

Project 2SOFT/1.2/52 (2020), Cross-Border Cooperation Smart Energy (CBCSmartEnergy),
Grant contract Joint Operational Programme Romania – Ukraine 2014-2020

Requests for additional data for buildings in Ukraine for which energy audits of the building are to be carried out

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1. Rativtsi children educational centre, Rativtsi, Kossuth Lajos street, №1



Missing data (additional information required for energy audit):

- ❑ Photos (on all sides of the building); many pictures to see details;
- ❑ Heating boiler data (energy source in the building):
 - power (kW);
 - fuel;
 - manufacturing year;
 - efficiency;
 - photo.
- ❑ Is there hot water for consumption? How many consumption points are there (sinks / washbasins)? Photos?

☐ Heating radiators:

- number (pieces);
- dimensions (height x width);
- photos.



☐ Lighting type (photos):

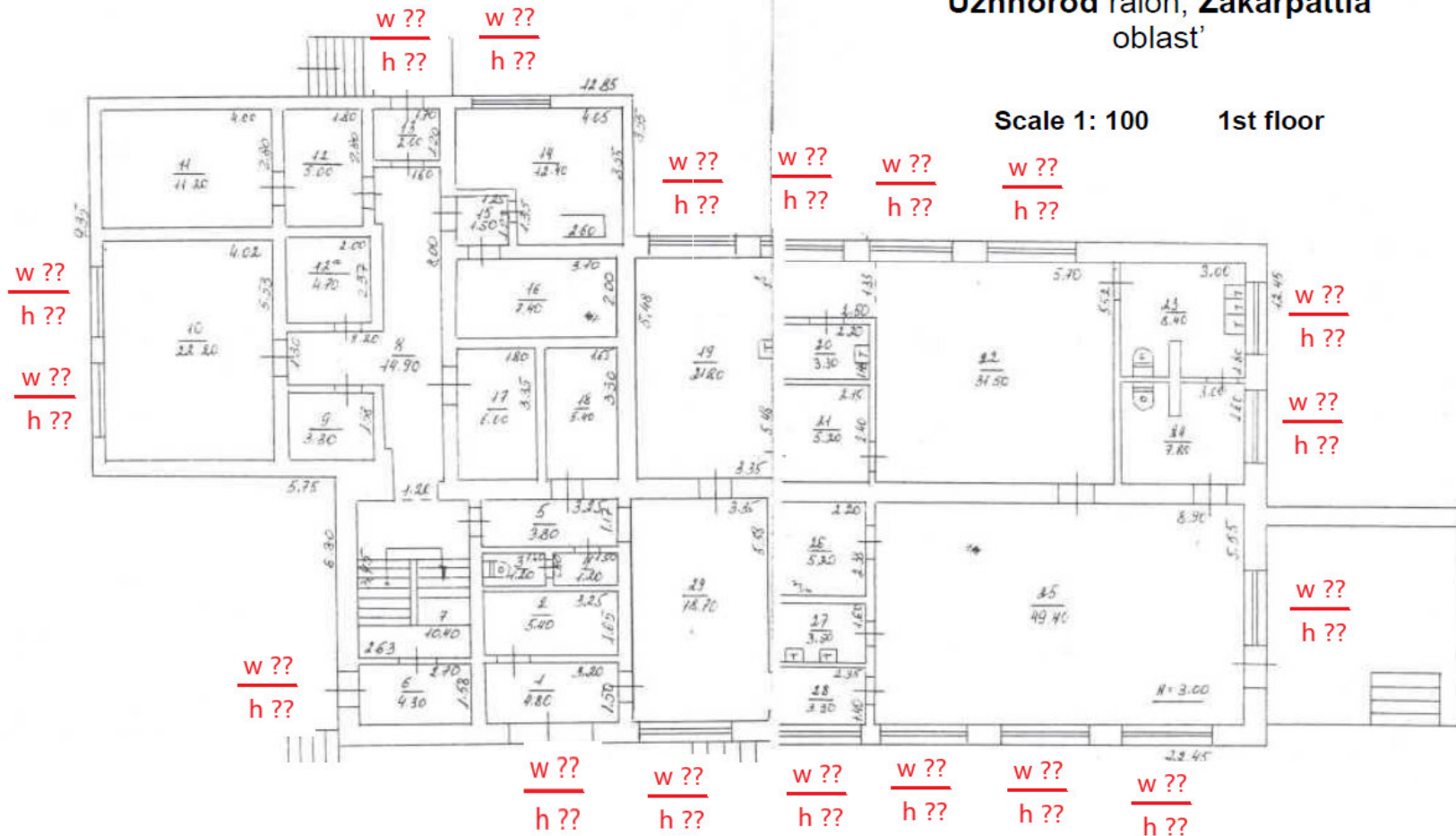
- incandescent;
- fluorescent;
- LED (light-emitting diode).

□ Dimensions of exterior windows / doors (width x height)?

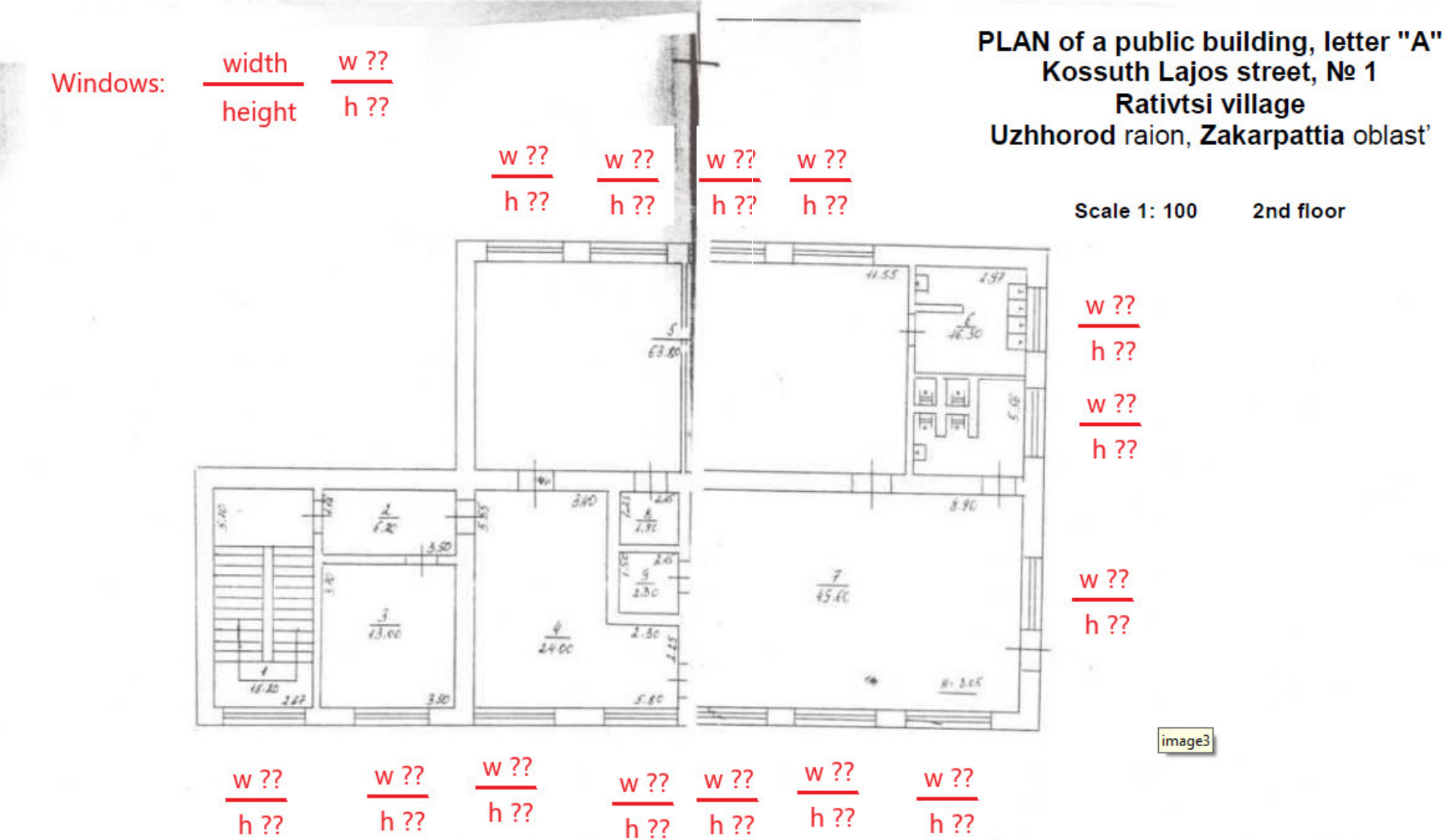
Windows: $\frac{\text{width}}{\text{height}}$ $\frac{w ??}{h ??}$

PLAN of a public building,
letter "A"
Kossuth Lajos street, № 1
Rativtsi village
Uzhhorod raion, Zakarpattia
oblast'

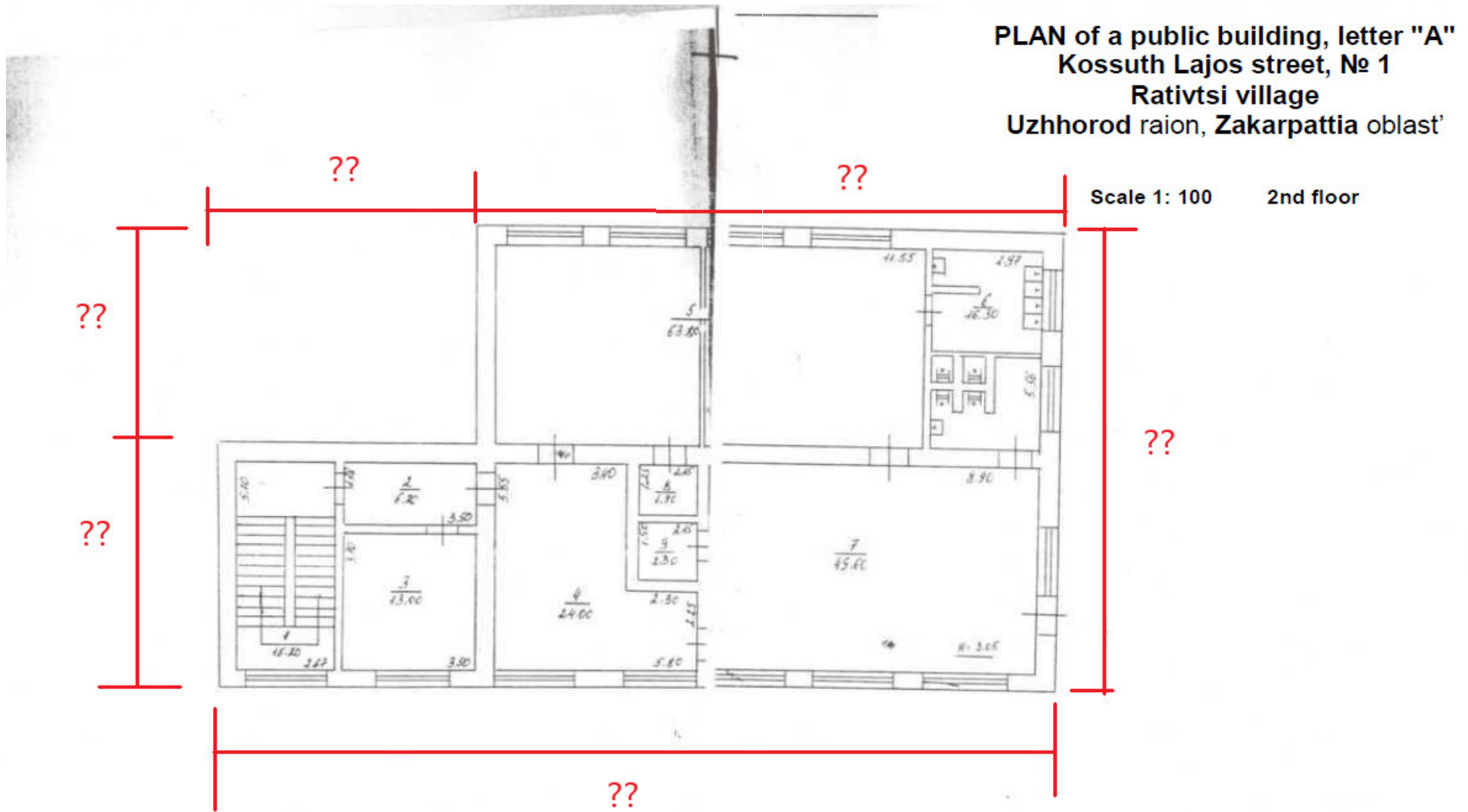
Scale 1: 100 1st floor



□ Dimensions of exterior windows / doors (width x height)?



❑ Dimensions of architectural plans?



❑ Upper floor structure (towards the attic)? Photos?

- concrete upper floor;



- wooden upper floor.



2. Shishlovtsy preschool educational centre, Shishlovtsy, Dobó István street, №4



Missing data (additional information required for energy audit):

- ❑ Photos (on all sides of the building); many pictures to see details;
- ❑ Heating boiler data (energy source in the building):
 - power (kW);
 - fuel;
 - manufacturing year;
 - efficiency;
 - photo.
- ❑ Is there hot water for consumption? How many consumption points are there (sinks / washbasins)? Photos?

❑ Heating radiators:

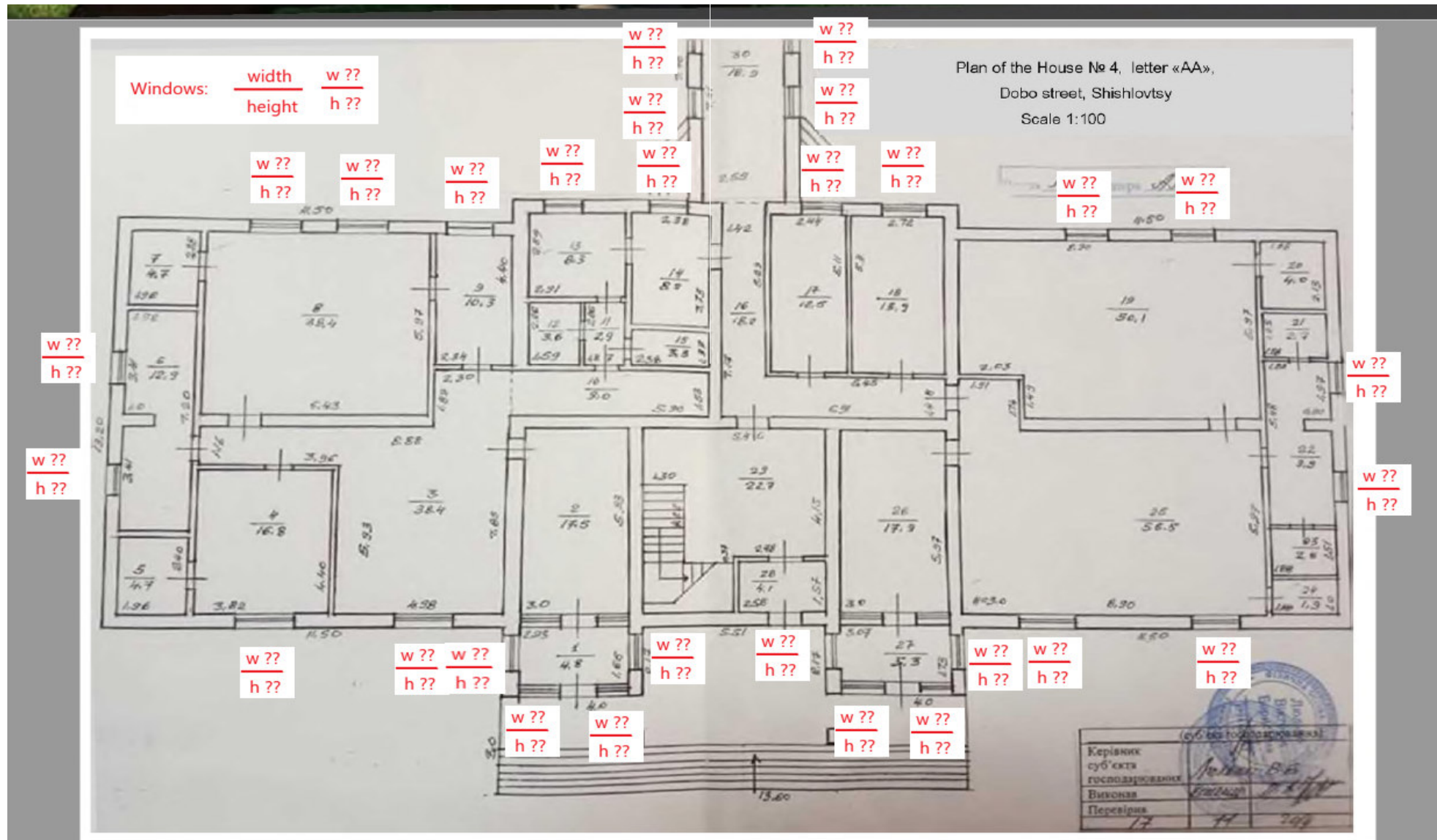
- number (pieces);
- dimensions (height x width);
- photos.

❑ Lighting type (photos):

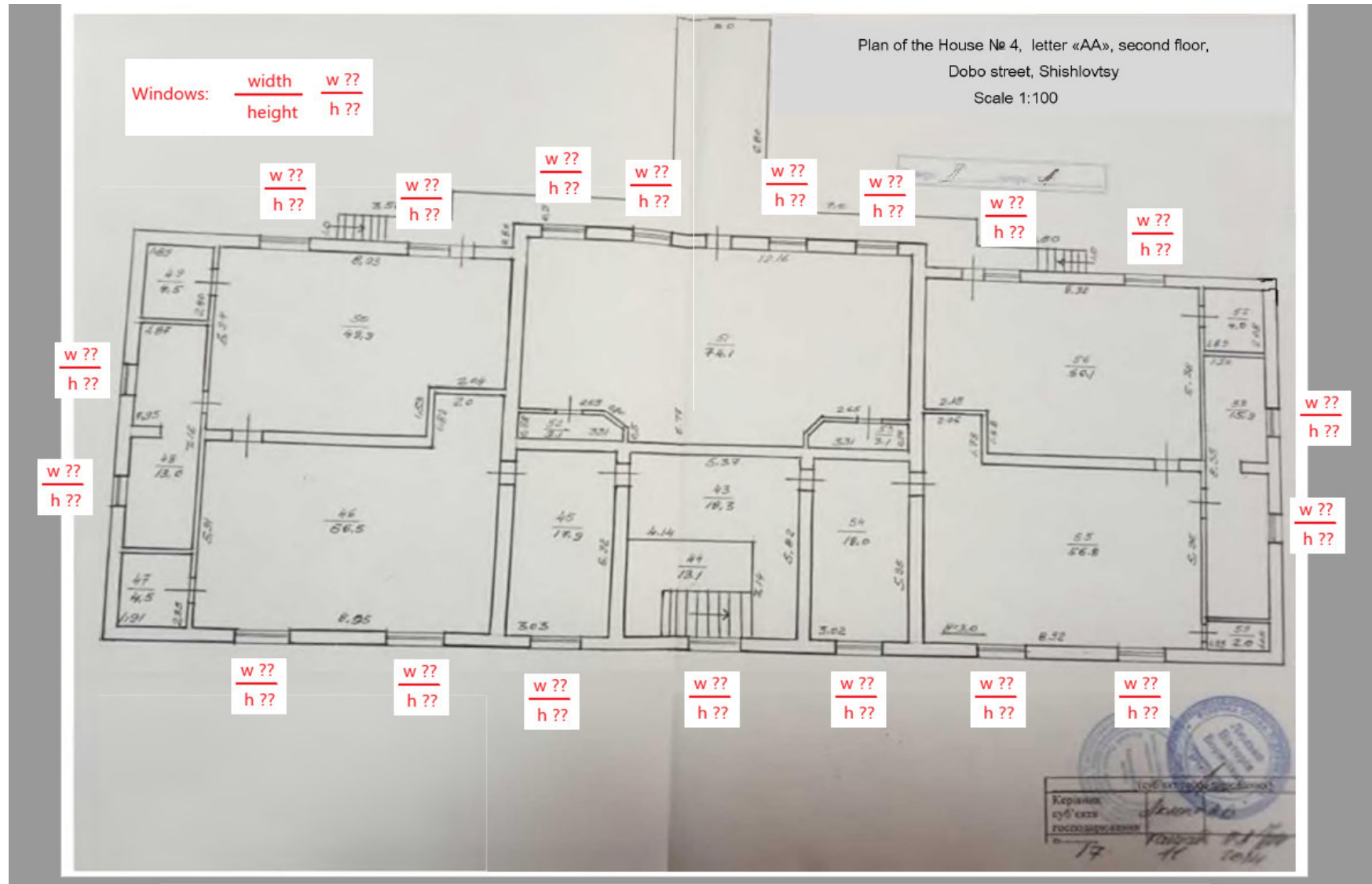
- incandescent;
- fluorescent;
- LED (light-emitting diode).

❑ Upper floor structure (towards the attic)? Photos?

□ Dimensions of exterior windows / doors (**width x height**)?



□ Dimensions of exterior windows / doors (**width x height**)?

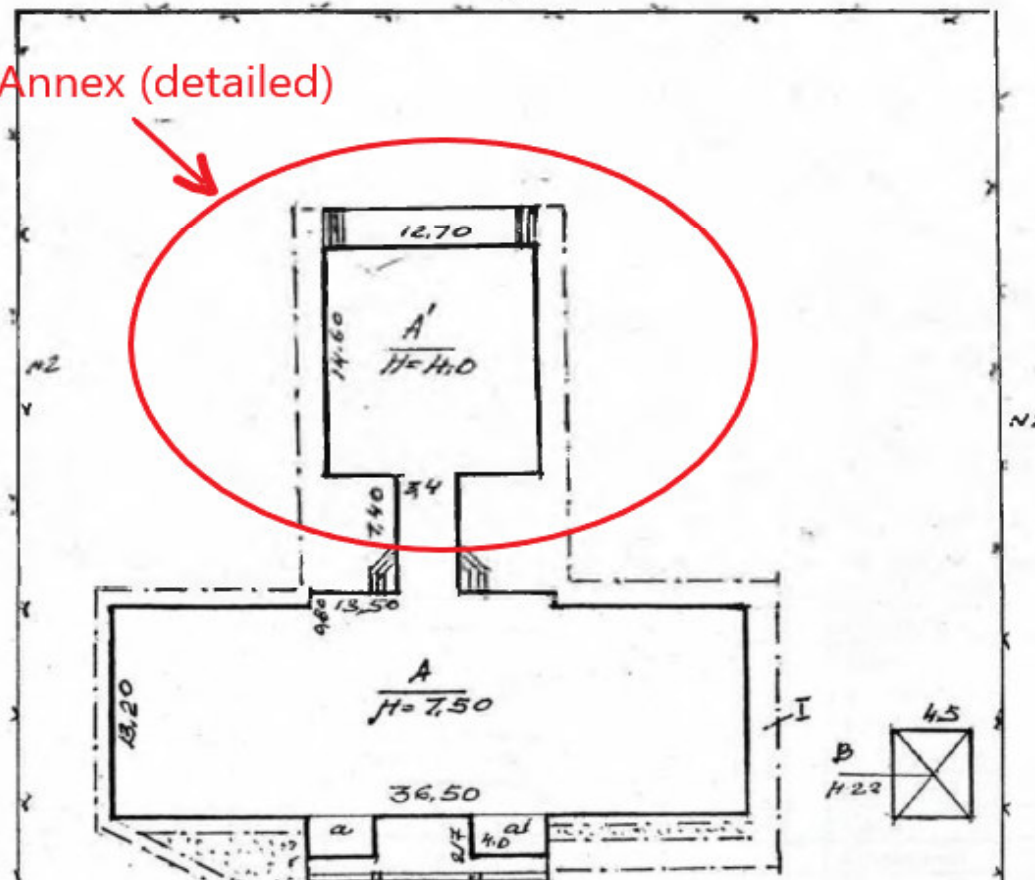


□ Plan of the Annex (detailed)

Schematic plan of the land plot of house № 4, Dobo street, Shishlovtsy

Scale 1:500

Plan of the Annex (detailed)



3. Tyachiv youth tourism centre, Tyachiv, Neresenska (Zhovtneva) street, №50



❑ What is the current state of the building?



❑ Which is the structure of the building envelope?

❑ Information about the building's facilities is missing (heating, hot water, lighting etc.);

❑ Photos (on all sides of the building); many pictures to see details.

Climate data, Uzhhorod-Ukraine ???

Uzhhorod-Ukraine	The intensity of solar radiation [W/m ²]								Average outdoor temperature [°C]
	I _T South	I _T North	I _T Est	I _T West	I _T SE	I _T NW	I _T NE	I _T SW	
January	69,06	11,56	27,36	28,83	53,2	12,8	12,8	53,2	-2,8
February	90,91	18,16	46,13	46,13	74,3	24,3	24,3	74,3	-1,1
March	99,6	28,13	63,03	63,03	87,9	36,8	36,8	87,9	2,4
April	91,56	38,26	73,46	73,46	88,5	51	51	88,5	8,7
May	89,16	64,46	73,06	73,86	83,8	68,8	68,8	83,8	14,6
June	91,43	73,63	77,86	76,03	87,9	74,9	74,9	87,9	17,9
July	105,36	75,33	77,9	77,9	99,4	76,6	76,6	99,4	19,7
August	118,06	65,93	69,43	69,43	106,5	67,7	67,7	106,5	18,7
September	117,04	46,26	74,03	74,03	102,6	53,6	53,6	102,6	13,5
October	111,9	22,9	59,1	59,1	92,8	32,8	32,8	92,8	8,6
November	62,06	13,03	28,06	28,06	48,6	14,1	14,1	48,6	2,8
December	58,06	9,73	22,9	22,9	44,6	10,1	10,1	44,6	-2,1