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1.- FAÇADES

1.1.- Brick wall 13 (449.95 m²)

Base element	
Product	COGETHERM Pumise stone blocks 200 mm in thickness with 15 mm cement mortar on one side
Class	Masonry in Hollow concrete block
Origin	COGEBLOC
Mass	215 kg/m ²
Thickness	0.22 m

Internal cover	
Product	Interior cladding ISOCOMBO 140; dRw,heavy =14dB
Class	Wall lining with cellular foam
Origin	UNILIN-BVBA
Mass	14 kg/m ²
Thickness	0.17 m

1.2.- Brick wall 17 (159.12 m²)

Base element	
Product	Concrete 17 cm
Class	Solid concrete
Origin	Traditional products
Mass	400 kg/m ²
Thickness	0.17 m

1.3.- Defence (29.44 m²)

Base element	
Product	Concrete 20 cm
Class	Solid concrete
Origin	Traditional products
Mass	470 kg/m ²
Thickness	0.2 m

2.- PARTITIONS

2.1.- Isolated partition (121.22 m²)

Base element	
Product	Partition wall 120/70 with FERMACELL boards thickness 12.5 mm filled with ROCKCALM 60 mm
Class	Single frame dry partition wall
Origin	ROCKWOOL
Mass	62 kg/m ²
Thickness	0.12 m



2.2.- Simple partition (284.06 m²)

Base element	
Product	Partition wall 160/90 with FERMACELL boards thickness 12.5 mm filled with ROCKCALM 40 mm
Class	Single frame dry partition wall
Origin	FERMACELL
Mass	86.4 kg/m ²
Thickness	0.16 m

Internal cover	
Product	Interior lining Polyplac Phonik 13 A 3.4 13 + 100
Class	Wall lining with cellular foam
Origin	KNAUF
Mass	18 kg/m ²
Thickness	0.12 m

External cover	
Product	Interior lining Polyplac Phonik 13 A 3.4 13 + 100
Class	Wall lining with cellular foam
Origin	KNAUF
Mass	18 kg/m ²
Thickness	0.12 m

3.- ROOFS

3.1.- Concrete roof 19 (136.4 m²)

Base element	
Product	Natural slate roofing $R_w + C_{tr} = 20$ dB and $L_i = 60$ dB(A)
Class	Slate roofing
Origin	Traditional products
Mass	47 kg/m ²
Thickness	0.09 m

4.- FLOOR SLABS

4.1.- External floor slab (6.55 m²)

Base element	
Product	EMS Leader KP1 floor with polypropylene infill blocks (thickness 12+5)
Class	Pre-fabricated floor slab
Origin	KP1
Mass	205 kg/m ²
Thickness	0.15 m

4.2.- Floor slab (316.89 m²)

Base element	
Product	SEAC EBS Floor
Class	Pre-fabricated floor slab
Origin	SEAC
Mass	210 kg/m ²
Thickness	0.19 m

Top cladding	
Product	Floating screed of 40 mm on in-floor heating COSYDALLE P50 (pre-grooved PSE layer with 24 mm base) (CSTBat certified slab with chairs / meeting the NF P 61-203 standard)
Class	Certified Floating floor
Origin	FINIMETAL
Mass	90 kg/m ²
Thickness	0.06 m

Bottom cladding	
Product	Interior lining fixed on frame system OPTIMA 2 15/45, mineral wool GR32 of 45 mm and 1 BA13 plaster board, dR _w heavy=14 dB
Class	Wall lining with mineral wool
Origin	ISOVER
Mass	10 kg/m ²
Thickness	0.06 m

4.3.- Screed (131.13 m²)

Base element	
Product	Concrete 23 cm
Class	Solid concrete
Origin	Traditional products
Mass	540 kg/m ²
Thickness	0.23 m

5.- DOORS

5.1.- Double door (5 units - 18.27 m²)

Data	
Product	Door and frame unit single-leaf PYROPLUS 60 without threshold, (R _w +C = 51 dB)
Class	Door
Origin	DOORTAL
Mass	50 kg/m ²
Thickness	0.08 m

5.2.- Internal door (15 units - 23.74 m²)

Data	
Product	Door and frame unit SPHERIS S His XP EN3 EN4 with thermal insulation (rock wool) and Jung seal on frame and door, (Rw+C = 41 dB)
Class	Door
Origin	ASSA-ABLOY
Mass	55 kg/m ²
Thickness	0.06 m

6.- WINDOWS

6.1.- External door (4 units - 13.44 m²)

Data	
Product	Ancient window 4/16/4 - 100mm spacing - Additionnal window 4/16/4 with AI
Class	Double window
Origin	Traditional products
Mass	35 kg/m ²
Thickness	0.15 m

6.2.- Internal window (3 units - 3.64 m²)

Data	
Product	Patio door OPTIMIL Glazing 64.2Silence(10)44.1Silence Rw+Ctr= 38 dB
Class	French window
Origin	MILLET
Mass	127 kg/m ²
Thickness	0.03 m

6.3.- Window 1 (7 units - 15.24 m²)

Data	
Product	Double casement window aluminum F07 with glazing 10(14)4, Rw+Ctr=31dB
Class	Window
Origin	BIGNON
Mass	75 kg/m ²
Thickness	0.07 m

6.4.- Window 2 (17 units - 52.37 m²)

Data	
Product	Unrestored ancient window 4mm - 100mm spacing - Additionnal window 4mm
Class	Double window
Origin	Traditional products
Mass	22 kg/m ²
Thickness	0.05 m



7.- FURNITURE

7.1.- Empty seats (50 units)

Data	
Product	Empty seats
Class	3D element
Origin	Traditional products