ЧУМХУРИИ ТОЧИКИСТОН -- REPUBLIC OF TAJIKISTAN

Private Buisnessman Aslam Pochoev

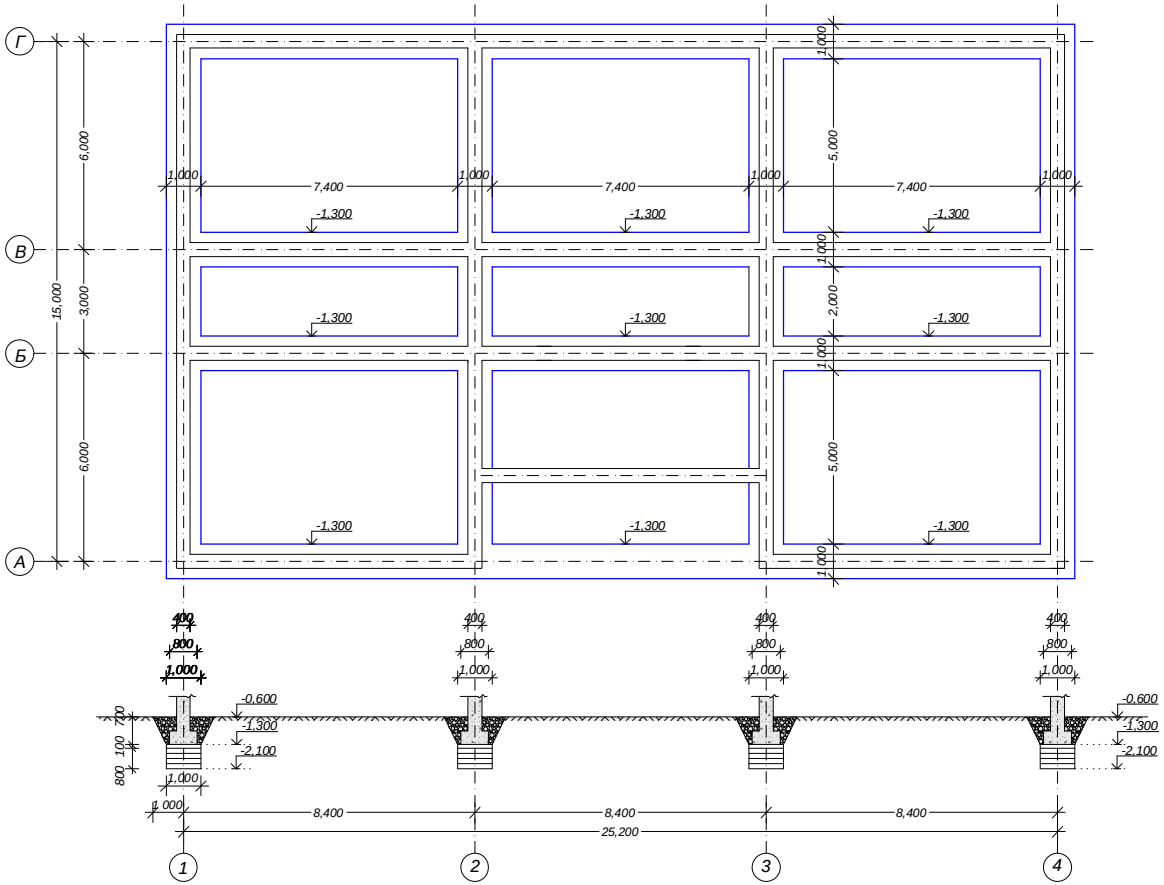
PROJECT WORKING DESIGN

Construction of 5 additional classrooms in secondary school N 3, Farkhor district.

CC - Construction Concept

Kulob - 2014

Location scheme trenches for the foundations M 1:100



GENERAL NOTES

1. The construction site is composed of clayey soils, II type for the manifestation of subsidence properties. Water table is at a depth of 8 m.

2. Partial elimination of subsiding soil properties (according to the requirements of paragraphs 3.12, 3.13 SNIP 2.02.01-83 "Foundations of buildings and structures") is produced by small-permeable screen device, a thickness of 0.80 m., Of local soil optimum moisture content W = 0,211 and water protection measures.

3. Laying the ground produced layers not exceeding 20 sm., With self-propelled rolling rollers weighing 10 tons., With the number of penetrations 8-10.
Soil density in the dry state at the lower end of the packed bed and the entire thickness of pad must be at least 1.7 t / m 3, and backfilling foundations sinuses is not less than 1.6 t / m3.

4. To avoid penetration of precipitation to the surrounding area in the trenches, the latter to protect the shaft height of 30 sm.

5. Quality control is carried out technical inspection of the customer and building organization. Only after the conclusion of the relevant inspection permitted further production work.

6. When work guided by the requirements of SNIP 3.02.01-87 "earthworks, bases and foundations."

7.Seismicity of the construction site - 7 points.

8. Over 0,000 reference mark adopted floor 1st floor, corresponding to an absolute mark _____ on the general plan.

WARNING!

All engineering communications (OB, EC, EL, gas, telecommunications, and others.), Located on the territory of the projected building will be moved outside the construction site.

Before digging the pit and dismantling of these communications need to call representatives of the services with aim of harmonizing transference and ensure the safe and normal operation.
Breaks between the end of the development foundation pit, the device ground pillows and construction of the foundation is not allowed. If occurred break in this technology, before you start the next work to analyze the state of the natural soil in the pit, or already erected dirt pillows and only after receipt of the design data to continue working.

							CC
							Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data		
							Architectural-planing solution
GIP		M. Shamsov					
							Location scheme trenches for the foundations M 1:100
Developed		A. Pochoev					
Checked		M. Shamsov					

Stage	Page	Pages
WD	3	

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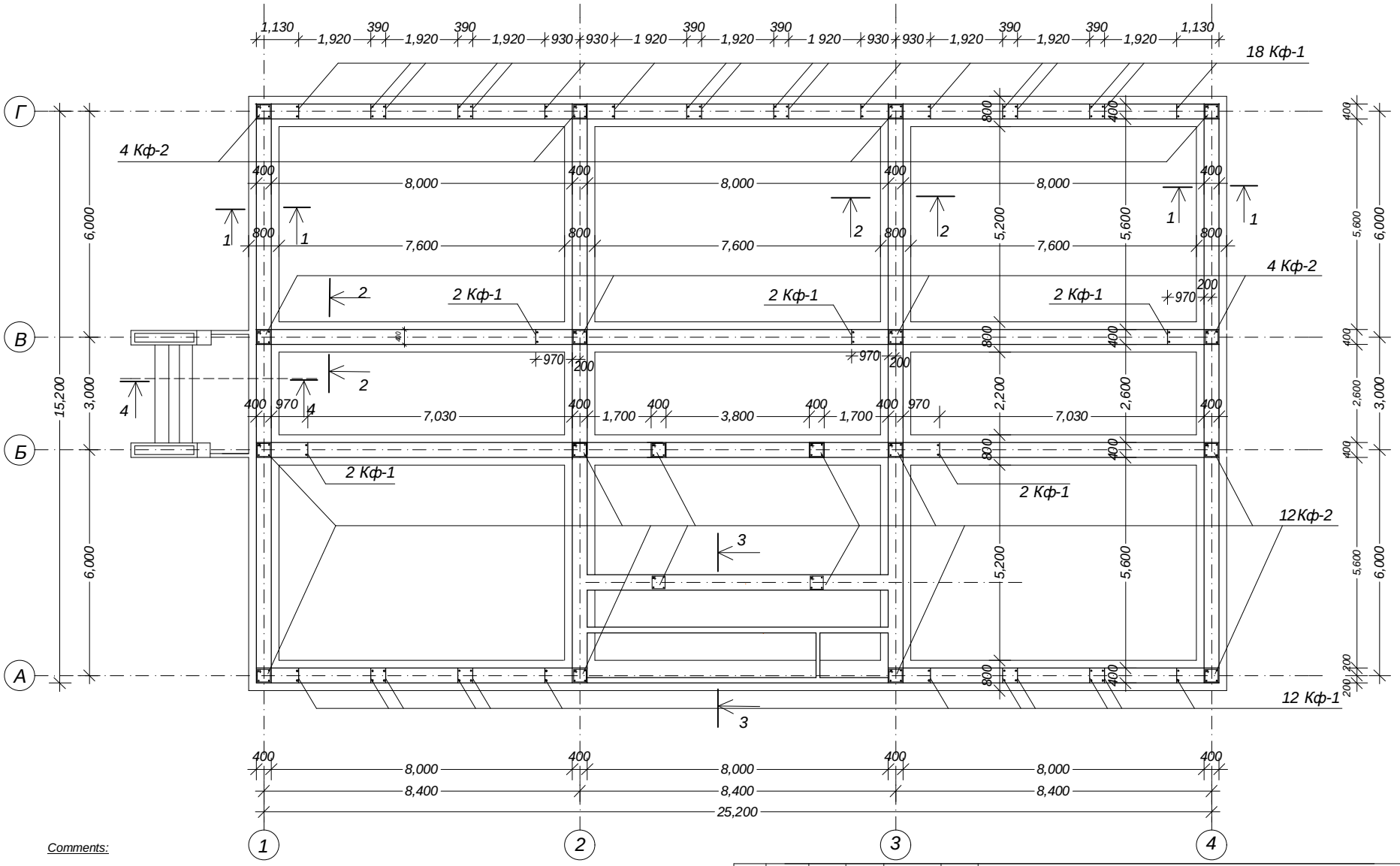

Comments:

1. This sheet is considered from CC-2 and CC-6
2. The mark. 0,000 to take the floor level of the first floor.
3. Building at landing terrain produce according to the stekeout of the general plan
4. Horizontal insulation on point -0,020 make from cement grout with the composition 1:2
5. Otmostka - concrete 1200mm width.
6. Fiber reinforced foundation must be uninterrupted throughout the length.
7. Side sureface foundation in contact with the ground paste over waterproofing bitumen mastic on a first coat of the cutback bitumen.

dim.	Q-ty	Page	№ doc.	Signature	Data
GIP		M. Shamsov			
Developed		A. Pochoev			
Checked		M. Shamsov			

CC

Construction of 5 additional classrooms in secondary school N 3, Farkhor district.

Architectural-planing solution

Stage	Page	Pages
WD	3	

Foundation plan M 1:100

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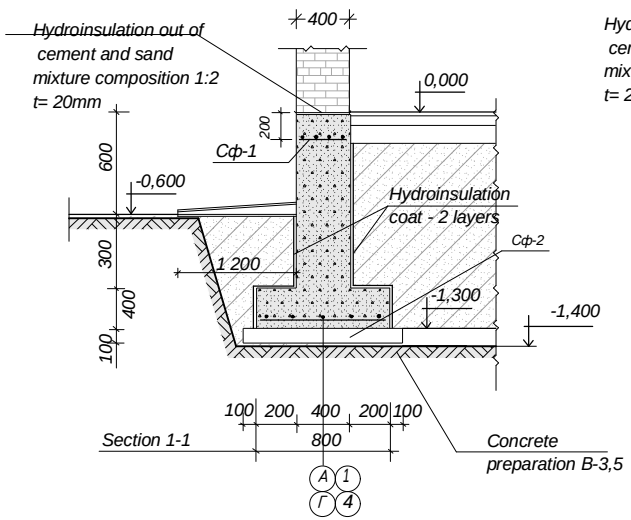
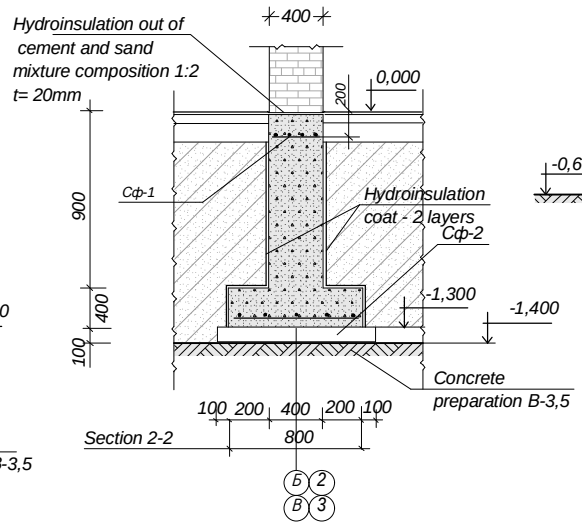
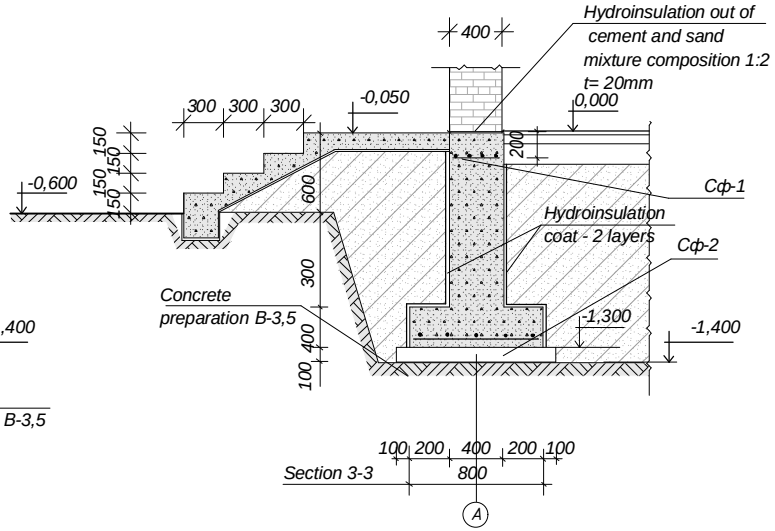
Section 1-1



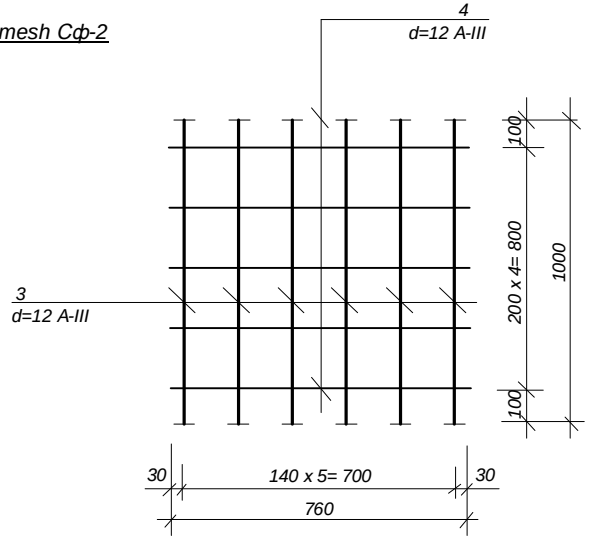
Section 2-2



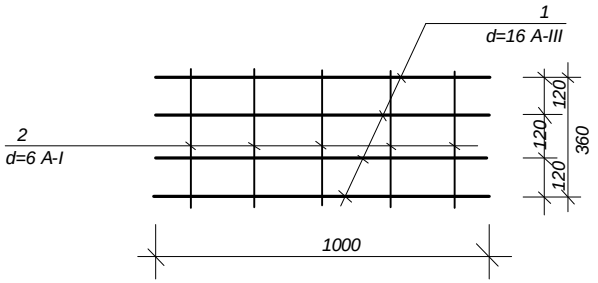
Section 3-3



Metal mesh Сф-2



Metal mesh Сф-1



						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Section 1-1, 2-2 & mesh foundation Сф-1 и Сф-2
Checked		M. Shamsov				

Stage	Page	Pages
WD	4	

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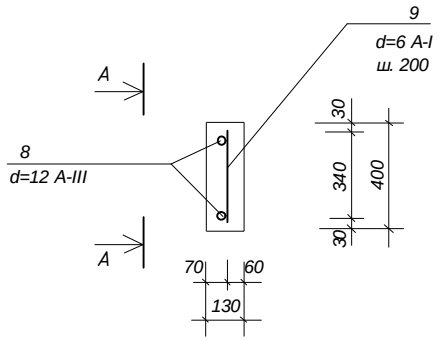
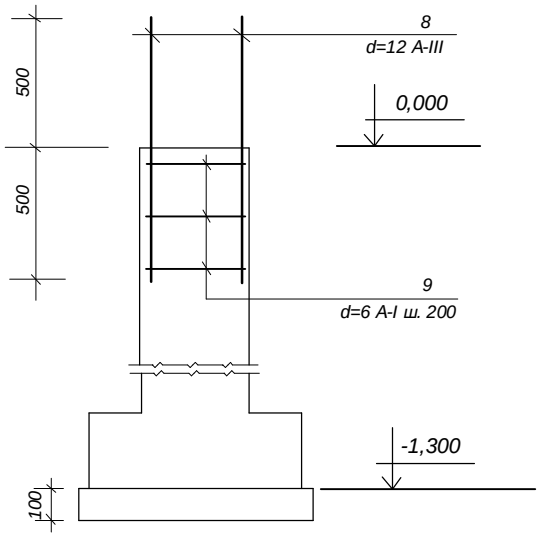
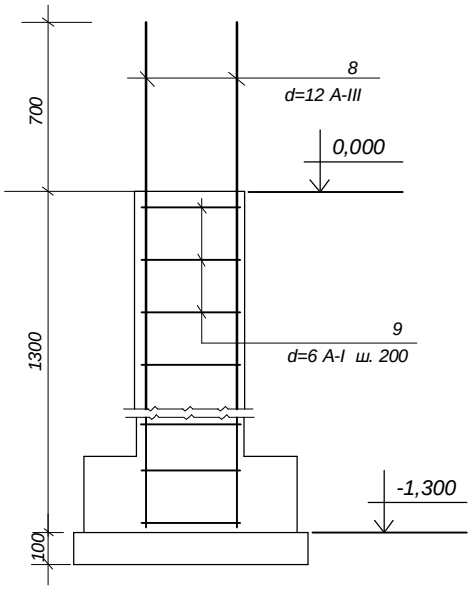
Outlet Кф-1



А - А



Б - Б

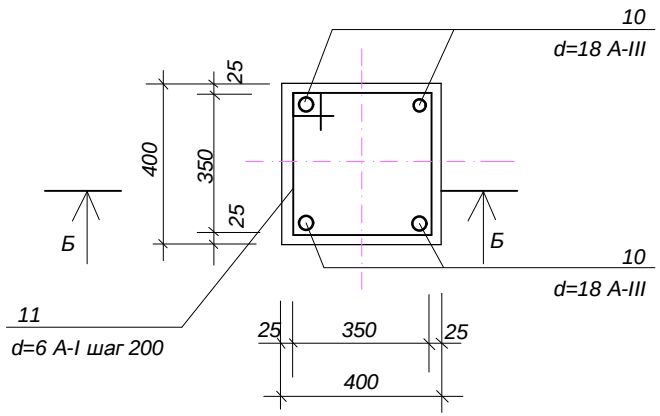


NOTE:

1. This sheet is considered from CC-3 and CC-8

						CC		
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.		
dim.	Q-ty	Page	№ doc.	Signature	Data			
GIP		M. Shamsov				Architectural-planing solution	Stage: WD	Page: 5 / Pages:
Developed		A. Pochoev				Outlets Кф-1, Assemblies & parts, section А-А и Б-Б	Private Buisnessman Aslam Pochoev License XT-23 №0000060	
Checked		M. Shamsov						

Outlet Кф-2



Specification for one unit

Type of pos.	Designation	Description	Q-ty	Weight meas. unit, m	Remarks
		Foundation Фл-1 (1 пм.)		162,80 m	
		Mesh Сф-1 (1пм.)		162,80 m	
1		16 A-III L=1000	4	6.31	
2		6 A-I L=380	5	0.42	1095,65 m
		Mesh Сф-2 (1пм.)		162,80 m	
3		12 A-III L=1000	5	4.44	
4		12 A-III L=960	5	4.26	1416,40 m

Specification for one unit

Type of pos.	Designation	Description	Q-ty	Weight meas. unit	Remarks
		Outlets-Кф (1 пм.)	0,00 un.		
		Metal mesh Кф-1 (1m.)	35 un.		
8		12 A-III L=1000	2	1.78	
9		6 A-I L=380	3	0.25	71.05 kg.
		Metal mesh Кф-2 (1 m.)	20 un.		
10		12 A-III L=1000	4	3.56	
11		6 A-III L=1360	3	0.90	89.20 kg.

dim.	Q-ty	Page	№ doc.	Signature	Data	
						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Outlets Кф-2 Specification & material consumption.
Checked		M. Shamsov				

Stage	Page	Pages
WD	6	

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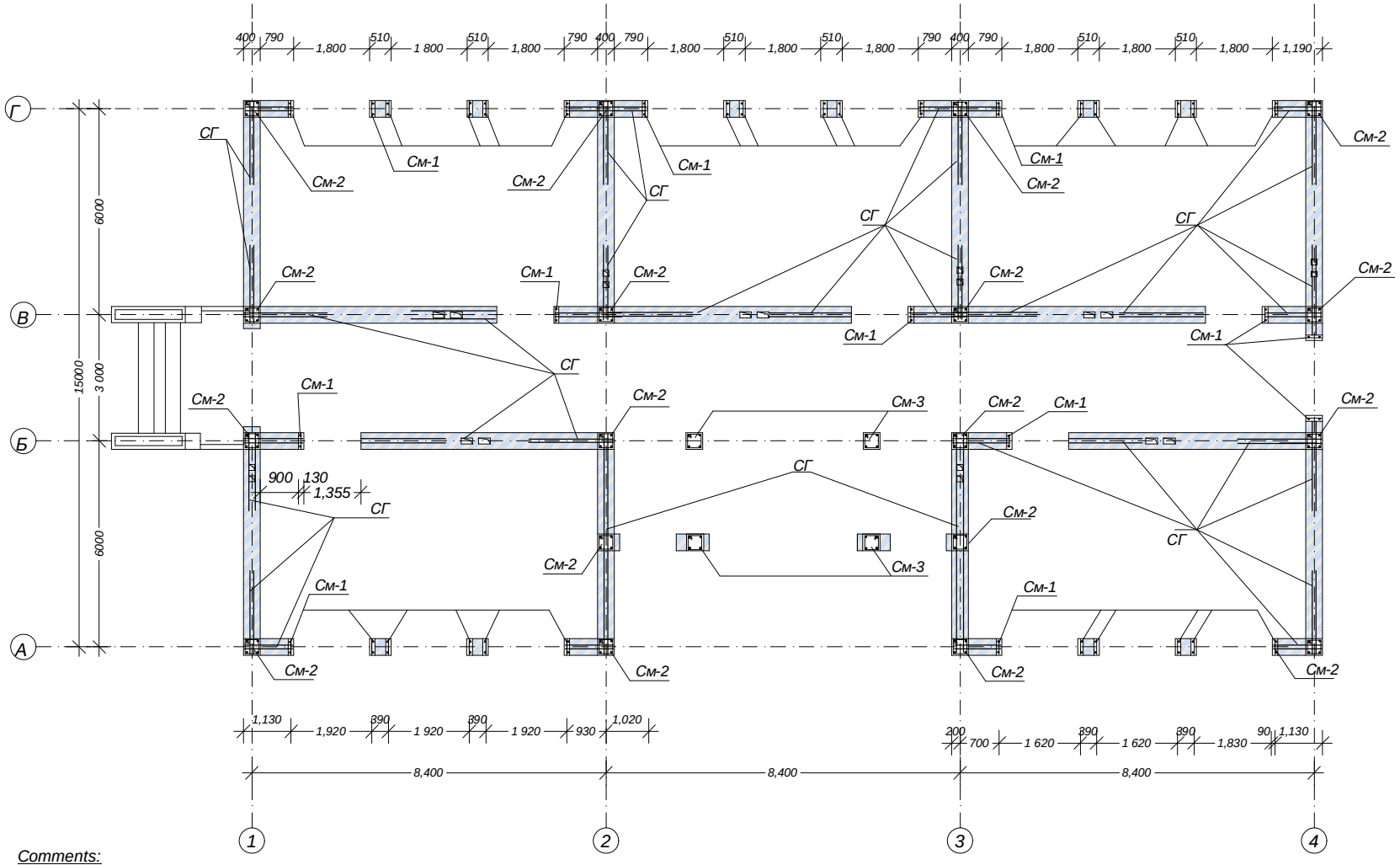
Plan of reinforcement of walls M 1:100

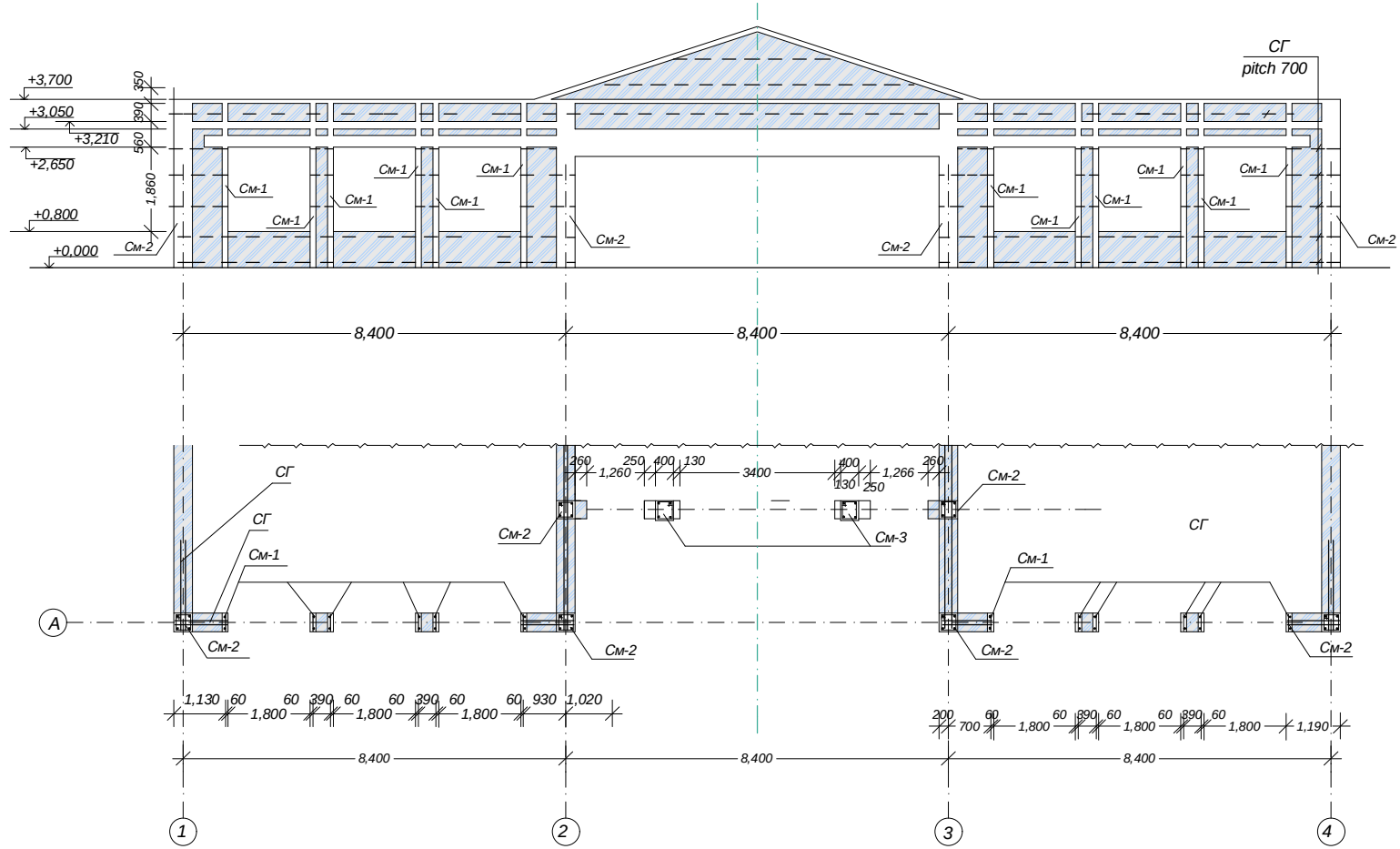


Comments:

1. *Walls - made from burnt bricks t=380mm, M 75*
   Brickworks with mortar M50
   masonry category - II
   Normative grip brick masonry 180 KPA >Rp>=120 KPA (120kgs/sм²)
2. *Concreting cores is perfomed after the bricklaying.*
3. *Horizontal mesh is put on first floor after the second course of masonry bricks, dale after 700mm bricklaying*
4. *During the execution of works see the portition of (H&V, W&C)*

						CC	
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.	
dim.	Q-ty	Page	№ doc.	Signature	Data		
GIP		M. Shamsov				Architectural-planing solution	Stage: WD; Page: 7; Pages:
Developed		A. Pochoev				Plan of reinforcement of walls M 1:100	Private Buisnessman Aslam Pochoev License XT-23 №0000060
Checked		M. Shamsov					

Sweep of walls in axis A



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1. *Walls - made from burnt bricks t=380mm, M 75*
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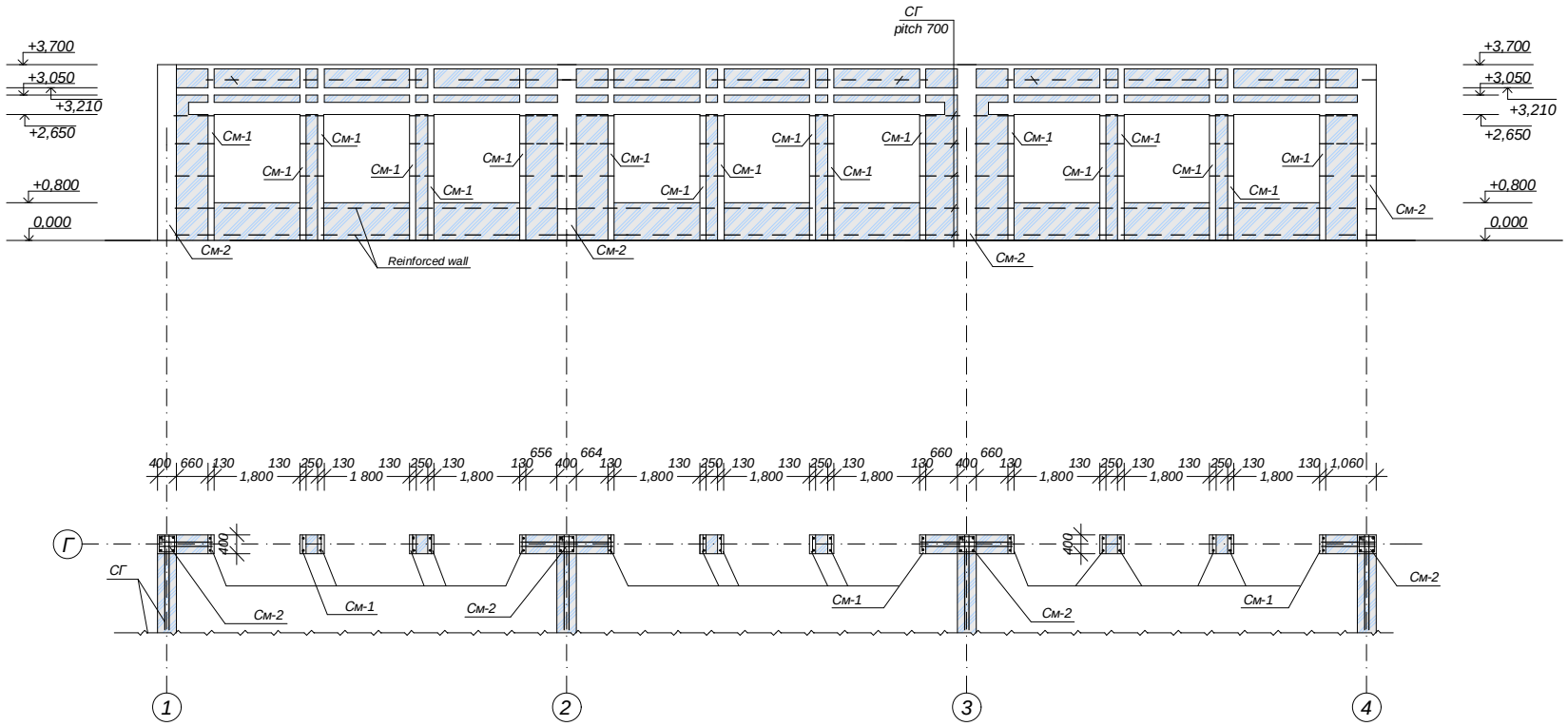
						CC		
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.		
dim.	Q-ty	Page	№ doc.	Signature	Data			
GIP		M. Shamsov				Architectural-planing solution	Stage: WD	Page: 8 / Pages:
Developed		A. Pochoev				Sweep of walls in axis A	Private Buisnessman Aslam Pochoev License XT-23 №0000060	
Checked		M. Shamsov						

Sweep of walls in axis Г



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						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Sweep of walls in axis Г
Checked		M. Shamsov				

Stage	Page	Pages
WD	9	

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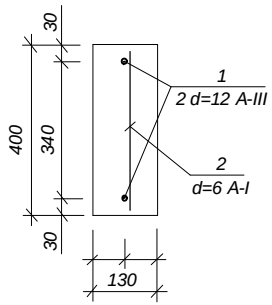
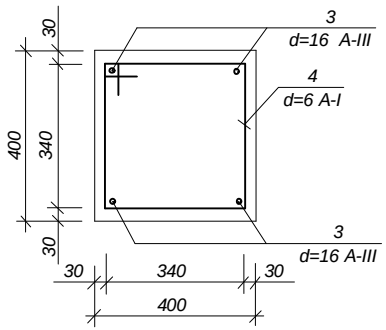
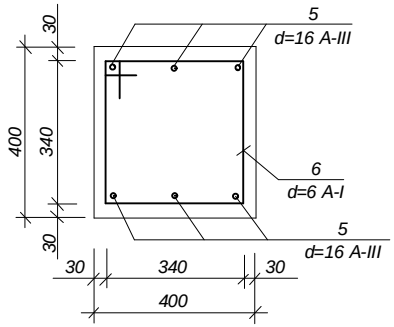
СМ-1



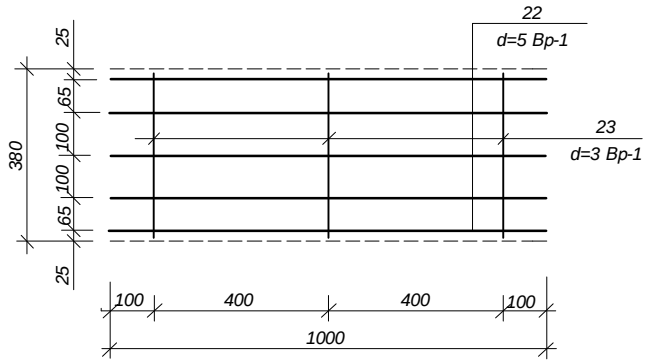
СМ-2



СМ-3



СГ-1 (for 1 m)



Comments:

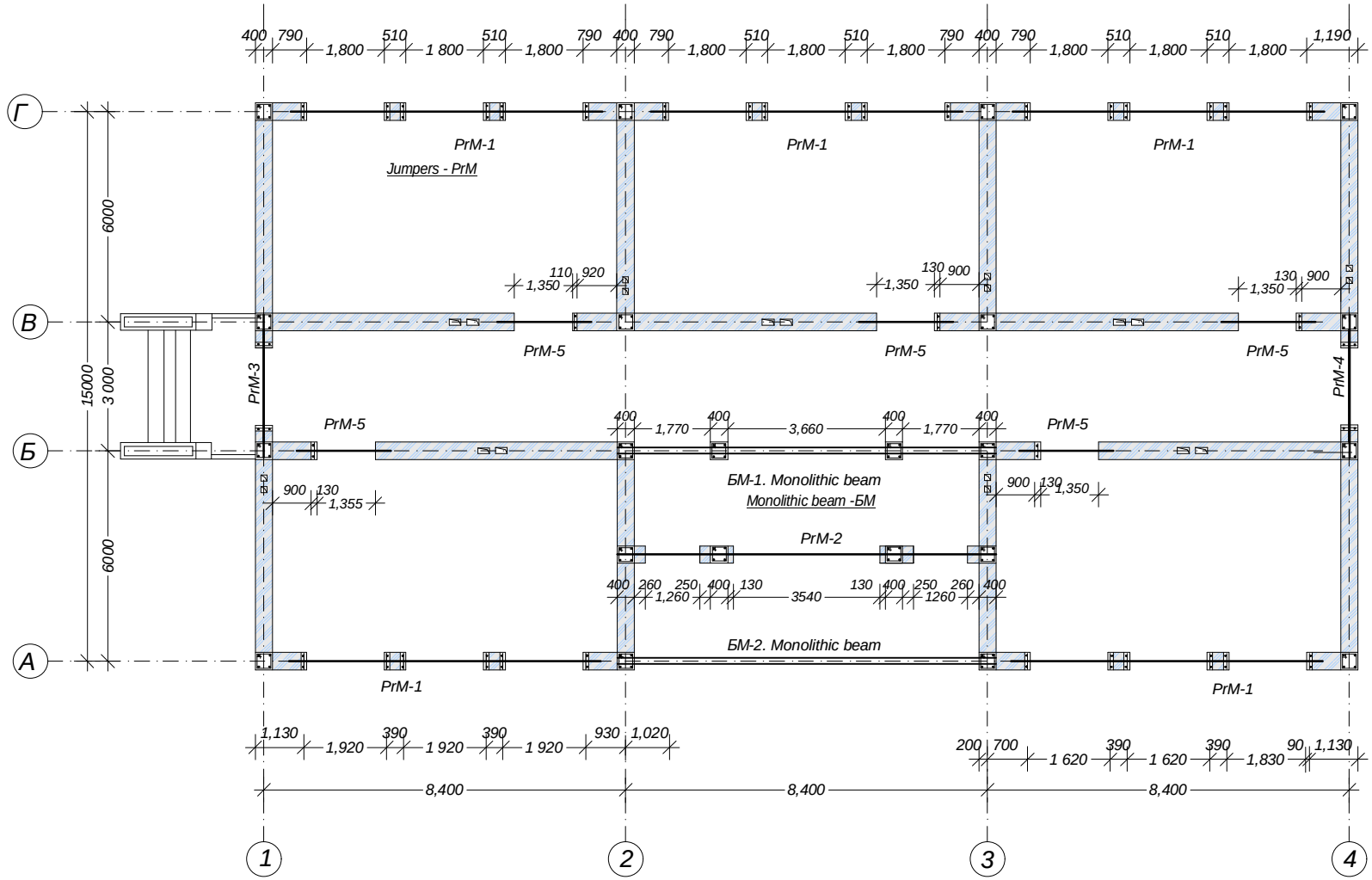
1. This sheet is considered from CC-2 and CC-6

Specification for one unit

Type of pos.	Designation	Description	Q-ty	Weight meas. unit, m	Remarks
		Core CM			
		CM-1 Kc-1(1m.) 144,30 m			
1		12 A-III L=1000	2	1.78	
2		6 A-I L=360	5	0.4	2.18 kg
		Total weight armature 314,57kg, Concrete cl. B12,5 - 7,5м³			
		CM-2 KC-2 (1m.) 66,60 m			
3		16 A-III L=1000	4	3,56	
4		6 A-I L=1430	5	1.6	5.16 kg
		Total weight armature 343,66kg, Concrete cl. B12,5 - 10,66м³			
		CM-3 KC-3 (1m.) 12,00 m			
5		16 A-III L=1000	10	15.8	
6		6 A-I L=1430	5	1.6	17.40 kg
		Total weight armature 208,80kg, Concrete cl. B15 - 1,92м³			
		Metal mesh СГ-1 (1m.)			800.00 m
		5 Bp-I L=1000	5	0.77	
		3 Bp-I L=370	5	0.10	

							CC
							Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data		
						Architectural-planing solution	Stage: WD; Page: 10; Pages:
GIP		M. Shamsov					
Developed		A. Pochoev				Reinforcement of wall & core СГ и См-1,См-2, См-3.	Private Buisnessman Aslam Pochoev License ХТ-23 №0000060
Checked		M. Shamsov					

Arrangment plan of jumpers & monolithic beams M 1:100

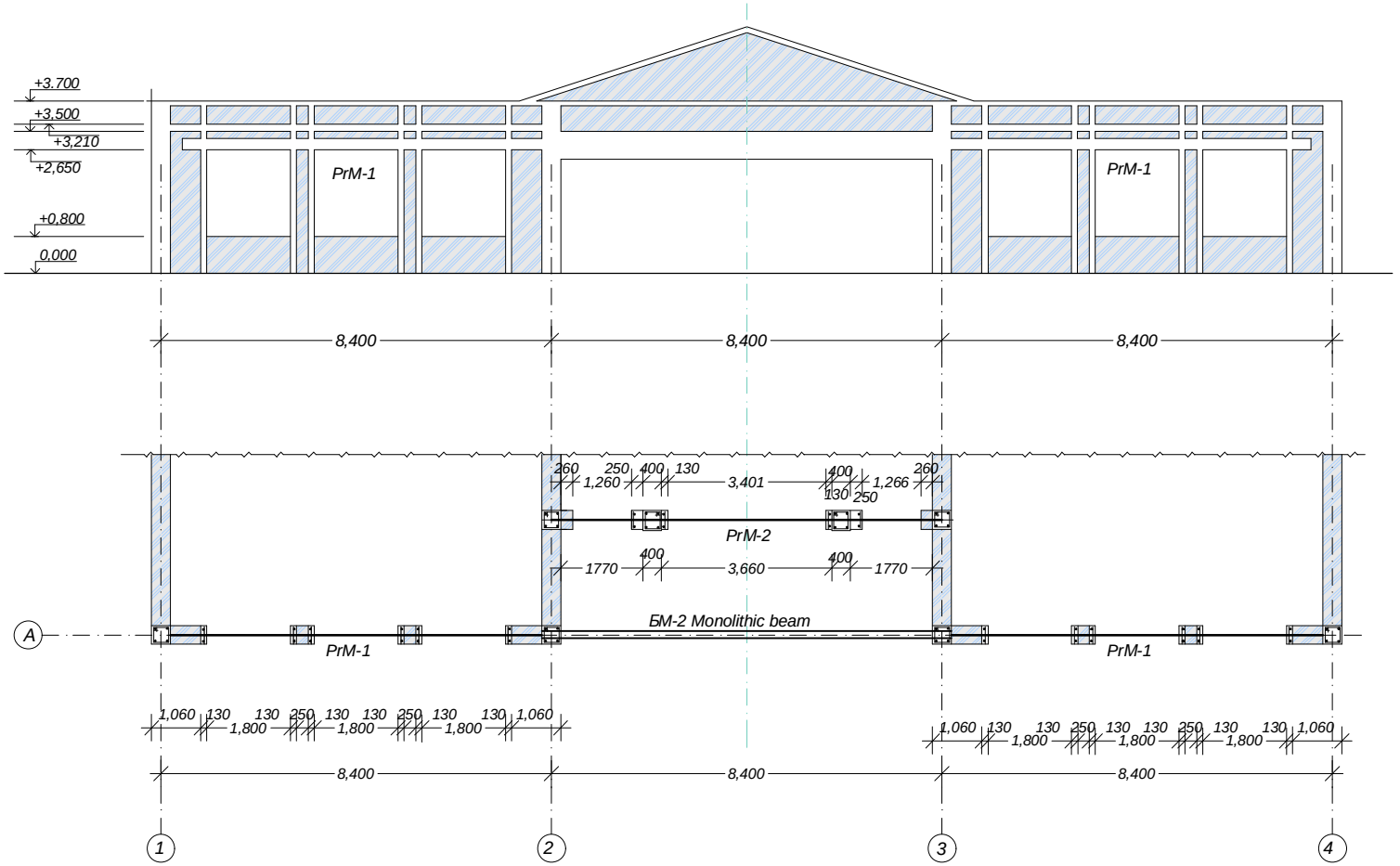


Comments

1. *Walls - made from burnt bricks t=380mm, M 75*
   Brickworks with mortar M50
   masonry category - II
   Normative grip brick masonry 180 KPA >Rp>=120 KPA (120kgs/sм²)
2. *Concreting cores is perfomed after the bricklaying.*
3. *Horizontal mesh is put on first floor after the second course of masonry bricks, dale after 700mm bricklaying*
4. *During the execution of works see the portition of (H&V, W&C)*

						CC	
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.	
dim.	Q-ty	Page	№ doc.	Signature	Data		
GIP		M. Shamsov				Architectural-planing solution	Stage: WD; Page: 11; Pages:
Developed		A. Pochoev				Arrangment plan of jumpers & monolithic beams M 1:100	Private Buisnessman Aslam Pochoev License XT-23 №0000060
Checked		M. Shamsov					

Sweep of walls in axis A



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						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Sweep of walls in axis A
Checked		M. Shamsov				

Stage	Page	Pages
WD	12	

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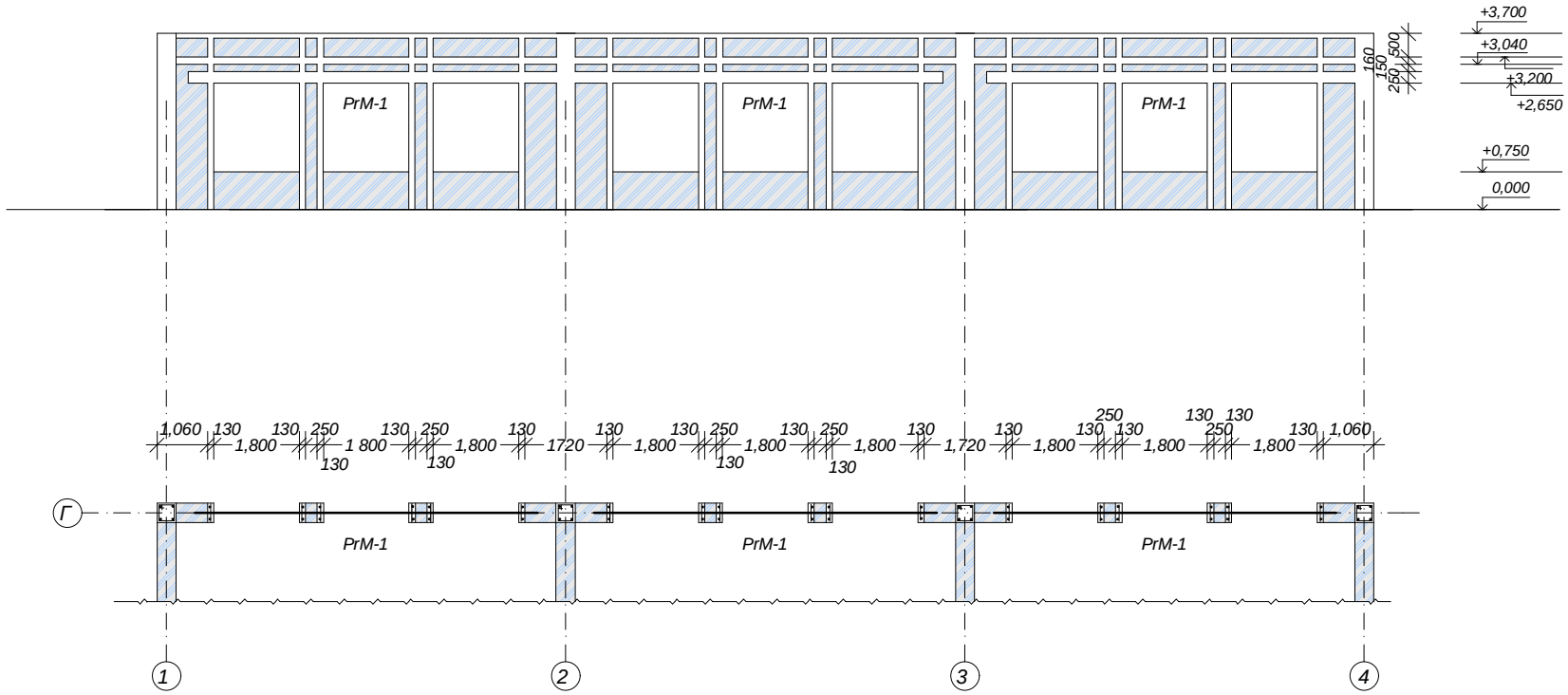
Sweep of walls in axis Г



Comments

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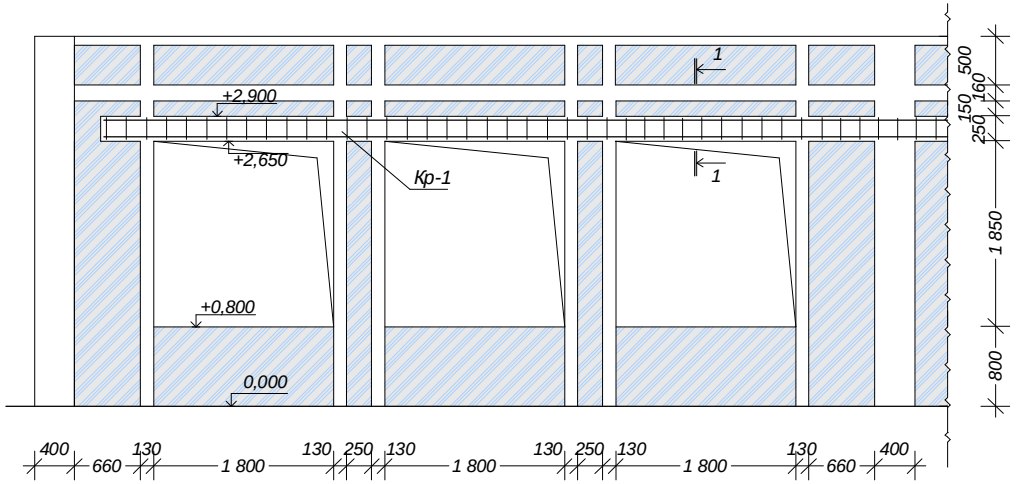
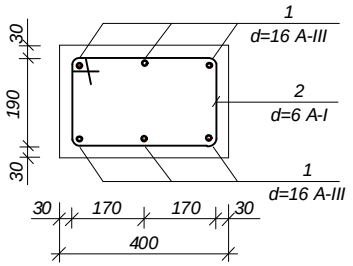
						CC		
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.		
dim.	Q-ty	Page	№ doc.	Signature	Data			
GIP		M. Shamsov				Architectural-planing solution	Stage: WD	Page: 13 / Pages:
Developed		A. Pochoev				Sweep of walls in axis Г	Private Buisnessman Aslam Pochoev License XT-23 №0000060	
Checked		M. Shamsov						

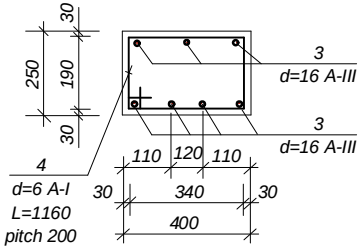
Reinforcement of jumpers PrM-1



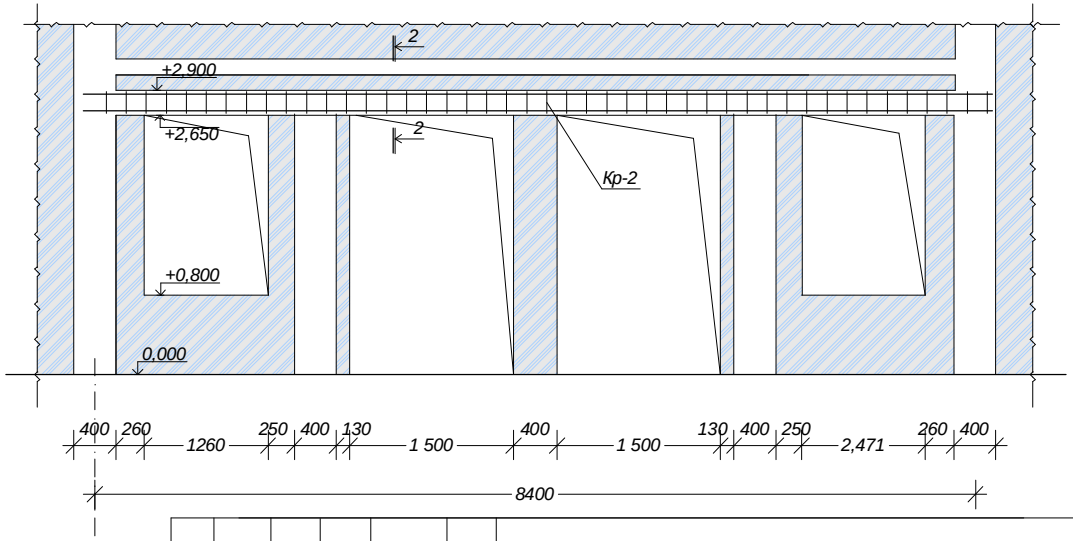
PrM-1 (1-1) KPr-1



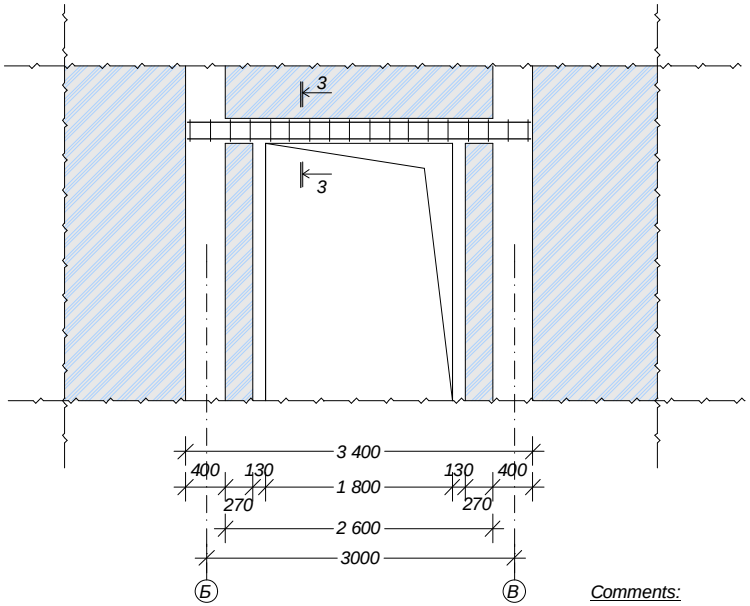
PrM-2 (2-2) KPr-2



Reinforcement of jumpers PrM-2



Reinforcement of jumpers PrM-4

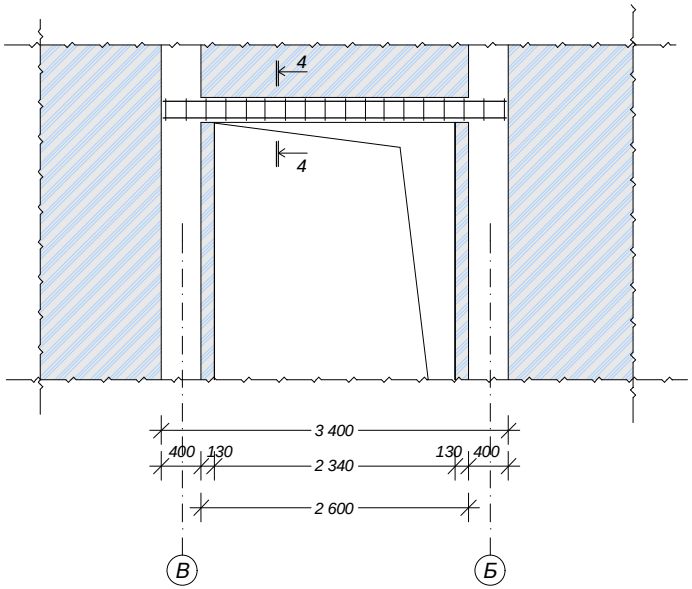


Comments:

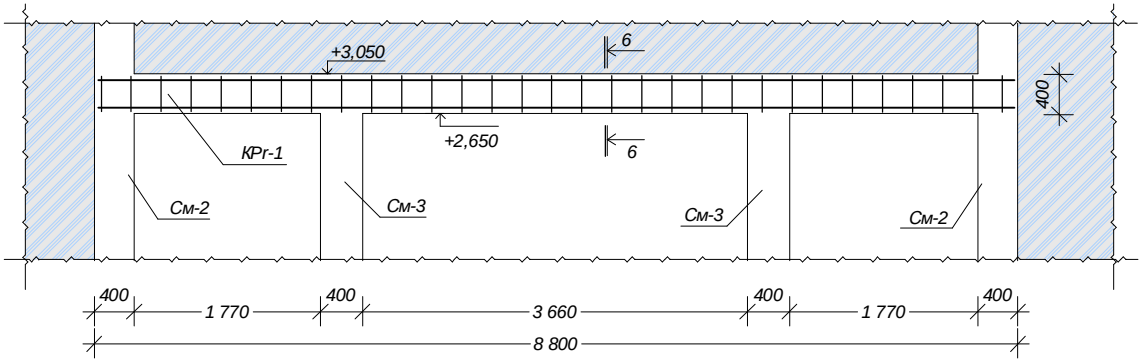
1. This sheet is considered from CC-2 and CC-6

							CC
							Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data		
GIP		M. Shamsov				Architectural-planing solution	Stage: WD; Page: 14; Pages:
Developed		A. Pochoev				Reinforcement of jumpers PrM-1, PrM-2 & PrM-3	Private Buisnessman Aslam Pochoev License XT-23 №0000060
Checked		M. Shamsov					

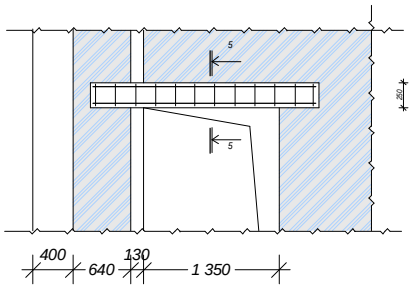
Reinforcement of jumpers PrM-3



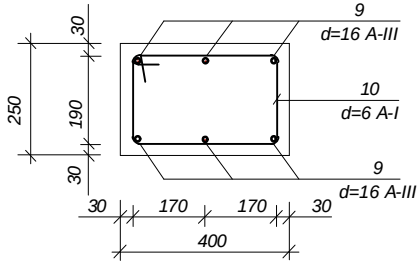
БМ-1 Monolithic beam



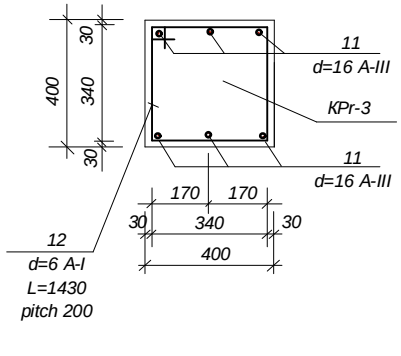
Reinforcement of jumpers PrM-5



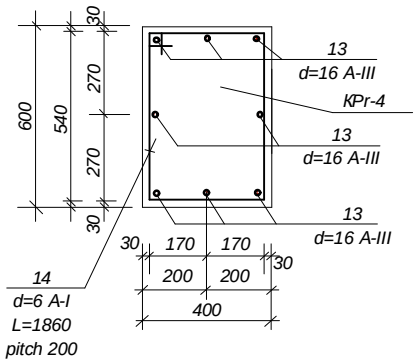
PrM-5 (5-5)



БМ-1 (section 6-6) и (section 7-7)



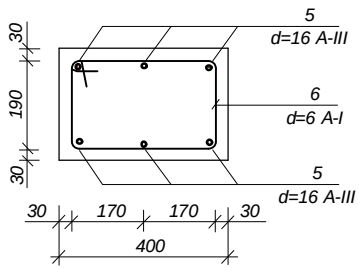
БМ-2 (section 8-8)



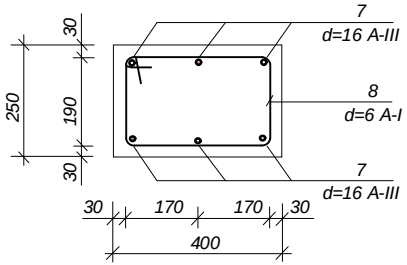
Comments:

1. This sheet is considered from CC-2 and CC-6

PrM-3 (3-3) КРг-3

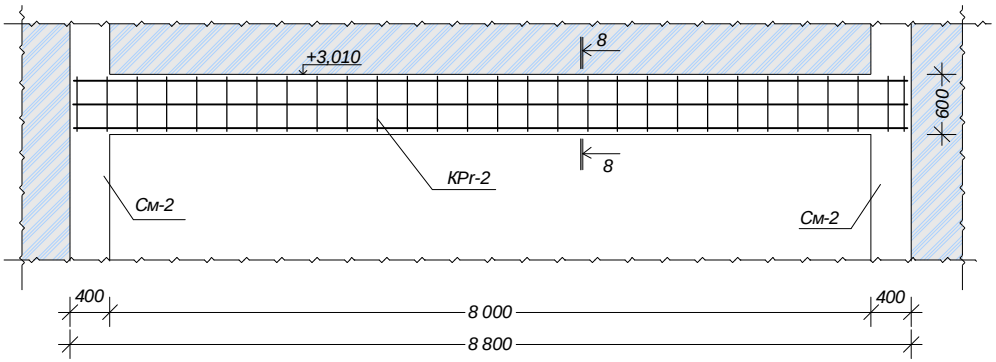


PrM-4 (4-4) КРг-4

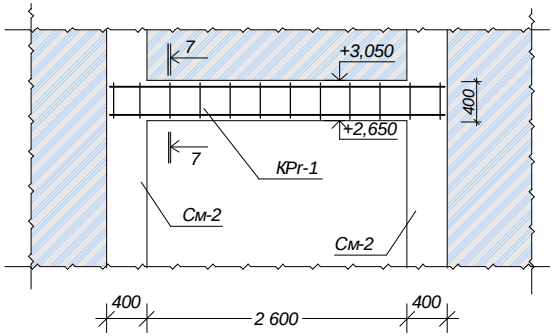


							CC
							Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data		
GIP		M. Shamsov				Architectural-planing solution	Stage: WD; Page: 15; Pages:
Developed		A. Pochoev				reinforcement of jumper PrM-4, PrM-5 & Бм-1	Private Buisnessman Aslam Pochoev License XT-23 №0000060
Checked		M. Shamsov					

БМ-2 Monolithic beam



БМ-3
Monolithic beam



BM Monolithic beam
Specification for one unit

Type of pos.	Designation	Description	Q-ty	Weight meas. unit, m	Remarks
		Monolithic beam			
		БМ - 1 (1т), КРг-3 8,800 m			
11		16 A-III L=1000	6	9.48	
12		6 A-I L=1430	5	1.6	11.08
		Total weight armature 97,50kg, Concrete cl. B15 - 1,41м³			
13		БМ-2(1т.), КРг-4 8,800 м			
14		16 A-III L=1000	8	12.64	
		6 A-I L=1860	5	2.05	14.69
		Total weight armature 129,27kg, Concrete cl. B15 - 2,11м³			

Jumpers - Specification for one unit

Type of pos.	Designation	Description	Q-ty	Weight meas. unit, m	Remarks
		Jumper PrM			
		PrM-1 (1т.) 33,00 m			
1		16 A-III L=1000	6	9.48	
2		6 A-I L=1160	5	1.3	10.78
		Total weight armature 355,74kg, Concrete cl. B15 - 3,3м³			
		ПрМ-2 (1пм.) 8,80 п.м			
3		16 A-III L=1000	7	11,06	
4		6 A-I L=1160	5	1.3	12.36
		Total weight armature 108,77kg, Concrete cl. B15 - 0,88m³			
		ПрМ-3 и 4 (1пм.) 5,00 п.м			
5		16 A-III L=1000	6	9.48	
6		6 A-I L=1160	5	1.3	10.78
		Total weight armature 53,90kg, Concrete cl. B15 - 0,50м³			
		ПрМ-5 (1пм.) 8,5 п.м			
7		16 A-III L=1000	6	9.48	
8		6 A-I L=1160	5	1.3	10.78
		Total weight armature 91,63kg, Concrete cl. B15 - 0,85м³			

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Reinforcement of Monolithic beams Бм- 2, 3 & Specifications
Checked		M. Shamsov				

Stage	Page	Pages
WD	16	

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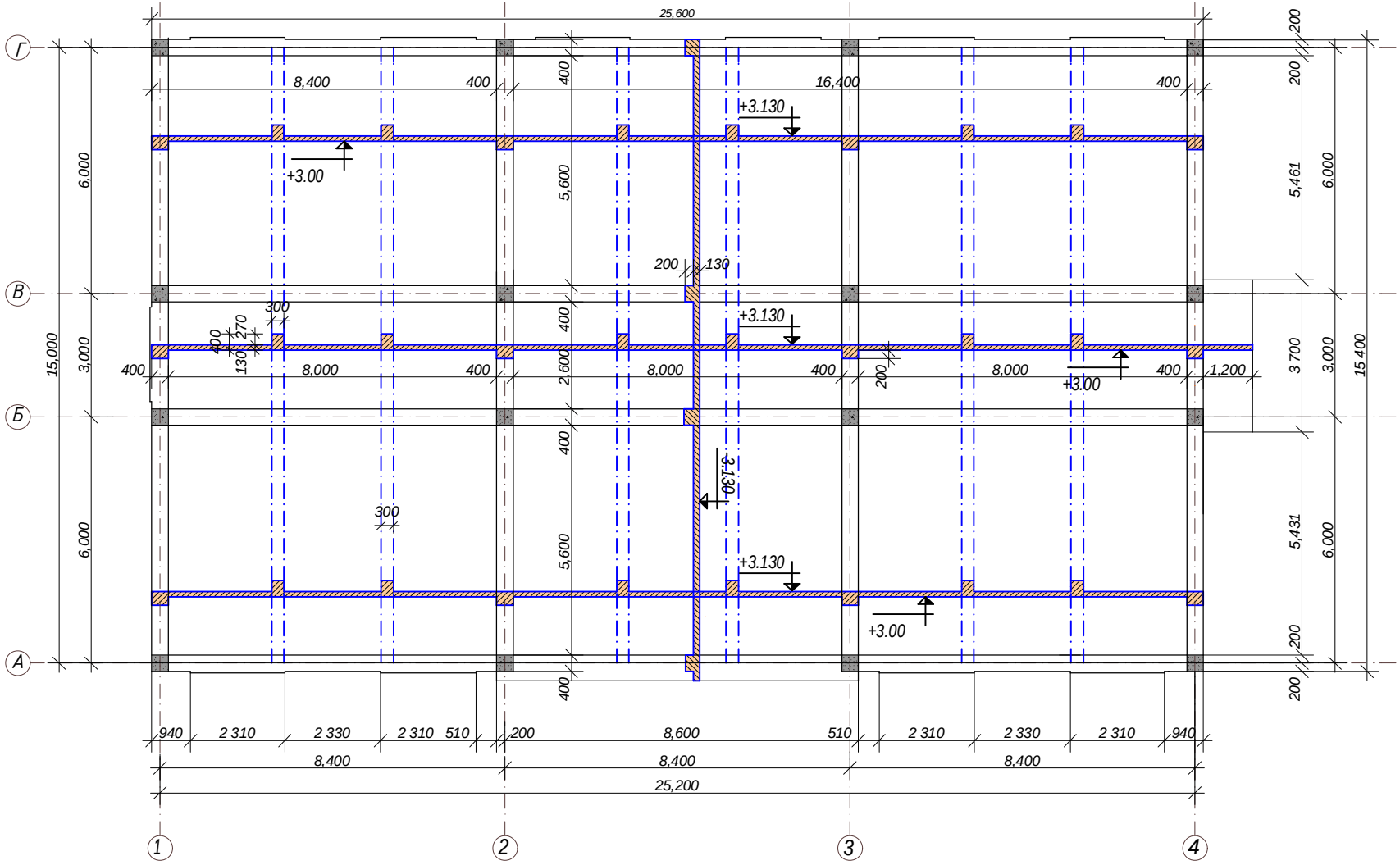
Formwork drawing slabs on the point +3,130



						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Formwork drawing slabs on the point +3,130
Checked		M. Shamsov				

Stage	Page	Pages
WD	17	

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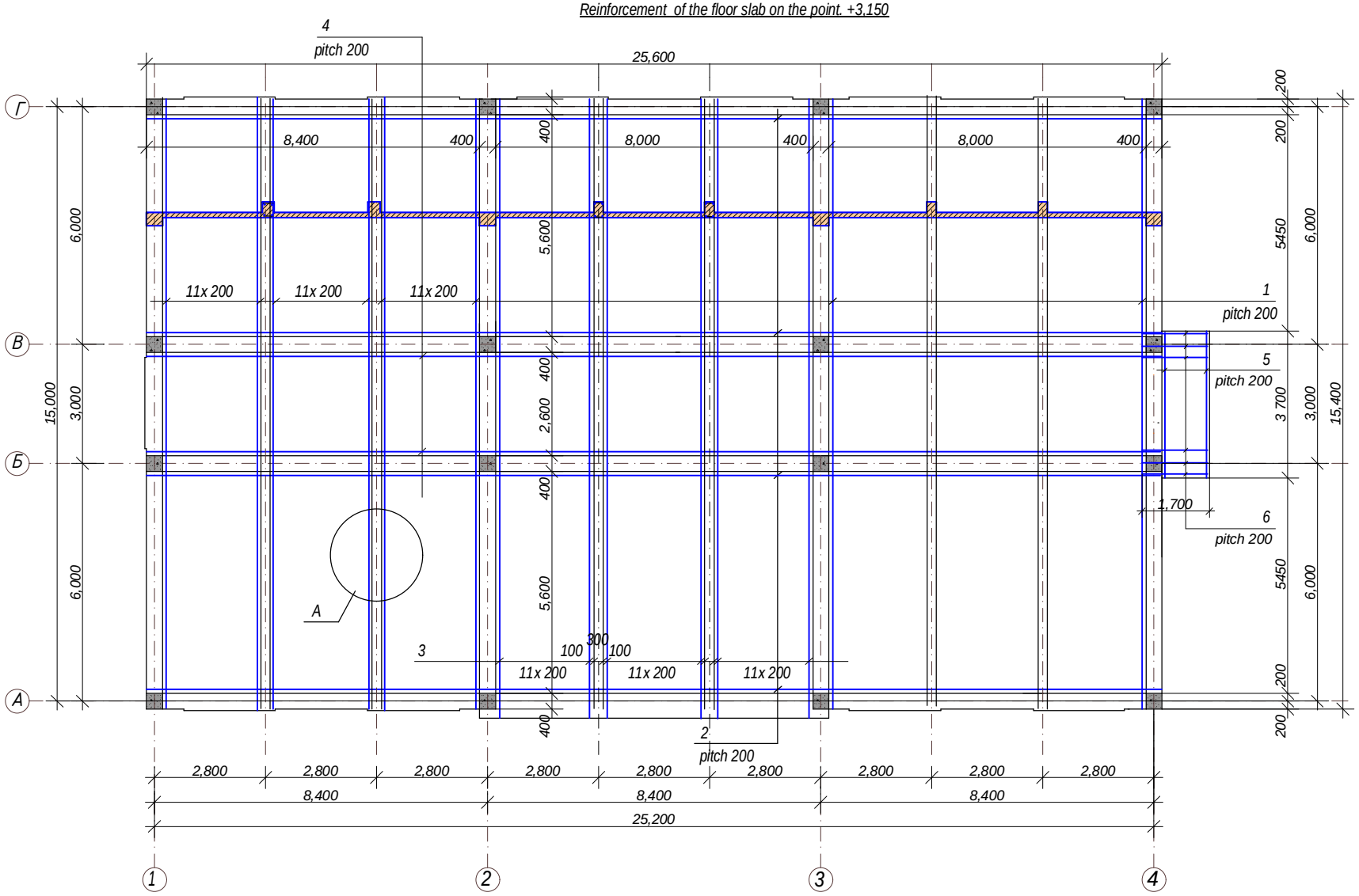
Reinforcement of the floor slab on the point. +3,150



						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Reinforcement of the floor slab on the point. +3,150
Checked		M. Shamsov				

Stage	Page	Pages
WD	18	

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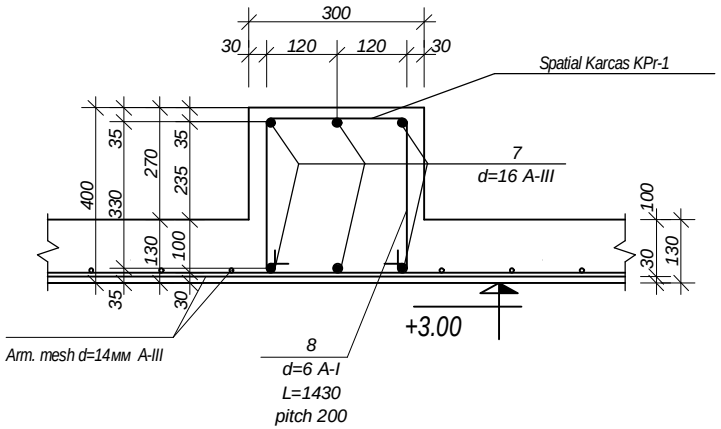
Node "A" Beam Bm-1.1



Specification for one unit

Type of pos.	Designation	Description						Q-ty	Weight meas. unit, m	Remarks
		Armature mesh								
1		Ø	14	A-III	L=	15400		80	1232.0m	1490.72kg
2		Ø	14	A-III	L=	25200		54	1360.80m	1646.81kg
3		Ø	14	A-III	L=	16200		40	648.0m	782.87kg
4		Ø	14	A-III	L=	26400		26	686.40m	830.06kg
									3927.20m	4750,46kg
		Total weight armature 4750,46kg, Concrete cl. B15 - 52,00м³								
5		Ø	12	A-III	L=	3700		6	22.2m	19.71kg
6		Ø	12	A-III	L=	1800		19	34.20m	30.37kg
									56,40м	50,08kg
		Beam Bm-1.1 (for one unite)								
5		Ø	16	A-III	L=	15800		6	94.80m	782.87kg
6		Ø	6	A-III	L=	1430		53	75.79m	16.82kg
		Total weight armature 799,69kg, Concrete cl. B15 - 1,70м³								

Cooments

1.Armature length in specifications is given witth account of surplus on armature joints along the length.

2.Welding joints armatures to perform the E-type electrodes 42A to GOST9467-75.

3.Bolt welded joints along the length tj perform with distance of not less 1 m.

4.Without welding joints lapped armatures to perform L = 400mm. with distance at least 1m.

5.Ensuring the design position of reinforcing mesh made using metal products.

6.Concrete cover of armature layer is performed by installation of concrete talches in framwork.

7.When performing work on the construction of monolithic slab in the slab using a set of drawings of "EI" s, VC.

8.The thickness of the slab 130mm.

9The thickness of the protective layer 20mm.

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Node "A" & details, materiall consumption
Checked		M. Shamsov				

Stage	Page	Pages
WD	17	

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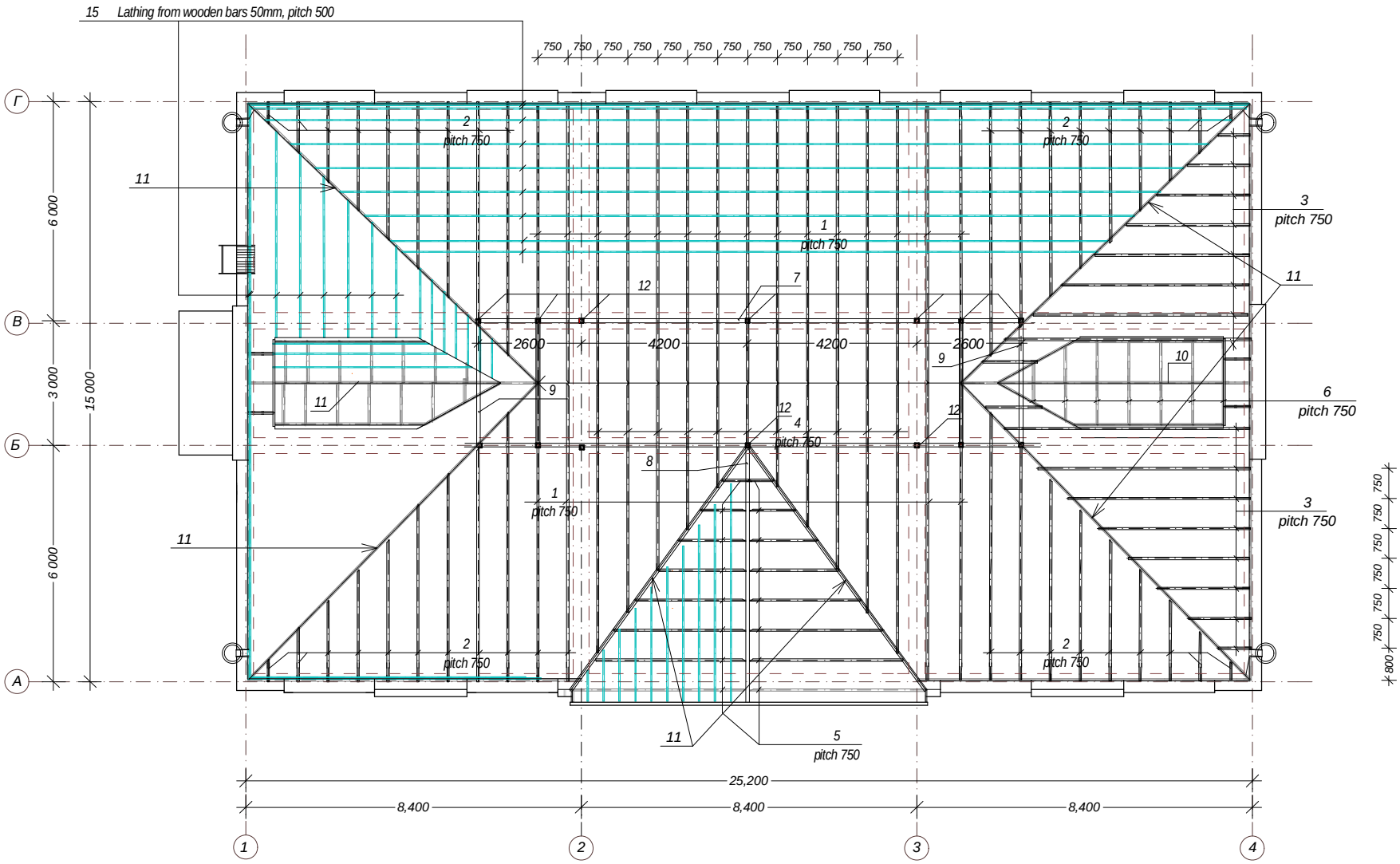

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Plan of rafters
Checked		M. Shamsov				

Stage	Page	Pages
WD	22	

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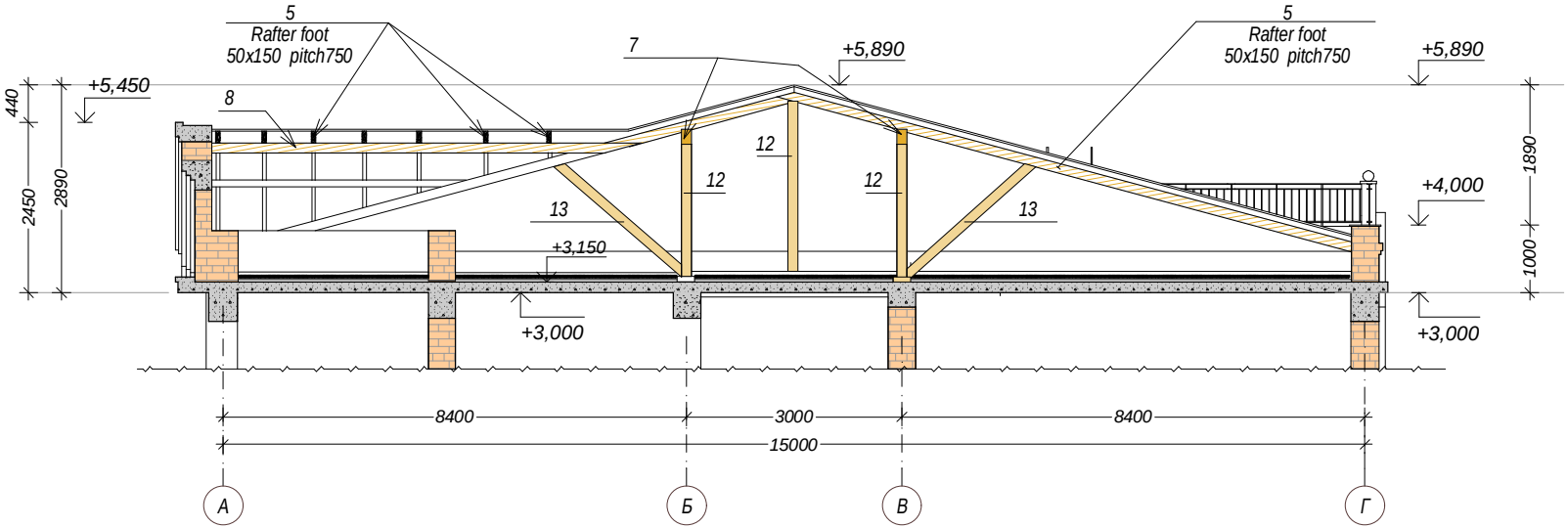
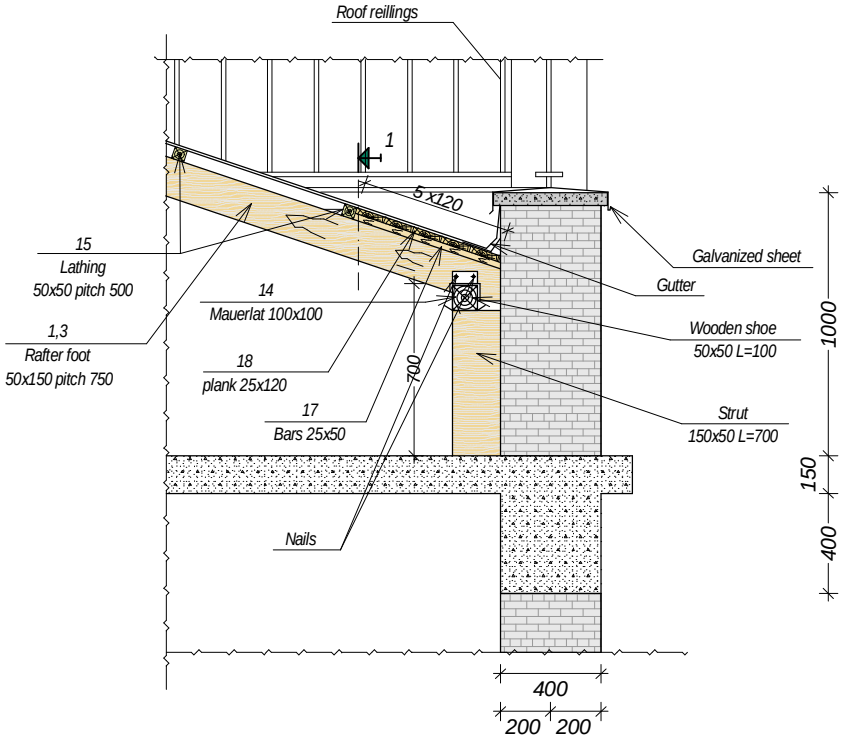
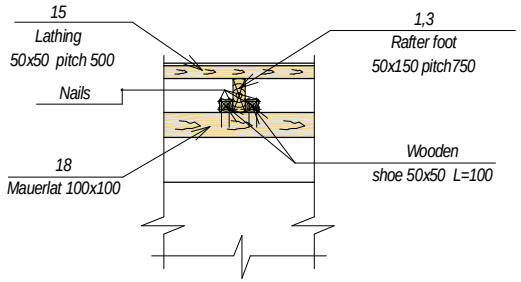
Section 1-1.



Node "A"



1 - 1



						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Section 1-1. Node "A". cross sec tion 1-1.
Checked		M. Shamsov				

Stage	Page	Pages
WD	23	

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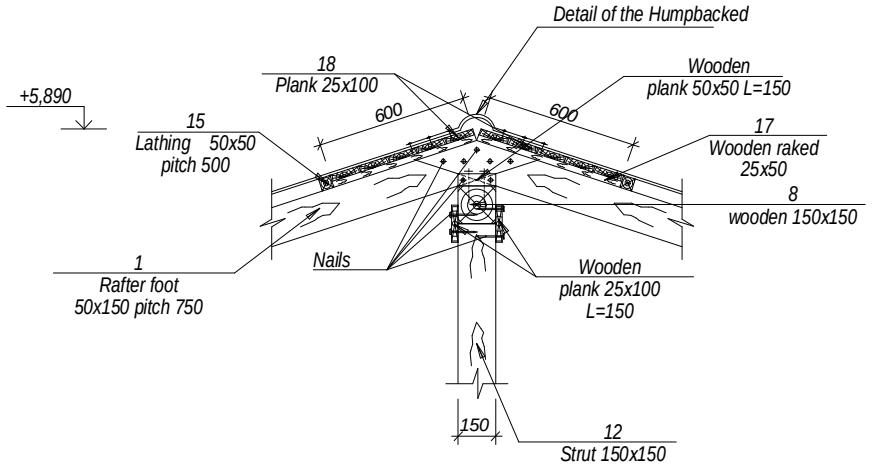
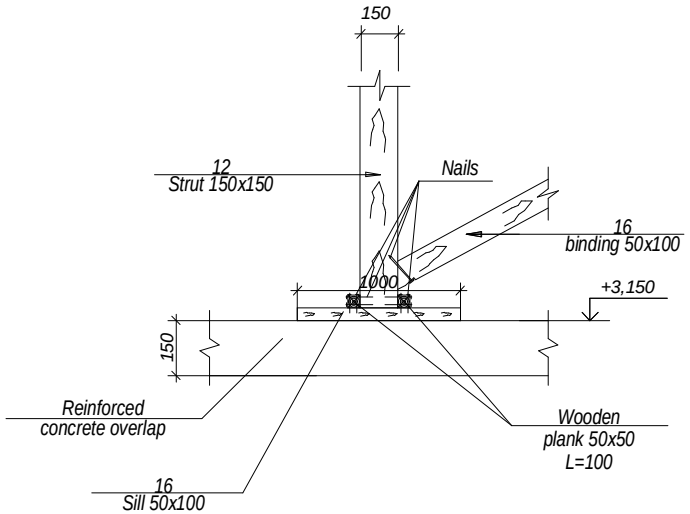
Node "Б"



Node "В"



Roof wooden elements specifications

Type of pos.	Namee	Cross section mm x mm	Q-ty un.	Lenth in m.в м		Volumn m^3	remarks
				one unite	total		
1	Rafter foot	50x150	20	8.260	165.20	1.239	
2	Rafter foot	50x150	36	Lcp=3.60	129.60	0.972	
3	Rafter foot	50x150	36	Lcp=4.300	154.80	1.161	
4	Rafter foot	50x150	11	Lcp=4.150	45.65	0.342	
5	Rafter foot	50x150	16	Lcp=2.750	44.00	0.33	
6	Rafter foot	50x150	28	Lcp=0.900	25.20	0.189	
7	Wooden ran	150x150	2	13.700	27.40	0.617	
8	Wooden ran	150x150	1	8.500	8.50	0.191	
9	Wooden ran	150x150	2	3.200	6.400	0.144	
10	Wooden ran	150x150	2	5.800	11.60	0.261	
1 1	Diagonal foot	50x150	6	Lcp=9.050	54.300	0.407	
12	Strut	150x150	14	2.450	34.30	0.772	
13	binding	50x150	14	2.600	36.40	0.273	
14	Mauerlat	100x100		-	80.400	0.804	
15	Lathing	50x50		-	1178.60	2.947	
16	Sill	100x100		1.00	16.00	0.160	
17	Wooden racked	25x50		-	275.60	0.345	
18	Plank	25x100		-	492.60	1.232	
19	Bars	D10 AI	74	1.50	110.0	68.20	
20							
21							
22							
23							

Согласовано

Инв. подл. | Подпись и дата | Взам.инв.

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Node "Б" & "В". Specifications
Checked		M. Shamsov				

Stage	Page	Pages
WD	24	

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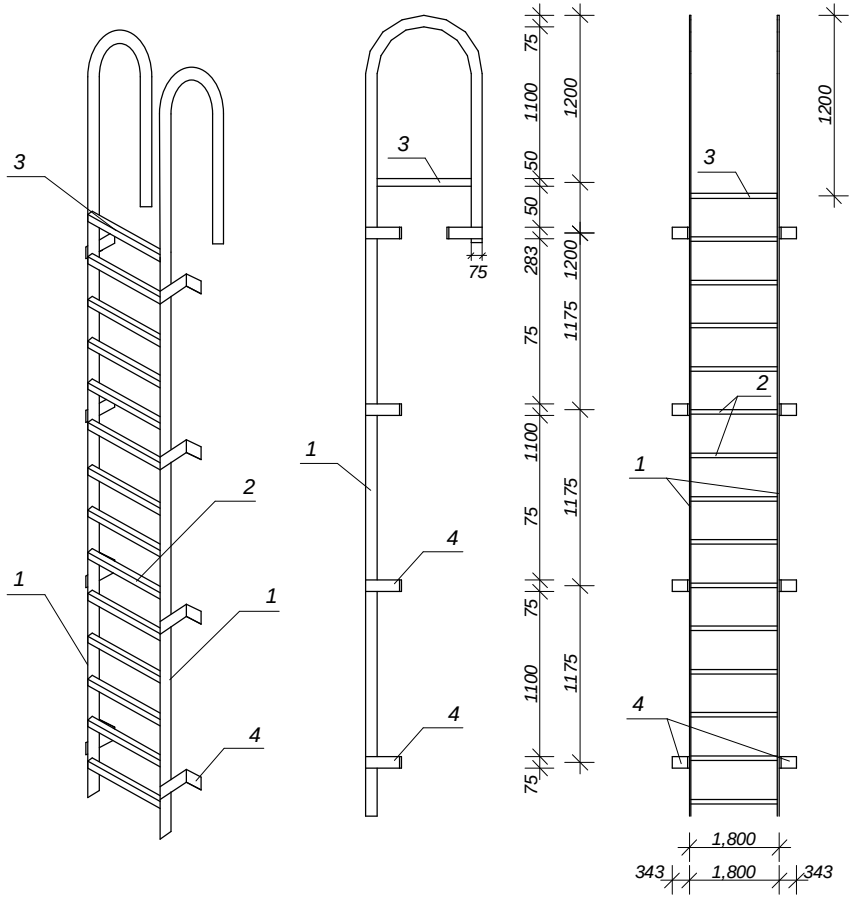


Specification for Fire escape PL-1.

Type of pos.	Designation	Description	Q-ty	Weight meas. unit, m	Remarks
	Fire escape PL-1.(for 1 unit)		1	unit	
1	Rectangular pipe GOST 8645-68	63x32x2,5 L=9850	2	48,56	97.12
2	Rectangular pipe GOST 8645-68	40x30x4 L=600	25	2,208	55.20
3	Rectangular pipe GOST 8645-68	50x40x4 L=600	1	2,320	2.320
4	steel strip	4x75 L=300	8	1,284	17.98

INSTRUCTIONS FOR WELDING

*Welding work carried out in accordance with the requirements of SNIP 2-23-81 * "Steel structures" and SNIP 3.03.01-81 "Support and walling." The degree of surface cleaning of steel structures of oxides (before application of protective coating) is not less than 2 according to GOST 9.402-80.*

Welded connection to perform manual electro-arc welding in accordance with GOST 5264-80. Value of welded joints to make the thickness of the thinnest of welded elements, except where specifically stated.

*Electrode type -E46A GOST 9467-75 *.*

Defects process welding- slag inclusions, pores, oxides in the weld metal, cracks, etc. do not boil-brings the stress concentration. Areas with such defects are pockets of destruction at variable loads.

Good penetration, density and uniformity of the deposited metal play a major role in obtaining high endurance limit.

CORRORION-RESISTANT COATING.

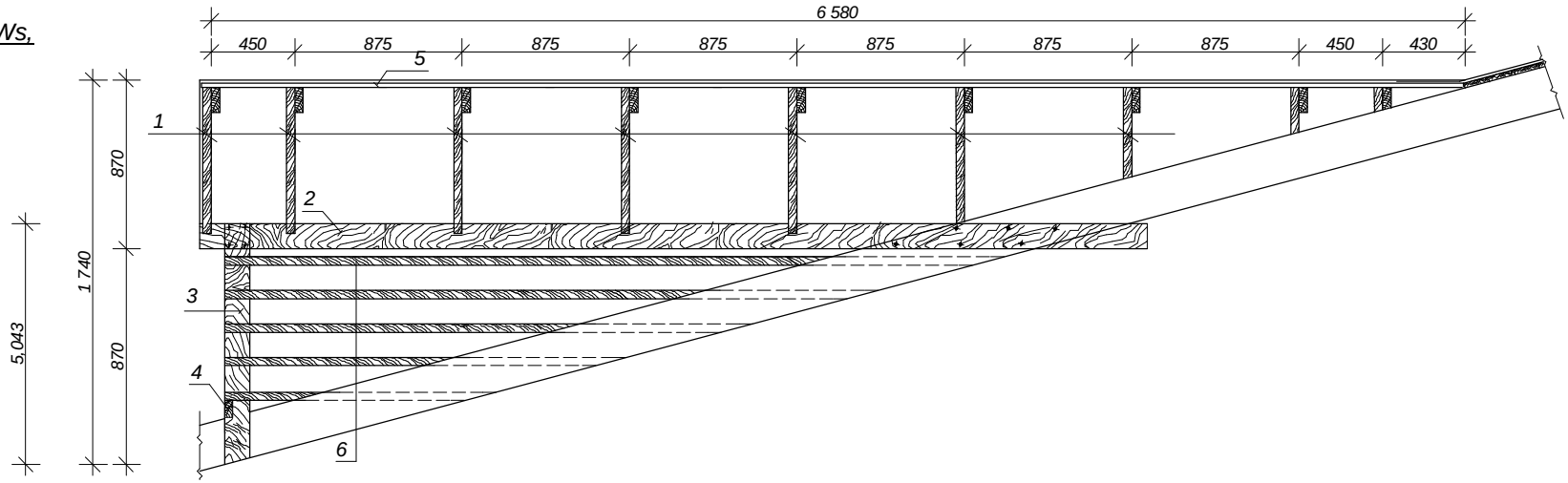
Structural corrosion protection made in accordance with the requirements of SNIP 2.03.11-85 "Protecting structural corrosion. Metal structures are covered with paint coatings

- Group I of Annex 15, 2 coats of enamel PF-115 in accordance with GOST 6465-76, with a total thickness of 55 microns. by primer PF-GOST 18186-79 020po.

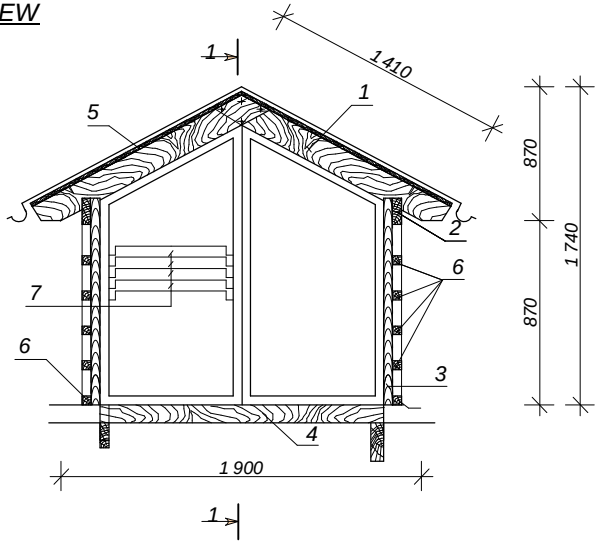
						CC	
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.	
dim.	Q-ty	Page	№ doc.	Signature	Data		
GIP		M. Shamsov				Architectural-planing solution	Stage: WD; Page: 25; Pages:
Developed		A. Pochoev				Fire escape. Specification	Private Buisnessman Aslam Pochoev License XT-23 №0000060
Checked		M. Shamsov					

DORMER WINDOWs,

SECTION 1-1



FRONT VIEW



Type of pos.	Name	section в-h	Length m	Q-ty unite	Volume м3	Remarks
1	Rafters	150x50	1,41	16	0.0106	0.17
2	Runs	150x50	4,950	2	0,0372	0.0745
3	strut	150x50	1,260	2	0.0095	0.019
4	Rigel dormer	100x50	1,550	1	0,008	0,008
5	Planks	150x25	8,00	18	0,03	0,54
6	Bruski	50x50	Lcp=2,76	10	0.0069	0.069
					Итого:	0.881м3
	galvanized steel					14,96м2
7	wooden blinds-10mm				0.076	

							CC
							Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data		
							Architectural-planing solution
GIP		M. Shamsov					
							Dormer windows, Specifications
Developed		A. Pochoev					
Checked		M. Shamsov					

Stage	Page	Pages
WD	26	

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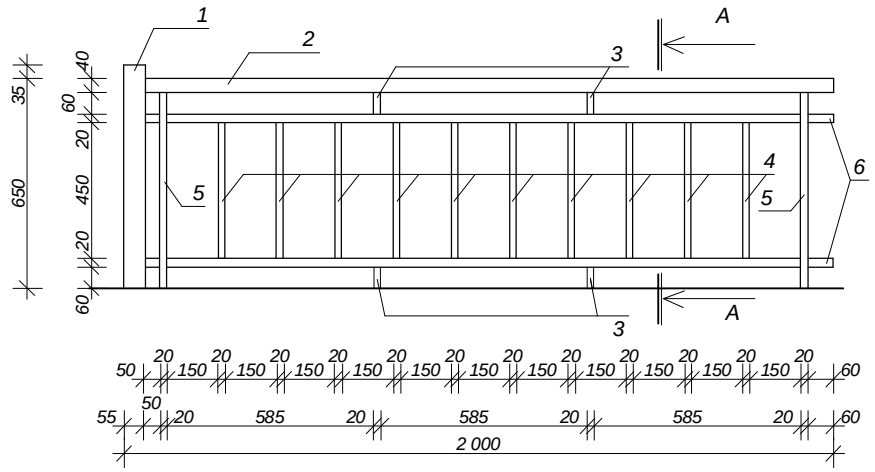
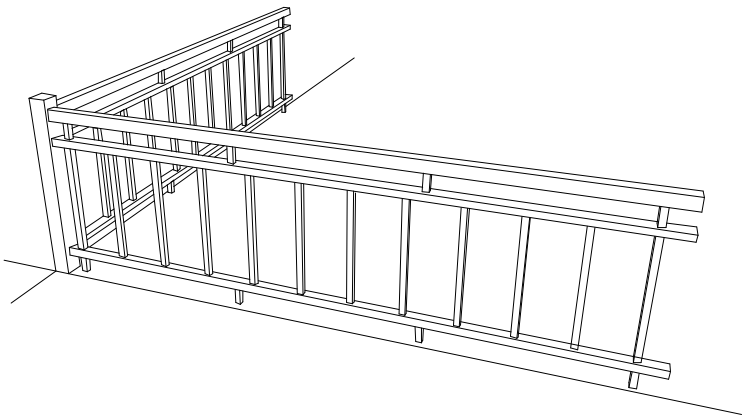
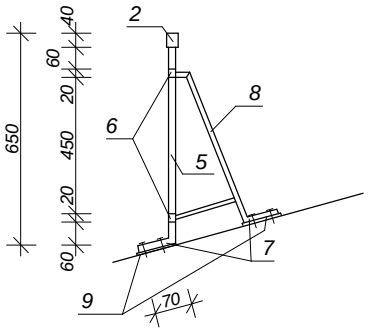
Roof metal reilling



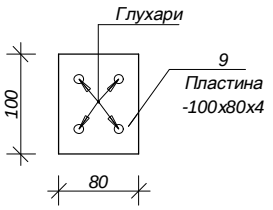
perspective roof railing



Section A-A



Pos. 9



Roof metal reilling h=0.6m for one section

Type of pos.	Name	section в-h	Length m	Q-ty unite	Volume м3	Remarks
1	Rectangular pipe GOST 8645-68	50х50х2,5мм L=685	un.	1	2.32	
2	Rectangular pipe GOST 8645-68	40х40х2,5мм L=2000	un.	1	5.46	
3	Rectangular pipe GOST 8645-68	20х20х2,5мм L=60	un.	4	0.36	
4	Rectangular pipe GOST 8645-68	20х20х2,5мм L=450	un.	10	6.40	
5	Rectangular pipe GOST 8645-68	20х20х2,5мм L=610	un.	2	6.15	
6	Rectangular pipe GOST 8645-68	20х20х2,5мм L=2000	un.	2	5.68	
7	Rectangular pipe GOST 8645-68	20х20х2,5мм L=70	un.	4	0.400	
8	Rectangular pipe GOST 8645-68	20х20х2,5мм L=500	un.	2	1.42	
9	plate	- 100 х80 х4мм	un.	6	1.50	
	Total weight for one section				29,7 кг	

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Roof reilling
Checked		M. Shamsov				

Stage	Page	Pages
WD	27	

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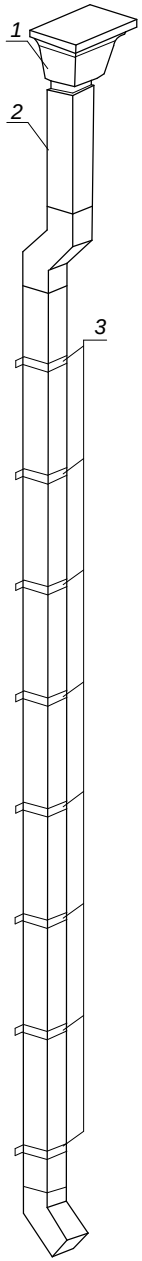

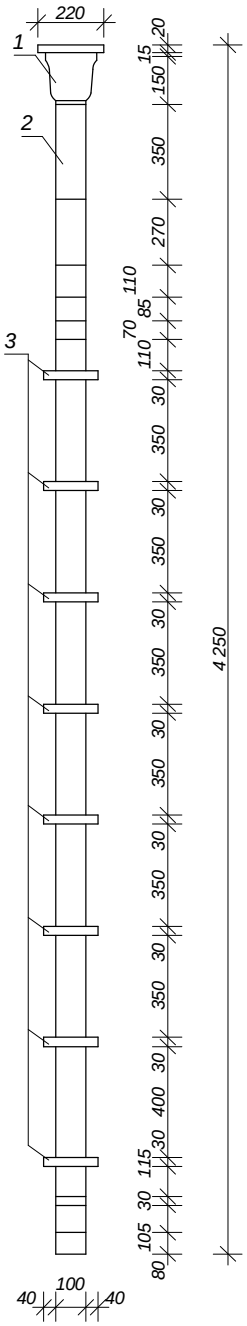

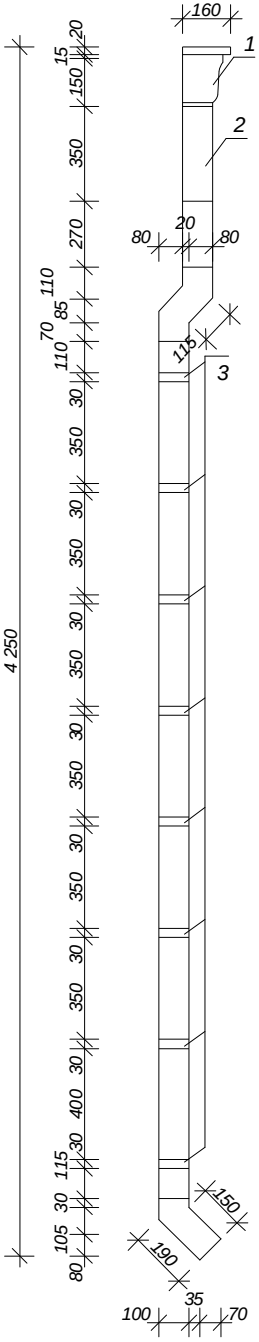

						CC
						Construction of 5 additional classrooms in secondary school N 3, Farkhor district.
dim.	Q-ty	Page	№ doc.	Signature	Data	
GIP		M. Shamsov				Architectural-planing solution
Developed		A. Pochoev				Water supply pipe
Checked		M. Shamsov				

Stage	Page	Pages
WD	28	

Private Buisnessman
Aslam Pochoev
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