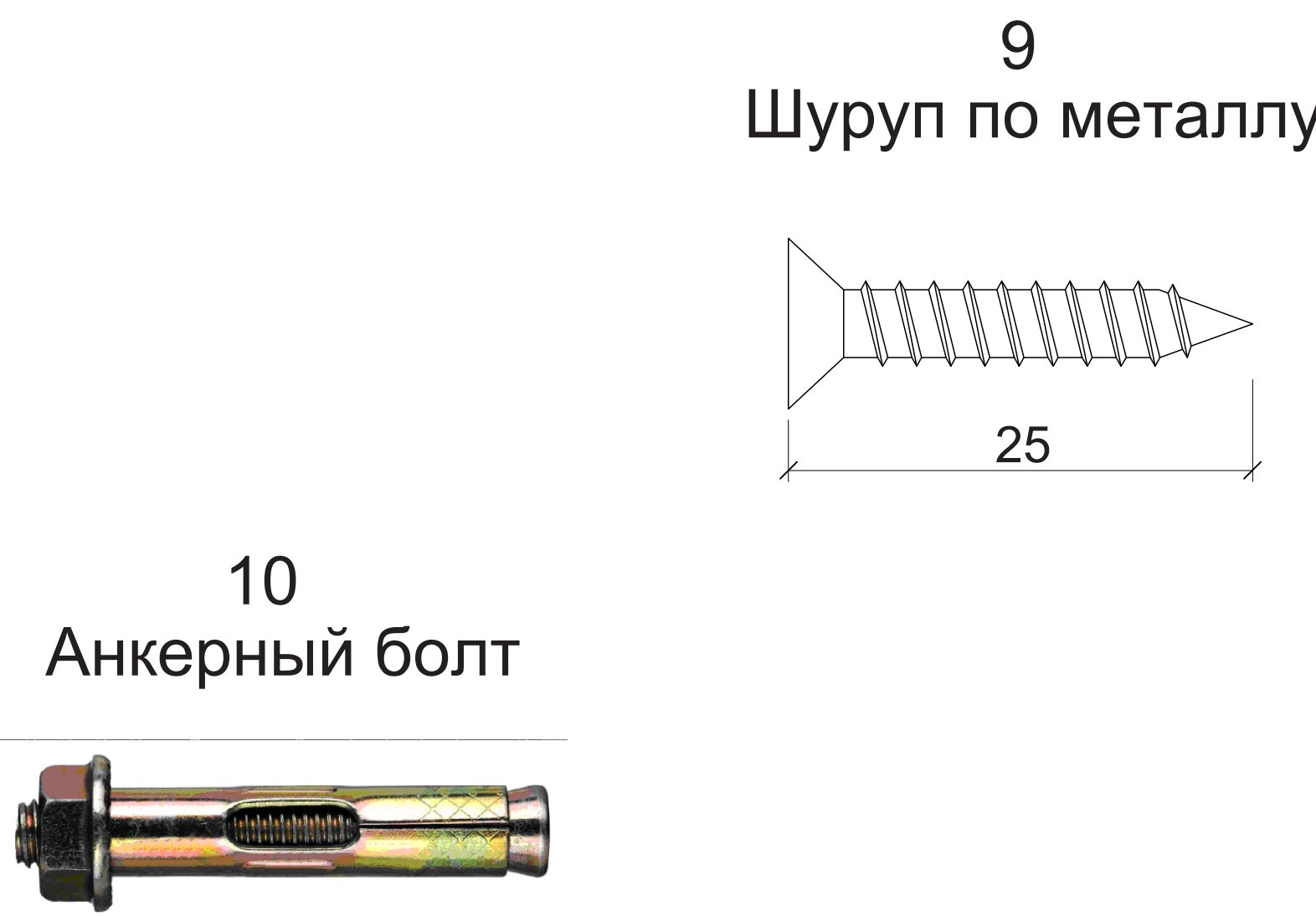
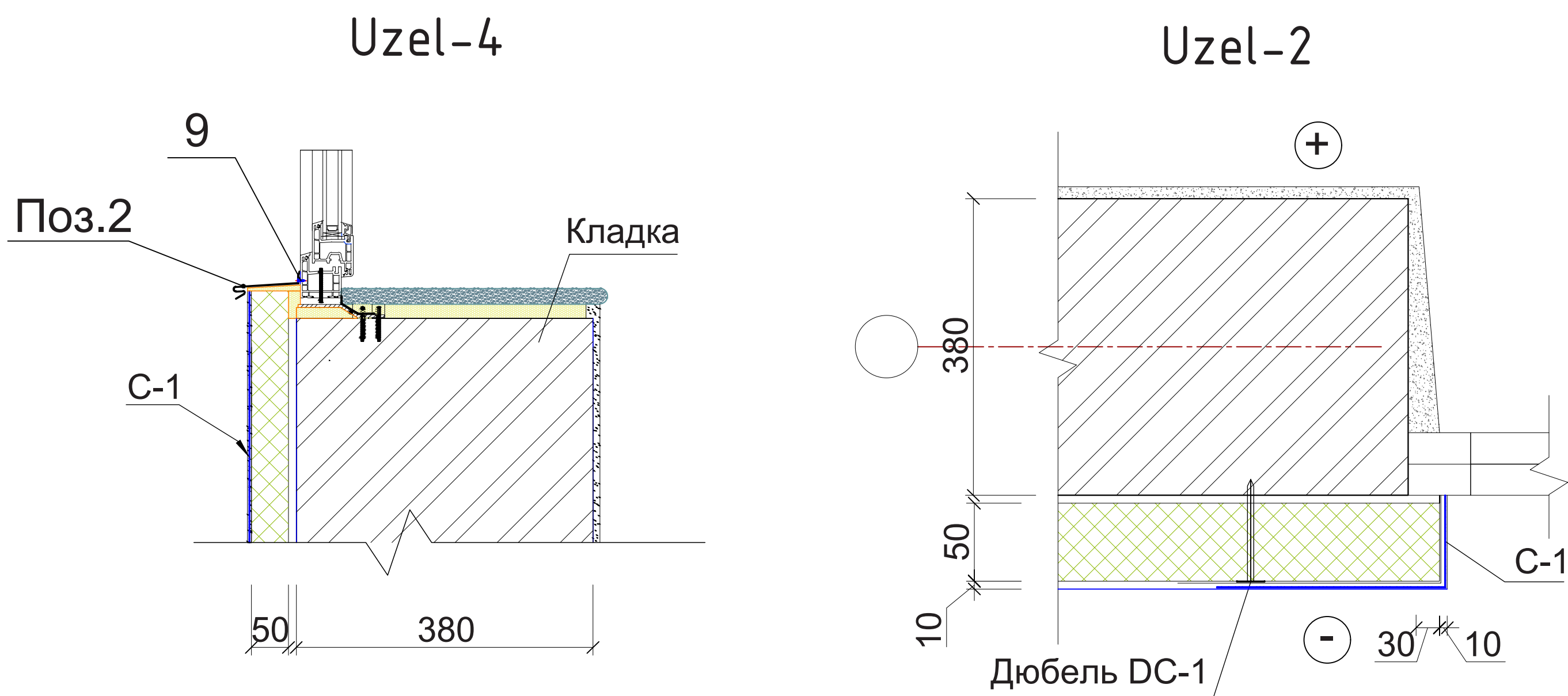


Пример схемы отлива

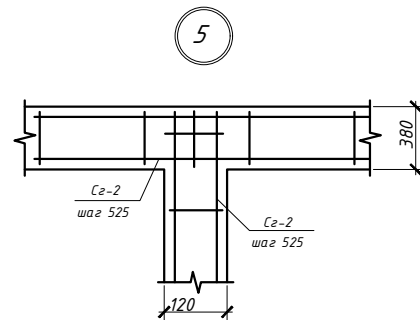
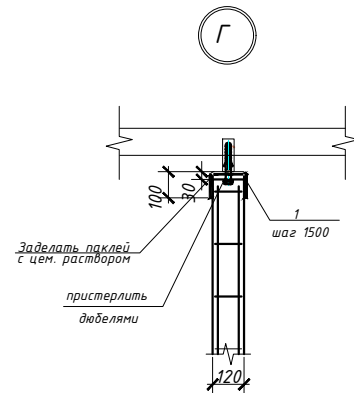
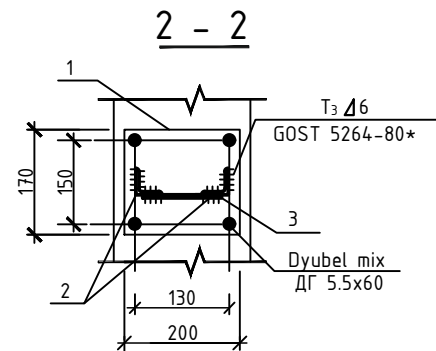
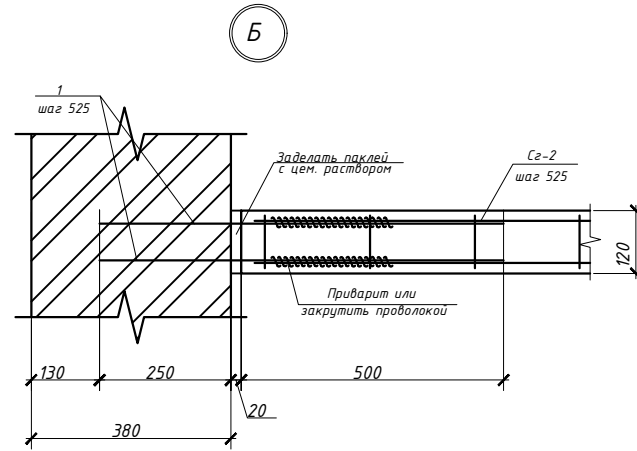
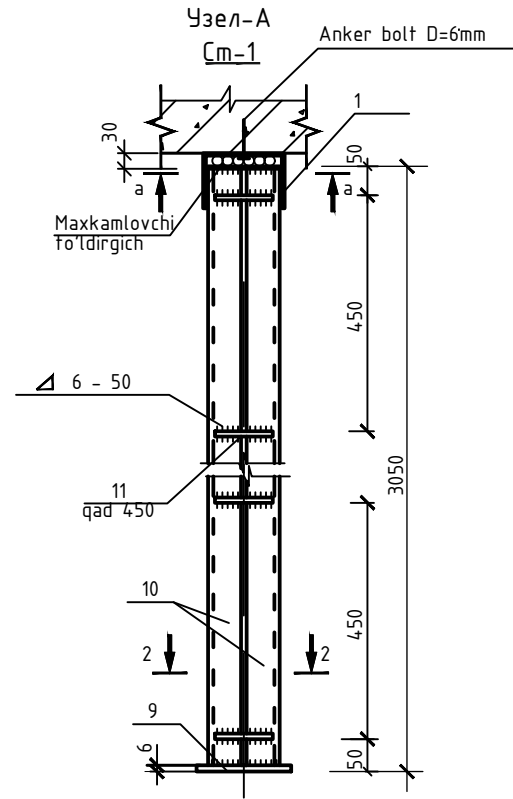
[illegible]

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 (2qavatli oynali).
4. Vitrajlar - RSTUz 699-96 bo'yicha Alyumin materiallardan va kolyonniy steklodan o'rnatilsin (2qavatli oynali).
5. Eshiklar - RSTUz 699-96 bo'yicha plastik materiallardan o'rnatilsin (2qavatli 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. Yopiqchlar o'rnatilsin. Tutqichlari zanglamas metall dan 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 pardoqlash				
№		Issiqlik qatlami tarkibi va tashqi devor pardozi:	Maydoni	Eslatma
	Fasad	2. Kleyli qorishma mineral tolali plitani o'rnatish uchun 5-7mm;	693,40	m2
	Fasad	3. Bazalt tolali plita - ППЖ 120кг/м³. толщ.=50мм (1200х600х50 мм);	693,40	m2
	Fasad	Тарельчатый дюбель с металлическим распорным элементом с мелконакатанной резьбой;		шт
	Fasad	Dekorativ shtukaturka - Travertin	693.40	m2
2		Otkos	50.50	m2
3	Fasad	Podakonnik tunika 60,4 n/m 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	m2

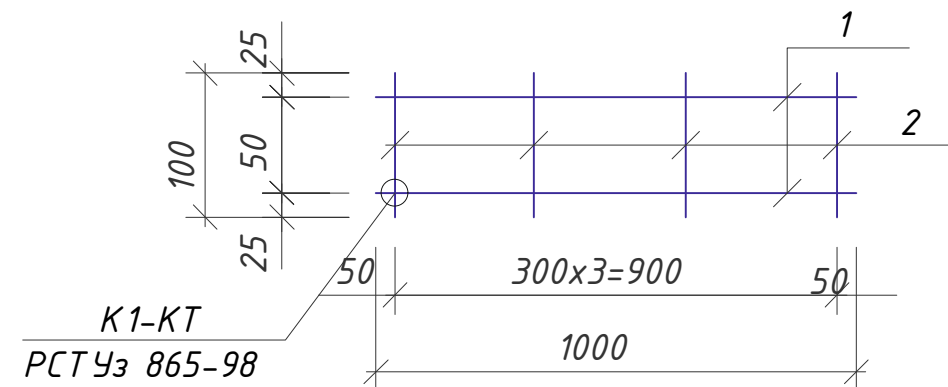
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Parda devorlarni mustaxkamlash rejasi

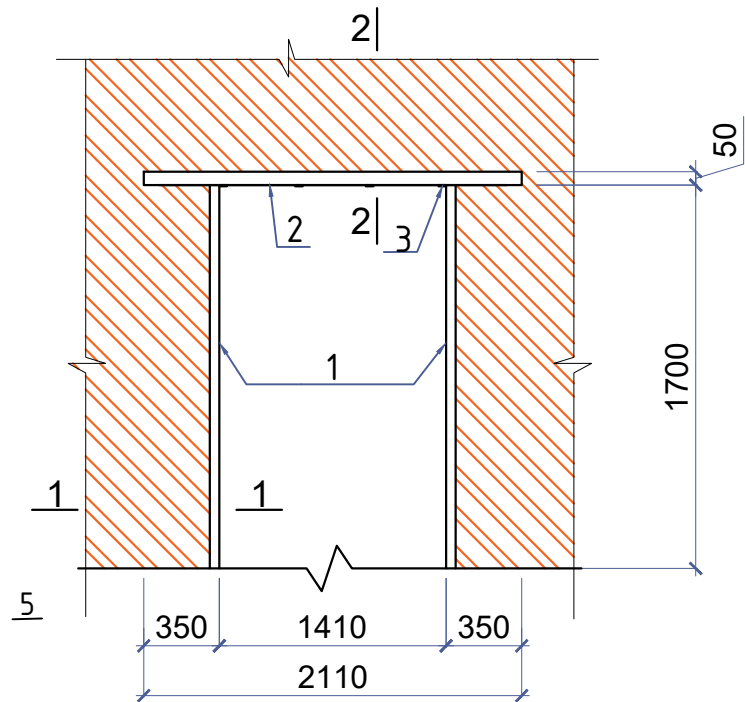


№	Belgilanishi	Nomlanishi	soni	massa kg	Eslatma
		Uzel-A	12		
1	ГОСТ 103-76*	— 170x6 L=200	1	0,16	1,92
2	ГОСТ 103-76*	L50x5 L=3000	2	22,62	271,44
3	ГОСТ 103-76*	Ø10AIII L=130	6	0,48	5,76
		Uzel-B	15		
	ГОСТ 103-76*	Ø8AI L=750	5	1,50	22,50
		Uzel-G	37		
	ГОСТ 103-76*	List <u>4x100x350 ГОСТ 19903-2015</u> <u>C245 ГОСТ 27772-2015</u>	1	1.10	40.70
		Дюбель ДГПШ 3,5X60	37		шт
		Горизонтальная сетка СГ-1 (на 1 п.м)	235.0		
1	GOST 6727-80	Φ5 Вр-I м.п.	2	0,15	70.50
2	GOST 6727-80	Φ3 Вр-I м.п. L=100	4	0,0055	5.17

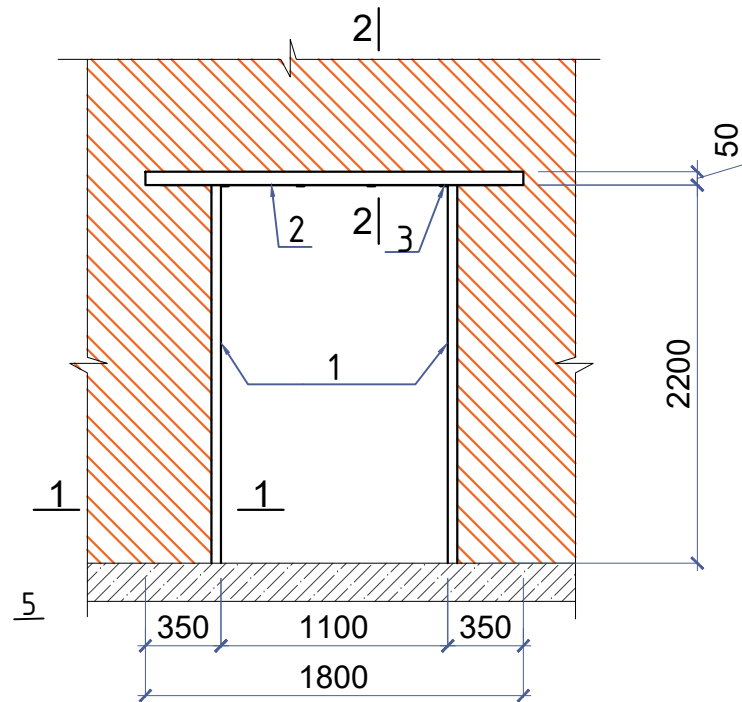
Yotiq setka C2-1

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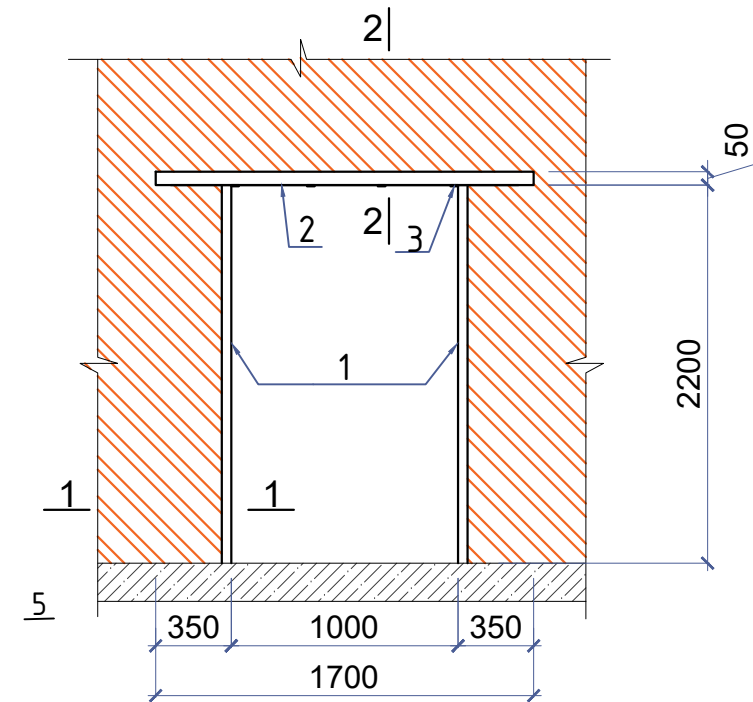
Devorlarni mustaxkamlash sxemasi Dm1



Devorlarni mustaxkamlash sxemasi Dm2



Devorlarni mustaxkamlash sxemasi Dm3

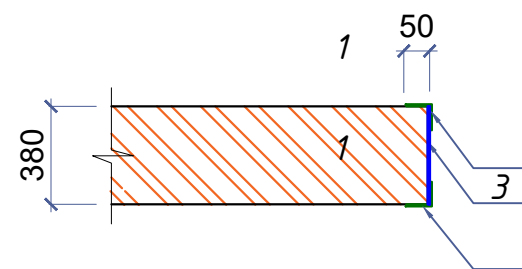


1. Barcha metall konstruktsiyalarni korroziya (yemirilish) ga qarshi qo'rg'oshin kukuni bo'yog'i bilan ximoyalash amalga oshiriladi
2. Ushbu varoq AQ- varoqlari bilan birgalikda o'qilsin.

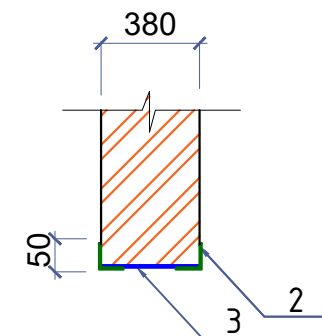
Devorlarni mustaxkamlash elementlarini tavsifi

Nº	Belgilanishi	Nomlanishi		soni	massa kg	Eslatma
		<i>Devorni mustaxkamlash Dm1</i>		36	41.96	1510.68
1	GOST 8509-86	Ugolok 50x50x4mm	L= 1700	4	5.19	20.74
2	GOST 8509-86	Ugolok 50x50x4mm	L= 2110	2	6.44	12.87
3	GOST 103-76*	Po'lat tasma 4x50 mm	L= 380	14	0.60	8.35
		<i>Devorni mustaxkamlash Dm2</i>		2	46.17	92.34
1	GOST 8509-86	Ugolok 50x50x4mm	L= 2200	4	6.71	26.84
2	GOST 8509-86	Ugolok 50x50x4mm	L= 1800	2	5.49	10.98
3	GOST 103-76*	Po'lat tasma 4x50 mm	L= 380	14	0.60	8.35
		<i>Devorni mustaxkamlash Dm3</i>		4	45.56	182.25
1	GOST 8509-86	Ugolok 50x50x4mm	L= 2200	4	6.71	26.84
2	GOST 8509-86	Ugolok 50x50x4mm	L= 1700	2	5.19	10.37
3	GOST 103-76*	Po'lat tasma 4x50 mm	L= 380	14	0.60	8.35

Qirgim 1-1 (M1:20)



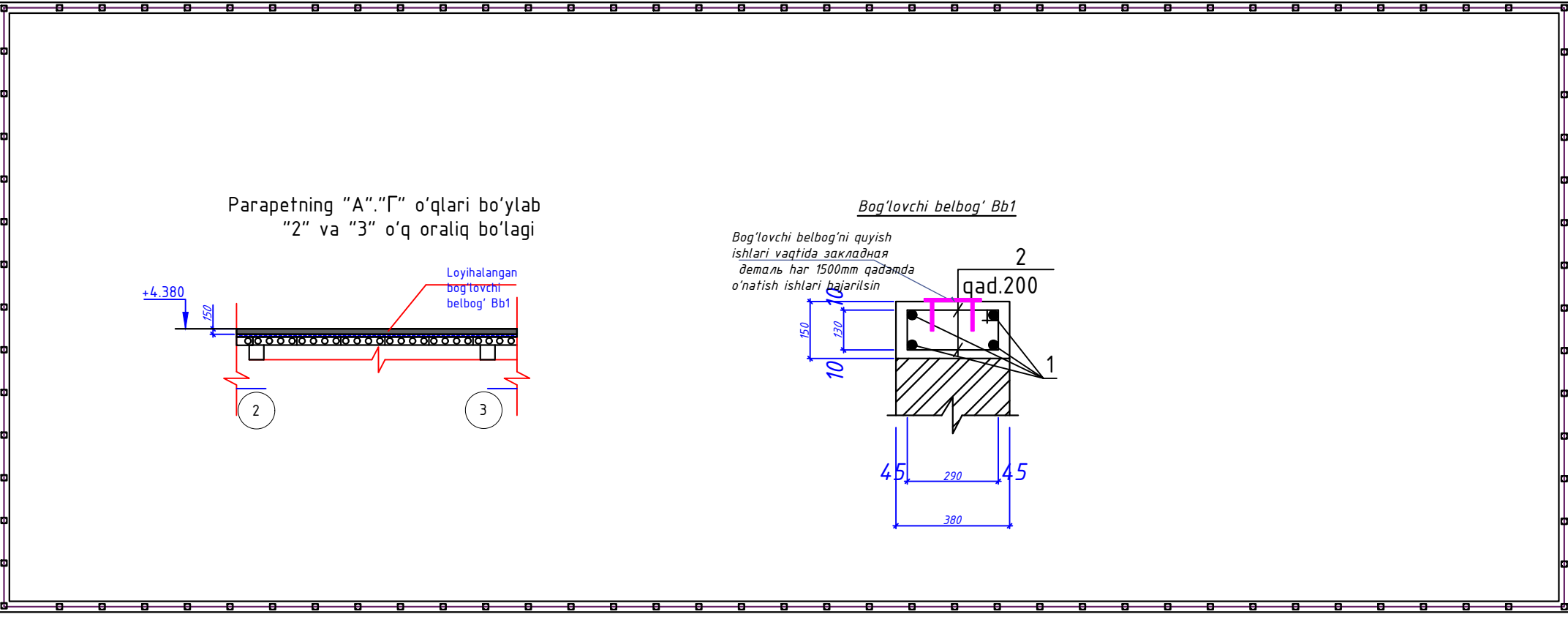
Qirgim 2-2
(M1:20)



Nº	Belgilanishi	Dona	Dm1	Dm2	Dm3	Jami
1	<i>Devorlarni mustaxkamlash elemnti. DM1</i>	36	61.6			2217.60
2	<i>Devorlarni mustaxkamlash elemnti. DM2</i>	2		66.8		133.60
3	<i>Devorlarni mustaxkamlash elemnti. DM3</i>	4			66.1	264.40

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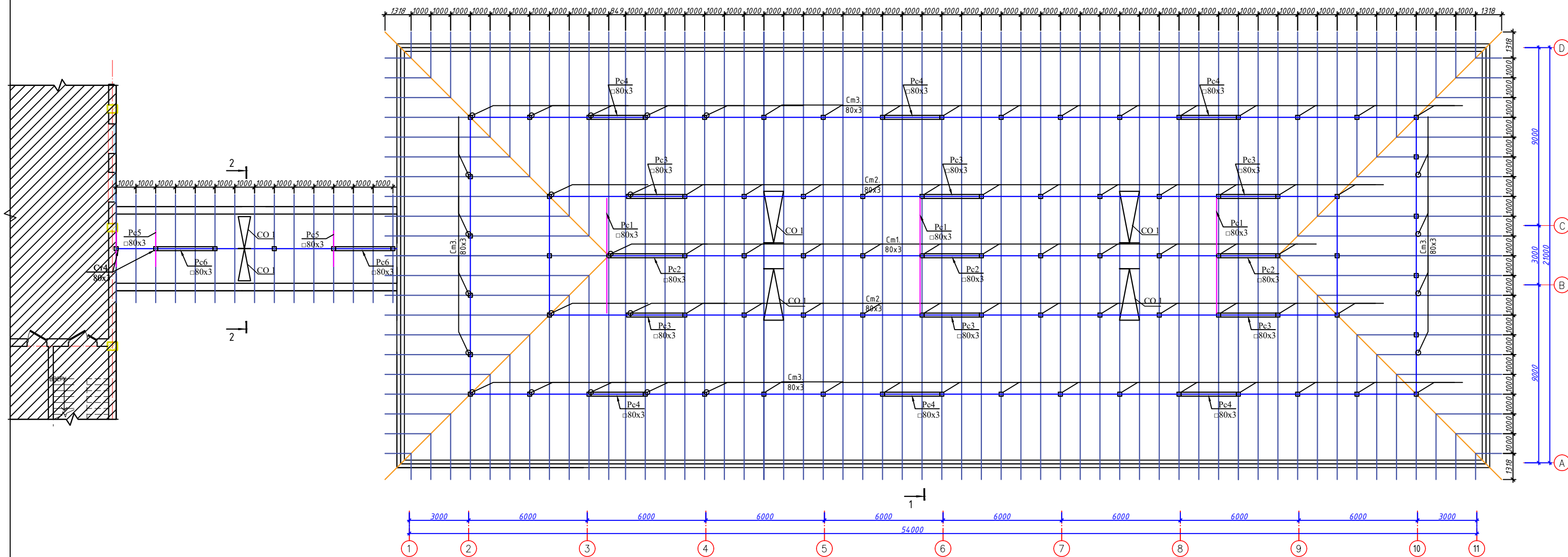
Paraped rejasi (loyihaviy)



Parapetni mustahkamlash elementlarining tavsifi:							
№	Belgilanishi	Nomlanishi			Soni	Og'irlik, dona, kz	Estatma
Ob-1		Обязочный пояс-1	$L_{об.п} = 180.3$	мм	180.3		
1	ГОСТ 5781-82*	φ12AIII	L=1.0	м	4	0.89	640.50
X2	-//-	φ6A I	L=1.040	мм	5	0.23	208.16
Материалы : бетон кл В15, м³							10.82

[illegible]

1



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

[illegible]

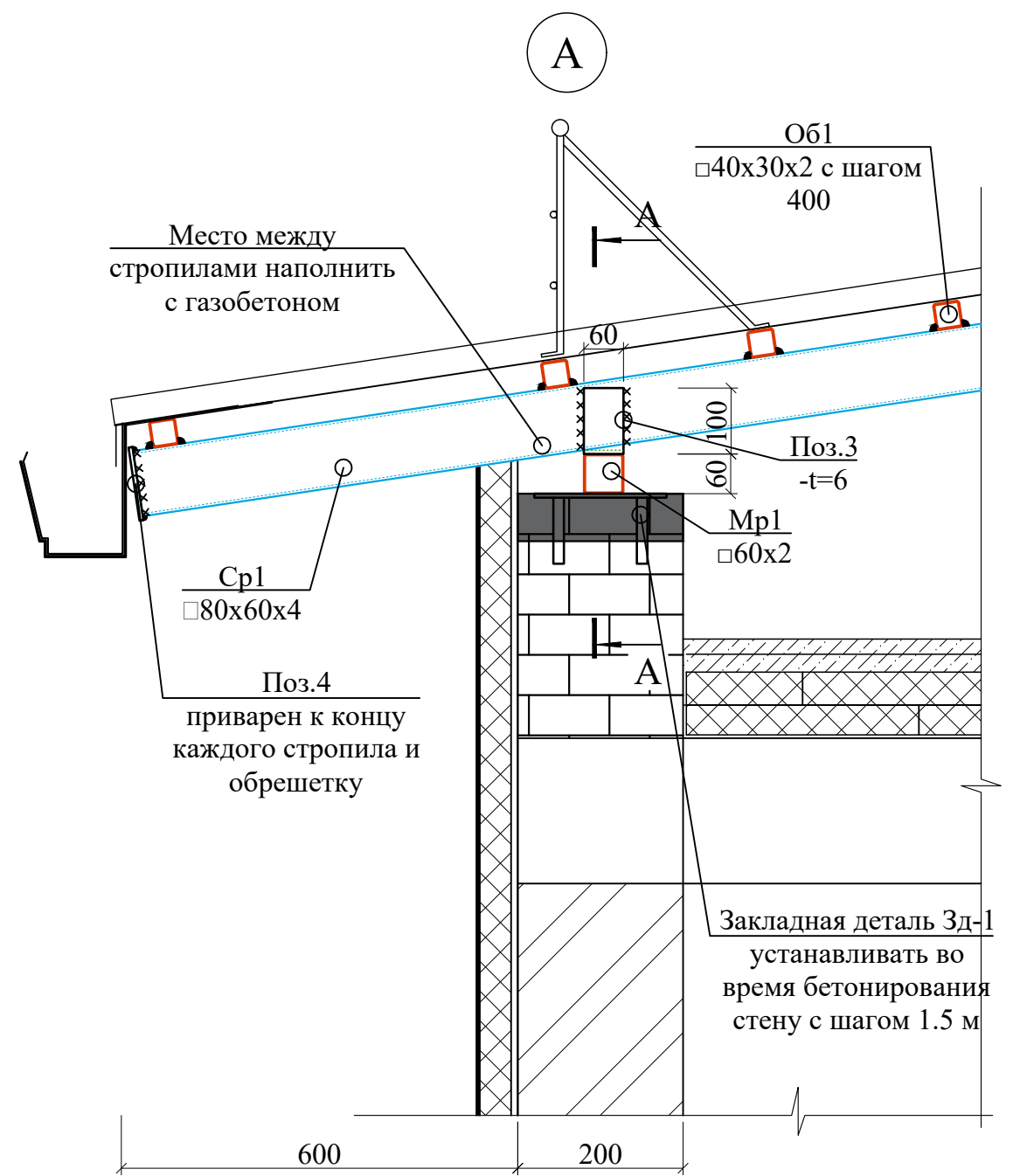
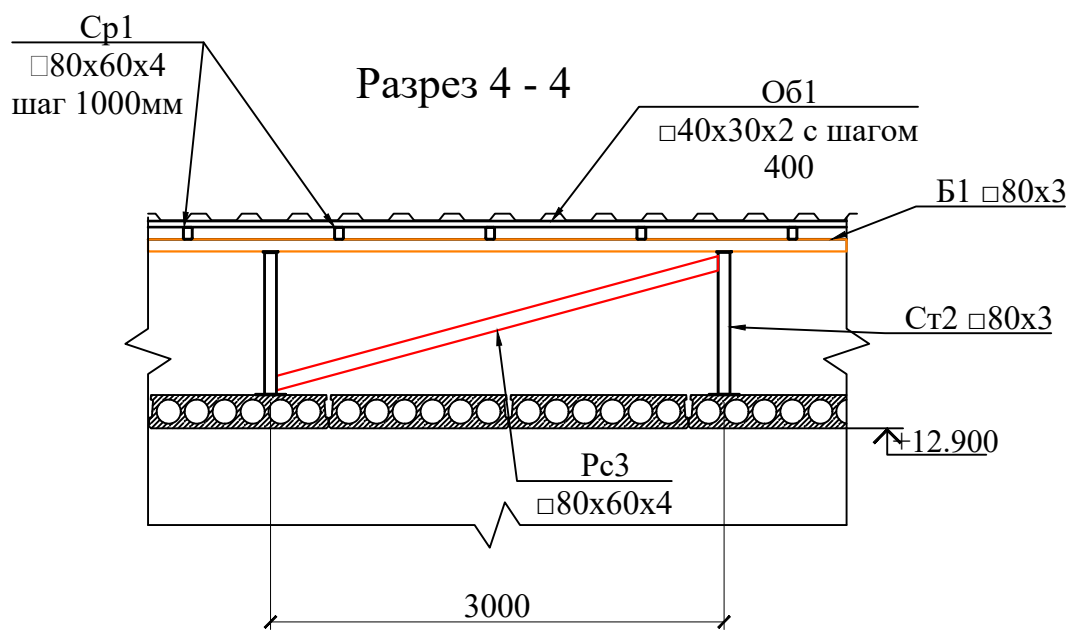
Tomning elementlari spetsifikatsiyasi

№	Belgilanishi	Nomlanishi	soni	massa kg	Eslatma
		Металлическая стойка Ст-1	12		
Ст-1	GOST 30245-2003	Профил 3х80х80 L=2730	1	19,30	231,61
1	GOST 19903-90	Лист стальной -4х100мм L=100	1	0,31	3,77
2	GOST 19903-90	Лист стальной -6х200мм L=200	1	1,88	22,61
		Анкерный болт М10х100	4	0,06	2,88
		Металлическая стойка Ст-2	30		
Ст-2	GOST 30245-2003	Профил 3х80х80 L=1930	1	13,65	409,35
1	GOST 19903-90	Лист стальной -4х100мм L=100	1	0,31	9,42
2	GOST 19903-90	Лист стальной -6х200мм L=200	1	1,88	56,52
		Анкерный болт М10х100	4	0,06	7,20
		Металлическая стойка Ст-3	42		
Ст-2	GOST 30245-2003	Профил 3х80х80 L=995	1	7,03	295,46
1	GOST 19903-90	Лист стальной -4х100мм L=100	1	0,31	13,19
2	GOST 19903-90	Лист стальной -6х200мм L=200	1	1,88	79,13
		Анкерный болт М10х100	4	0,06	10,08
		Металлическая стойка Ст-4	6		
Ст-2	GOST 30245-2003	Профил 3х80х80 L=650	1	4,60	27,57
1	GOST 19903-90	Лист стальной -4х100мм L=100	1	0,31	1,88
2	GOST 19903-90	Лист стальной -6х200мм L=200	1	1,88	11,30
		Анкерный болт М10х100	4	0,06	1,44
		Диагональная нога ДН1	4		
ДН1	GOST 30245-2003	Профил 4х80х60 L=16000	1	127,52	510,08
3	GOST 19903-90	Лист стальной -6х80мм L=50	1	0,19	0,75
4	GOST 8509-86	Угольник 50х5мм L=80	6	0,30	7,24
		Стропила Ст1	72		
Ст1	GOST 30245-2003	Профил 4х80х60 L=11650	1	92,83	6683,56
3	GOST 19903-90	Лист стальной -6х80мм L=60	2	0,23	32,56
4	GOST 8509-86	Угольник 50х5мм L=80	8	0,30	173,72
		Стропила Ст2	30		
Ст1	GOST 30245-2003	Профил 4х80х60 L=2850	1	22,71	681,26
3	GOST 19903-90	Лист стальной -6х80мм L=60	2	0,23	13,56
4	GOST 8509-86	Угольник 50х5мм L=80	6	0,30	54,29
		Нарожник Нр1			
Нр1	GOST 30245-2003	Профил 4х80х60 п/м L=512.60	1	7,970	4085,42
4	GOST 8509-86	Угольник 50х5мм L=80	168	0,30	50,67
		Раскос Рс-1			
Рс1	GOST 30245-2003	Профил 4х80х60 L=3720	6	29,64	177,85
		Раскос Рс-2			
Рс2	GOST 30245-2003	Профил 4х80х60 L=4060	3	32,35	97,05
		Раскос Рс-3			
Рс3	GOST 30245-2003	Профил 4х80х60 L=3567	6	28,42	170,53
		Раскос Рс-4			
Рс3	GOST 30245-2003	Профил 4х80х60 L=3161	6	25,19	151,12
		Раскос Рс-5			
Рс3	GOST 30245-2003	Профил 4х80х60 L=975	6	7,77	46,61

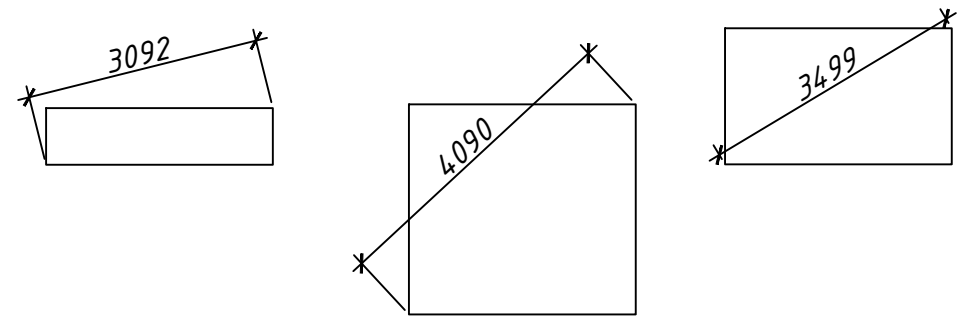
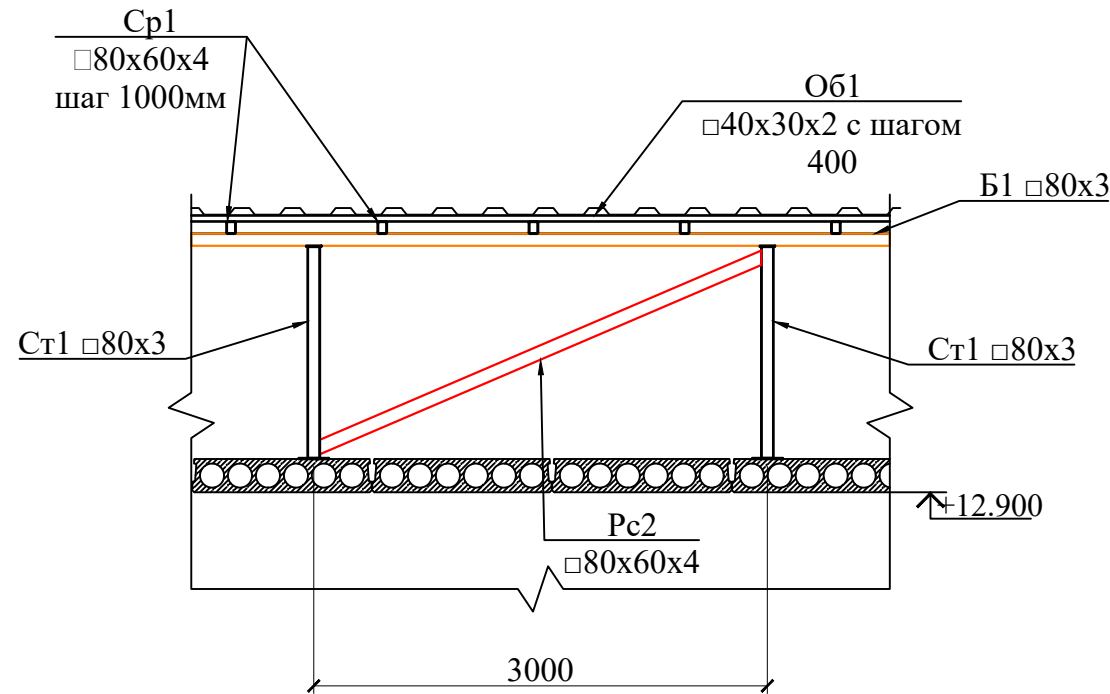
		<i>Раскос Рс-6</i>			
Рс3	GOST 30245-2003	Профил 4x80x60 L=3070	2	24,46	48,92
		<i>Мауэрлат Мр1</i>			
Мр1	GOST 30245-2003	Профил 2x60 п/м L=151.92	1	3,564	541,44
		<i>Балка Б1 (Прогон)</i>			
Б1	GOST 30245-2003	Профил 3x80 п/м L=263.45	1	7,073	1863,38
		<i>Обрешетка О81</i>			
О81	GOST 32931-2015	Профил 2x30x40 п/м L=2335.6	1	2,018	4713,24
		<i>Закладная деталь Зд-1</i>	121		
	<i>ГОСТ 103-2006</i>	<i>Лист 200x6 L=200</i>	<i>7</i>	1,88	227,96
	<i>ГОСТ 5781-82</i>	<i>φ12 А-III L=150</i>	4	0,13	64,47
		<i>Слуховое окно Со-1</i>	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 КРЫША	
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93	94
95	96
97	98
99	100

	GOST 30245-2003	Профил 3х80х80мм	2827.38	kg
	GOST 30245-2003	Профил 4х80х60	12652.41	kg
	GOST 30245-2003	Профил 2х60х60	541.44	kg
	GOST 30245-2003	Профил 2х30х40	4931.18	kg
	GOST 30245-2003	Профил 2х80х40	245.42	kg
	GOST 19903-90	Лист стальной -4х100мм	28.26	kg
	GOST 19903-90	Лист стальной -6х200мм	397.52	kg
	GOST 19903-90	Лист стальной -6х80х60мм	46.87	kg
	GOST 8509-86	Угольник 50х80х5мм	285.92	kg
		Анкерный болт М10х100 (360штук)	21.60	kg
	GOST 5781-82*	Ø12 А-III	64.47	

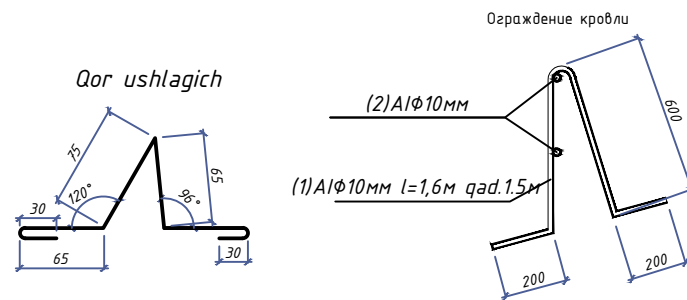


Разрез 3 - 3

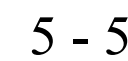
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№ n/n	Belgilanishi	Nomlanishi	Soni	Hajmi dona metr	Eslatma m ³
1		Profnastil qalinligi b = 0,51 mm	1396,45		m ²
2		Tarnov (nomok)	186,64		metr
3		Tarnov trubasi	65,0		metr
4		Qor ushlagich	135,0		metr
5		Konyok	112,2		metr
		Tunikafon qoplama (karniz)	144,0		m ²
		Ограждение кровли			278,42kg
1	GOST 5781-82*	Ø10 Al L=1600	98,0	0.99	97.02kg
2	GOST 5781-82*	Ø10 Al L=umumiy	294,0	0.617	181.4kg

[illegible]

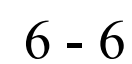
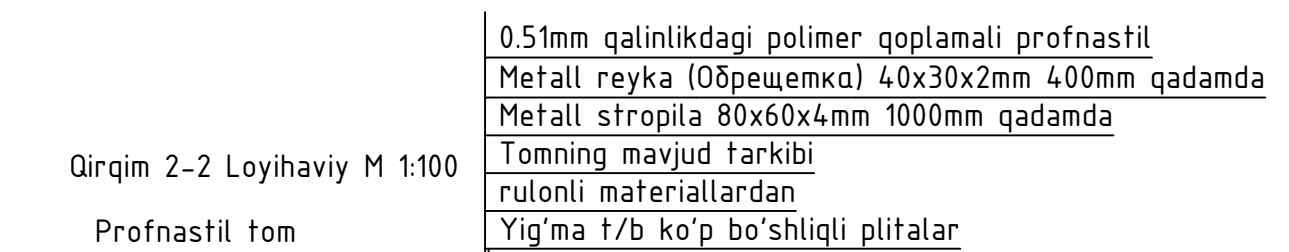
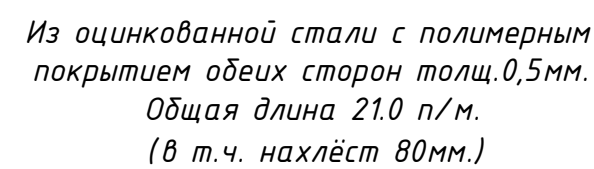
0.51mm qalinlikdagi polimer qoplamali profnastil
Metall reyka (Oʻpeshemka) 40x30x2mm 400mm qadamda
Metall stropila 80x60x4mm 1000mm qadamda
Tomning mavjud tarkibi
rulonli materiallardan
Yigʻma t/b koʻp boʻshliqlik plitalar

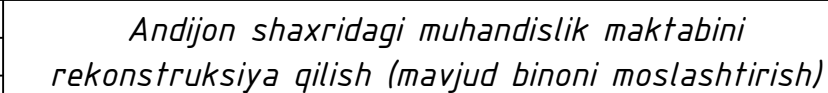


Водосточный желоб
 $b=510\text{ мм.}$

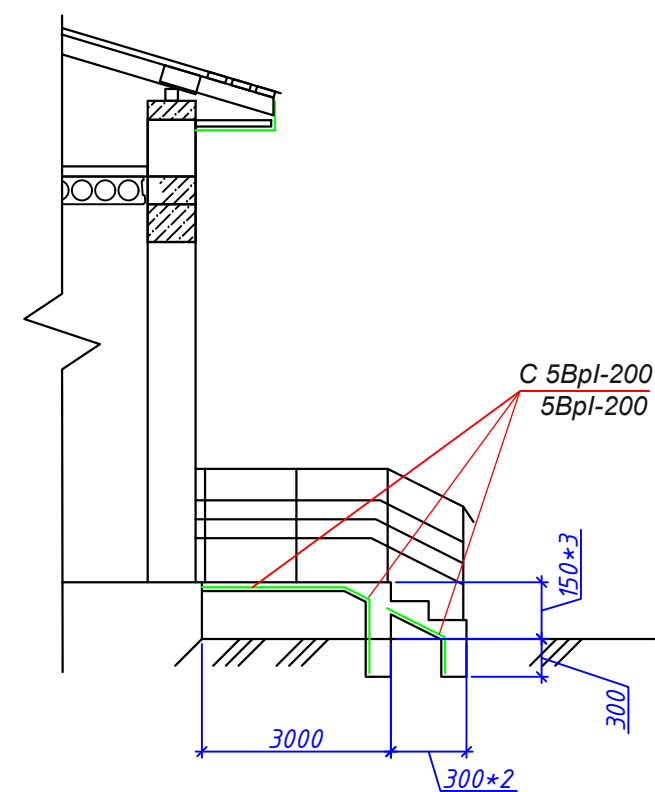


Общий расход—42 шт.
(шаг 500мм.)

[illegible]

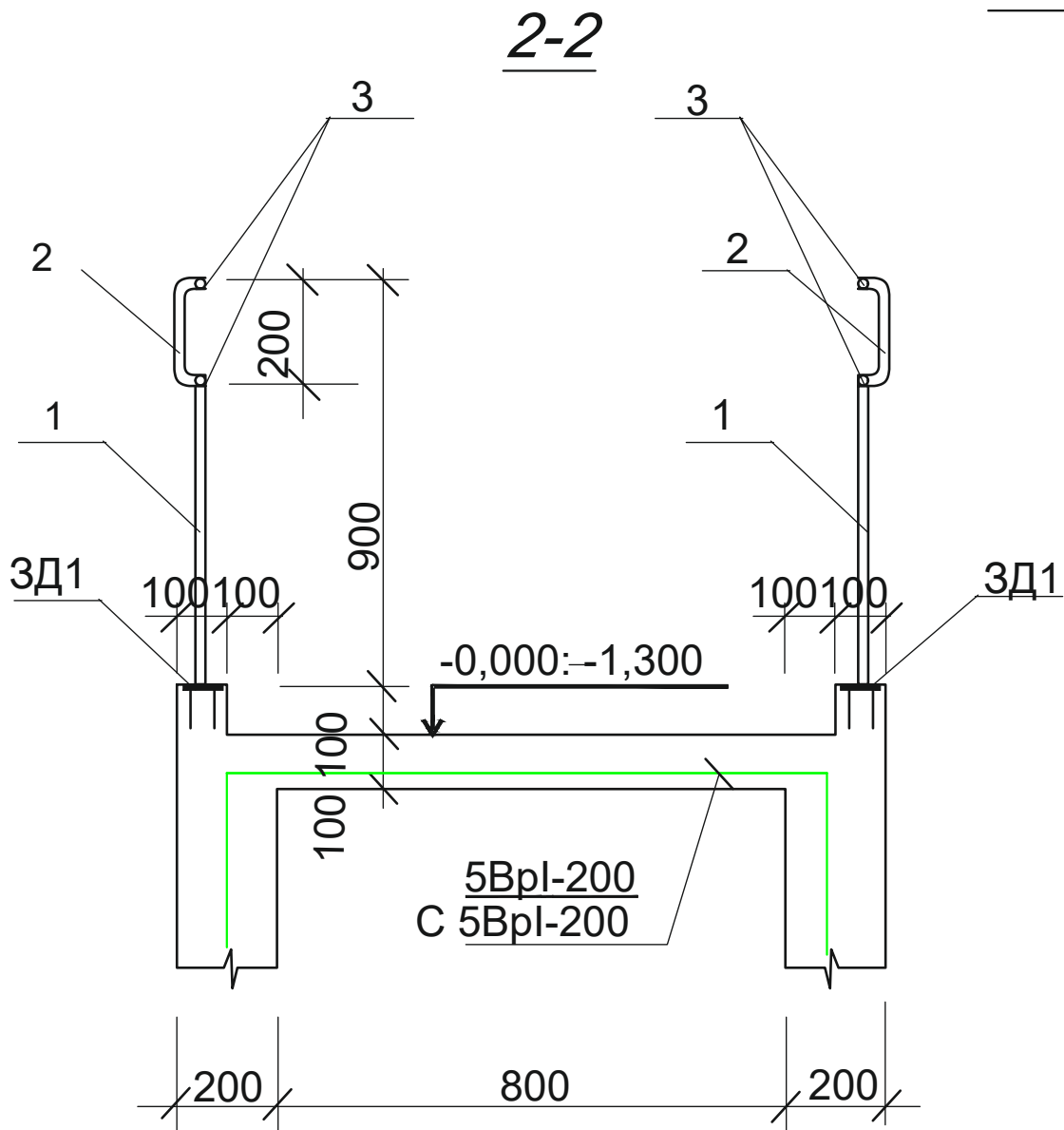


Zina va asosiy kirish elementlari xarajatlar jadvali						
Nº	Belgilanishi	Nomlanishi	Soni	Og'irligi kg	Eslatma	
		Zina №1	2		dona	
1		Setka 5Bpl-200 5Bpl-200	5,25	1,54	8,09	к2
2		B15 sinfli beton	1,28		m ³	
3		Shag'al tuproq bilan to'ldirish	1,08		m ³	
4		Sirpanmaydigan keramogranit qoplama	5,70		m ²	
5		Metall Ograjdeniya OF1	3,00		m	
6		Zakladnaya detal 3Д1	3,00	0,67	2,01	к2
7		Zakladnaya detal 3Д1	0,67			
8		80x6 L=80	1,00	0,30	0,30	к2
h		Φ10 A-I L=600	1,00	0,37	0,37	к2

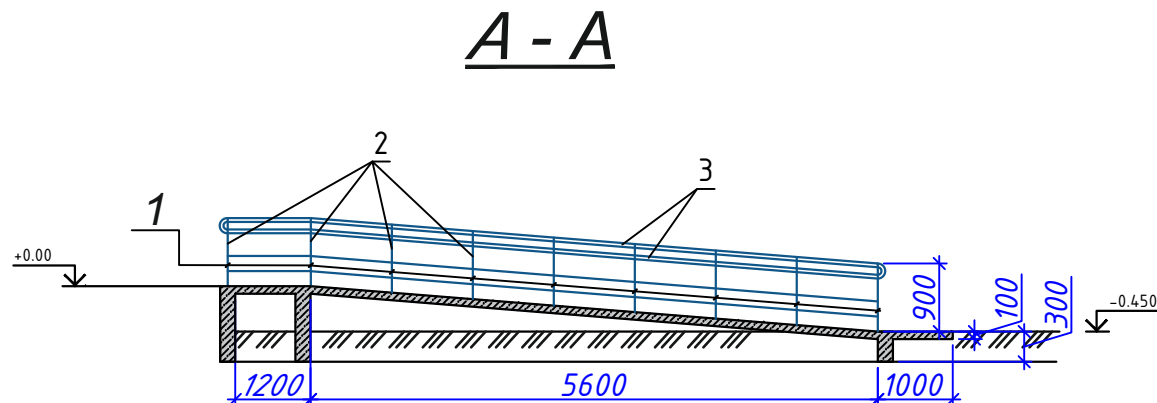
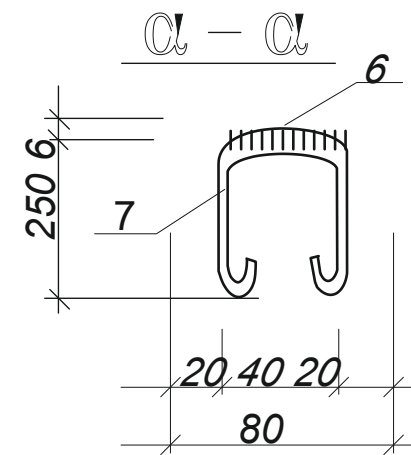
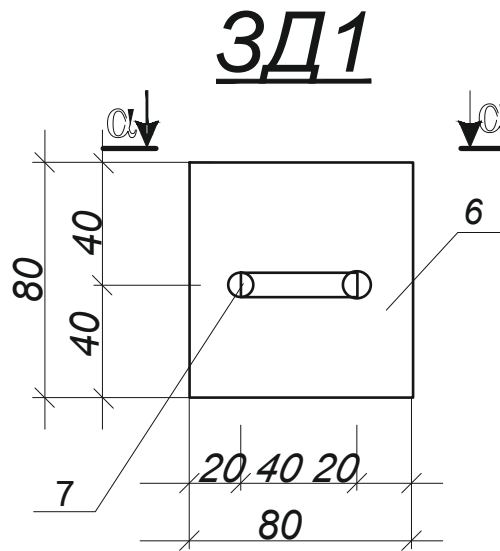


						<i>Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)</i>			
<i>LBM</i>	B.Shamshidinov				D blok	Bosqich	Varoq	Varoqlar	
						I.L	22	24	
<i>Bajardi</i>	M.Ne'matjonov				Zina №1 rejasi	<i>“Sardor Qurilish Maks” MCHJ</i>			

Pandus rejasi



Pandus						
№	Belgilanishi	Nomlanishi	Soni	Og'irligi kg	Eslatma	
		Pandus	2		dona	
	GOST 8478-81	Setka 5Bpl-200 5Bpl-200	12,90	1,54	19,87	к2
		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	к2
		Деталь закладная ЗД1	0,67		к2	
		-- 80x6 L=80	1	0,30	шм	
		Φ10 A-I L=600	1	0,37	шм	



						<i>Andijon shaxridagi muhandislik maktabini rekonstruksiya qilish (mavjud binoni moslashtirish)</i>			
<i>LBM</i>	B.Shamshidinov					D blok	Bosqich	Varoq	Varoqlar
							I.L	23	24
<i>Bajardi</i>	M.Ne'matjonov					Pandus rejasi	<i>"Sardor Qurilish Maks" MCHJ</i>		

