

Architectural Project
Typical Kindergarten
Akhalgazrdoba str., 5
Kareli town



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The construction site (cadastral code of the land plot 68.10.49.512) is located in the town of Kareli, according to the norms - "Construction Climatology" the climatic characteristics of the construction site are:

- The average temperature of the year is + 10.7 ° C
- Absolute maximum temperature + 40 ° C
- Absolute minimum temperature - 26 ° C
- Annual precipitation -630 mm
- Weight of snow cover - 0.5 kPa
- Normal height of seasonal ground freezing - 0 m
- Normal wind pressure 0.3 kPa
- The prevailing wind direction is - East

- According to the map of seismic zones, Kareli belongs to - 8 magnitude seismic zone. From an engineering geological point of view, the area allocated for construction is in satisfactory condition, physical-geological events (landslides, collapses, etc.) are not observed.

PLANNING

Current status - The construction site is a rectangular plot of land bordered on the north and east by a public area, namely streets, and adjacent plots of land on all other sides.

BUILDING

The building presented in the project is a one-storey stone building, the floor level of which is raised by an average of 1.0 meters from the ground (including the sarin).

The ground floor mark 0.00 corresponds to the absolute mark 650.40.

The height of the floor of the building from floor to ceiling is 3.4 meters.

The filling of the outer walls is done with a reinforced masonry of small wall pumice blocks with a thickness 30 cm.

The bearing structure of the building is a complex reinforced concrete frame, a frame structure consisting of reinforced concrete columns, monolithic reinforced concrete slabs. Reinforced concrete columns on the exterior walls can be concreted in parallel with the construction of the walls.

The partitions are made of reinforced small wall pumice block with a thickness of 10 cm.

The floors in the bathrooms are tiled, while the rooms have laminate flooring (deck). Floor warming is completed with XPS tiles, while ceiling warming is done with glass wool.

The suspended ceilings of the toilets and the kitchen are made of plastic, while in the rooms they are made of gypsum board. The bearing structure of the roof is made of wood, while the roof is made of painted metal tile.

The windows are made of PVC with double glazing.

The entrance doors are made of steel and iso-aluminum, PVC in the sanitary units, and in the rooms from wood (so-called MDF). External stairs and platforms are paved with basalt tiles.

The building is provided with electricity, sewerage, and water supply, as well as internal heating networks, which will be connected to external main district networks.

According to the decree of the Government of Georgia, taking into account the characteristics of the grades of buildings, the building belongs to the 3rd grade.

Technical specifications of the area:

- Area - 2507.0 m2,
- Development area - 459.8 m2,
- Density of development - 459.8 m2,
- Planting area - 1650 m2
- Coefficient K1 - 0.2
- Coefficient K2 - 0.2
- Coefficient K3 - 0.7

Technical specifications of the building:

- Number of the floors in the building - 1-floor
- Volume of the building - 3720 m3
- Among them:
- Surface - 2860 m3
- Underground - 860 m3
- Total area - 415.7 m2

Typical
Kindergarten
#5, Akhlagzardoba
street, Kareli

k-1 Sketch



682.23 m2

Project address:

Georgia,
Kareli

Stage:
Architectural project

**Explanatory
note**

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ა. გერგედავა
A. Gergedava

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Rendering

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli



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Rendering
Rendering

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მწიკის (გზნავი ქონების) საკადასტრო კოდი N 68.10.49.512

ამონაწერი საჯარო რეესტრიდან

განცხადების რეგისტრაცია N 882020645413 - 11/09/2020 16:44:04 მომზადების თარიღი 16/09/2020 12:30:07

საკუთრების განყოფილება

მონაქარელი	სექტორი ქარელი	კვარტალი	ნაკვეთი	ნაკვეთის საკუთრების ტიპი:საკუთრება
68	10	49	512	ნაკვეთის დანიშნულება: არასასოფლო სამეურნეო დამუსტგებული ფართობი: 2507.00 კვ.მ. ნაკვეთის წინა ნომერი: 68.10.49.072;

მისამართი: ქალაქი ქარელი , ქუჩა ახალგაზრდობა , N 5

მესაკუთრის განყოფილება

განცხადების რეგისტრაცია : ნომერი 882020645413 , თარიღი 11/09/2020 16:44:04 უფლების რეგისტრაცია: თარიღი 16/09/2020

უფლების დამადასტურებელი დოკუმენტი:
 • ბრძანება N1/1-2729 , დამოწმების თარიღი:01/09/2020 ,სსიპ სახელმწიფო ქონების ეროვნული სააგენტო

მესაკუთრები:
 სსიპ ქარელის მუნიციპალიტეტი, ID ნომერი:240893002

მესაკუთრე: ალწერა:
 სსიპ ქარელის მუნიციპალიტეტი

იპოთეკა

საგადასახადო გირავნობა:
 რეგისტრირებული არ არის

ვალდებულება

ყადაღა/აკრძალვა:
 რეგისტრირებული არ არის
 მოვალეთა რეესტრი:
 რეგისტრირებული არ არის

საჯარო რეესტრის ეროვნული სააგენტო. <http://public.reestri.gov.ge>

გვერდი: 1(2)

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- კონსულტაციის მიღება შესაძლებელია იუსტიციის სახლის ცხელ ხაზზე 2 405405;
- საჯარო რეესტრის თანამშრომელთა მსრიდან უკანონო ქმედების შემთხვევაში დავიკავშირდით ცხელ ხაზზე: 08 009 009 09
- თქვენთვის საინტერესო ნებისმიერ საკითხთან დაკავშირებით მოგვწერეთ ელ-ფოსტით: info@napr.gov.ge

Project address:
 Georgia,
 Kareli

Stage:
 Architectural project

Land cadastre

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ფურცელი
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Cadastral Data

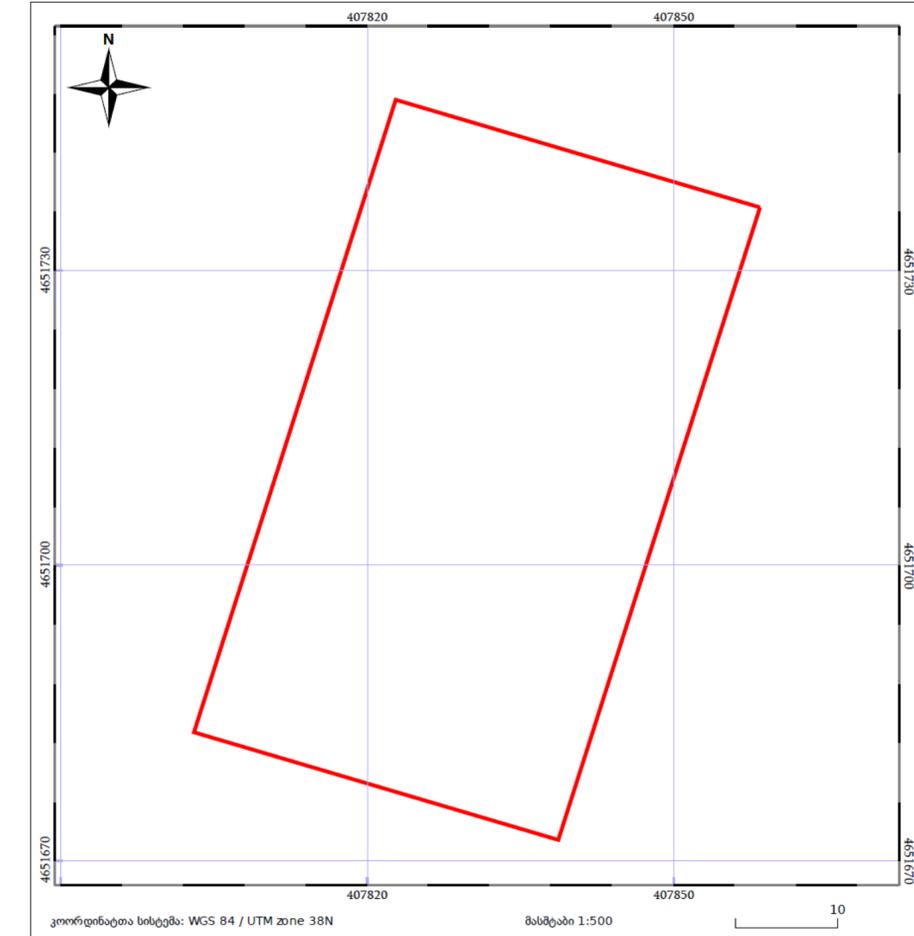


საკადასტრო გეგმა

საჯარო რეგისტრის ეროვნული სააგენტო

საკადასტრო კოდი: 68.10.49.512
 განცხადების ნომერი: 882020554403
 მომზადების თარიღი: 21/08/2020

ნაკვეთის დანიშნულება: არასასოფლო სამეურნეო
 ფართობი: 2507 კვ.მ (WGS 84 / UTM zone 38N)



05/25	შენიშნული ნაკვეთი	05/25	შენიშნული ნაკვეთი	○	ტყის ფონდი
—	ნაკვეთის საკადასტრო საზღვარი	++++	საზღვარი ნაკვეთი	■	ვალდებულება

საჯარო რეგისტრის ეროვნული სააგენტო: ქალაქი თბილისი, სანაპიროს ქუჩა, N2; ტელ: (995 32) 2 25 15 28;

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Typical Kindergarten #5, Akhlagzrdoba street, Kareli

Project address:
Georgia,
Kareli

Land cadastre

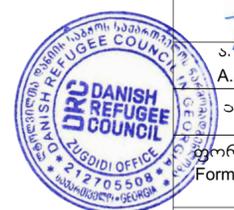
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A. Gergedava

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Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli

Project address:
Georgia,
Kareli

Stage:
Architectural project

Layout Plan

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A. Gergedava

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Conventional Signs

	Cadastral border
	Wall fireproof (one hour)
	Wall Fireproof (150 minutes)
	Educational Group EG
	Business Group BG
	Gathering Group GG-2
	Gathering Group GG-3
	Warehouse Group-2
	Concrete block masonry
	Hand fire extinguisher
	Exit sign

Analysis of Compliance of the Building with Safety Rules

Used rules- Building Safety Rules

List the occupations of the building
Educational Group EG
Business Group BG
Gathering Group-2
Gathering Group- GG-3
Warehouse Group SG-2

Structure Type	
Determine the construction type for the new building	V-
Height Limitations	
Occupations	Suggested Height
1. Educational Group EG	1 Floor
2. Business groupd BG	
3. Gathering Group GG-2	
4. Gathering Group -3	
5. Warehouse Group-WG-2	
Total Height	8.00
Number of floors above ground	1 Floor

Limitations of the Area		
Occupations	Allowable area	Suggested Area
1. Educational Group EG	880	87.6 m2
2. Business groupd BG	840	21.65 m2
3. Gathering Group GG-2	560	110.92 m2
4. Warehouse Group	1250	54.1 m2
Total Area of The Flooring	415.7 m2	
Quantity of Flooring	Aboe the ground level 1	
Total area of the building	459.8 m2	

Requirements to External Wall Aperture					
External Wall	Fire-fighting distance	area of wall aperture			
		allowable		forseen	
		protected	protected	protected	protected
Axis 1-8	21.2m.	unlimited	unlimited		28 %
Axis A-E	27,7m.	75%	25%		14 %
Axis 8-1	11,2m.	unlimited	unlimited		20 %
Axis D-A	8.2 m.	unlimited	unlimited		15 %

Requirements to the Fire-Prevention System		
Is there an auto-sprinkler system?		No
Is there a fire extinguishing system?		No
Is there a smoke control system?		No
Are there hand-held fire extinguishers?	Yes	
Is there a fire alarm system?	Yes	
Installation of emergency lighting	Yes	

Number and width of exits for Educational						
Floors	Number of exits		Width of exits			
			Stairs		Other components	
	Requested	Envisaged	Requested	Envisaged	Requested	Envisaged
I Floor	1	1			0.82	1.00

Number and width of exits and for Business Group						
Floors	Number of exits		Width of exits			
			Stairs		Other components	
	Requested	Envisaged	Requested	Envisaged	Requested	Envisaged
I Floor	1	1			0.82	0.90

Number and width of exits and for Gathering Group-2						
Floors	Number of exits		Width of exits			
			Stairs		Other components	
	Requested	Envisaged	Requested	Envisaged	Requested	Envisaged
I Floor	1	1			0.82	1.00

Number and width of exits for Gathering Group-3						
Floors	Number of exits		Width of exits			
			Stairs		Other components	
	Requested	Envisaged	Requested	Envisaged	Requested	Envisaged
I Floor	1	2			0.82	1.50

Number and width of exits for Wharehouse Group-2						
Floors	Number of exits		gasasvlelis sigane			
			Stairs		Other components	
	Requested	Envisaged	Requested	Envisaged	Requested	Envisaged
I Floor	1	1			0.82	1.00

Number of fixtures of water supply systems						
Calculation of load of occupation						
Fixtures	Requested			Envisaged		
	I	II	III	I	II	III
Toilet bowl	J			FF		
Toilet wahs basin	J			FF		
Bathroom/shower room	2			2		
Fountain for drinking water	-			-		
Service wash basin	1			#		

Typical Kindergarten #5, Akhlagzrdoba street, Kareli

Project address: Georgia, Kareli

Stage: Architectural project

Analysis of Compliance of the Building with Safety Rules

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ა. გერგედავა A. Gergedava

ფორმატი A - 2



Load of Occupation, Access and Exit

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli



Project address:
Georgia,
Kareli

Stage:
Architectural project

Load of Occupation,
Access and Exit

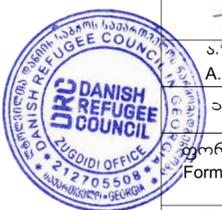
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B. Qantaria

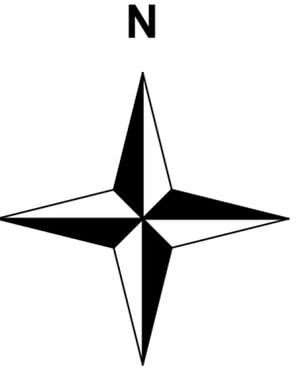
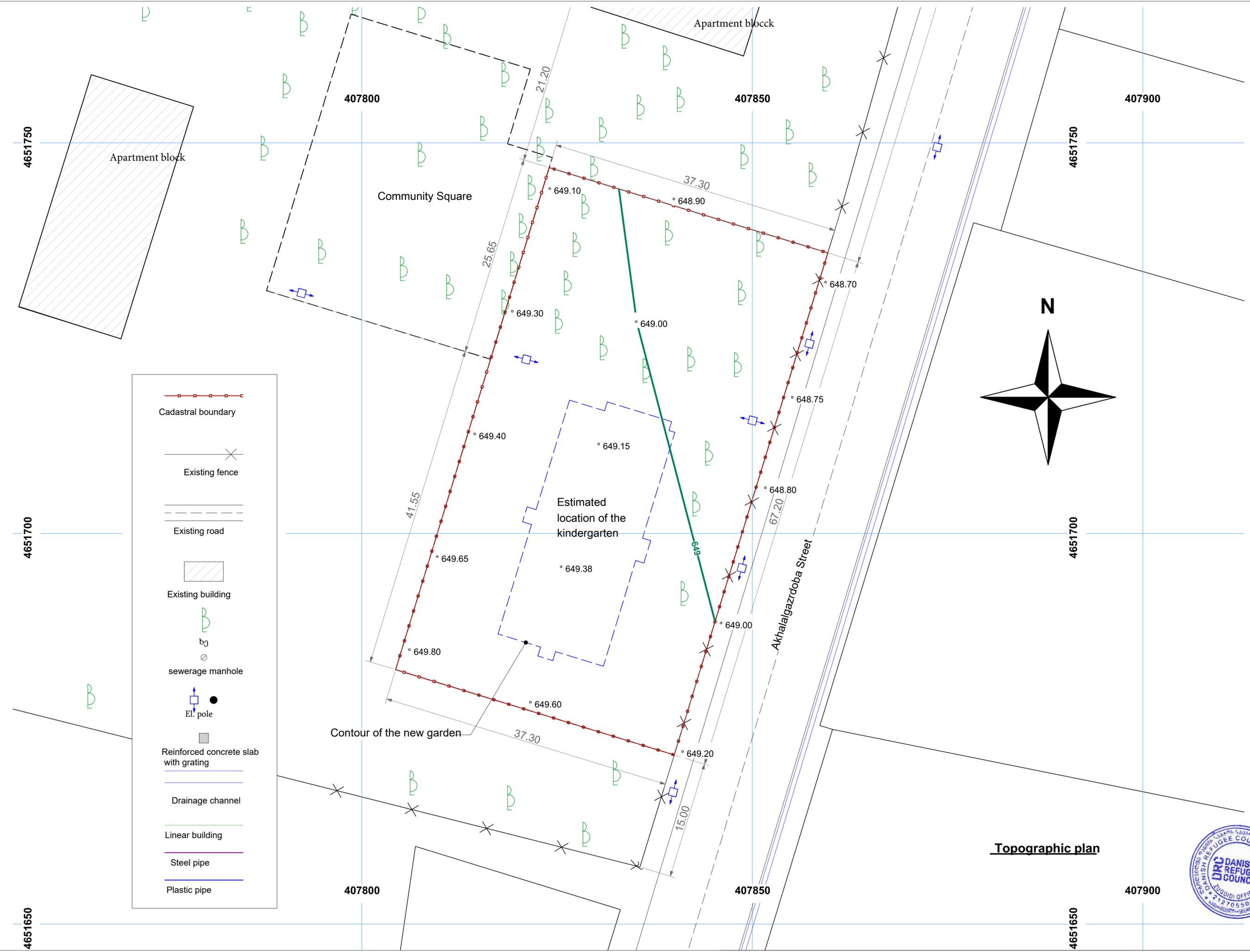
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A. Gergedava

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Format A - 2

ფურცელი
Page 9

ფურცლები
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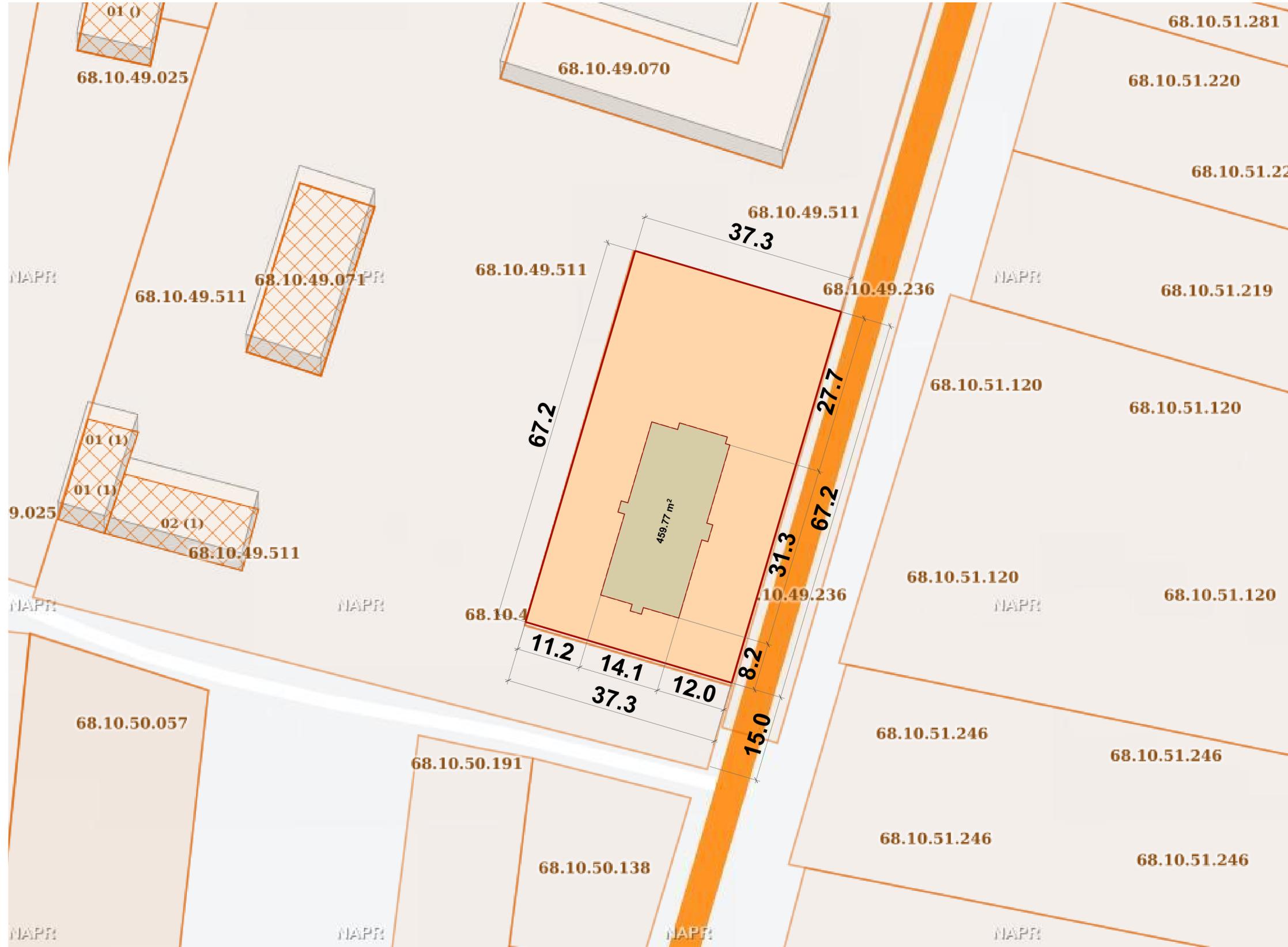




Topographic plan



Layout Plan



Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli

Project address:
Georgia,
Kareli

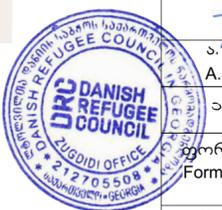
Stage:
Architectural project

Layout Plan

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B. Qantaria

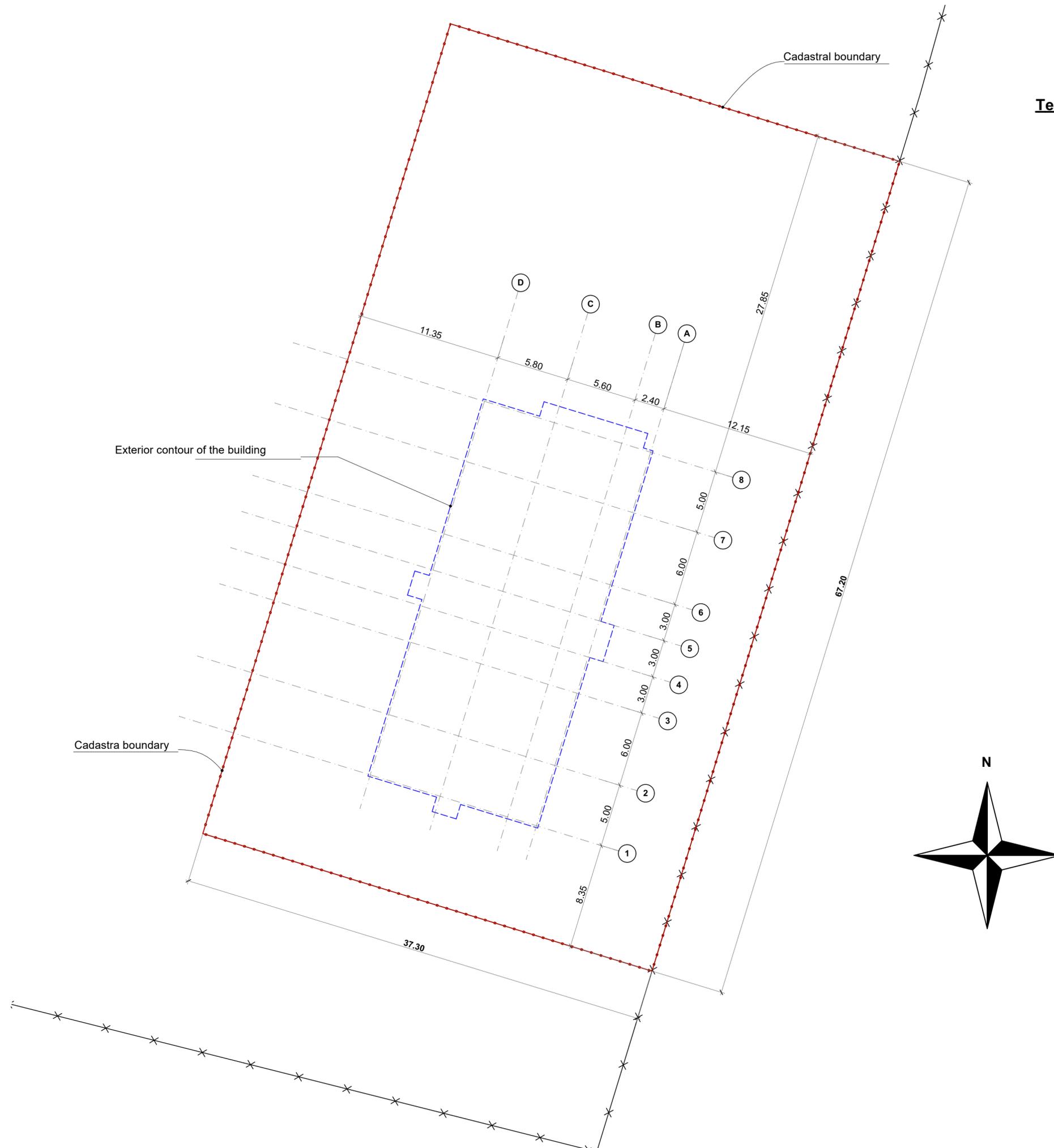
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Territory marking

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli



Project address:
Georgia,
Kareli

Stage:
Architectural project

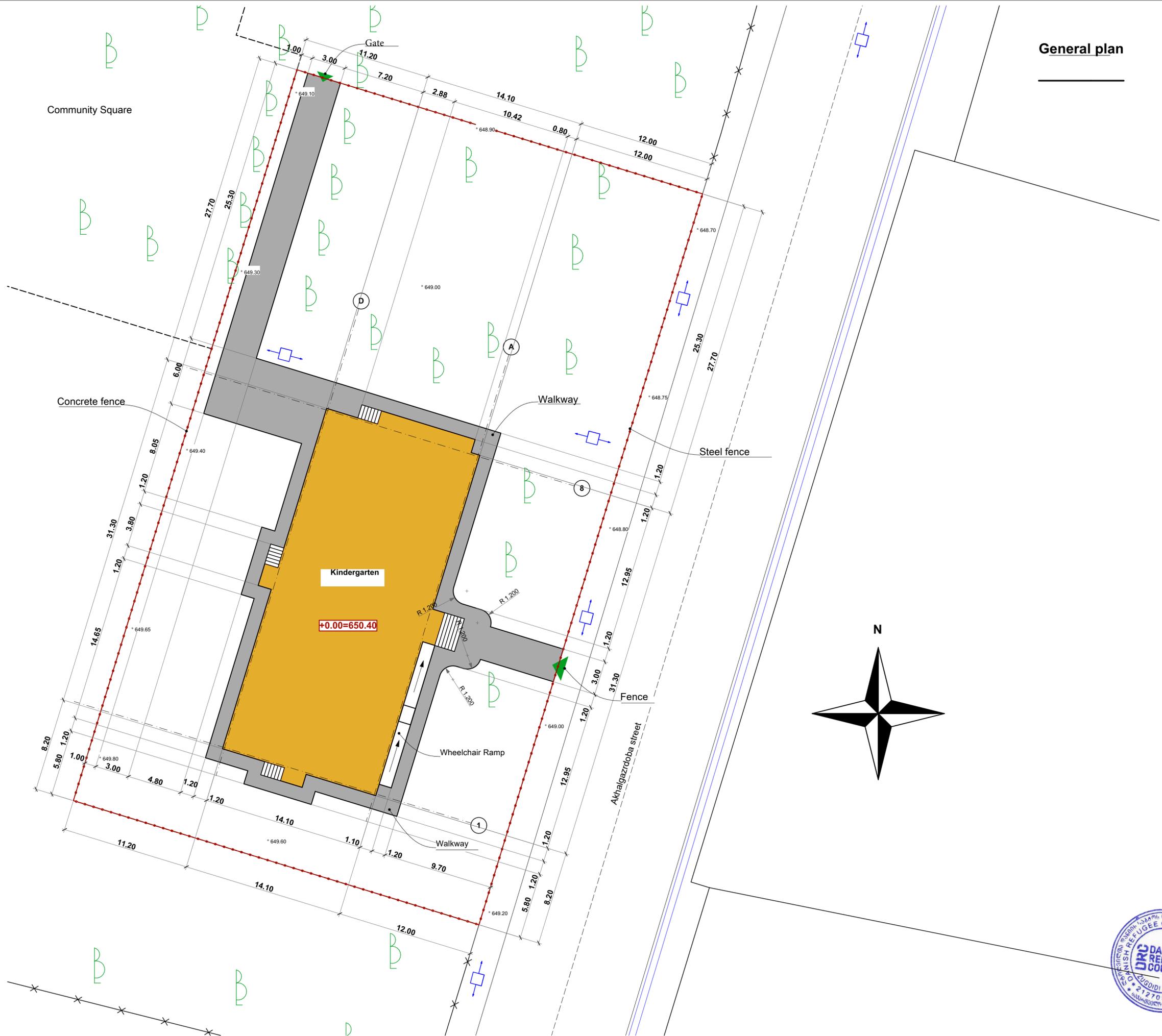
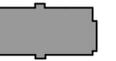
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marking**

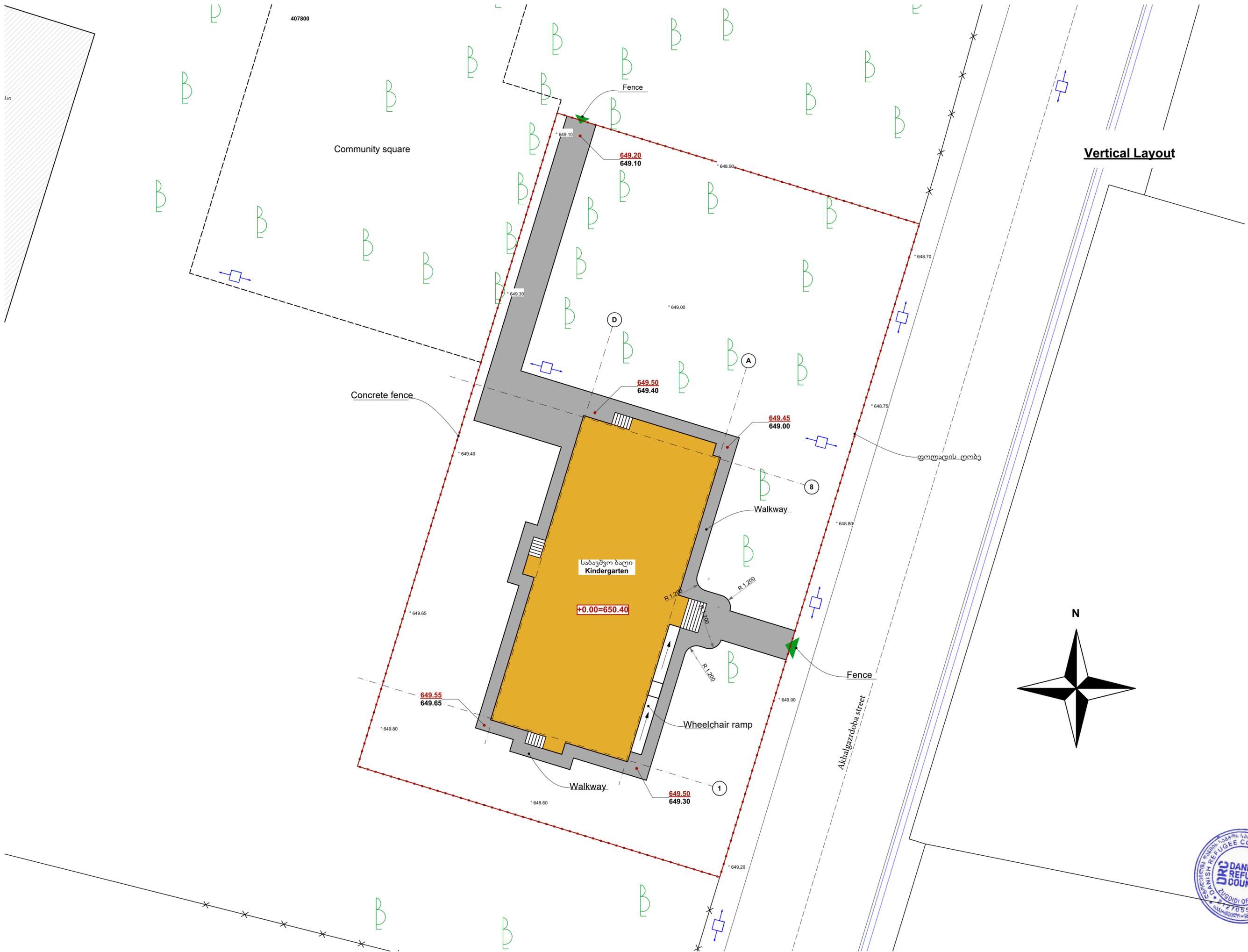
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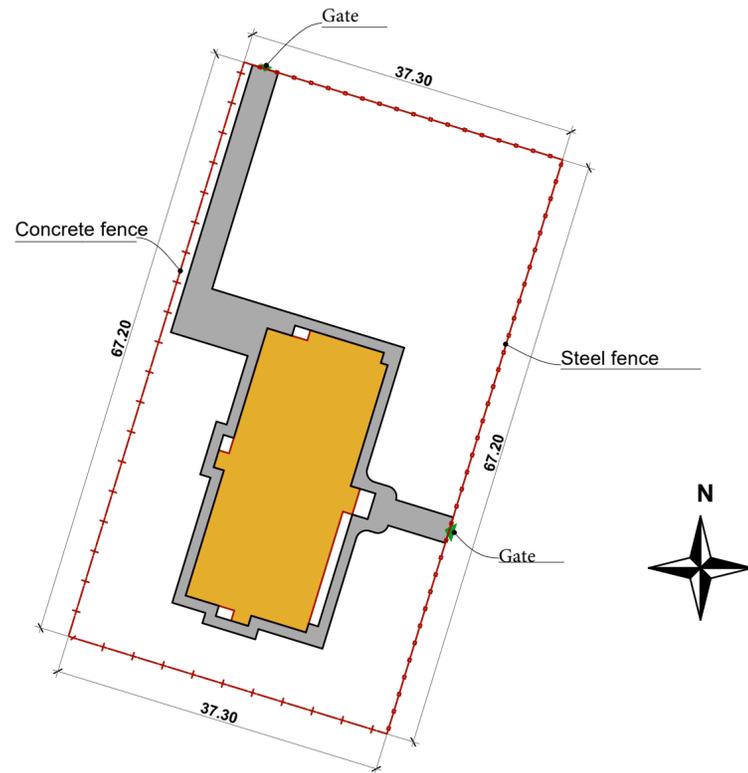




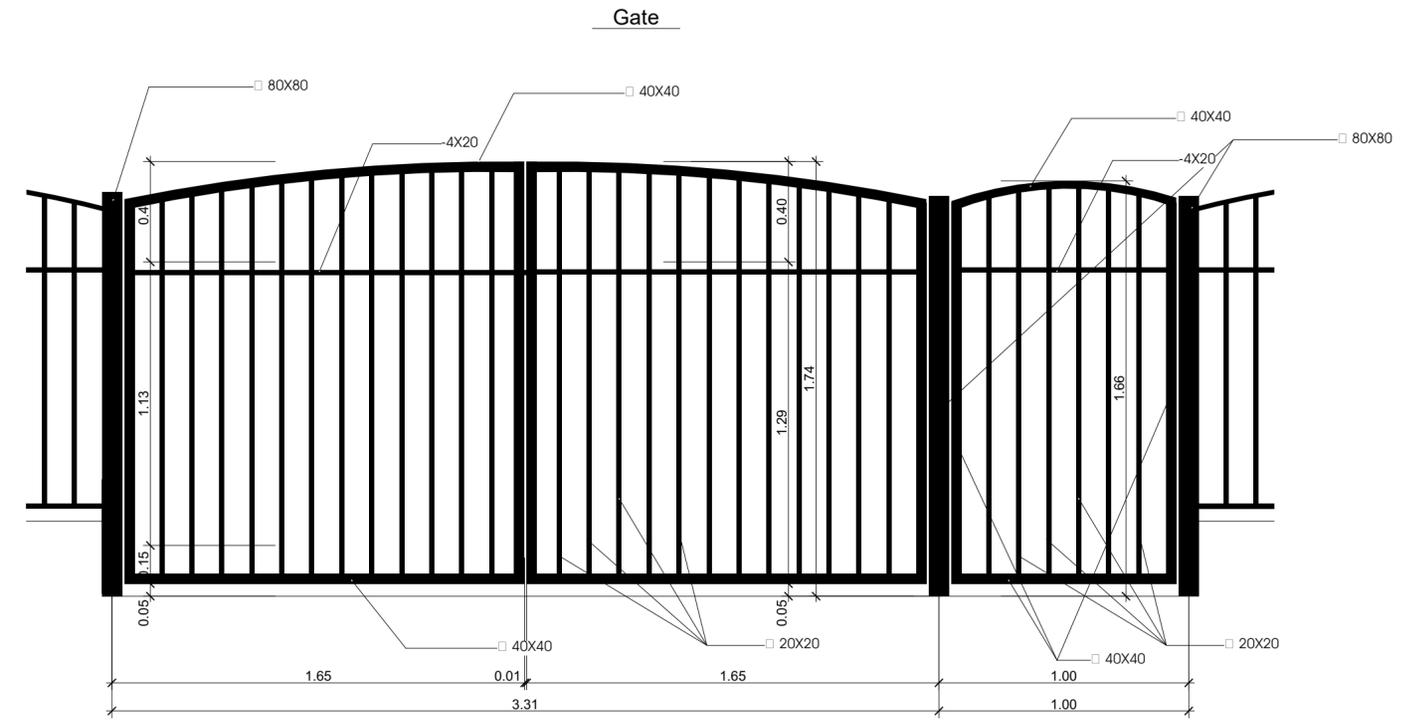
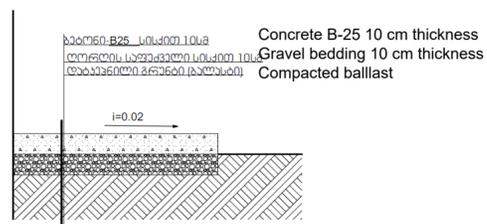
Vertical Layout



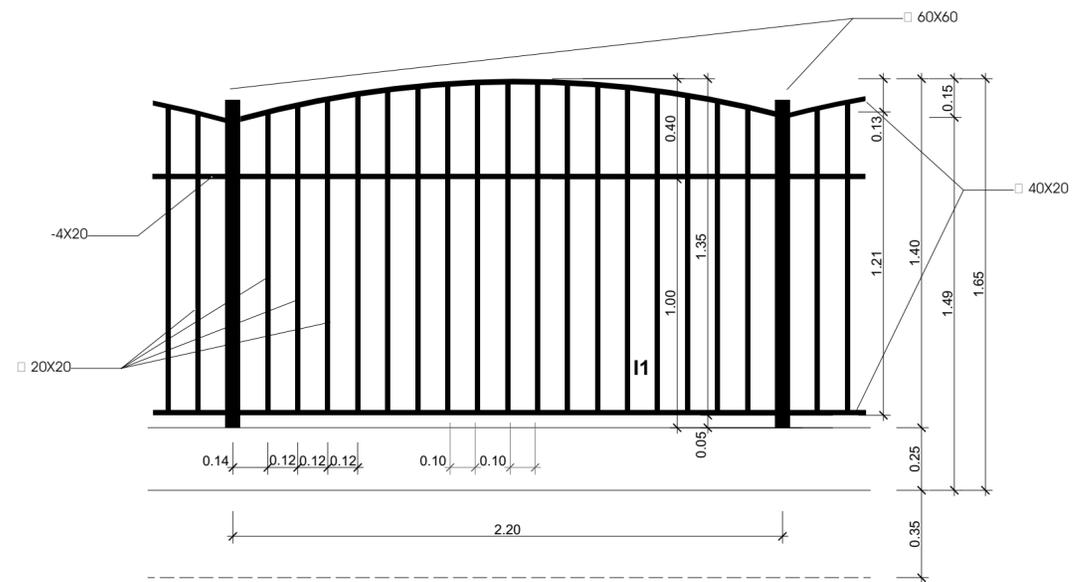
Fence polygon



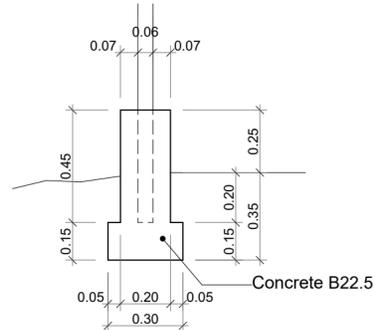
Walkway structure



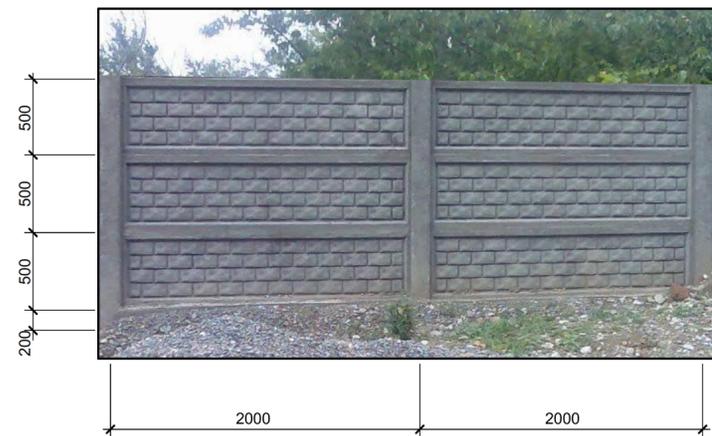
Fence Section

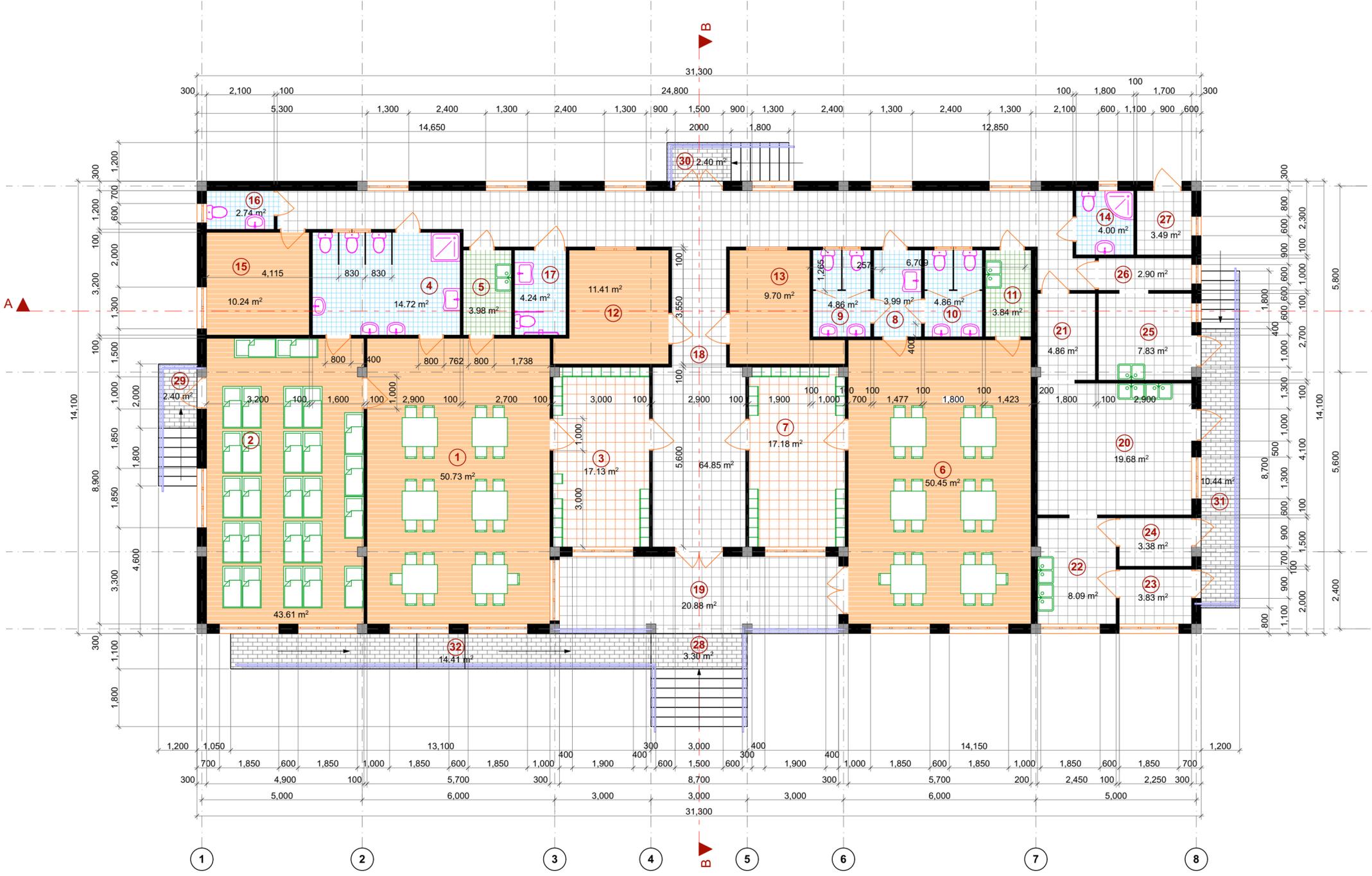


Section 1-1



რეინბეტონის პანელური ტიპის
Reinforced Concrete Panel Fence





1. ჯგუფის ოთახი	50.73 m ²	1. Group room
2. საძინებელი	43.61 m ²	2. Bedroom
3. გასახდელი	17.2 m ²	3. Wardrobe
4. სანკანძი	14.72 m ²	4. WC
5. ბუფეტი	3.98 m ²	5. Buffet
6. ჯგუფის ოთახი	50.45 m ²	6. Group room
7. გასახდელი	17.2 m ²	7. Wardrobe
8. სანკანძი	3.99 m ²	8. WC
9. სანკანძი გოგნების	4.86 m ²	9. WC
10. სანკანძი ბიჭების	4.86 m ²	10. WC
11. ბუფეტი	3.84 m ²	11. Buffet
12. ბალის დირექტორი	11.41 m ²	12. Manager
13. პერსონალის ოთახი	9.72 m ²	13. Staff room
14. სანკანძი პერსონალის	4 m ²	14. WC
15. ექიმის ოთახი	10.24 m ²	15. Medical office
16. სანკანძი	2.74 m ²	16. WC
17. სანკანძი მშპ პართათვის	4.24 m ²	17. WC
18. პოლი დერეფნით	64.85 m ²	18. Hall with corridor
19. აფანი საბავშვო ეტლებისათვის	20.88 m ²	19. Balcony
20. სამზარეულო	19.7 m ²	20. Kitchen
21. საკვების გაყვამის ზონა	4.86 m ²	21. Distribution room
22. სამზარეულოს სამრეცხაო	8.09 m ²	22. Washing of kitchen
23. მშრალი პროდუქტის სანეობი	3.83 m ²	23. Dry food warehouse
24. ბოსტნეულის სანეობი	3.38 m ²	24. Vegetable warehouse
25. სამრეცხაო-საუთოებელი	7.83 m ²	25. Washing and ironing room
26. სუფთა თეთრეულის სანეობი	2.9 m ²	26. Clean laundry warehouse
27. საქაბე მუერნების კვანძი	3.08 m ²	27. Boiler room
28. კიბის ბაქანი	3.3 m ²	28. Stairway
29. კიბის ბაქანი	2.4 m ²	29. Stairway
30. კიბის ბაქანი	2.4 m ²	30. Stairway
31. კიბის ბაქანი	10.44 m ²	31. Stairway
32. პანდუსი		32. Pandus
საერთო ფართობი	415.73 m ²	Total area

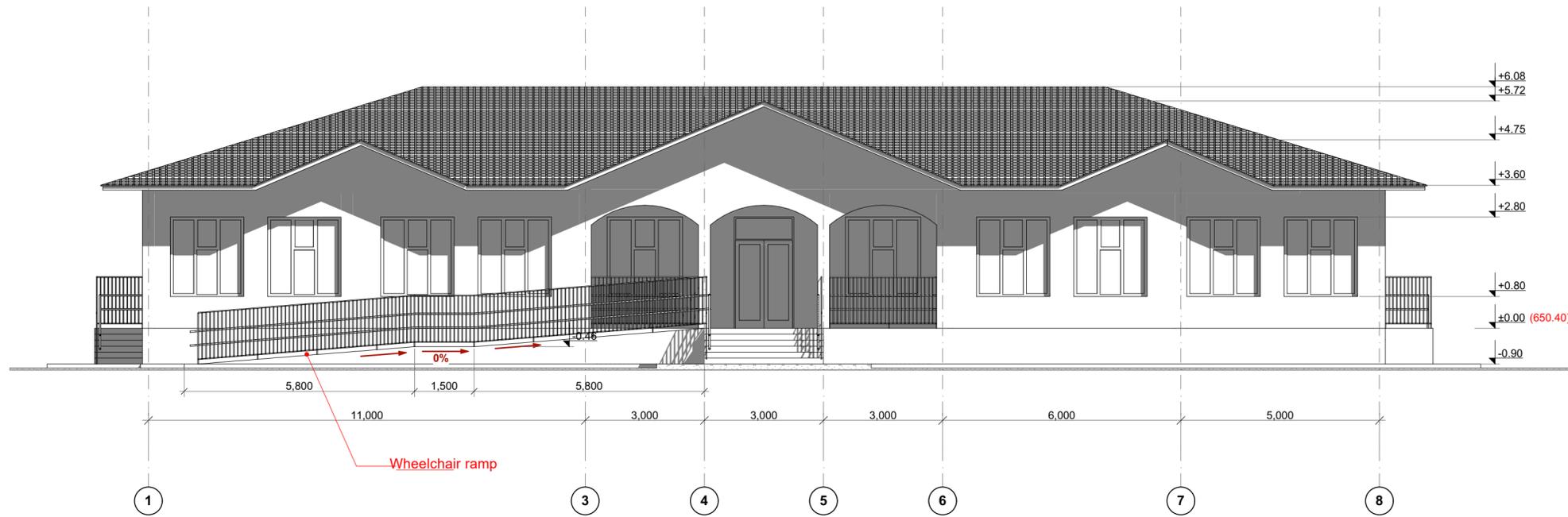
ბ. ჯანთარია
B. Qantaria

ა. გერგედავა
A. Gergedava

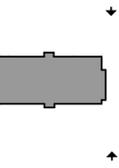
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Format A - 2



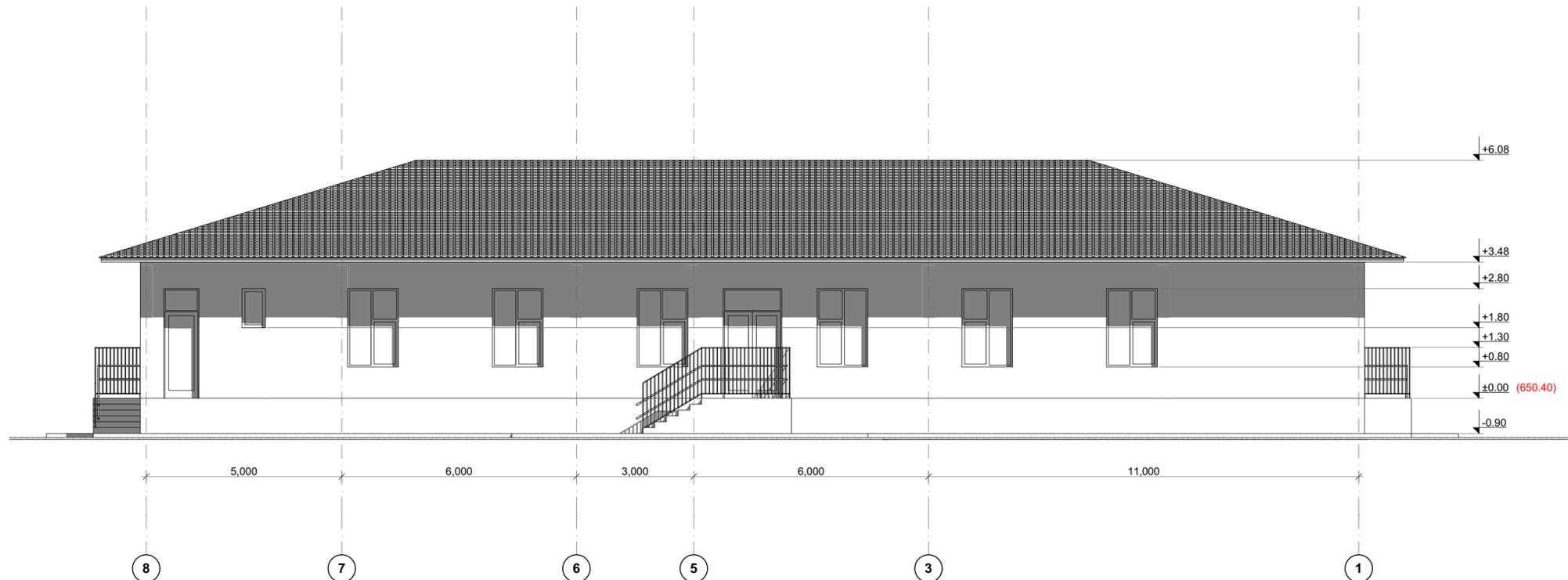
Facade 1-8



Typical
Kindergarten
#5, Akhlagzardoba
street, Kareli



Facade 8-1



Project address:
Georgia,
Kareli

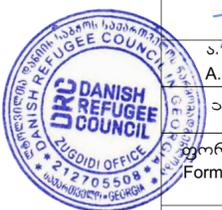
Stage:
Architectural project

Facade

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ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2



Textures on Rendering

Typical
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#5, Akhlagzrdoba
street, Kareli



Project address:
Georgia,
Kareli

Stage:
Architectural project

ფაქტურები
რენდერზე

ბ. ჯანთარია
B. Qantaria

ა. გერგედავა
A. Gergedava

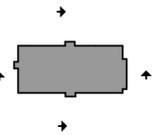
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Format A - 2



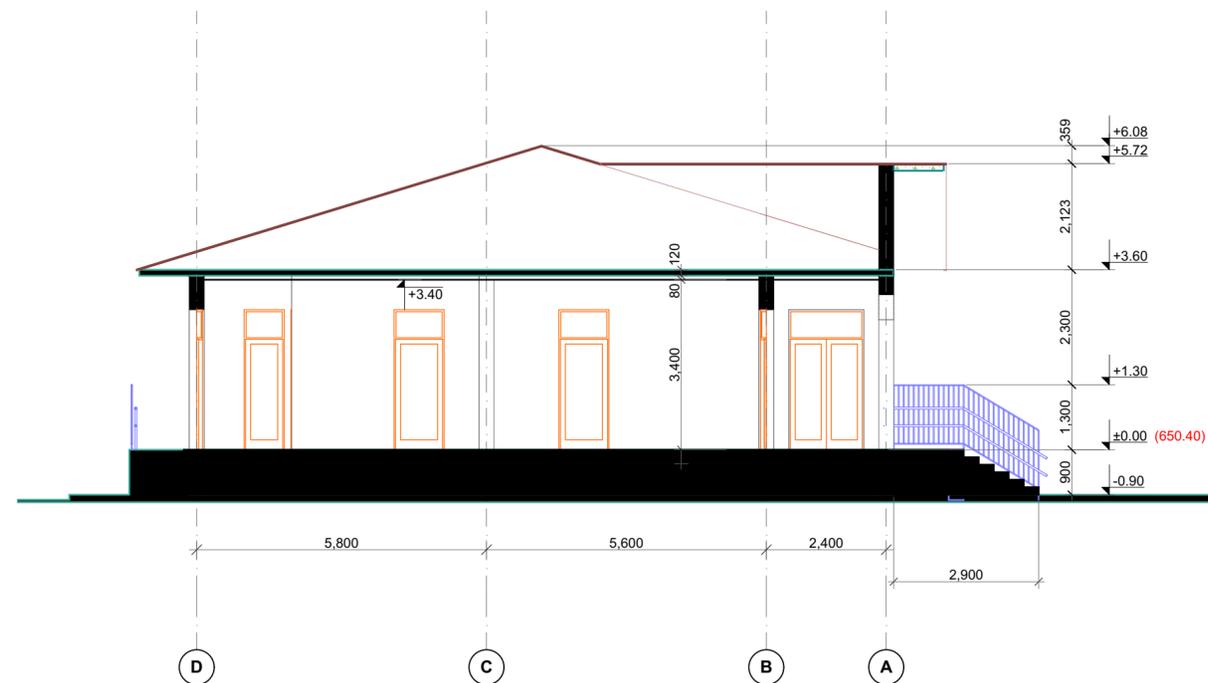
Section A-A



Typical
Kindergarten
#5, Akhalgazrdoba
street, Kareli



Section B-B



Project address:
Georgia,
Kareli

Stage:
Architectural project

ჭრილი A-A
ჭრილი B-B

ბ. ჯანთარია
B. Qantaria

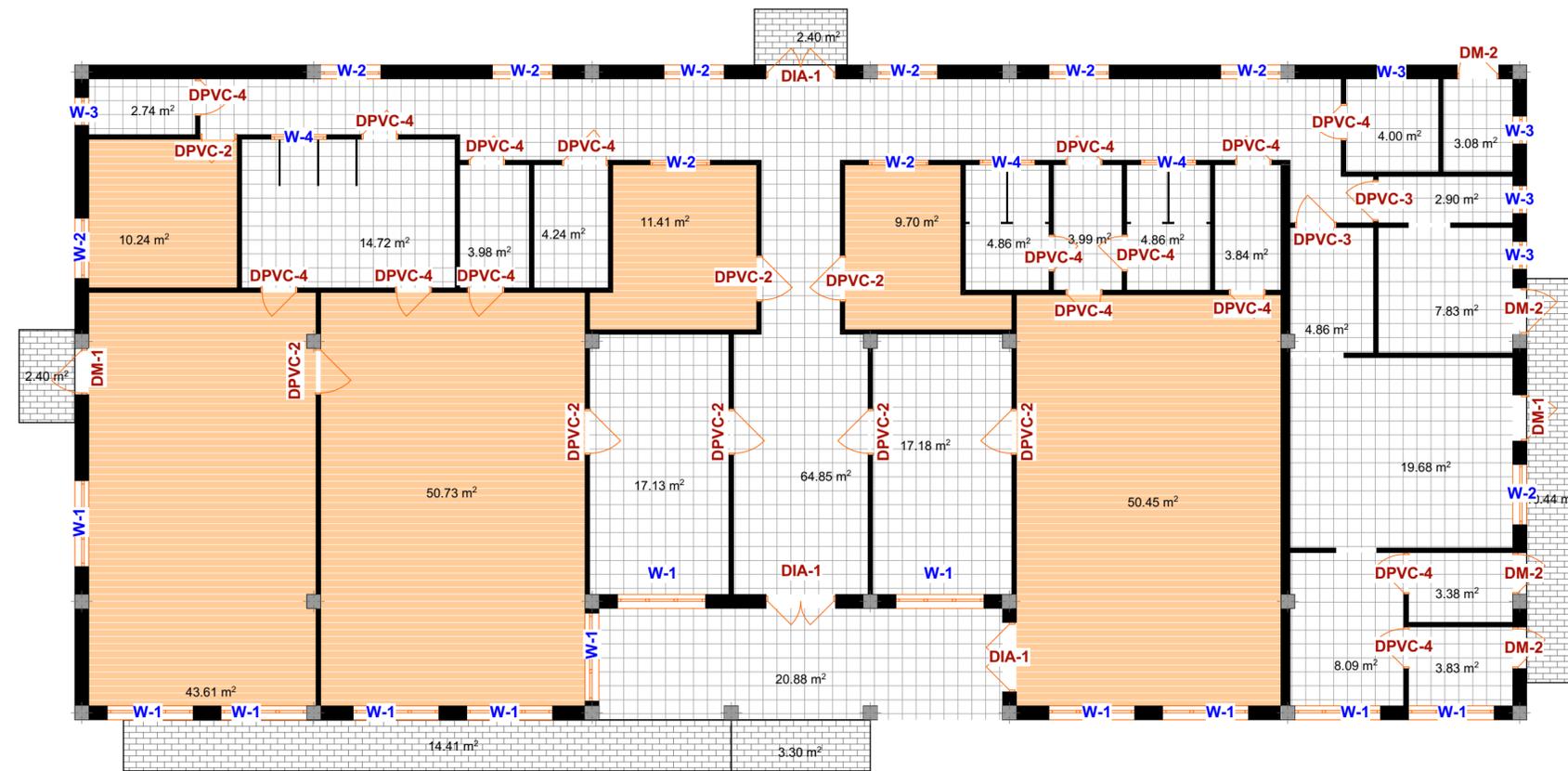
ა. გერგედავა
A. Gergedava

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Format A - 2

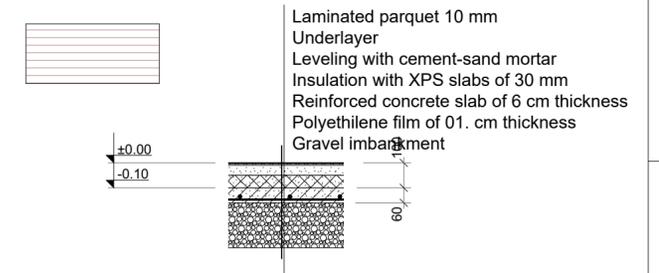
ფურცელი Page	ფურცლები Pages
20	28



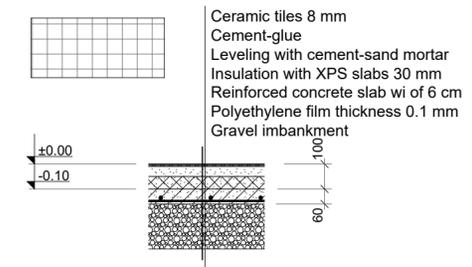
Types of floors and doors and windows on the plan



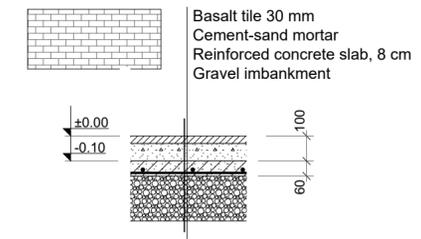
Laminated parquet floor



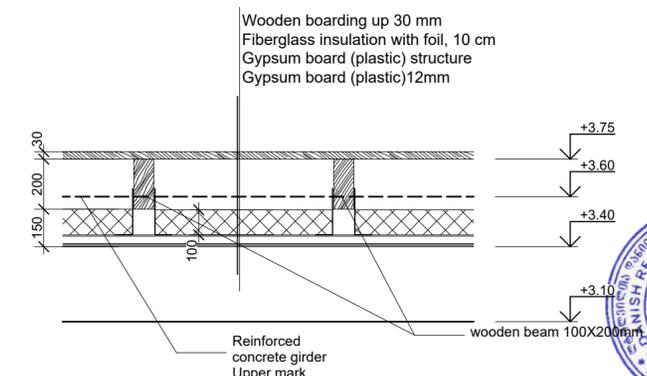
Ceramic (tiled) floor



Basalt floor



Ceiling Structure



Typical Kindergarten #5, Akhlagzrdoba street, Kareli

Project address:
Georgia,
Kareli

Stage:
Architectural project

Types of floors,
windos and
doors

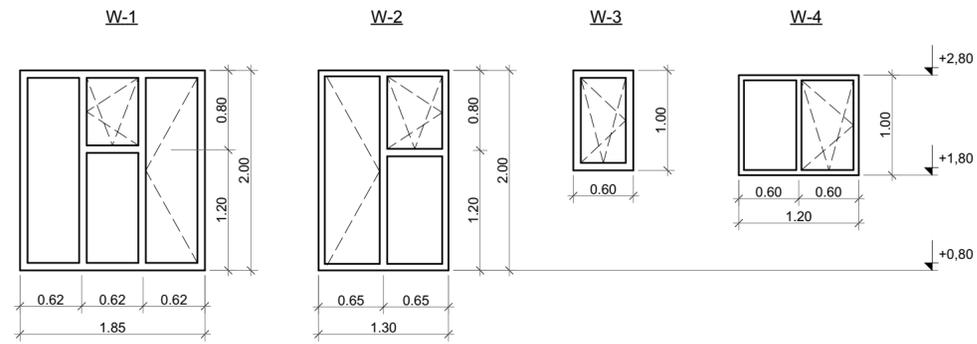
ბ. ჯანთარია
B. Qantaria

ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2

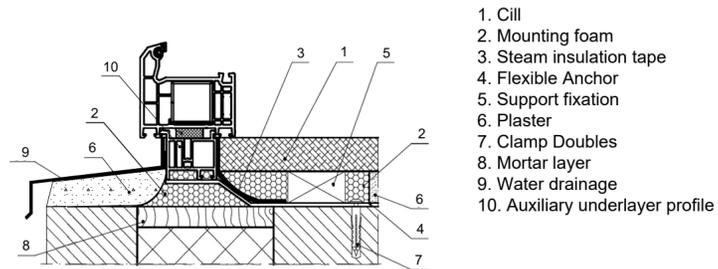
PVC Windows

Specification



მარკა Mark	რაოდენობა Quantity	სიგანე mm	სიმაღლე mm	m2	Σ m2
DIA-1	3	1500	2800	4.2	12.6
DM-1	2	1000	2800	2.8	5.6
DM-2	4	900	2800	2.52	10.08
DPVC-2	8	1000	2800	2.8	22.4
DPVC-3	2	900	2800	2.52	5.04
DPVC-4	16	800	2800	2.24	35.84
W-1	12	1850	2000	3.7	44.4
W-2	10	1300	2000	2.6	26
W-3	5	600	1000	0.6	3
W-4	3	1200	1000	1.2	3.6

Window Unit

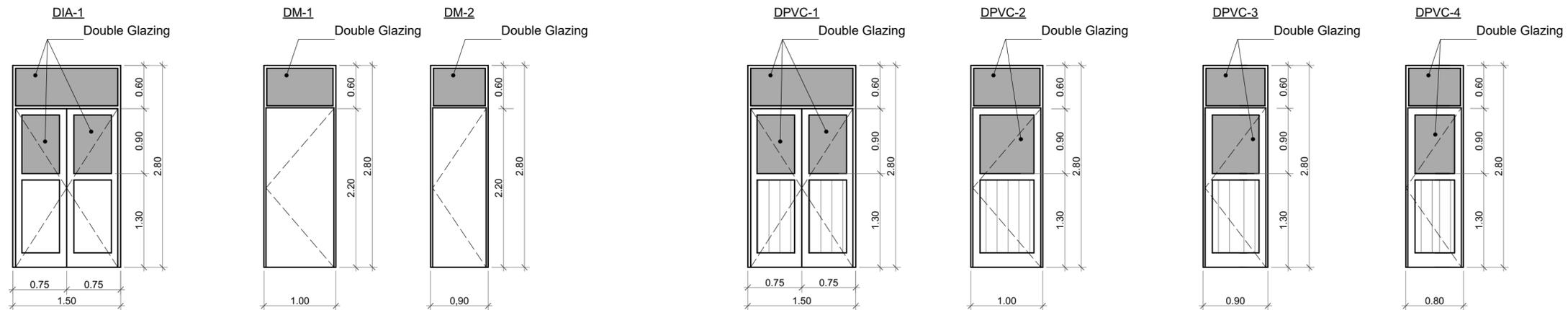


1. Cill
2. Mounting foam
3. Steam insulation tape
4. Flexible Anchor
5. Support fixation
6. Plaster
7. Clamp Doubles
8. Mortar layer
9. Water drainage
10. Auxiliary underlayer profile

PVC Internal Doors

Iso-aluminum Door

Steel Door with Double Coating and Insulation



Note: Door glazing should be darkened for administrative rooms and bathrooms for adults.

Typical Kindergarten #5, Akhlagzrdoba street, Kareli

Project address: Georgia, Kareli

Stage: Architectural project

Windows and Doors

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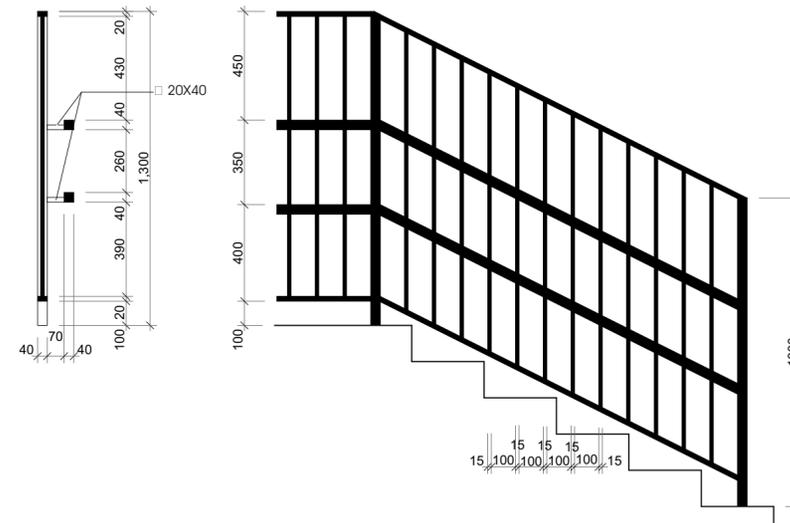
ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2

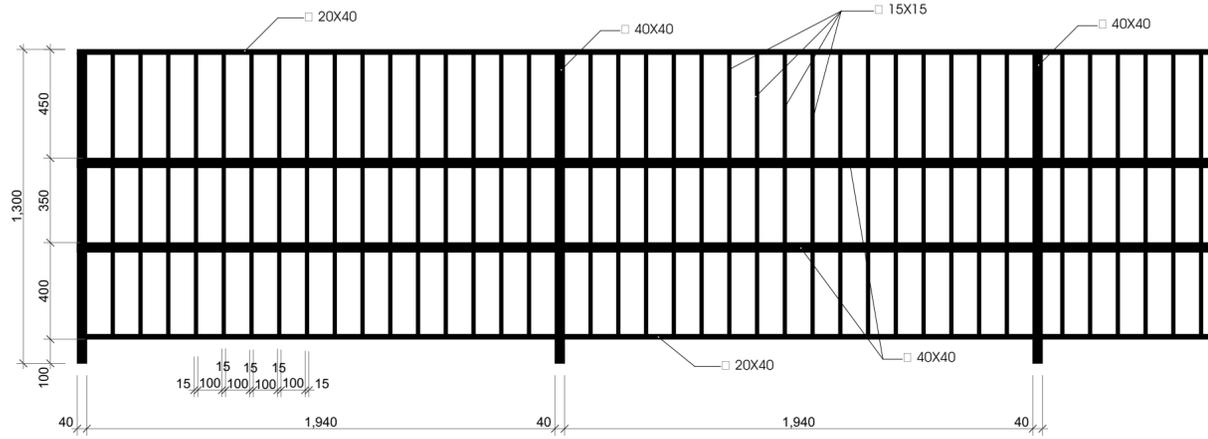




Steel Rails at the Staircase

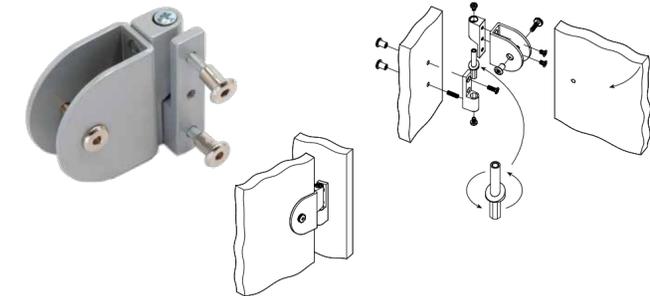


Steel Rails

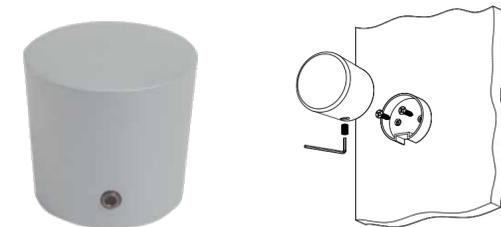


Toilets for Boys and Girls of Senior Group (Rooms 9; 10,15,16)
Employees' changing-room (room 27) partitions

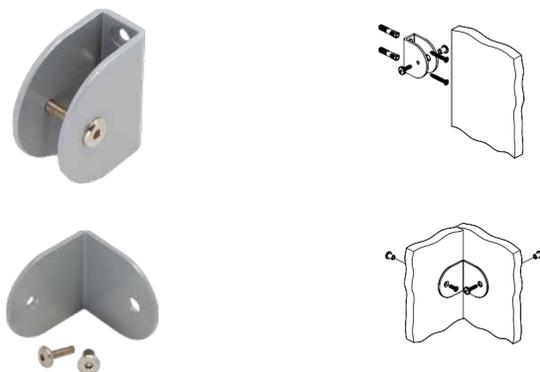
Stainless Metal Hinges



Stainless Metal Handles



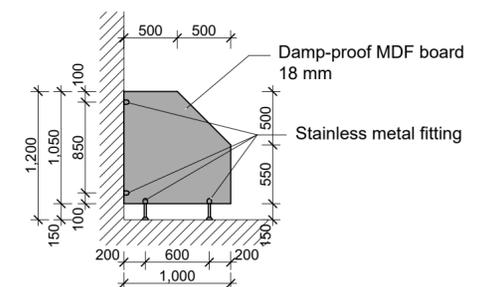
Stainless metal fixations



Stainless metal support



Folding screen between the toilet bowls
in the WC of the younger group



Technological Plan of the Rooms

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli



Project address:
Georgia,
Kareli

Stage:
Architectural project

Technological
Plan of the
Rooms

ბ. ჯანთარია
B. Qantaria

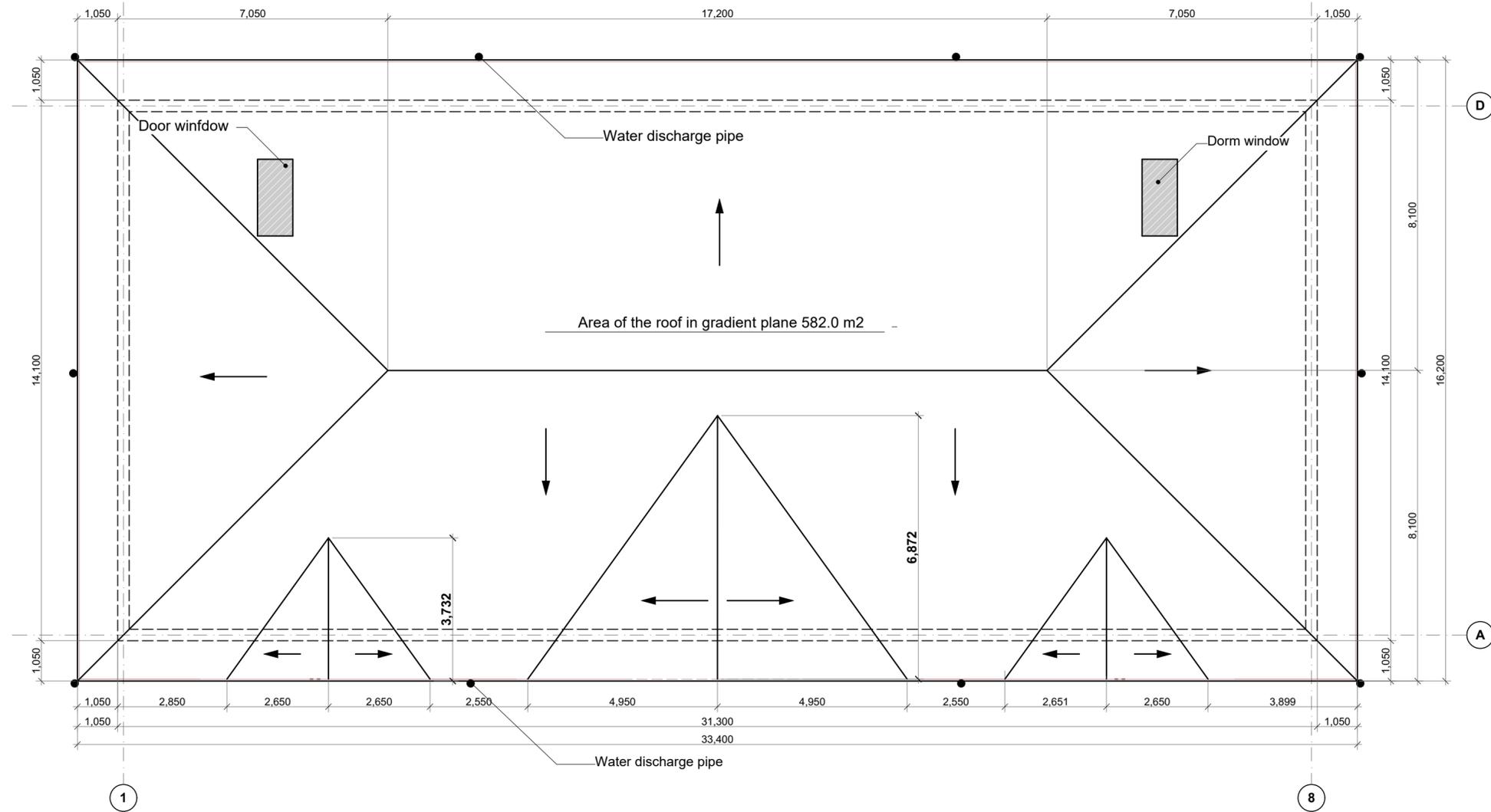
ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2

ფურცელი Page	ფურცლები Pages
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Plan of the Roof



Constrution Organizing Project

The construction organization project has been developed in accordance with the Resolution of the Government of Georgia "On the Rules and Permit Conditions for Issuing a Construction Permit" and considering the construction norms and rules 3.01.01.-85 'Organizing the construction'. The development of the Project of organizing the Construction was based on the draft construction documents. Object and surrounding area data.

The start of construction is allowed after the issuance of a construction permit by the City Hall. Construction should be carried out in accordance with the technological plan and schedule in accordance with the technological cycles. It is not allowed to deviate from the decisions of the approved project documentation, all changes in the project must be agreed upon with the authors of the project.

Arrangement of all temporary electrical installations and networks on the construction shall be carried out in compliance with the applicable electrical rules and regulations, as well as safety equipment rules.

Construction Conditions and Description of the Site

From the engineering and geological point of view, the area allocated for construction is in satisfactory condition, no physical-geological events (landslides, collapses, etc.) are observed. Due to the location of the whole territory of Georgia in the seismically active zone, construction norms and rules - "Seismic Construction" (01.01.09) apply to the design of new buildings, as well as reconstruction, reinforcement and restoration of residential, public and industrial buildings. Construction norms and rules should be applied in conjunction with other normative documents in the construction industry.

During the construction, the construction norms and requirements of the rules in force in Georgia approved by the order of the Minister of Economic Development of Georgia must be observed.

The construction site is a rectangular plot of land bordered by both public areas (on the street side) and adjacent plots.

The project envisages the placement of a kindergarten building on the land plot with the main façade towards the public zone (street), the main entrance will be arranged on this side. Yard landscaping and fencing are also provided.

The planning solution of the building envisages placement of three groups of kindergarten in it, one of them will have a bedroom block, and two, designed for preschoolers, will not have such a block, in this group the toilets for girls and boys are separate.

The building presented in the project is a one-storey stone building, the floor level of which is raised by an average of 1.0 meters from the ground (including the walkway).

The height of the floor of the building from floor to ceiling is 3.4 meters.

The filling of the outer walls is done with a reinforced pile of small wall pumice blocks 30 cm thick.

The bearing structure of the building is a complex reinforced concrete frame, reinforced concrete columns, monolithic reinforced concrete slabs, and reinforced concrete foundations, reinforced concrete columns on the exterior walls can be concreted in parallel with the construction of the walls.

The partitions are made of reinforced small wall pumice block with a thickness of 10 cm. The floors in the bathrooms are tiled, and the rooms are made of wooden planks (deck). Floor warming is completed with XPS tiles, while ceiling warming is done with glass wool. The suspended ceilings of the toilets and the kitchen are made of plastic, while in the rooms they are made of gypsum board. The bearing structure of the roof is made of wood, while the roof is made of painted metal tile. The windows are made of PVC with double glazing. Entrance doors are made of steel and iso-aluminum, metal in the sanitary units, and wood in the rooms (so-called MDF).

External stairs and platforms are paved with basalt tiles.

A concrete walkway is arranged around the building.

The building is provided with electricity, sewerage and water supply, as well as internal heating networks, which will be connected to external main district networks.

Technical specifications of the building:

Number of floors in the building - 1 floor

The volume of the building - 5013.0 m3

Among them:

Surface - 4058.0 m3

Underground - 1055.0 m3

Total area -627.84 m2

Prior to construction, the construction site should be fenced by a temporary fence within the cadastral boundary. The project of vertical planning of the area for the transfer of surface water to the street envisages the arrangement of bulk in the part of the yard with a ballast, for which a concrete wall is provided, on which a metal panel fence will be arranged.

Finished concrete should be delivered by a concrete pump, which can be installed in the inner space of the yard in the northern as well as in the southern part of the area.

According to the decree of the Government of Georgia, taking into account the characteristics of the building grades, the building belongs to the 3rd grade.

Construction Terms and Stages

The duration of construction is determined according to the purpose of the building, the number of floors, and the materials used. Considering 1.04.03-85. In 8-9 magnitude seismic areas for civilian buildings, the seismicity coefficient is taken as K = 1.15. Construction terms were determined taking into account the real logistical conditions and capabilities.

The duration of construction was set at 12 months, including 1 month for preparatory work. Preparatory work consists of two stages:

1. Preparatory works, which envisage removal of garbage and construction solid waste in the area, arrangement of ballast dump in the area, its compaction and then fencing of the construction site.

2. Tracing the building and marking the main axes.

Preparatory work includes organizational activities as well as external and internal works of the construction site.

Sequence of construction works:

1. Land and building foundation arrangement works.

2. Arrangement of the foundation and the main construction system of the building at the zero mark.

3. Installation of main bearing and non-bearing structures on the story of the building.

4. Installation of the roof of the building.

5. Installation of doors and windows.

6. Exterior finishing works of the building.

7. Interior finishing works of the building (in parallel, installation of electrical and other engineering networks, in particular, instaation of water supply, sewerage and heating system).

8. Landscaping works.

Organizing Construction Site and Construction Safety Rules

Prior to the commencement of major construction works, the construction site and its surrounding area shall be arranged. The boundaries of the construction site should usually be within the cadastral boundaries of the land.

After arranging the ballast bulk, the construction site is fenced and temporary buildings are laid out. Before the earthworks are started, the building axes are marked and removed from the perimeter of the building.

An information banner visible from public spaces should be placed on the construction site. The works on the construction site should be organized in such a way as to ensure construction safety in accordance with Resolution # 6228.03.07 of the Government of Georgia, as well as the 'Construction Safety Rules' and Construction Norms and Rules III-4-80.

The construction safety rules apply to the works to be performed on the site envisaged by the construction permit and define the safety requirements on the construction site: during organization, construction machinery, technical equipment, and tools operation, electrical and gas welding, loading-unloading, insulation, earthworks, the foundation works, concrete and reinforced concrete works, installation, dismantling and other construction works. It is necessary to observe all fire-fighting measures in accordance with the fire-fighting norms during construction-installation works in accordance with the construction norms and rules 2.01.02-91.

Access to the construction site should be controlled and the possibility of unintentional entry by strangers should be avoided. The fence in the traffic area should be covered with a protective cover to ensure the safety of pedestrians. In the dark, fencing should be equipped with signal lamps or there should be used material or color that is visible in the dark. The area of the dismantled building (in case of fixation) should be fenced in the same way.

There should be a responsible person on the construction site who will be responsible for implementing safety rules. Workers and engineering staff must wear helmets, and special work must be performed using appropriate equipment.

There should be first aid kits on the construction site.

Storage and placement of materials, structures, and other equipment should be in accordance with the rules to exclude the possibility of their slipping, slipping, falling, and unfolding.

Dusty materials should be stored in warehouses. During loading and unloading works, measures must be taken to prevent their scattering and unloading. Harmful or explosive solvents must be stored in a hermetically sealed container.

In order to keep the working-hygienic conditions of the construction workers and to organize the labor properly, on the construction site temporary buildings are provided to the south of the building, which must be dismantled as soon as the construction works are completed before the landscaping works begin.

List of acts of concealed works

Upon completion of the major construction work, a concealed work report must be drawn up by the construction manufacturer prior to the on-site inspection prior to the commencement of the next work that will result in its concealing. List of major construction and installation works, after which the report of concealed works should be drawn up:

- Marking of building axes.
- Accepting a trench arranged for the foundation.
- Arrangement of reinforced concrete foundation.
- Arrangement of reinforced concrete tabs and walls.
- Inspection of the waterproofing of the foundation, basement walls, and roof.
- Connection of the columns to the walls.
- Accepting landscaping works in the area.

Environment protection and ecology

In the process of implementation of works on the construction site, it is necessary to take measures to protect nature and air pollution in accordance with applicable legislation and regulations.

It is forbidden to cut perennial trees and plants in the construction zone without the permission of the Environmental Protection Service.

It is not allowed to wash concrete and cement mortar pipes in the existing sewage well or to contaminate them with construction waste.

It is forbidden to dump waste and construction waste without closed gutters and hoppers. If dust is expected during the construction-reconstruction process, the building should be covered with a curtain or work should be carried out indoors.

When transporting loose construction debris, the surface must be covered or covered with a protective coating after being loaded into the vehicle body. Before leaving the construction site, vehicles need to have their tires cleaned to prevent contamination of town streets.

Recommended construction machinery; Vehicles; Tools

List of Machinery	List of Works
Excavator, with capacity of 0.2 m3	Land works
Road rammer	Yard development
Lift crane	Various works
Auto-damper	Ground removal, delivery of inert materials
Vehicle with body	Transportation of materials
Special motor vehicle with trailer	Transportation of reinforced concrete and other large materials
Portable compressor	Air supply
An in-depth vibrator	Concrete works
Surface vibrator	Concrete mortars
Welding plant	Welding Works
Concrete mixer	Mortar preparation
Concrete pump with conveyor	Concrete works
Multipurpose electro-pneumatic unit	Construction and Special Works

Note: It is possible to use modern equipment of the same parameters taking into account the existing technical data

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli

Project address:

Georgia,
Kareli

Stage:
Architectural project

Construction
Organizifg
Project

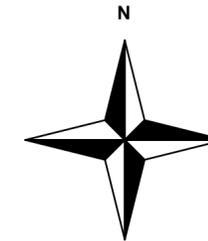
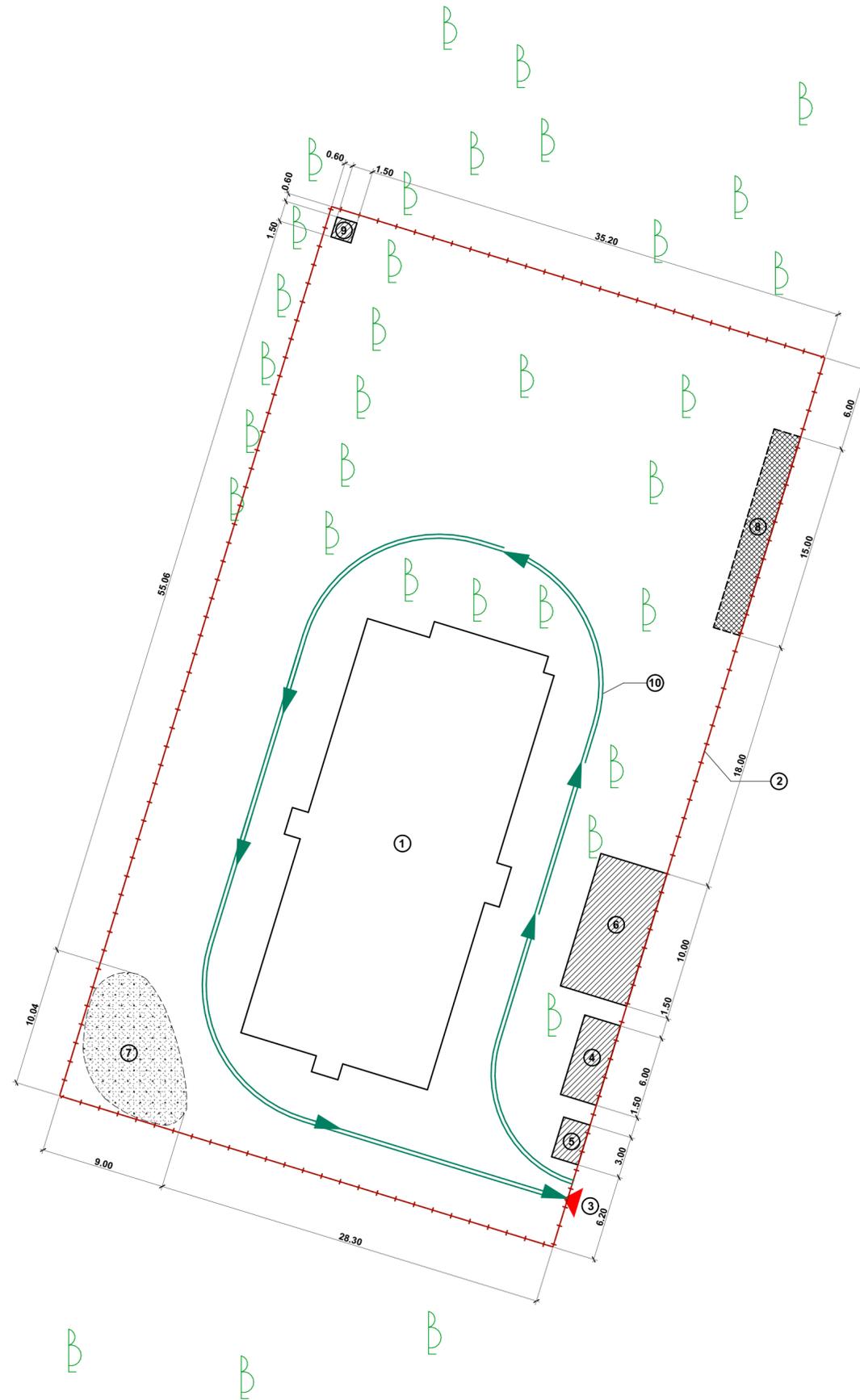
B. Qantaria

A. Gergedava



Format A - 2

Consrtruction General Plan



Legend:

- 1. Project Building
- 2. Temporary fence
- 3. Entrance
- 4. Staff room
- 5. Security room
- 6. Closed Warehouse
- 7. Open warehouse for inert materials
- 8. Warehouse for reinforcement
- 9. Temporary bio-toilet
- 10. Vehicle path

Typical
Kindergarten
#5, Akhlagzrdoba
street, Kareli

Project address:
Georgia,
Kareli

Stage:
Architectural project

Construction
General plan

ბ. ჯანთარია
B. Qantaria

ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2

ფურცელი Page	ფურცლები Pages
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Time Schedule of the Construction

Typical
Kindergarten
#5, Akhlagzardoba
street, Kareli

		18 months																	
		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII
1	Preparatory work	█	█	█															
2	Arrangement of imbankement on the territory		█	█	█	█													
3	Foundation works			█	█	█	█	█											
4	Basement works				█	█	█	█	█										
5	Floor concreting					█	█	█	█										
6	Construction of wall column					█	█	█	█	█									
7	Concreting of reinforced concrete slabs						█	█	█	█	█								
8	Roofing of the building							█	█	█	█								
9	Installation of windows and doors								█	█	█	█							
10	Wall plastering									█	█	█	█						
11	Finishing works										█	█	█	█	█	█	█	█	█
12	Electric installation works		█	█					█	█				█	█	█			█
13	Sanitary-engineering works		█	█						█	█			█	█	█			█
14	Yard development works						█	█					█	█	█			█	█
15	Cleaning of the territory														█	█			█

Project address:
Georgia,
Kareli

Stage:
Architectural project

Time Schedule
of the
Construction

ბ. ჯანთარია
B. Qantaria

ა. გერგედავა
A. Gergedava

ფორმატი
Format A - 2

ფურცელი
Page 28

ფურცლები
Pages 28

