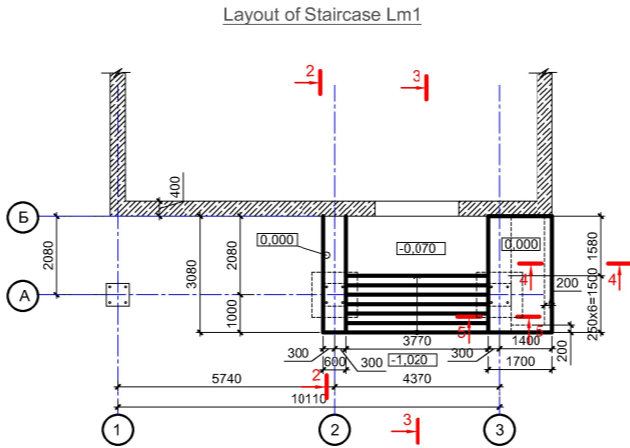
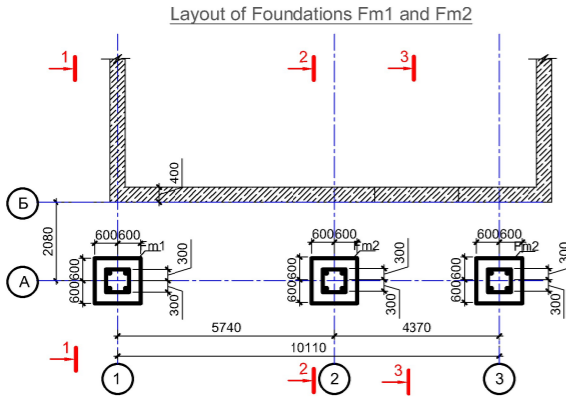


WORKING PROJECT

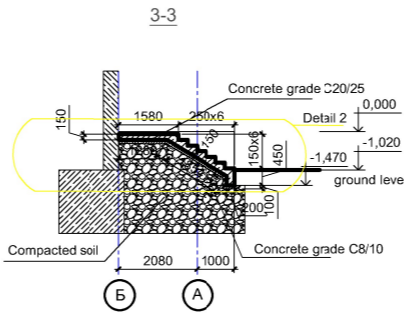
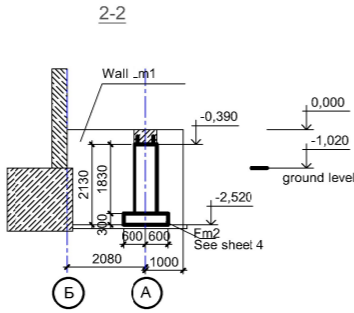
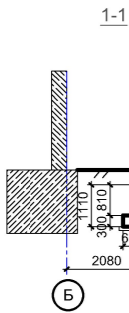
Album
RC (Reinforced Concrete Structures)
Project:

Almaty, 2024

Inv. No. / Signature	Signature and Date	Replaces Inv. No.



List of details									
№	Sketch	№	Sketch	№	Sketch	№	Sketch	№	Sketch
W1		W2		4		5		6	

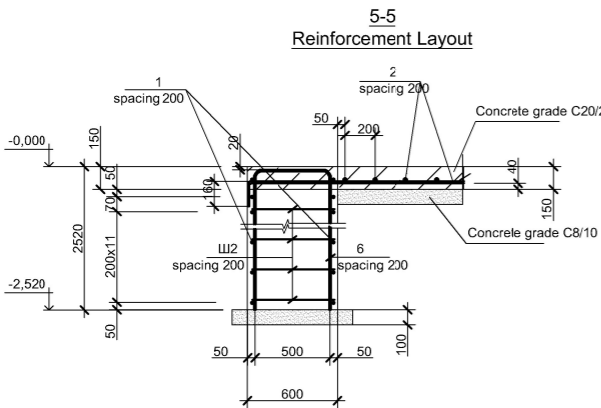
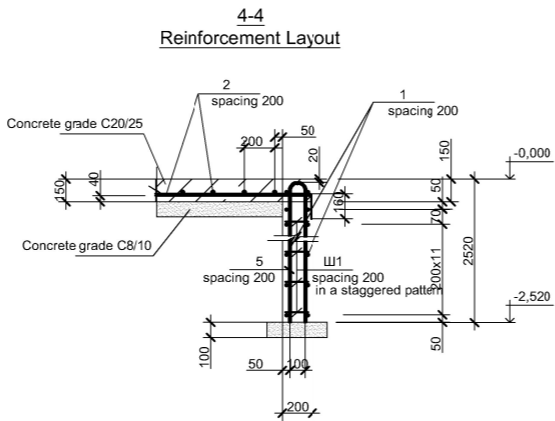
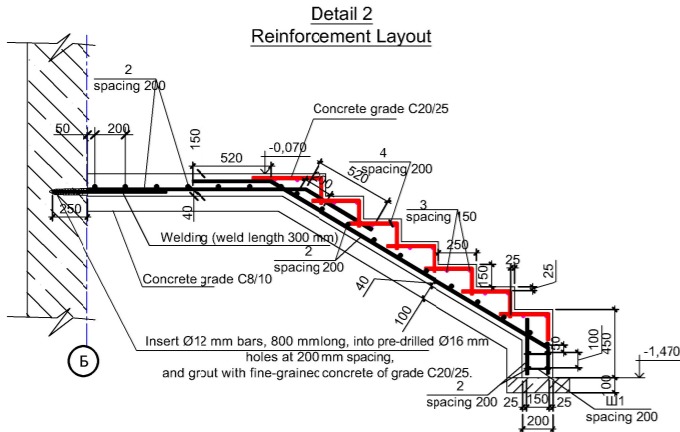


Steel consumption statement, kg.

Element grade	Reinforcement products								Total
	Rebar of grade								
	A400C				A240				
	GOST34028-2016				GOST34028-2016				
	Ø 10	Ø 12	Ø 16	Ø 20	Grand total	Ø 8	Ø 10	Grand total	
Staircase Lm1	79	678			757	127		127	884

Specification of elements

Mark	Designation	Title / Name	Qty. pcs.	Unit Weight, kg	Note
Staircase Lm1					
1	GOST34028-2016	Ø12 A400C L=270	270	0,888	
2	GOST34028-2016	Ø12 A400C L=205	205	0,888	
3	GOST34028-2016	Ø10 A400C L=4020	15	2,48	
4	GOST34028-2016	Ø10 A400C L=500	133	0,31	
5	GOST34028-2016	Ø12 A400C L=5100	22	4,5	
6	GOST34028-2016	Ø12 A400C L=5500	32	4,9	
W1	GOST34028-2016	Ø8 A240 L=345	240	0,14	
W2	GOST34028-2016	Ø8 A240 L=725	360	0,26	
Materials					
		Concrete grade C20/25 for slab-on-ground	0,785		m³
		Concrete grade C20/25 for walls	11,38		m³
		Concrete grade C20/25 for staircases	2,54		m³
		Concrete grade C8/10	2		m³



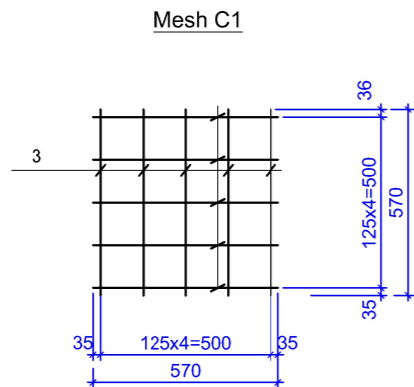
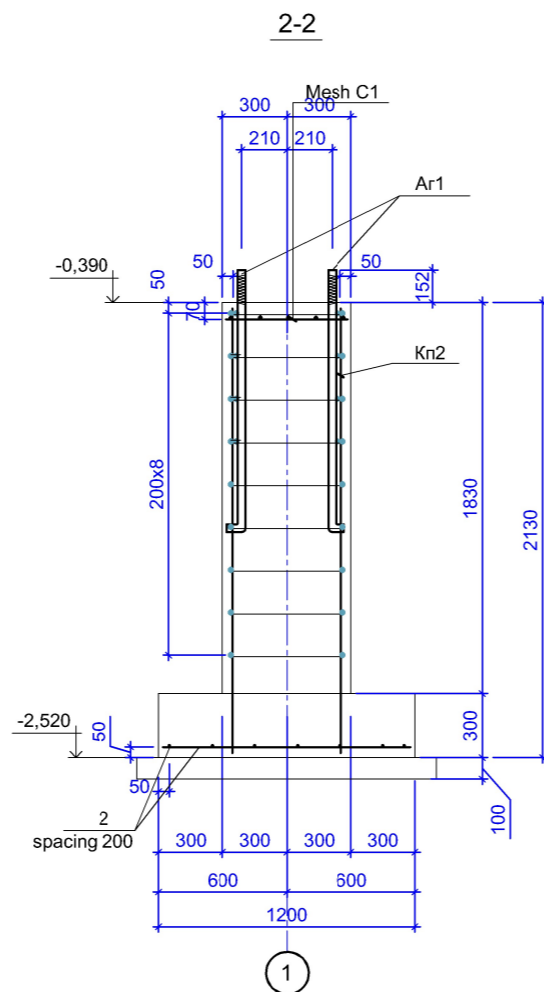
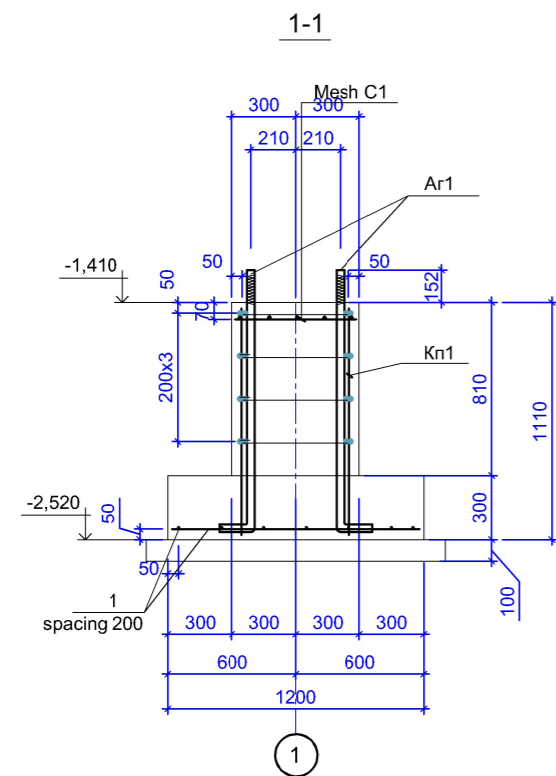
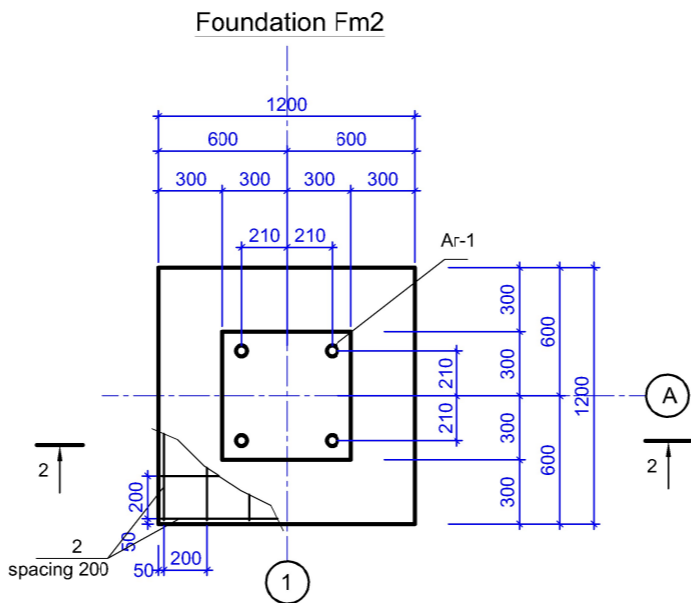
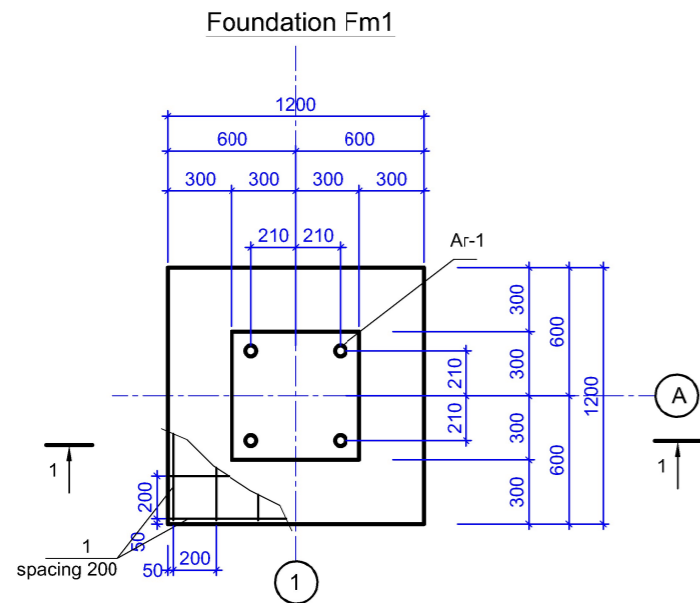
Foundation Specification

№	Title / Name	Designation	Qty.	Weight kg	Note
Fm1	Sheet KZh-4	Foundation Fm1	1		
Fm2	Sheet KZh-5	Foundation Fm2	2		
Lm1	See this sheet	Staircase on Ground Lm1	1		

- Tie the reinforcement with birding wire at all intersections.
- Anchoring rods (item 2) must be horizontally anchored into the walls of the main house foundation by 250 mm.
- For staircase construction, the base soil must be compacted in layers of 20 cm each, compacting to a density of $K_{comp}=0.96$.
- Item W1 to be installed in a staggered pattern.
- The height and number of steps shall be confirmed after final site grading.
- The floor slab shall be cast monolithically with the walls.
- Refer to sheets KZh-3 to KZh-4 for FM1 and FM2.

						Emirates Office			
Chan.	Col.	Sheet	Doc №	Signature	Date				
						Block 1	Stage	Sheet	Sheets
Developed by	Bagmet E.	<i>Bagmet</i>					WP	2	---
Checked							<div>BOIKO architects License №23013832</div>		
N. control									
						Layout of Foundations FM1 and FM2 and Staircase LM1			

Replaces inv. No.	
Signature and Date	
Inv. No. / Signature	



Steel Consumption Schedule, kg

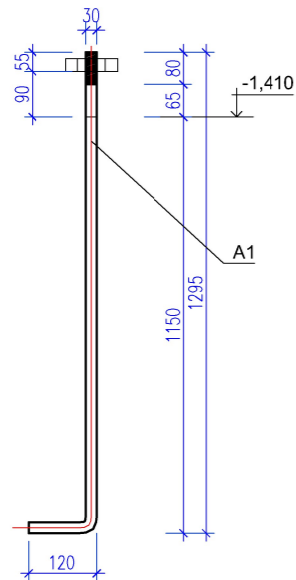
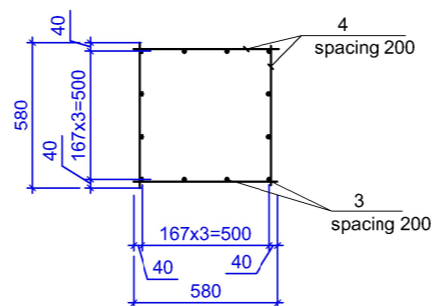
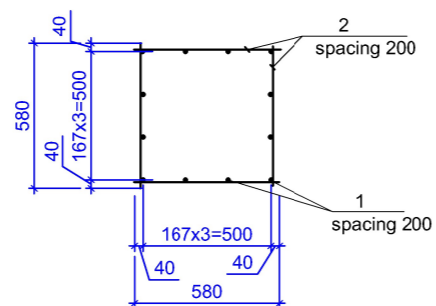
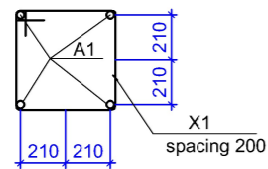
Element grade	Reinforcement Products							Embedded Parts						Total
	Rebar Class							Bolt			Rolled Steel			
	A400C				A240			Bolt 1.1 (Steel 09G2S)			L 110x10			
	GOST 34028-2016				GOST 34028-2016			GOST 24379.1-80			ST RK EN 10056-1-2012			
	Ø 12	Ø 16	Ø 18	Grand total	Ø 10		Grand total	Ø 24	Ø 30	Grand total	L110x10		Grand total	
Foundation Fm1	35	9		44	6		6		37	37				87
Foundation Fm2	57	9		66	6		6		37	37				109

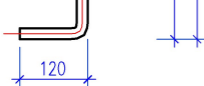
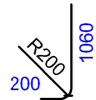

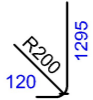
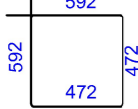
Specification

Mark	Title / Name	Designation	Qty.	Unit Weight, kg	Total Weight
		Foundation Fm1			87
1	GOST34028-2016	Ø12 A400C L=15	15	0,888	13
Ar-1	see sheet 4	Ar-1 Anchor Group	1	43	43
Kn1	see sheet 4	Kn1 Spatial Frame	1	22	22
C1	this sheet	C1 Mesh	1	9	9
		Concrete C20/25 (B25) m3	0,73		
		Concrete C8/10 m3	0,196		
		Mesh C1			
3	GOST34028-2016	Ø16 A400C L=570	10	0,9	9
		Foundation Fm2			109
2	GOST34028-2016	Ø12 A400C L=15	15	0,888	13
Ar-1	see sheet 4	Ar-1 Anchor Group	1	43	43
Kn2	see sheet 4	Kn2 Spatial Frame	1	44	44
C1	this sheet	C1 Mesh	1	9	9
		Concrete C20/25 (B25) m3	1,1		
		Concrete C8/10 m3	0,196		

- Reinforcement shall be tied with binding wire at all intersections.
- Foundations shall be cast monolithically with Staircase Lm1.
- Anchor groups must be fixed in their design position during installation.
- Refer to this sheet together with sheet KZh 2.4.

						Emirates Office						
Chan.	Col.	Sheet	Doc №	Signature	Date				Stage	Sheet	Sheets	
						Block 1						
									WP	3	---	
Developed by	Bagmet E.			<i>Bagmet</i>		Foundations Fm1, Fm2			<div>BOIKO</div> <div>architects</div> <div>License №23013832</div>			
Checked												
N. control												



Inv. No. / Signature	Signature and Date	Replaces Inv. No.					
		Bill of Parts					
		Nº	Sketch	Nº	Sketch	Nº	Sketch
		1		3		A1	
		X1					

Mark	Title / Name	Designation	Qty.	Unit Weight, kg	Total Weight
		Kn1			22
1	GOST 34028-2016	Φ12 A400C L=1260	12	1,1	13,4
2	GOST 34028-2016	Φ12 A400C L=580	16	0,51	8,2
		Kn2			44
3	GOST 34028-2016	Φ12 A400C L=2295	12	2,1	24,5
4	GOST 34028-2016	Φ12 A400C L=580	36	0,51	19
		Ar1			43
A1	GOST 24379.1-80	Bolt 1.1 M30×1415 (Steel 09G2S)	4	9,2	37
X1	GOST 34028-2016	Ø10 A240 L=2128	4	1,31	5,3

- | | | | | | | | | | | |
|--------------|-----------|-------|------------------|-----------|------|---|--|---|-------|--------|
| | | | | | | | | | | |
| | | | | | | Emirates Office | | | | |
| | | | | | | | | | | |
| Chan. | Col. | Sheet | Doc № | Signature | Date | | | | | |
| | | | | | | Block 1 | | Stage | Sheet | Sheets |
| | | | | | | | | WP | 4 | --- |
| Developed by | Bagmet E. | | <i>E. Bagmet</i> | | | Spatial Frames Kp1, Kp2.
Anchor Groups Ag1 | | BOIKO
architects
License №23013832 | | |
| Checked | | | | | | | | | | |
| N. control | | | | | | | | | | |
| | | | | | | | | | | |