

*O'zbekiston Respublikasi
Andijon viloyati Andijon shaxri
"EKSPRESS LOYIHA" MCHJ*

*Республика Узбекистан
город Андижан Андижанская область
ООО"ЕКСПРЕСС ЛОЙИНА"*

ISHCHI LOYIHA

***Andijon viloyati Shaxrixon tumani Barkamol avlod MFY
"59-sonli umumta'lim maktabi" hududiga qo'shimcha
"Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi***

Konstruktiv yechimlari

Direktor:



U. Ne'matjonov

L.B.M:



T. Tilavoldiyev

Andijon- 2026 y

Varoq	Nomlanish	Eslatma.
1*	Umumiy ma'lumotlar	
1	Poydevor chuquri (M 1:100)	
2	Poydevor rejasi (M 1:100)	
3	Vipusk sxemasi (M 1:100)	
4	Devor rejasi	
5	Devor elementlar spetsifikatsiyasi	
6	Devor fasadlar ko'rinishi	
7	Devor mustahkamlash rejasi	
8	Tom yopma elementlar joylashuv rejasi	
9	Tom elementlarini joylashuv sxemasi	
10	Tom elementlar spetsifikatsiyas	
11	Tom elementlarining joylashuvi	
12	Shamollatish darchasi	

Qurilish himoya qilish choralari

Qurilishni himoya qilish choralari
korroziyaga qarshi tuzilmalarQurilish inshootlarini korroziyadan himoya qilish KMK 2.03.11 – 96 ga muvofiq amalga oshiriladi.Gorizontal gidroizolyatsiya – qalinligi 30 mm bo'lgan suv o'tkazmaydigan qo'shimchalar bilan 1: 3 tsement–qum ohakidan tayyorlangan.Er osti beton va temir–beton konstruksiyalarning er bilan aloqa qiladigan barcha sirtlari 2 marta issiq bitum bilan qoplangan bo'lishi kerak.Birlashtiruvchi metall qismlar va konstruksiyalar PF-020 GOST18.186–79 primerida 2 marta PF-115 markali emal bo'yoqlari bilan qoplangan.Salbiy haroratlarda qurilish taqiqlanadi
SEISMIKAGA QARSHI CHORALAR
Antiseysmik tadbirlar KMK2.01.03–96 ga muvofiq amalga oshirildi. Bino qattiq konstruktiv sxema bo'yicha ishlab chiqilgan bo'lib, devorlari M50 ohak ustidagi M75 g'ishtdan tayyorlangan maxsus qo'shimchalar bilan ohakning g'ishtga yopishishini oshiradi.Binoning qattiqligi uzunlamasina va ko'ndalang devorlar va temir–beton qo'shimchalar tizimi, B15 sinfidagi monolitik temir–betondan yasalgan kamar bilan monolit va antiseysmik kamar bilan monolit qoplama diski bilan ta'minlanadi.Monolitik lintellar devorning butun kengligi bo'ylab o'rnatiladi va kamida 250 mm chuqurlikda toshga o'rnatiladi.

Loyiha texnologik talablarga javob beradi, sanitariya–gigiyena, Yong ' inga qarshi va boshqa normalar, o 'zbekiston Respublikasi hududida faoliyat ko' rsatayotgan va ishchi chizmalar tomonidan ko 'rib chiqilgan chora–tadbirlarga rioya qilgan holda obyektning hayoti va sog' lig 'i uchun xavfsiz ishlashini ta' minlaydi

Loyihaning bosh muhandisi:  Tilavoldiyev T

UMUMIY QISM

ndijon viloyati Shaxrixon tumanidagi 59–umumta'lim maktabiga qo'shimcha 20–ochkoli xojatxona qurish.

Texnik va iqtisodiy ko'rsatkichlar

Qurilish maydoni – 92.0 m2
Qurilish hajmi – 278.0 m3
Umumiy maydoni – 21127.0 m2

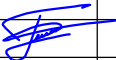
Memoriy va qurilish qismi

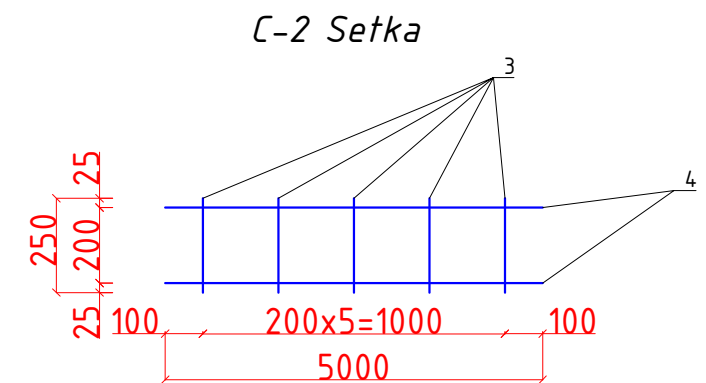
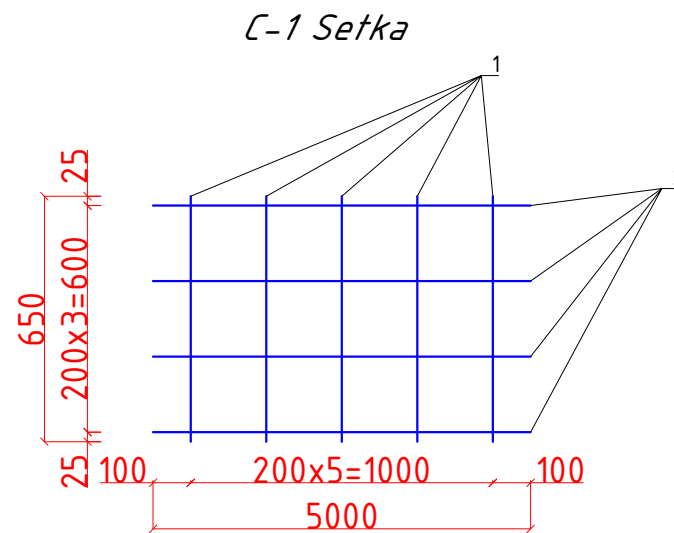
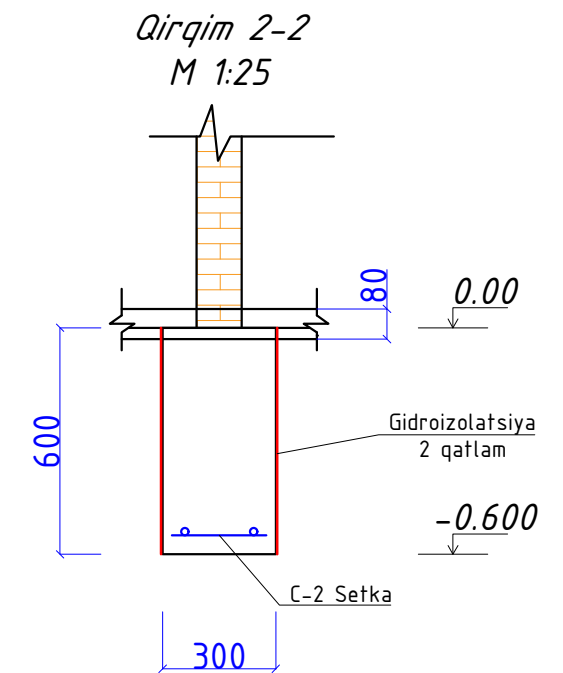
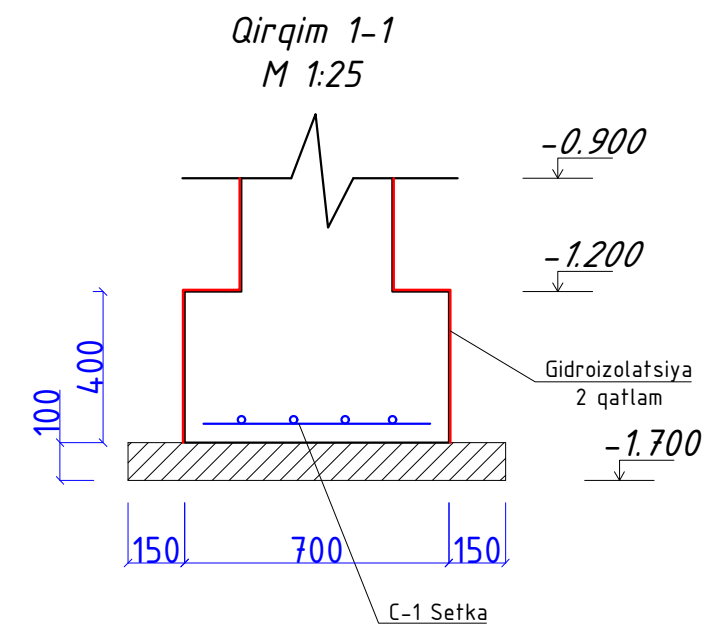
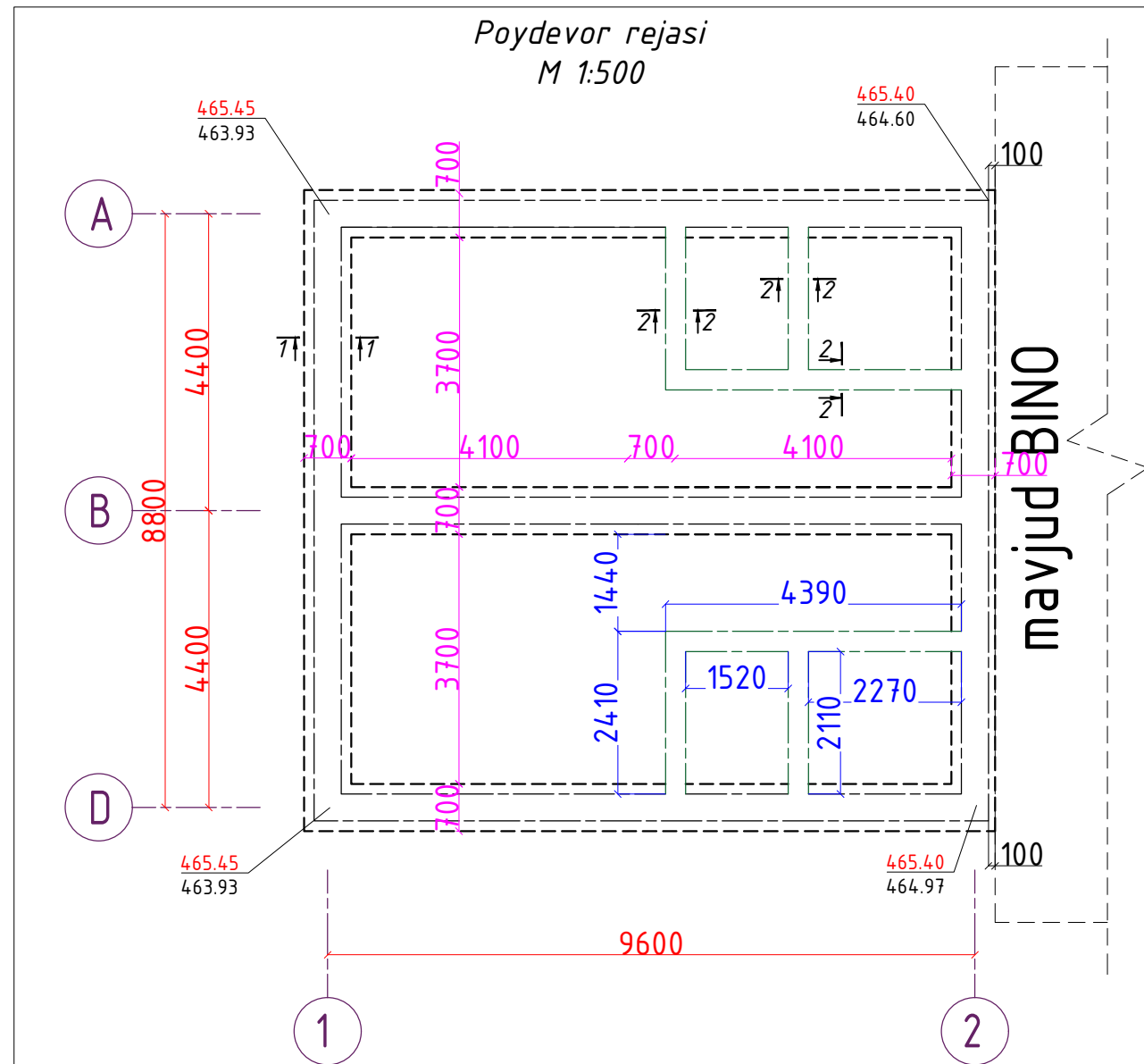
Andijon viloyati Shaxrixon tumanidagi 59–umumta'lim maktabiga qo'shimcha 20–ochkoli xojatxona qurish. Binoni o'q bo'yicha razmerlari 9.6x8.8m bo'lib aniqlangan pol shiftgacha 3m.

Qurilish qismi

Kolda terilgan sopol yoki beton toshlar gishtlardan tiklanadigon devor II toifa 5–pozitsiyasi

Binoning konstruktiv yechimi m 75 g'ishtdan yasalgan uzunlamasina va ko'ndalang devorlari va monolitik antiseysmik kamar bilan qattiq diskli qopqoq plitasi bilan qattiq konstruktiv sxemada amalga oshiriladi. Binolar quyidagi konstruktiv elementlardan qurilgan:
Poydevorlar – Bardoshli sementdan B15 sinfidagi monolitik betondan tayyorlangan lenta RSTUz 10178–85 ga muvofiq. Yadrolar B15 sinfidagi betonning monolitikdir. Mustahkamlovchi qafas bilan mustahkamlangan. B15 sinfidagi betondan tayyorlangan monolit lintel, mustahkamlovchi qafas bilan mustahkamlangan Tashqi devorlar M50 tsement–qumli ohakda M75 markali g'ishtlardan yasalgan maxsus qo'shimchalar bilan. g'ishtning ohakga yopishishini oshiradigan qo'shimchalar. Shiftlar – UTR46.1–95 bo'yicha yig'ma temir–beton ichi bo'sh yadroli plitalar. Parda devorlar – 1 gishdan yasalgan, qalinligi 120 mm. Pollar – 2.244.1 seriyali 4–songa muvofiq mramor plitkalar va relindan. Tashqi qoplama – bazalt uteplitel, yaxshilandi gips, keyin travertin uni.
Ichki pardozlash – yaxshilangan tsement gipsini tayyorlash qum keyin 2 marta bo'yash varaqni tugatish varag'iga muvofiq sirlangan keramik plitkalar. Eshiklar– Plastikdan tayyorlangan ichki eshik bloklari profillar RSTUz 699–96. Deraza bloklari – RSTUz 699–96 (shisha paketli oynalar) bo'yicha oynali 2 kamerali plastmassadan yangi oyna bloklarini yasash uchun. Deraza va eshik teshiklarining yonbag'irlarini sifatli gipslash gips, keyin 2 marta bo'yash. Tom – yog'och, qalinligi 0,51 mm profnastil pokritiya tom qoplamasini bajarilgan. Dekorativ korniz tunikabonddan bajarilgan.
Betonli otmostka – qalinligi 70 mm, kengligi–1000 mm, shag'al qalinligi 50 mm.

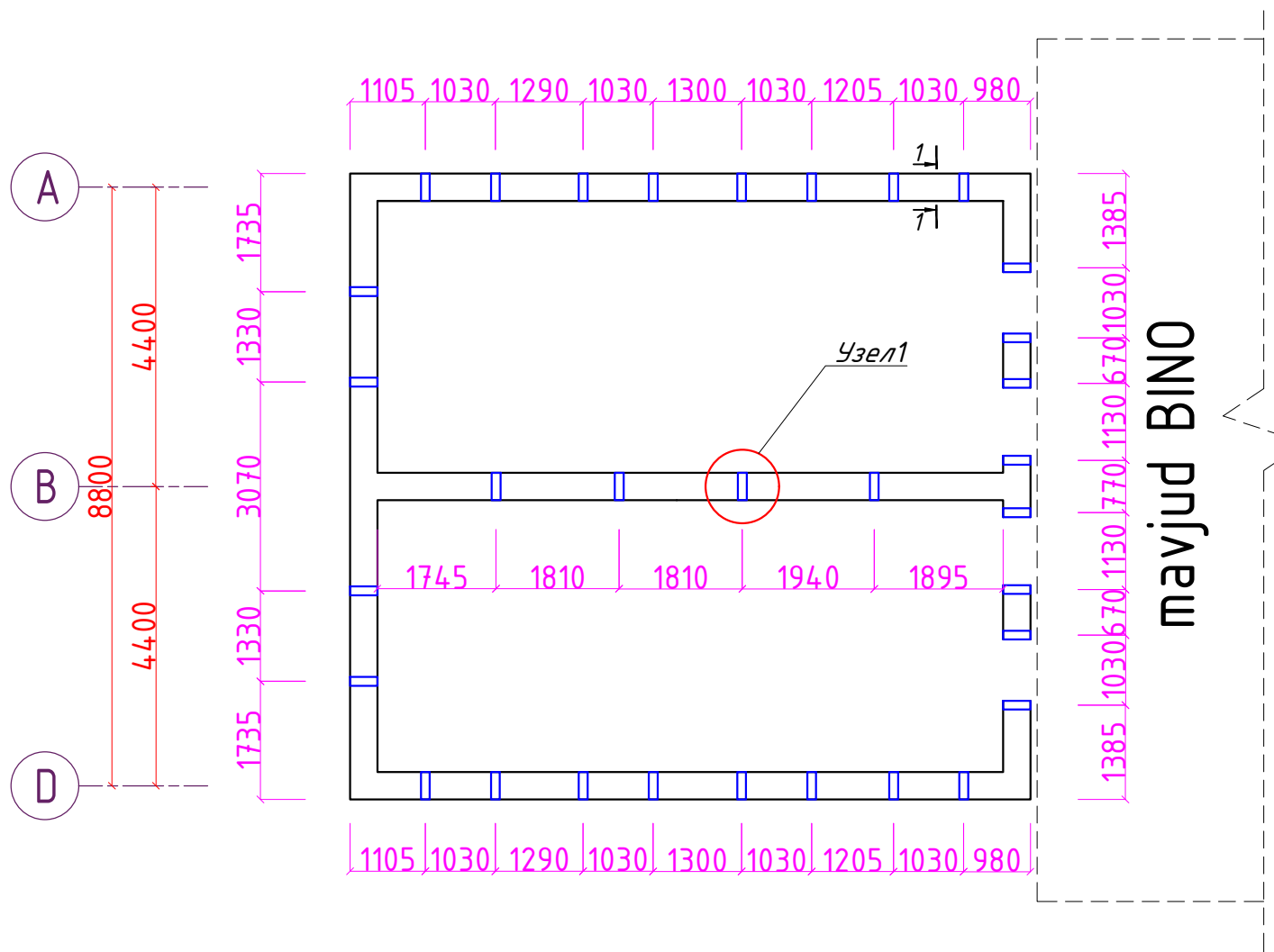
				2026y.	KЖ		
					Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59–sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi		
L.B.M	T.Tilavoldiyev			20 – ochkoli xojatxona	Bosqich	Varoq	Varoqlar
Bajardi:	T.Tilavoldiyev				P.П	1*	12
				Transheya rejasi M 1:500	"EKSPRESS LOYIHA" MCHJ		



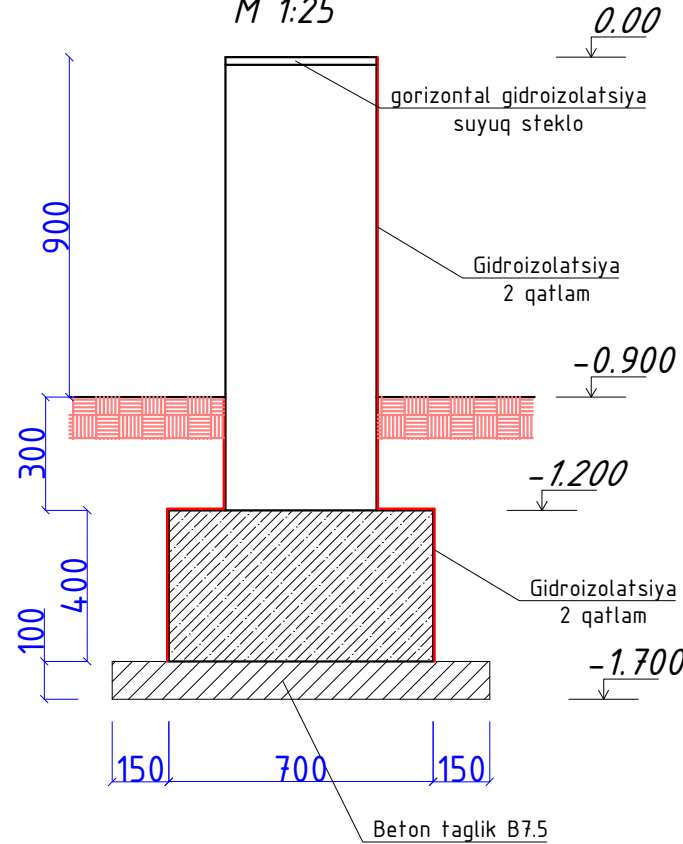
№	Belgilanishi	Nomlanishi	Soni dona	massa kg	Eslatma
	C-1 Setka	Poydevor Asos 46.4 p/m		6.438	298.7kg
1	GOST 5781-82*	A-400 Ø-12mm L-650mm	5	0.5772	2.886kg
2	GOST 5781-82*	A-400 Ø-12mm L-1000mm	4	0.888	3.552kg
		Sheben qoplama	4.64		m ³
		Beton taglik KL B 7.5	4.64		m ³
		Beton KL B 15	35.3		m ³
		Gidroizolatsiya 2 qatlam	78.9		m ²
	C-2 Setka	Poydevor Asos 17.6 p/m		2.886	50.8kg
3	GOST 5781-82*	A-400 Ø-12mm L-250mm	5	0.222	1.11kg
4	GOST 5781-82*	A-400 Ø-12mm L-1000mm	2	0.888	1.776kg
		Beton KL B 15	3.17		m ³
		Gidroizolatsiya 2 qatlam	21.1		m ²

				2026y.	KX			
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L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
					P.П	2	12	
Bajardi:	T.Tilavoldiyev			Poydevor rejasi M 1:500	"EKSPRESS LOYIHA" MCHJ			

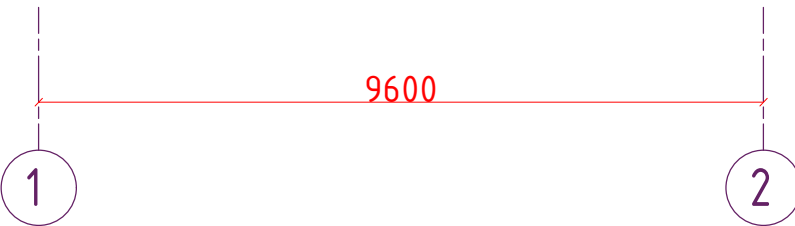
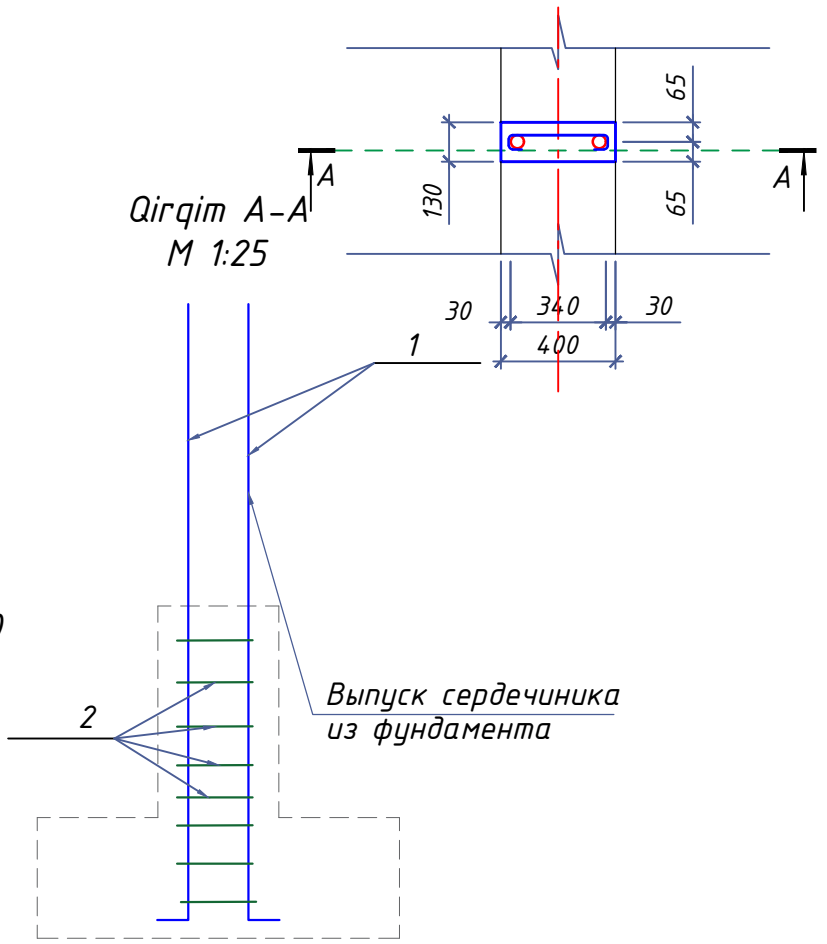
Vipusk sxemasi



Qirgim 1-1
M 1:25



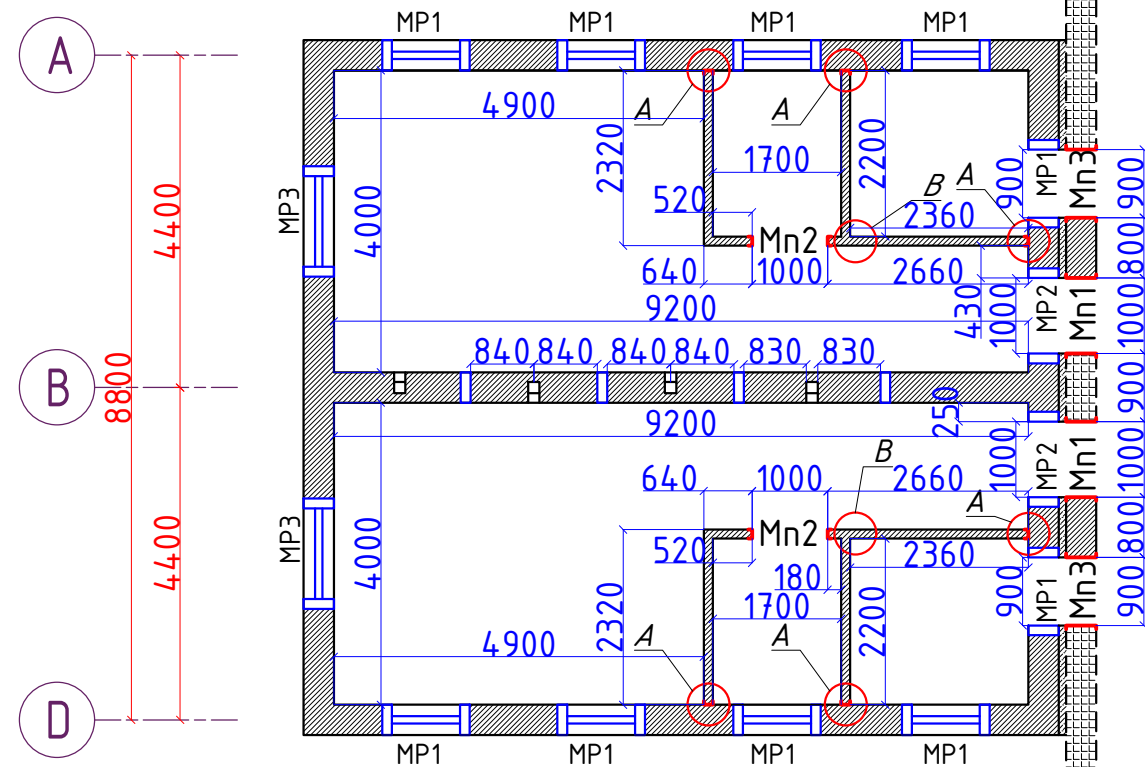
Узел 1
(M 1:25)



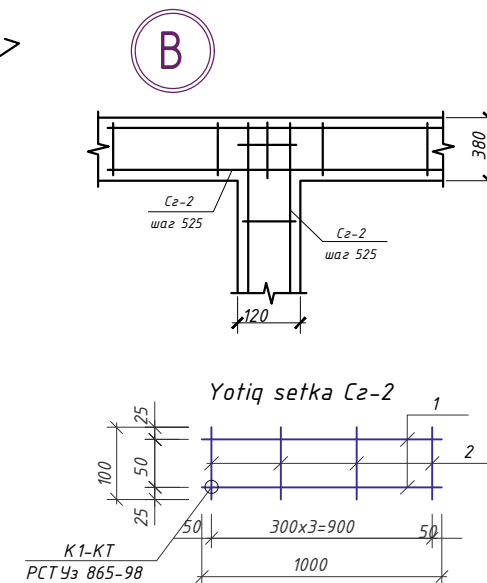
Поэ №	Belgilanishi	Nomlanishi	Soni dona	massa kg	Eslatma
		Vipusk Serdechnik	32	5.700	182.4kg
1	GOST 5781-82*	A-400 Ø-12MM L-2400mm	2	2.131	4.262kg
2	GOST 5781-82*	A-240 Ø-60MM L-540mm	12	0.11988	1.438kg
	Gorizontal gidroizolatsitasi suyuq steklo		18.56		m²
	Gidroizolatsiya 2 qatlam		47.5		m²

POYDEVOR ELEMENTLARINI YIGMA JADVALI															
Elementlar nomi	Beton mahsulotlari		Armatura mahsulotlari											JAMI.	
			Armatura sinfi												
	Beton sinfi.	hajmi. m3.	A-240			A-400									
			GOST 5781-82*			GOST 5781-82*									
			Ø6	Ø8	Ø10	Ø10	Ø12	Ø14	Ø16	Ø18	Ø20	Ø22	Ø25		
Cemka-1	B15	35.3	-	-	-		298.70	-	-	-	-	-	-	298.70	
Cemka-2	B15	3.17	-	-	-		50.80	-	-	-	-	-	-	50.80	
Vipusk serdechnik	B15		46.0	-	-		136.40	-	-	-	-	-	-	182.40	
JAMI:		38.47					485.90							485.90	
				2026y.											KЖ
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY											
				"59-sonli umumta'lim maktabi" hududiga qo'shimcha											
				"Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi											
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona						Bosqich	Varoq	Varoqlar			
Bajardi:	T.Tilavoldiyev									P.П	3	12			
				Vipusk sxemasi						"EKSPRESS LOYIHA" MCHJ					

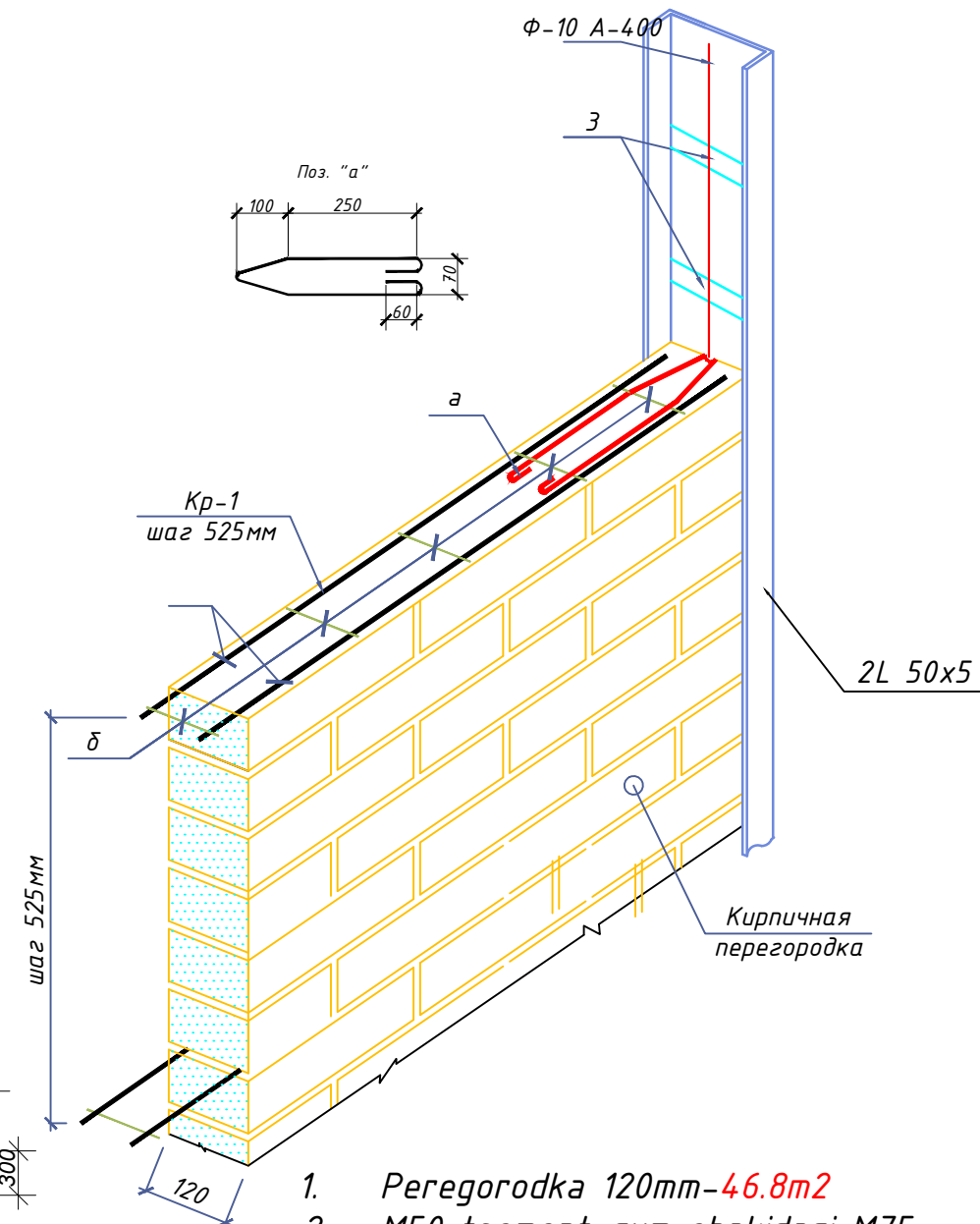
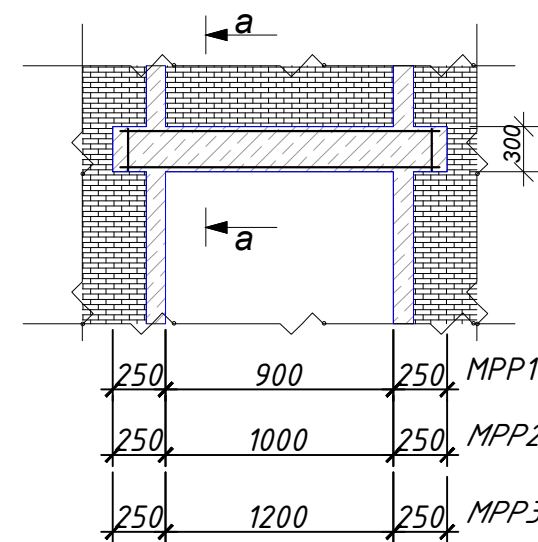
0.000 otmetkadagi devor rejasi



mavjud BINO

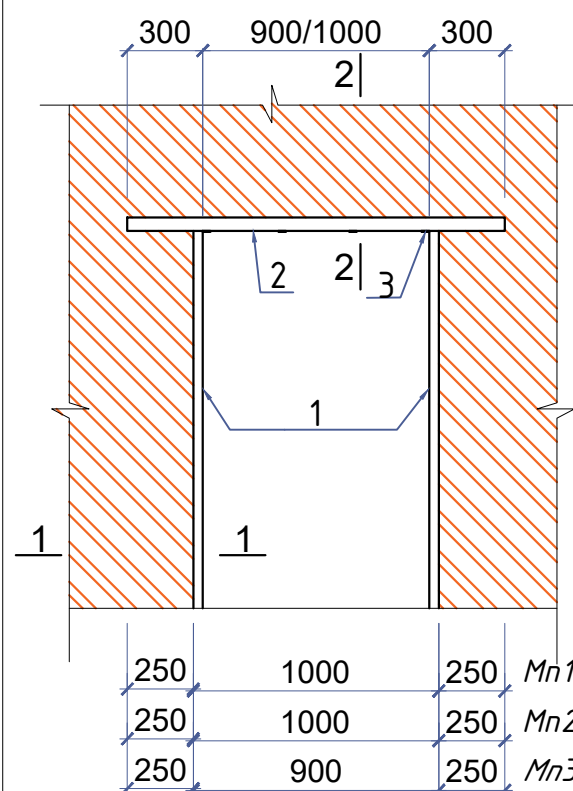


MPP1/MPP2/MPP3

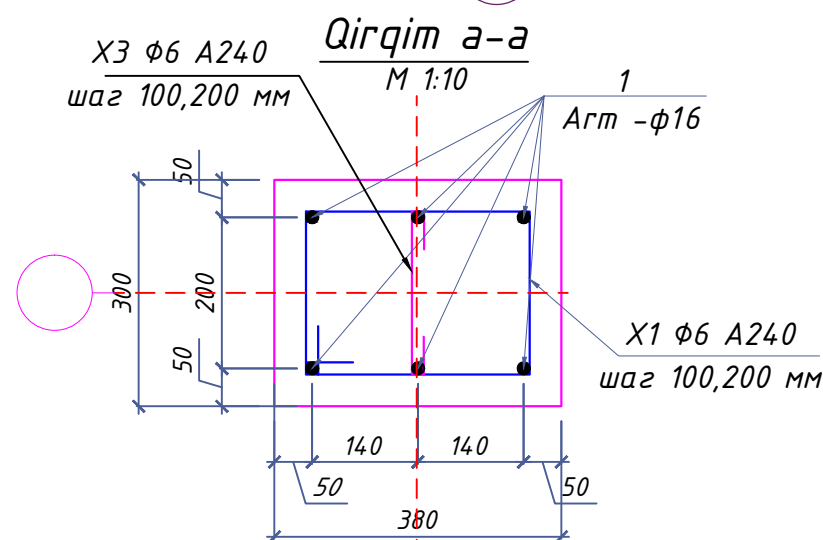


1. Peregorodka 120mm-46.8m²
2. M50 tsement-qum ohakidagi M75 g'ishtdan yasalgan Duvarcılık (180 kPa R 120 kPa) ikkinchi toifadagi Tashki devor - 30.7 m³. Ichki devor - 9.4 m³.
3. Devorning gorizonta tikuvlari balandligi 525 mm bo'lgan c2-1 panjarasi bilan mustahkamlanadi uzunligi 255m x 0,97kg=360kg

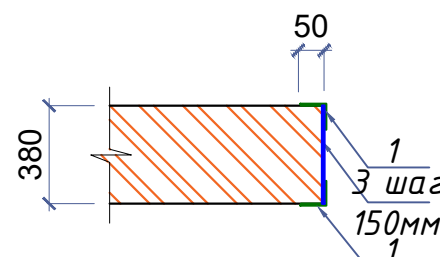
Metal peremichka Mn1/Mn2



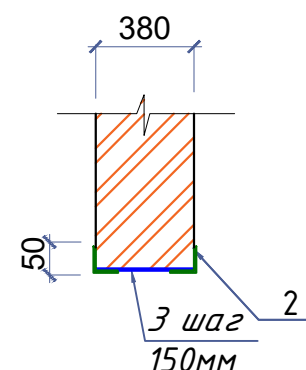
X3 Ø6 A240
шаг 100,200 мм



Qirgim 1-1 (M1:20)



Qirgim 2-2 (M1:20)

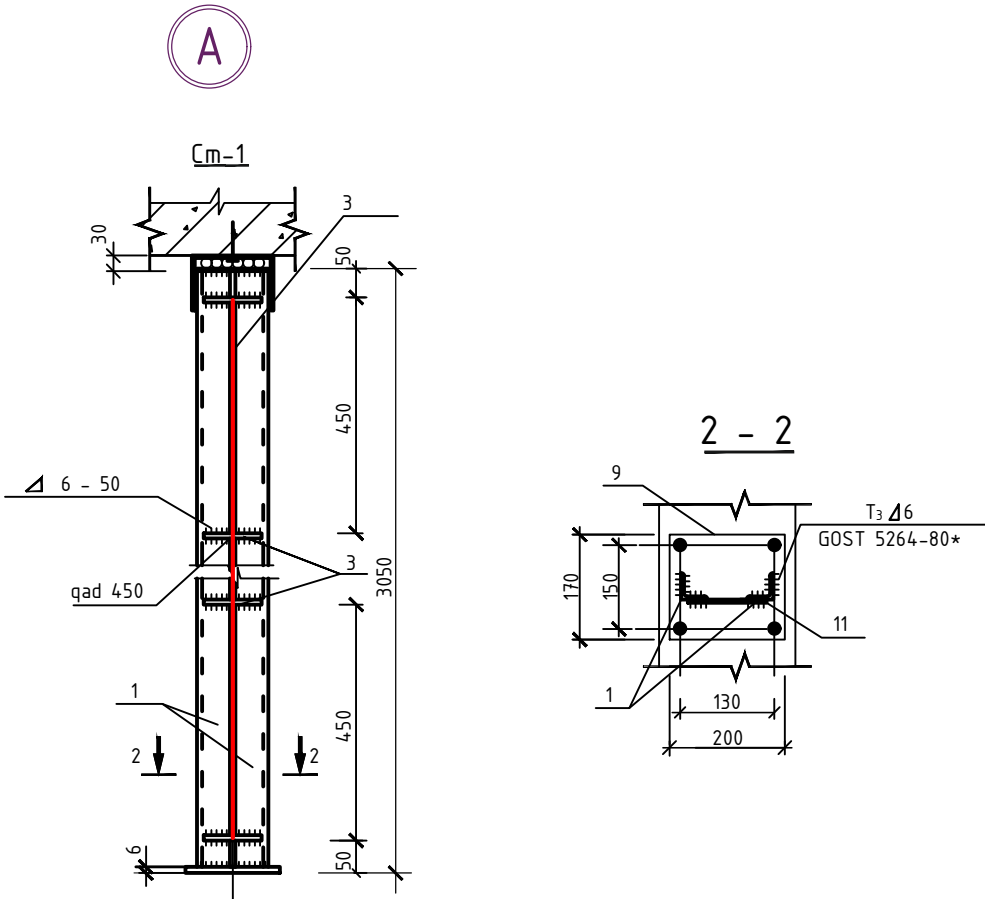


				2026y.	KЖ			
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L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
					P.П	4	12	
Bajardi:	T.Tilavoldiyev			Devor rejasi M 1:500	"EKSPRESS LOYIHA" MCHJ			

Поз.	Belgilanishi	Nomi	Soni	Massa o'lb. kg	Eslatma
	Монолитный пояс перемчка МР1		10		
1	ГОСТ 5781-82	Φ14 А-400 L=1400	6	1.694	10.164
Х-1	ГОСТ 5781-82	Φ6 А-240 L=1320	11	0.303	3.34
Х-2	ГОСТ 5781-82	Φ6 А-240 L=400	11	0.092	1.01
		Ветон В-15	1.60		м3
	Монолитный пояс перемчка МР2		2		
1	ГОСТ 5781-82	Φ14 А-400 L=1500	6	1.815	10.89
Х-1	ГОСТ 5781-82	Φ6 А-240 L=1320	12	0.303	3.64
Х-2	ГОСТ 5781-82	Φ6 А-240 L=400	12	0.092	1.10
		Ветон В-15	0.34		м3
	Монолитный пояс перемчка МР3		2		
1	ГОСТ 5781-82	Φ14 А-400 L=1700	6	2.057	12.34
Х-1	ГОСТ 5781-82	Φ6 А-240 L=1320	14	0.303	4.242
Х-2	ГОСТ 5781-82	Φ6 А-240 L=400	14	0.092	1.288
		Ветон В-15	0.39		м3
	Металлический перемичка Мп1		2	53.9	107.8kg
1	GOST 8509-86	Ugolok 50x50x5 L=2100	4	7.854	31.42
2	GOST 8509-86	Ugolok 50x50x5 L=1600	2	5.98	11.97
3	GOST 103-76*	Po'lat tasma 5x50 L=380	14	0.75	10.5
	Металлический перемичка Мп2		2	46.75	93.5kg
1	GOST 8509-86	Ugolok 50x50x5 L=2100	4	7.854	31.42
2	GOST 8509-86	Ugolok 50x50x5 L=1600	2	5.98	11.97
3	GOST 103-76*	Po'lat tasma 5x50 L=120	14	0.24	3.36
	Металлический перемичка Мп3		2	53.1	106.3kg
1	GOST 8509-86	Ugolok 50x50x5 L=2100	4	7.854	31.42
2	GOST 8509-86	Ugolok 50x50x5 L=1500	2	5.61	11.22
3	GOST 103-76*	Po'lat tasma 5x50 L=380	14	0.75	10.5
	UZEL A		6	25.94	155.64
1	GOST 8509-86	Ugolok 50x50x5 L=3000	2	11.22	22.4
2	GOST 103-76*	Po'lat tasma 5x50 L=120	7	0.24	1.68
3	GOST 5781-82*	Φ-10 А-400 L=3000	1	1.86	1.86

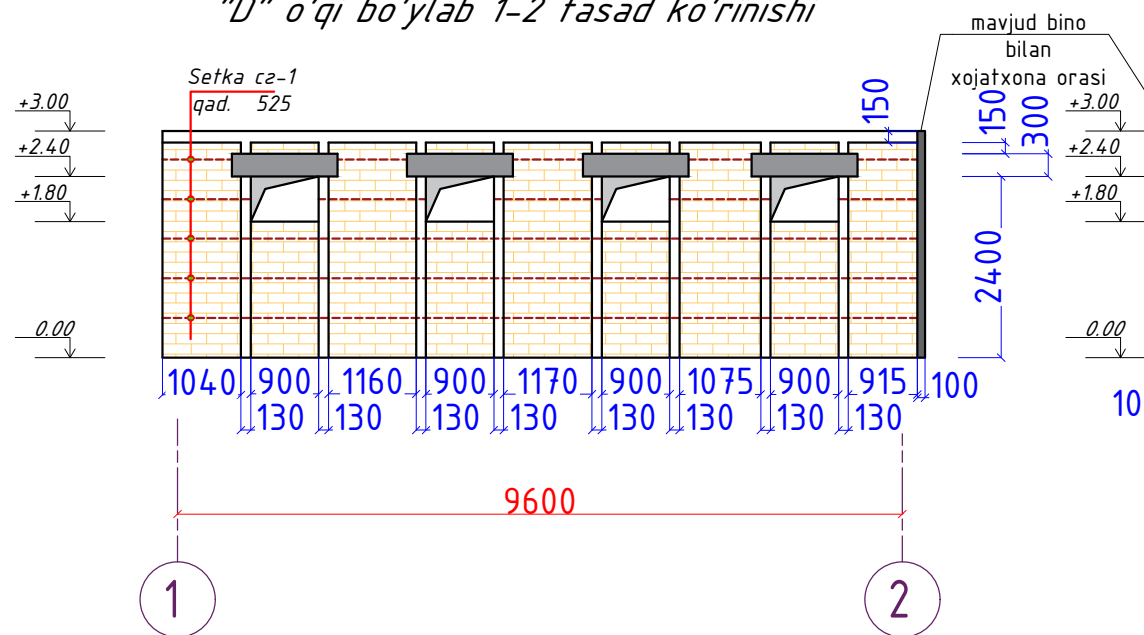
1. Кладка наружный стен из кирпича t=120 (48.36 м2)

Сз-2		Сетка сз-2 L общ.=17.52 м/м.	17,5	0.787	13.78
1	GOST 6727-80	Φ5 Вр/ L=1000	5	0,154	0.770
2	GOST 6727-80	Φ3 Вр/ L=100	3	0,006	0.017

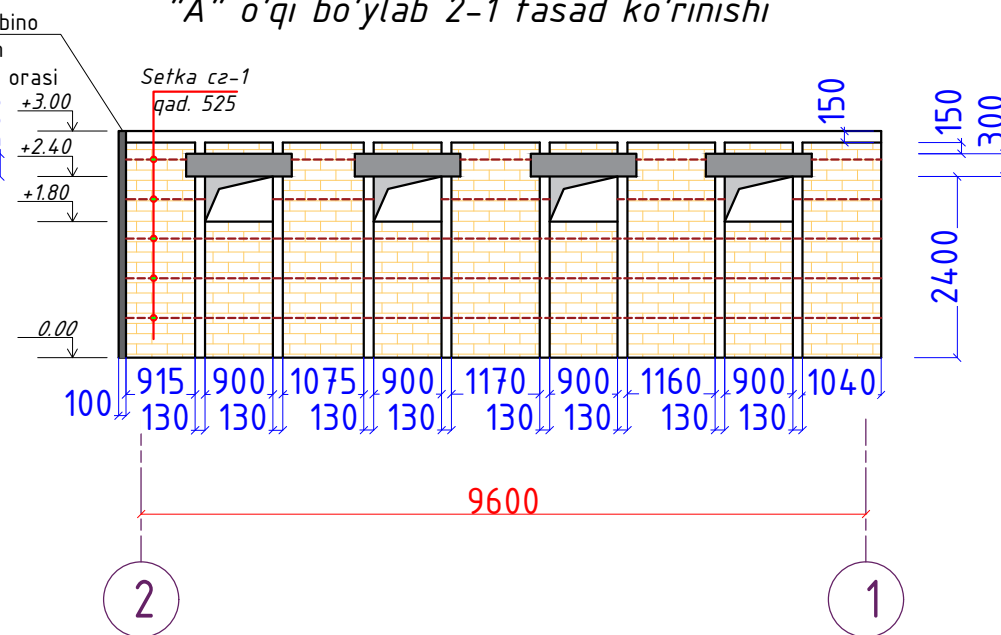


				2026y.	КЖ		
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L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar
Bajardi:	T.Tilavoldiyev				P.П	5	12
				Devor elementlar spetsifikatsiyasi	"EKSPRESS LOYIHA" MCHJ		

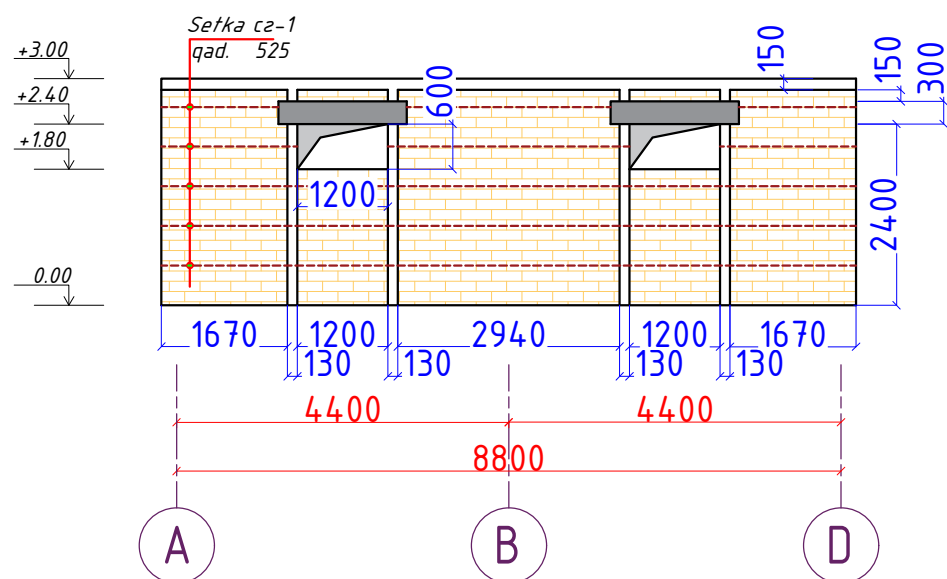
"D" o'qi bo'ylab 1-2 fasad ko'rinishi



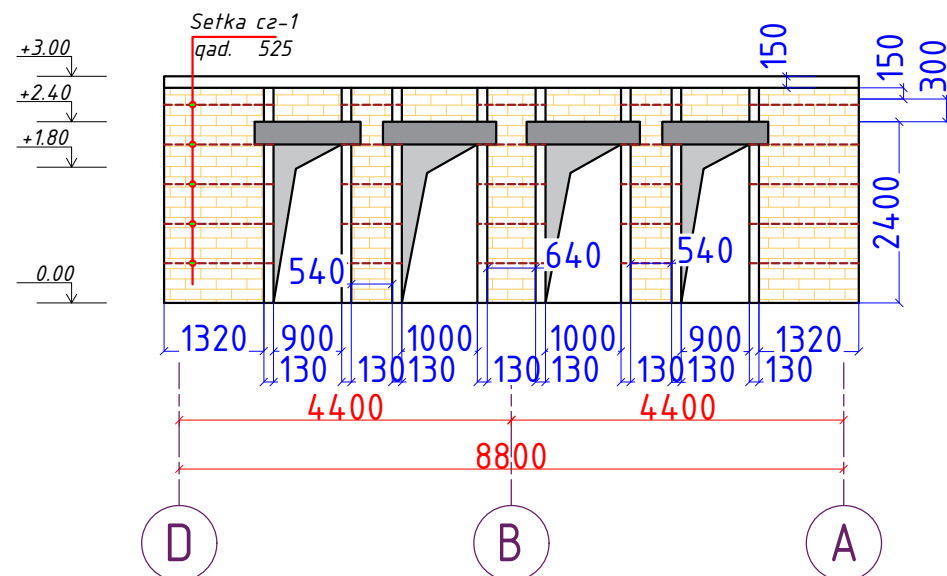
"A" o'qi bo'ylab 2-1 fasad ko'rinishi



"1" o'qi bo'ylab D-A fasad ko'rinishi



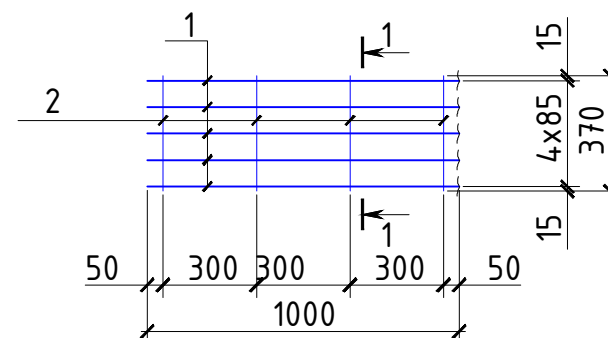
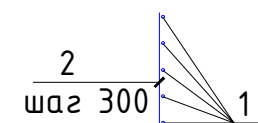
"2" o'qi bo'ylab D-A fasad ko'rinishi

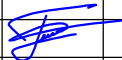


1. Кладка наружный стен из кирпича $t=380$ – 30.7 мЗ (80.8 м2)
2. Кладка внутренний стен из кирпича $t=380$ – 9.4 мЗ (24.74 м2)

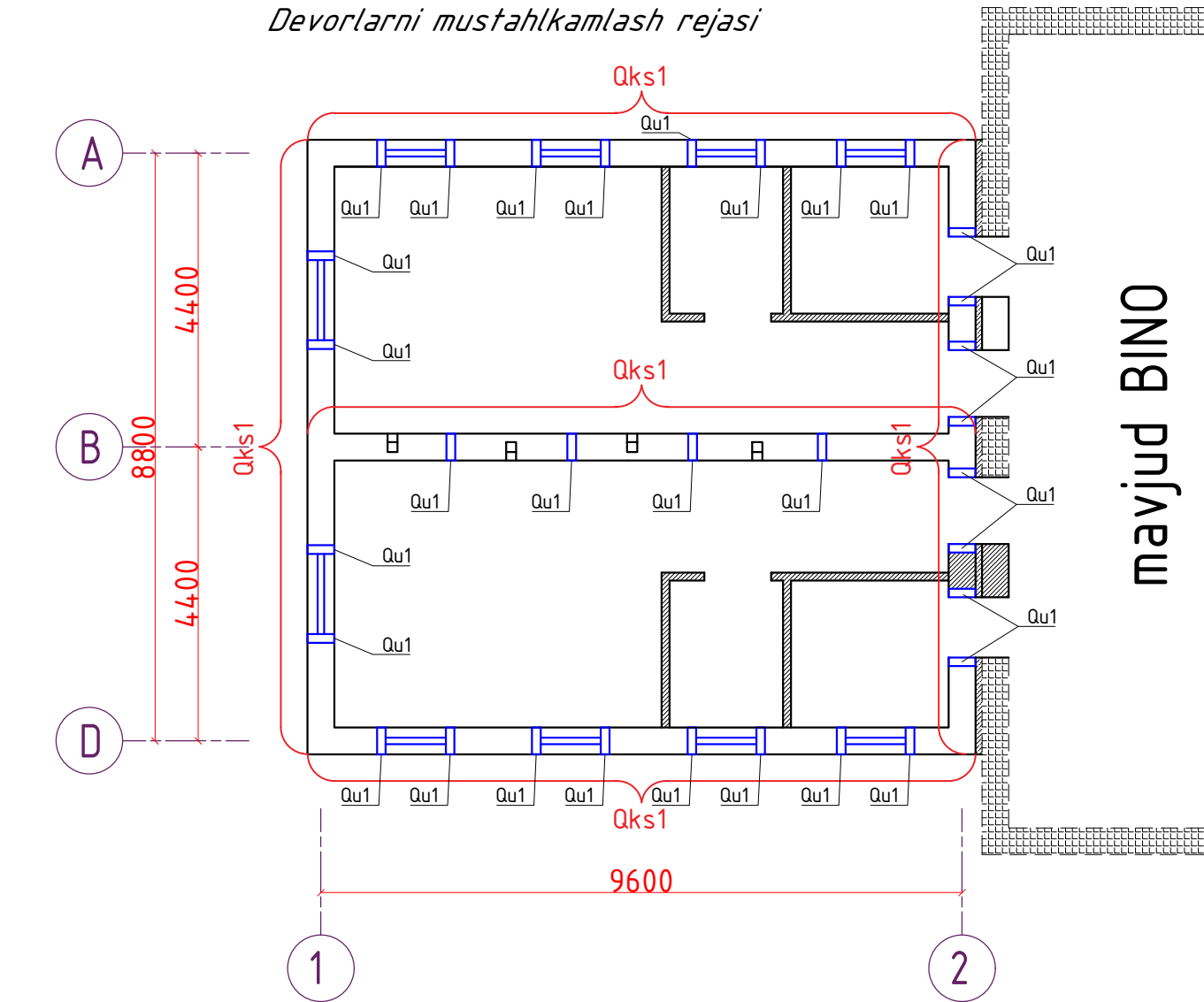
С2-1		Сетка с2-1 L общ.=46.4 п/м.	46,4	0.83	38.37
1	GOST 6727-80	φ5 Врл L=1000	5	0,154	0,77
2	GOST 6727-80	φ3 Врл L=350	3	0,019	0,06

Setka cz -1

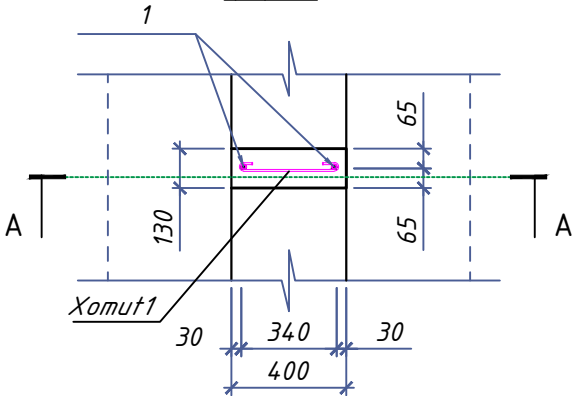

$$\underline{1 - 1}$$


				2026y.	KX			
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L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
Bajardi:	T.Tilavoldiyev				P.П	6	12	
				Devor fasadlar ko'rinishi	"EKSPRESS LOYIHA" MCHJ			

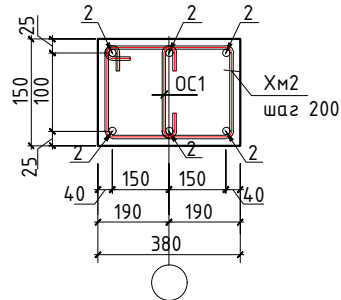
Devorlarni mustahkamlash rejasi



Quyma ustun Qu1
(M 1:25)



Quyma kamar sarbasta Qks-1



Devorlarni mustahkamlash elementlari tavsifi.

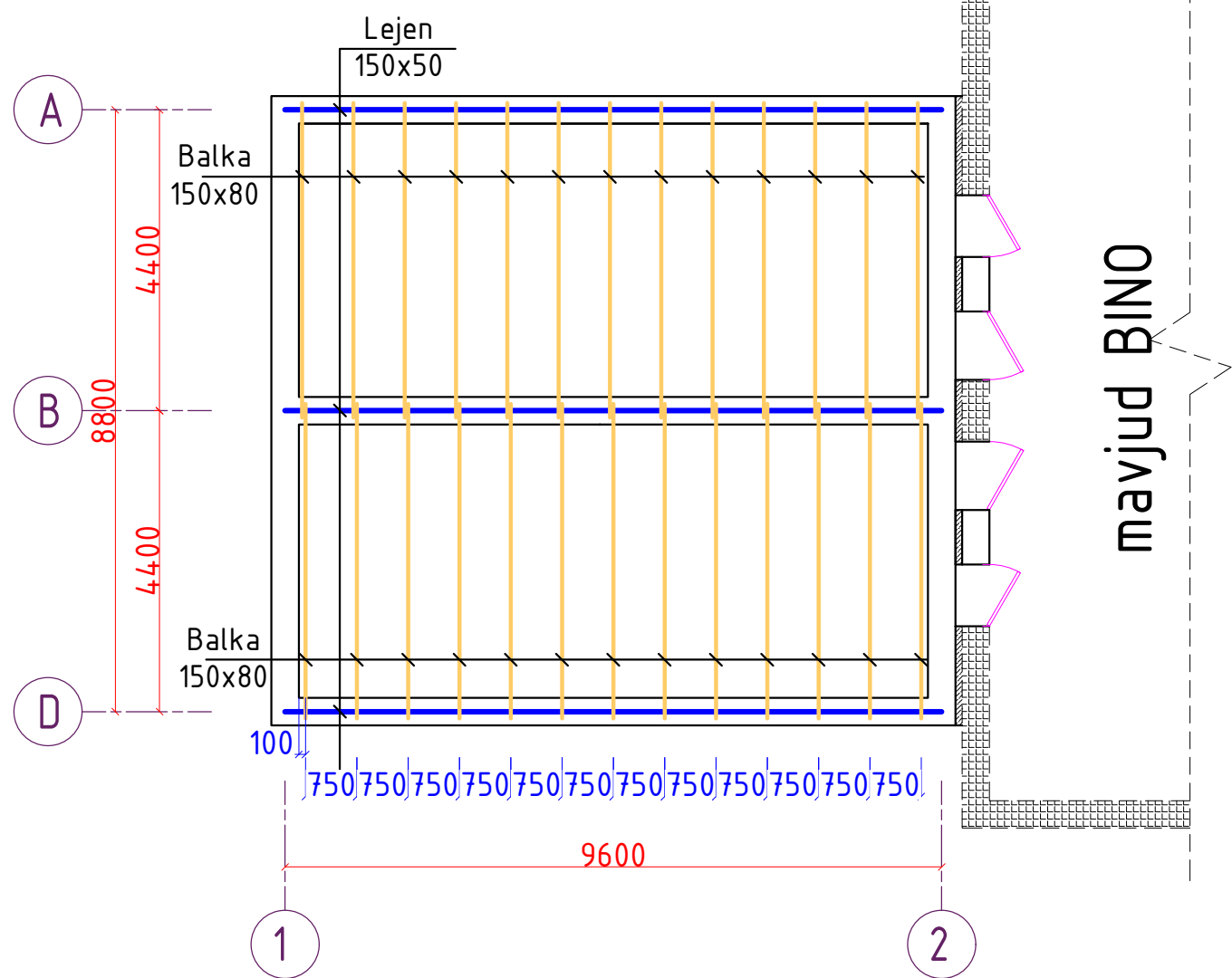
Nº	Belgilanishi	Nomlanishi	Son.	Og'irlik ed. kg	Eslatma kg. m3.
Quyma ustun Qu1 32 dona			32.00		dona
1	ГОСТ 5781-82*	φ12 AIII L=2.9 м	2	2.575	164.81
Xomut1	ГОСТ 5781-82*	φ6 AI L=0.57 м	18	0.13	72.89
Бетон кл. В15, W4 (θ/υ ≤ 0.60) м³					4.74
Quyma kamar sarbasta Qks1 B=380 мм. L=46.4 м			46.40		metr
2	ГОСТ 5781-82*	φ14 AIII L=1,0 м	6	1.210	336.86
Xomut2	ГОСТ 5781-82*	φ6 AIII L=1,0 м	5	0.222	51.50
OC1	ГОСТ 5781-82*	φ6 AIII L=0,20 м	5	0.044	10.30
Бетон кл. В15, W4 (θ/υ ≤ 0.60) м³					2.78

DEVORLARNI MUSTAXKAMLASH ELEMENTLARINI YIGMA JADVALI

DEVORLARNI MUSTAXKAMLASH ELEMENTLARINI YIGMA JADVALI													
Elementlar nomi	Beton mahsulotlari		Armatura mahsulotlari										JAMI.
			Armatura sinfi										
	Beton sinfi.	hajmi. m3.	A-240			A-400							
			GOST 5781-82*			GOST 5781-82*							
			Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø18	Ø20	Ø22	Ø25	
Monolit peremichka MPP1	B15	1.6	43.5	–	–		–	132.7		–	–	–	176.20
Monolit peremichka MPP2	B15	0.34	9.48	–	–	–	–	28.44	–	–	–	–	37.92
Monolit peremichka MPP3	B15	0.39	11.06	–	–	–	–	32.23	–	–	–	–	43.29
Quyma ustun Qu1	B15	4.74	72.89	–	–	–	–	32.23	–	–	–	–	105.12
Quyma kamar sarbasta Qks1	B15	2.78	61.8	–	–	–	336.86	–	–	–	–	–	398.66
JAMI:		2.33	198.73				336.86	225.60					761.19

				2026y.	KЖ			
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59-sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi				
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
Bajardi:	T.Tilavoldiyev				P.П	7	12	
				Devor mustahkamlash rejasi	"EKSPRESS LOYIHA" MCHJ			

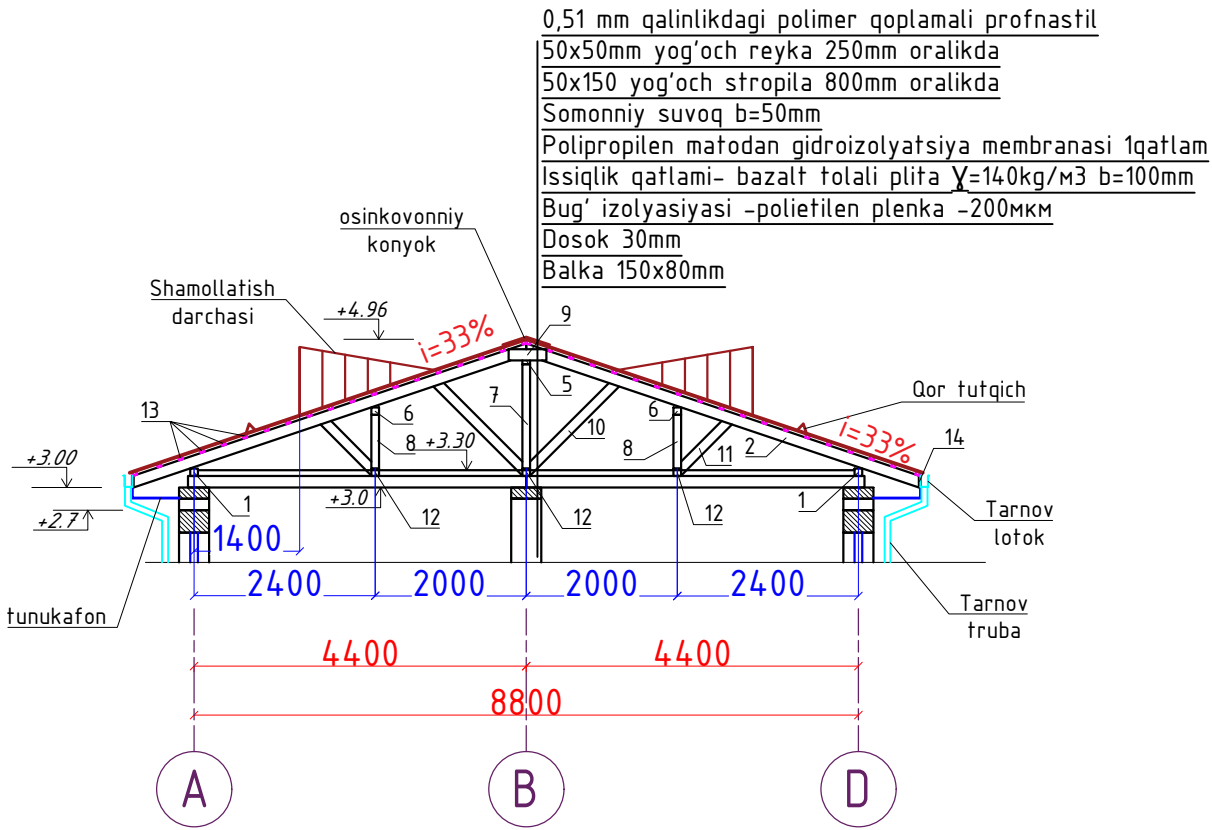
tom yopma elementlar joylashuv rejasi



Eslatma

1. Ushbu varaqni L.- bilan birgalikda o'qing
2. Yog'och konstruktsiyalarni biriktirishning barcha tarkibiy qismlari pnevmatik asbob yordamida elim bilan bog'langan maxsus mixlar bilan amalga oshiriladi;
3. O'rnatishdan oldin barcha yog'och tuzilmalarni antiseptik va antipiretik qiling. Barcha ishlar KMK 2.03.10-2011 ga muvofiq amalga oshiriladi.
4. Qabul qilingan kompozitsiya o'tinni himoya qilish, bioprotektiv va vlogoprotektiv yog'ochni ta'minlaydi. GOST 16363-98 ga muvofiq yong'inga qarshi samaradorlikning II guruhiga muvofiq yong'inga qarshi vositani taqdim eting

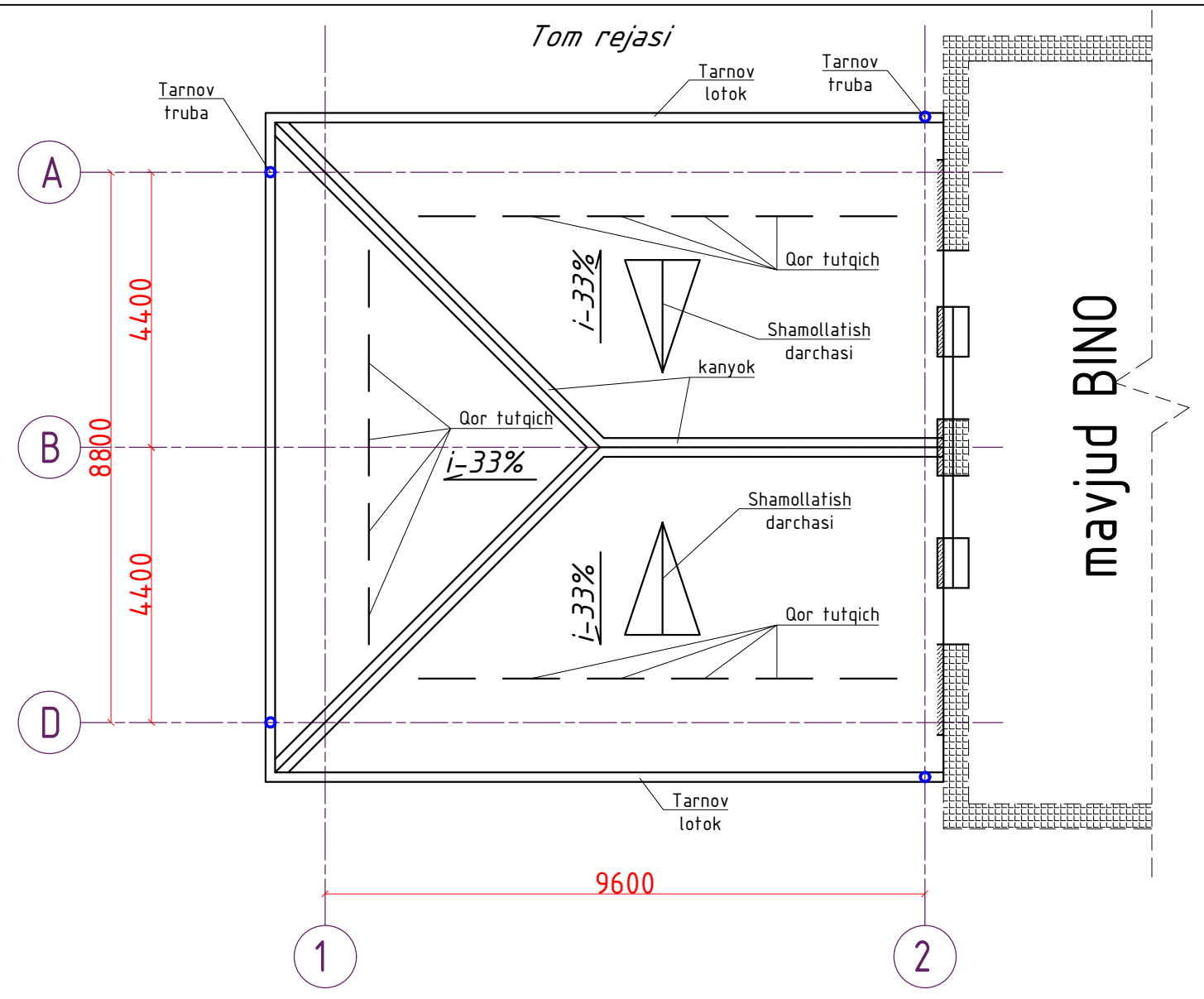
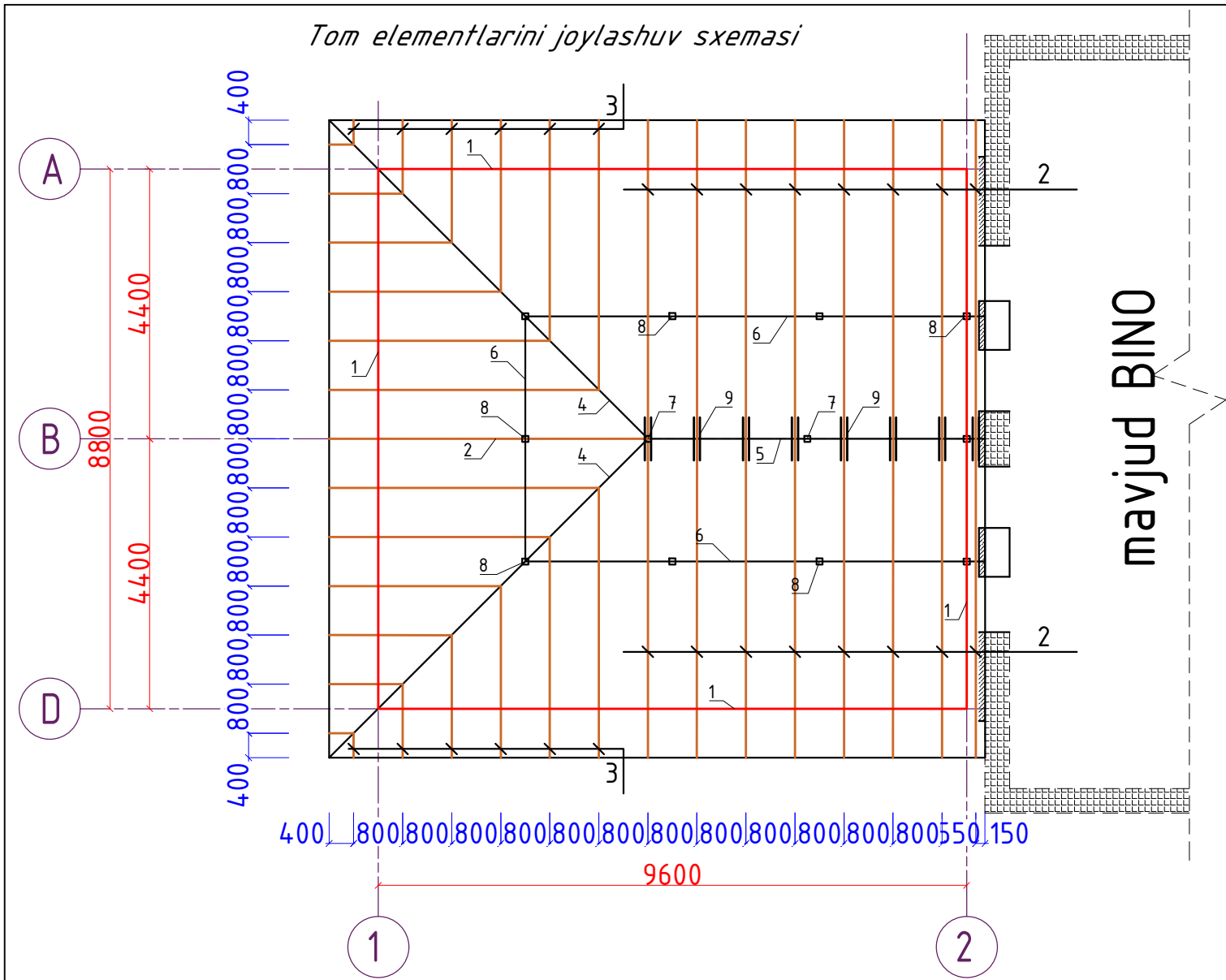
Qirqim 1-1



0,51 mm qalinlikdagi polimer qoplamali profnastil
50x50mm yog'och reyka 250mm oralikda
50x150 yog'och stropila 800mm oralikda
Somonniy suvoq b=50mm
Polipropilen matodan gidroizolyatsiya membranasini 1qatlam
Issiqlik qatlami- bazalt tolali plita $\gamma=140\text{kg/m}^3$ b=100mm
Bug' izolyatsiyasi -polietilen plenka -200mm
Dosok 30mm
Balka 150x80mm

Nº	Belgilanishi	Nomlanishi				0.00000 0	Hajmi dona metr	Eslatma
1	GOST 24454-80E	Balka	150	x	80	L= 4,6	26.00	0.012 1.435 m³
2	GOST 24454-80E	Lejen	50	x	150	L= 9,60	3	0.008 0.216 m³
3	GOST 24454-80E	dosok	30	x	700	0,00	93	0.372 m²

				2026y.	KX		
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59-sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi			
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar
Bajardi:	T.Tilavoldiyev				P.П	8	12
				tom yopma elementlar joylashuv rejasi	"EKSPRESS LOYIHA" MCHJ		

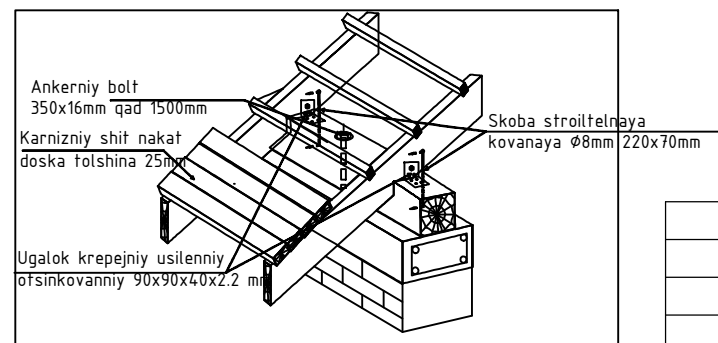
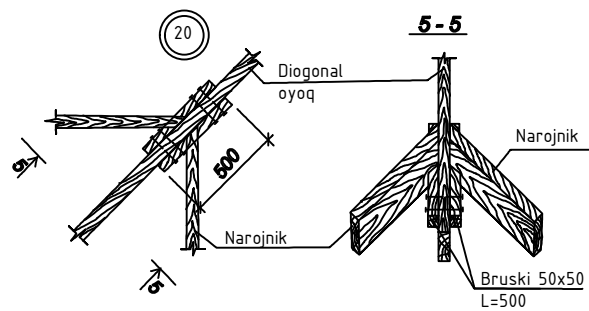
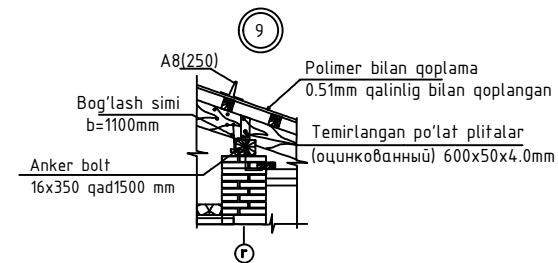
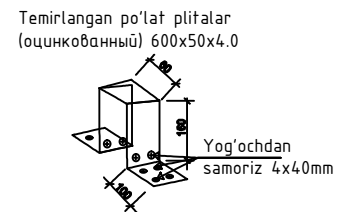
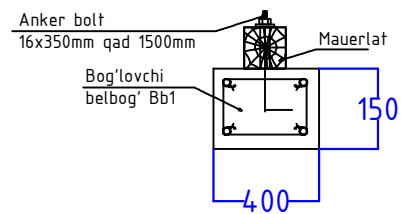
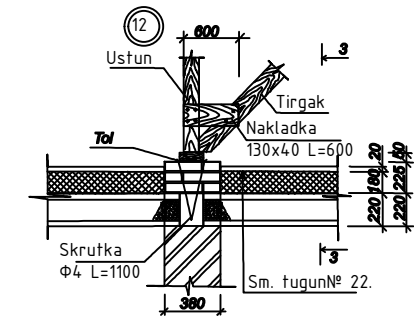
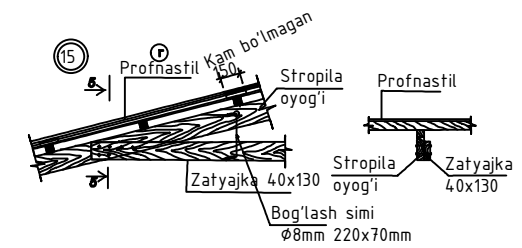
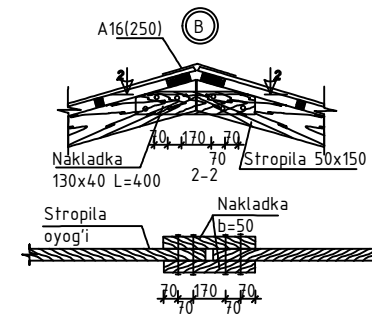
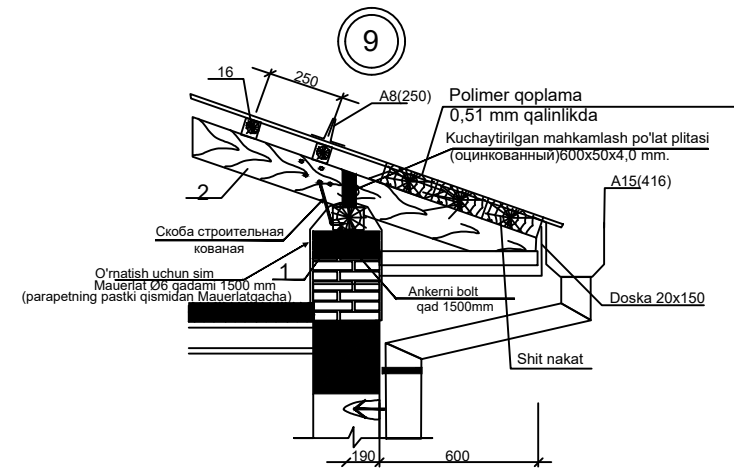
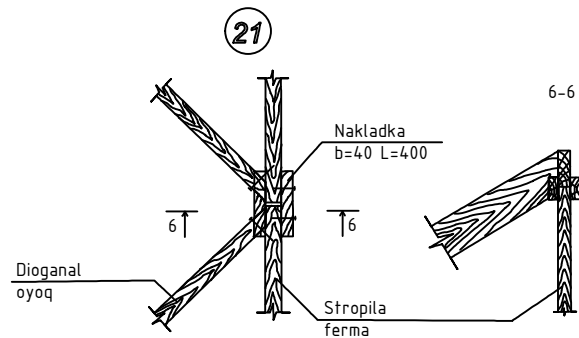
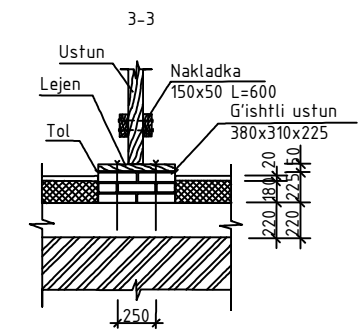
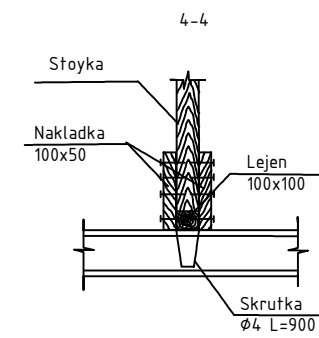
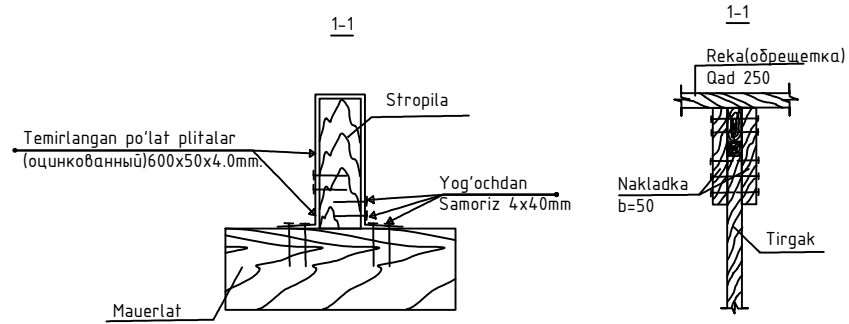
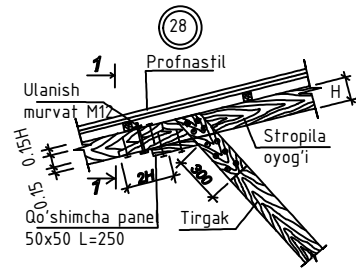


				2026y.	KЖ		
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY			
				"59-sonli umumta'lim maktabi" hududiga qo'shimcha			
				"Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi			
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar
					P.П	9	12
Bajardi:	T.Tilavoldiyev			Tom elementlarini joylashuv sxemasi	"EKSPRESS LOYIHA" MCHJ		

№	Belgilanishi	Nomlanishi					0.00000 0	Hajmi dona metr	Eslatma	
1	GOST 24454-80E	Mauerlat	100	x	100	L= umumiy	36.80	0.0100	0.3680	m ³
2	GOST 24454-80E	Stropila	50	x	150	L= 5,60	17	0.0075	0.7140	m ³
3	GOST 24454-80E	Narojnik	50	x	150	L= umumiy	57.60	0.0075	0.4320	m ³
4	GOST 24454-80E	Diogonal oyoq	50	x	150	L= 7.5	2	0.0075	0.1125	m ³
5	GOST 24454-80E	progon	100	x	100	L= umumiy	5,50	0.0100	0.0550	m ³
6	GOST 24454-80E	Progon	100	x	100	L= umumiy	19,00	0.0100	0.1900	m ³
7	GOST 24454-80E	Ustun	100	x	100	L= 1,38	3,00	0.0100	0.0900	m ³
8	GOST 24454-80E	Ustun	100	x	100	L= 0,73	9	0.0100	0.0657	m ³
9	GOST 24454-80E	Patkos	40	x	130	L= 0,60	8	0.0052	0.0250	m ³
10	GOST 24454-80E	Raskos	40	x	130	L= 1,85	6	0.0052	0.0577	m ³
11	GOST 24454-80E	Raskos	40	x	130	L= 1,00	18	0.0052	0.0936	m ³
12	GOST 24454-80E	Lejen	50	x	150	L= umumiy	25	0.0075	0.1838	m ³
13	GOST 24454-80E	Yog'och reyka	50	x	50	L= umumiy	389	0.0025	0.9720	m ³
14	GOST 24454-80E	Tarnov doskasi	20	x	150	L= umumiy	32,7	0.0030	0.0981	m ³
15		Shitnakat	30	x	700	L= umumiy			m ²	
16		Otsinkovanniy Kanyok				L= umumiy	20		m	
17		Profnastil qalinligi b = 0,51 mm						118,77	m ²	
18		Tarnov (ломок)						29,40	m	
19		Tarnov trubasi						18	m	
20		Tunikafon qoplamasi						40	m ²	
21		Qor ushlagich						27,00	m	
22		Anker bolti 350x16mm шаз 1500mm					25	0,045	1.10	кз
23		Kuchaytirilgan ruhlangan mahkamlash burchagi 80x80x40 δ=2,5mm					41	0.244	10.00	
24	GOST 7795-70	Ruhlangan bo'lt					41	0.045	1.85	кз
25		Саморезы (шурупы) по дереву 4x40mm					246		dona	
26		Скоба строительный кованная Ø6mm 220x60mm					41	0.075	3.08	кз
27		Bog'lash simi Ø6 L=1100 шаз 1500mm					25	0.244	5.99	кз
28		Shamollatish darchasi					2		dona	
0										
0		Umumiy yog'och						2.3872		
0		Umumiy reyka (обрешетка)						0.972		

				2026y.	КЖ		
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59-sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi			
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar
Bajardi:	T.Tilavoldiyev				P.П	10	12
				Tom elementlar spetsifikatsiyas	"EKSPRESS LOYIHA" MCHJ		

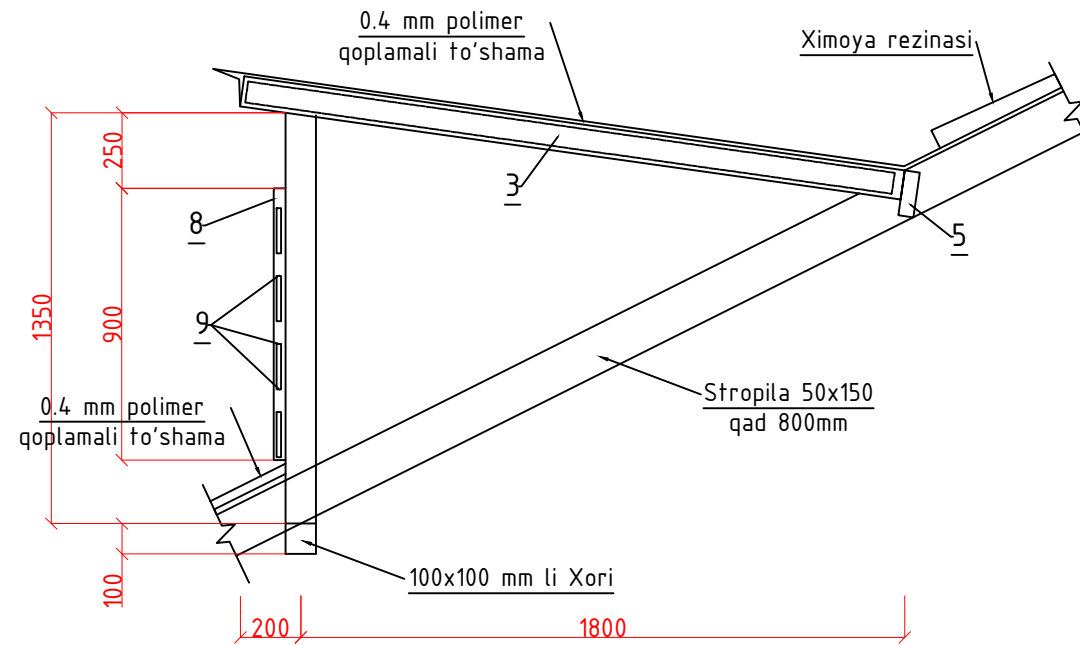
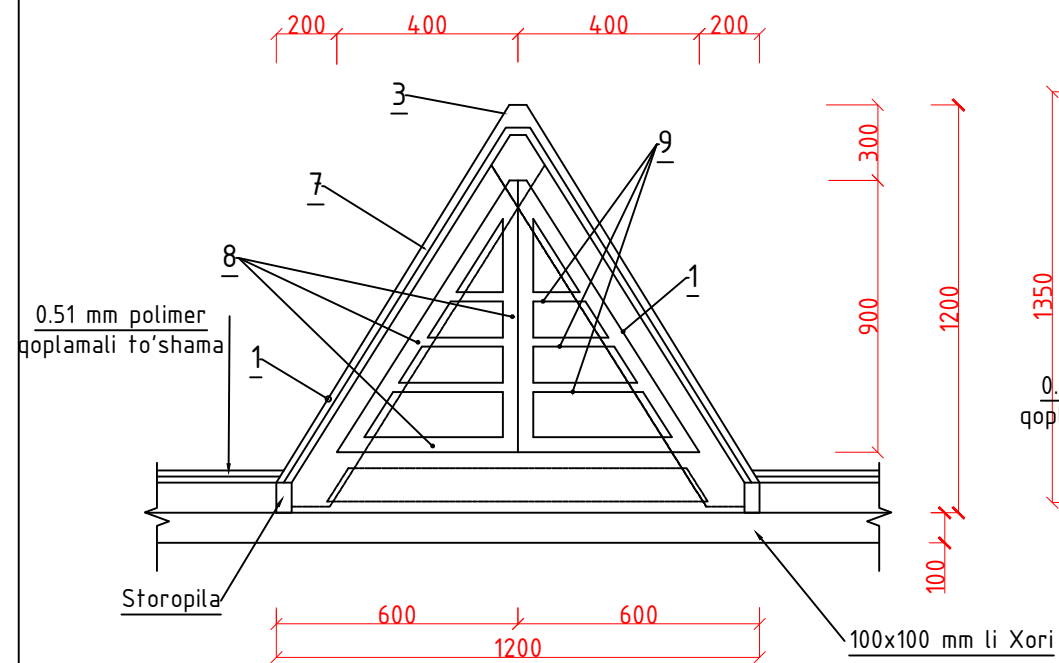
Tom elementlarining joylashuvi



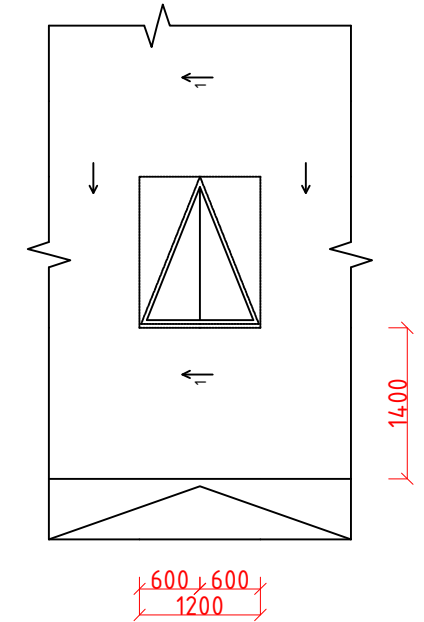
				2026y.	KX			
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59-sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi				
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
					P.П	11	12	
Bajardi:	T.Tilavoldiyev			Tom elementlarining joylashuvi	"EKSPRESS LOYIHA" MCHJ			

Shamollatish darchasi

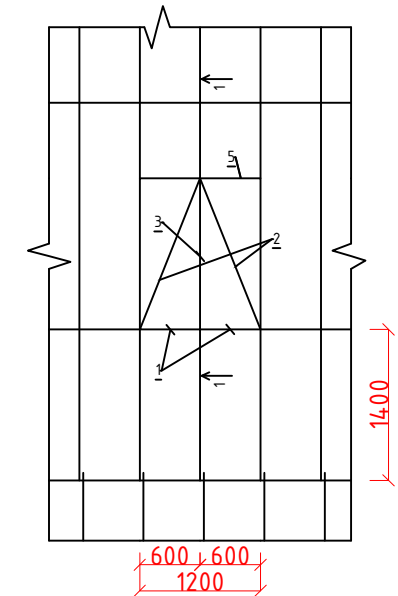
Tugun "A"



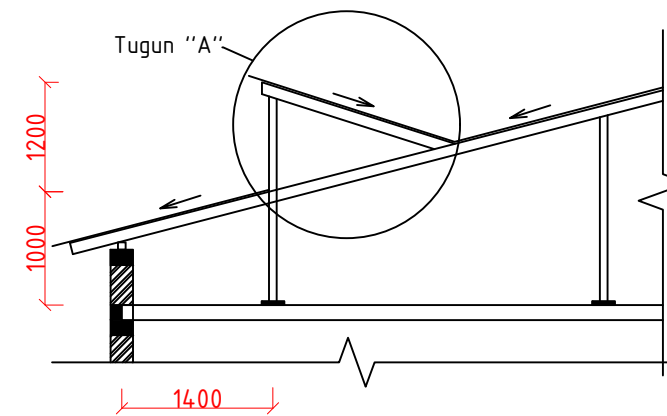
Xavo almashtirish oynasining loyixasi



Tom rejasi



1-1 Qirgim



Paraped mustaxkamlash elementlari spesifikatsiyasi

Marka	Belgilanish	Nomlanish	Soni	Massa	Eslatma.
	Xavo almashtirish oynasi				
1	GOST24454-80E	Yog'och doska 50x150 L=1600	2	0.024	0.2266 m3
2	GOST224454-80E	Stropila 50x150 L=2100	2	0.0315	
3	GOST224454-80E	Xori 100x100 L=2300	1	0.023	
4	GOST224454-80E	Yog'och doska 50x150 L=1500	1	0.0011	
5	GOST224454-80E	Yog'och doska 50x150 L=1600	1	0.012	
6	GOST224454-80E	Yog'och qoplama t=25 mm	m2	5.4	
7	GOST214918-80	0.51 mm polimer qoplamali to'shama	m2	5.4	
	Oyna				
8	GOST224454-80E	Yog'och rama 70x40 mm	5(m)	0.014	0.044 m3
9	GOST224454-80E	Yog'och reyka 50x30 mm	1.8(m)	0.003	

				2026y.	KЖ			
				Andijon viloyati Shaxrixon tumani Barkamol avlod MFY "59-sonli umumta'lim maktabi" hududiga qo'shimcha "Zamonaviy tipdagi xojatxona" bino inshootlari qurilishi				
L.B.M	T.Tilavoldiyev			20 - ochkoli xojatxona	Bosqich	Varoq	Varoqlar	
					P.П	12	12	
Bajardi:	T.Tilavoldiyev			Shamollatish darchasi	"EKSPRESS LOYIHA" MCHJ			