

VOLUME 4

FINANCIAL OFFER

VOLUME 4

4.1. INTRODUCTION

4.1.1. General

The Bill of Quantities (Volume 4.2.) is the document containing an itemised breakdown of the works to be carried out in a unit price contract, indicating a quantity for each item and the corresponding unit price. The quantities set out in the Bill of Quantities are estimated quantities.

The amounts due will be calculated by measuring the actual quantities of the works executed and by applying the unit rates to the quantities actually executed for each item.

4.1.2. Specific to Volume 4.2

The prices inserted in the Bill of Quantities and Price Schedule are to be the full inclusive values of the works described under the items, including all costs and expenses that may be required in and for the construction of the works described, together with any temporary works and installations which may be necessary and all general risks, liabilities and obligations specified or implied in the documents on which the tender is based. It will be assumed that establishment charges, profit and allowances for all obligations are spread evenly over all unit rates.

Save where the technical specifications or the Bill of Quantities specifically and expressly states otherwise, only permanent works are to be measured.

No allowance will be made for loss of materials or volume thereof during transport or compaction.

The prices do not include taxes and fiscal duties, as exoneration is explicitly given for the contract. Non-exonerated taxes and fiscal duties are covered in the prices of the Bill of Quantities, apart from those stated separately in the financial offer templates.

The units of measurement used in the annexed technical documentation are those of the International System of Units (SI). No other units may be used for measurements, pricing, detail drawings etc. (Any units not mentioned in the technical documentation must also be expressed in terms of the SI.) Abbreviations used in the bill of quantities are to be interpreted as follows:

mm	means	millimetre
m'	means	metre
mm ²	means	square millimetre
m ²	means	square metre
m ³	means	cubic metre
kg	means	kilogram
t	means	tonne (1000 kg)
pcs	means	pieces
h	means	hour
sec	means	second
LS	means	lump sum
km	means	kilometre
lit.	means	litre
Lx	means	Lux
%	means	per cent
m/m	means	man-month
m/d	means	man-day
m/s	means	meters/second
No.	means	number
RC	means	reinforced concrete
Ø	means	diameter

VOLUME 4

4.2. BILL OF QUANTITIES

Judicial Academy
Vol. 2 - The Contract
Vol. 3 - Section 1- General Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)

	Vol 2 Vol 3 - Sec 1	GENERAL ITEMS				
--	--------------------------------	----------------------	--	--	--	--

I	Volume 2 Section 2	LIABILITIES, INSURANCE AND SECURITY ARRANGEMENTS				
1	GC Article 15 GC Article 46	Bank guaranties (performance, pre-financing bank guaranties)	LS	1.00		0.00
2	GC Article 16.2. b (2)	Insurance of the Works	LS	1.00		0.00
3	GC Article 16.2. b (1)	Third party insurance	LS	1.00		0.00
		TOTAL - LIABILITIES, INSURANCE AND SECURITY ARRANGEMENTS				0.00

II	Volume 3 Section 1	GENERAL TECHNICAL SPECIFICATIONS				
	3.1.3	CONSTRUCTION SITE				
4	3.1.3.1	Fencing of the construction site, as specified in Technical Specifications	LS	1.00		0.00
5	3.1.3.2	Visibility requirements, as specified in Technical Specifications	LS	1.00		0.00
6	3.1.3.3	Temporary site facilities, as specified in Technical Specifications	LS	1.00		0.00
	3.1.3.4	Facilities and equipment for the Contractor and the Supervisor				
7	3.1.3.4.1	Offices for the Supervisor, as specified in Technical Specifications	LS	1.00		0.00
8	3.1.3.4.2	Protective equipment for the Supervisor, as specified in Technical Specifications	LS	1.00		0.00
9	3.1.3.4.3	Facilities for the Contractor, as specified in Technical Specifications	LS	1.00		0.00
10	3.1.3.5	Site cleaning, as specified in Technical Specifications	LS	1.00		0.00
11	3.1.3.6	Storage of equipment and materials in public space, as specified in Technical Specifications	LS	1.00		0.00
12	3.1.3.7	Traffic arrangements, as specified in Technical Specifications	LS	1.00		0.00
	3.1.4	CONTRACTOR'S GENERAL RESPONSIBILITIES				
13	3.1.4.3	Quality Assurance Plan	pcs	1.00		0.00
14	3.1.4.6	Progress photographs	LS	1.00		0.00
15	3.1.4.7	Contractor's design documentation (Design for execution, Works documentation, As-built design, Operation and maintenance manuals and any other documentation according to RS regulations and TS, if not specified elsewhere in the BoQ)	LS	1.00		0.00
	3.1.5	HEALTH & SAFETY AND ENVIRONMENT PROTECTION				
	3.1.5.1	Health & Safety				
16	3.1.5.1.1	Preparation of Health & Safety Plan, as specified in Technical Specifications	pcs	1.00		0.00
	3.1.5.2	Environmental Protection				
17	3.1.5.2.1	Preparation of Environmental Management Plan, as specified in Technical Specifications	pcs	1.00		0.00

Judicial Academy Vol. 2 - The Contract Vol. 3 - Section 1- General Technical Specifications						
No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
	3.1.7	TECHNICAL REQUIREMENTS FOR EXECUTION OF WORKS				
	3.1.7.12	Mobile fire extinguishing equipment				
18	3.1.7.12.1	Hand-held portable apparatus type CO2	pcs	6.00		0.00
19	3.1.7.12.2	Hand-held portable apparatus type S-9A	pcs	28.00		0.00
TOTAL - GENERAL TECHNICAL SPECIFICATIONS						0.00

I	LIABILITIES, INSURANCE AND SECURITY ARRANGEMENTS	0.00
II	GENERAL TECHNICAL SPECIFICATIONS	0.00
TOTAL GENERAL ITEMS		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.2.1	PRELIMINARY WORKS				
1	3.2.1.1	Supply and installation of tubular scaffolding	m²	1,826.00		0.00
2	3.2.1.2	Taking samples from facade surfaces	LS	1.00		0.00
3	3.2.1.3	Fabrication and installation of notice boards (EU visibility and RS legislation)	pcs	3.00		0.00
4	3.2.1.4	Procurement, transport and installation of jute fabric	m²	1,970.00		0.00
5	3.2.1.5	Technical inspection of the building's facade	LS	1.00		0.00
6	3.2.1.6	Restoration of ironwork ornamental decorations	pcs	30.00		0.00
7	3.2.1.7	Fabrication of moulds for ornamental plastering	pcs	85.00		0.00
8	3.2.1.8	Retouching of gypsum squeeze	m'	30.00		0.00
9	3.2.1.9	Mounting of platform lift Q-600kg	LS	1.00		0.00
10	3.2.1.10	Fabrication of the model and retouching of ornamental arch strip	m'	35.00		0.00
		TOTAL PRELIMINARY WORKS				0.00
II	3.2.2	DISMANTLING, DEMOLITION AND REMOVAL WORKS				
11	3.2.2.1	Dismantling of a built-in wardrobe of up to 5.00 m²	pcs	85.00		0.00
12	3.2.2.2	Dismantling of a built-in wardrobe of 5-10 m²	pcs	39.00		0.00
13	3.2.2.3	Dismantling of cabinets of up to 3.00 m²	pcs	77.00		0.00
14	3.2.2.4	Dismantling of display cases of up to 3.00 m²	pcs	38.00		0.00
15	3.2.2.5	Dismantling of sinks	pcs	14.00		0.00
16	3.2.2.6	Taking the existing furniture outside	m²	2,770.00		0.00
17	3.2.2.7	Cutting of grips in the brick walls	m'	476.00		0.00
18	3.2.2.8	Cutting of grips in brick walls for the passage of new conduits	m'	5,973.00		0.00
19	3.2.2.9	Penetrating, core drilling of the plate floors, walls of the building	pcs	374.00		0.00
20	3.2.2.10	Demolition of masonry walls, roof wall, non bearing walls, chimneys	m³	202.00		0.00
21	3.2.2.11	Punching of the brick wall d=30, 50 and 70 cm	m³	54.80		0.00
22	3.2.2.12	Demolition of RC beams	m³	14.55		0.00
23	3.2.2.13	Demolition of RC ground floor slab	m³	8.25		0.00
24	3.2.2.14	Demolition of RC staircase from basement to ground floor	m³	4.85		0.00
25	3.2.2.15	Punching of RC ground floor slab for new staircase	m³	3.00		0.00
26	3.2.2.16	Demolition of RC staircases on ground floor and floors	m³	2.00		0.00
27	3.2.2.17	Demolition of RC slab d=10cm in basement and basement 2	m³	38.00		0.00
28	3.2.2.18	Dismantling of the windows with window space up to 2.00 m²	pcs	83.00		0.00
29	3.2.2.19	Dismantling of the windows with window space of up to 5.00 m²	pcs	94.00		0.00
30	3.2.2.20	Dismantling of doors with surface area of up to 2.00 m²	pcs	117.00		0.00
31	3.2.2.21	Dismantling of doors with surface area of up to 5.00 m²	pcs	79.00		0.00
32	3.2.2.22	Dismantling of the double casing double doors	pcs	32.00		0.00
33	3.2.2.23	Stripping off of the existing wet or blistered mortar from the walls and ceilings of basement and basement 2	m²	1,100.00		0.00
34	3.2.2.24	Partial removal of plaster of interior walls of ground and rest of the floors. (estimate 20%)	m²	1,400.00		0.00
35	3.2.2.25	Removal of plaster from ceilings and ceiling structure of wooden batons	m²	1,700.00		0.00
36	3.2.2.26	Removal of damaged parts of façade plaster	m²	476.00		0.00
37	3.2.2.27	Dismantling of parquet, blind floor, wood laths, board and sand layer with side rims	m²	1,402.00		0.00
38	3.2.2.28	Demolition of ceramic tiles with support layer (roof terrace)	m²	22.35		0.00
39	3.2.2.29	Demolition of cast terrazzo flooring	m²	400.00		0.00
40	3.2.2.30	Demolition of stone tiles floor in the entrance area	m²	51.40		0.00
41	3.2.2.31	Demolition of the finishing layers of serviceable flat roof	m²	67.30		0.00
42	3.2.2.32	Demolition of wall and floor ceramic tiles with support layer	m²	330.00		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
43	3.2.2.33	Demolition of screed beds d=6cm	m ²	195.00		0.00
44	3.2.2.34	Dismantling of matchboard with sub structure in the attic	m ²	635.00		0.00
45	3.2.2.35	Dismantling of matchboard from ceiling with sub structure	m ²	280.00		0.00
46	3.2.2.36	Dismantling of suspended ceiling made of gypsum cardboard with sub structure	m ²	110.00		0.00
47	3.2.2.37	Dismantling of roof cover made of interlocking tiles, hogs and ridges	m ²	260.00		0.00
48	3.2.2.38	Dismantling of roof wood structure with dismantling of wooden battens	m ²	546.00		0.00
49	3.2.2.39	Dismantling of wood sheeting with hydro insulation of the roof	m ²	476.00		0.00
50	3.2.2.40	Dismantling of sheet metal roofing	m ²	476.00		0.00
51	3.2.2.41	Dismantling of the glazed metal canopy	m ²	2.50		0.00
52	3.2.2.42	Dismantling of the sheet metal elements	m'	270.00		0.00
53	3.2.2.43	Dismantling of the sheet metal dome	m ²	65.00		0.00
54	3.2.2.44	Dismantling of roof windows	pcs	20.00		0.00
55	3.2.2.45	Dismantling of the metal staircase structure	pcs	1.00		0.00
56	3.2.2.46	Dismounting of the staircase metal structure in the attic (staircase, elevator structure, fence, beam, ...)	pcs	23.00		0.00
57	3.2.2.47	Dismantling of the sheet metal flashing of cornices	m'	186.00		0.00
58	3.2.2.48	Dismantling of AC units from façade	pcs	7.00		0.00
TOTAL DISMANTLING, DEMOLITION AND REMOVAL WORKS						0.00
III	3.2.3	EARTH WORKS				
59	3.2.3.1	Manual excavation of class III soil depth of 30cm after demolition of floor slab	m ³	115.00		0.00
60	3.2.3.2	Manual excavation of class III soil for the foundation of the staircase, the elevator and walls	m ³	3.85		0.00
61	3.2.3.3	Fabrication of working platforms (construction gangways)	m ²	24.00		0.00
62	3.2.3.4	Procurement spreading and compaction of gravel below floor of basement and basement 2	m ³	62.00		0.00
TOTAL EARTH WORKS						0.00
IV	3.2.4	MASONRY WORK				
63	3.2.4.1	Brickwork on load-bearing walls, of d=38cm	m ³	5.73		0.00
64	3.2.4.2	Brickwork on load-bearing walls, of d=25cm	m ³	23.70		0.00
65	3.2.4.3	Brickwork on new new light expanded concrete walls with regular bond	m ³	104.00		0.00
66	3.2.4.4	Manual cleaning of visible reinforcement on ceilings of basement and basement 2	m ²	75.00		0.00
67	3.2.4.5	Spraying of concrete surface areas with cement slurry in basement and basement 2 after cleaning of reinforcement	m ²	370.00		0.00
68	3.2.4.6	Plastering of walls of basement, basement 2 and stripped walls on floors	m ²	2,170.00		0.00
69	3.2.4.7	Plastering of grips in existing mortar	m'	6,449.00		0.00
70	3.2.4.8	Fabrication of cement screed d=6cm reinforced with mesh Q188	m ²	2,714.00		0.00
TOTAL MASONRY WORK						0.00
V	3.2.5	CONCRETE WORKS				
71	3.2.5.1	Dismantling and vertical and horizontal transport of timber window lintels and door lintels and fabrication and installation of new RC lintels in existing masonry walls	m ³	55.00		0.00
72	3.2.5.2	Fabrication of reinforced concrete slabs, of d=16cm	m ²	35.00		0.00
73	3.2.5.3	Fabrication of reinforced-concrete sloping slabs and staircase landings	m ³	3.85		0.00
74	3.2.5.4	Fabrication of the concrete semi-circular staircase in the basement and on the ground floor	m ³	22.64		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
75	3.2.5.5	Fabrication of the RC staircase for connection of the lobby and the sanitary block facilities	m³	6.35		0.00
76	3.2.5.6	Fabrication of the concrete staircase in the courtyard from level - 2.20 to level +1.40	m³	4.45		0.00
77	3.2.5.7	Fabrication of the concrete sub-base for the foundation slab of the elevator shaft	m²	57.50		0.00
78	3.2.5.8	Fabrication of the concrete cover, of d=8cm	m²	57.50		0.00
79	3.2.5.9	Fabrication of concrete floor d=12cm in basement and basement 2	m²	380.00		0.00
80	3.2.5.10	Fabrication of the concrete floor, of d=15cm	m²	18.25		0.00
81	3.2.5.11	Fabrication of RC walls in the elevator shaft, of d=15cm	m²	237.24		0.00
82	3.2.5.12	Fabrication of RC beams on all floors in accordance with calculation	m³	12.56		0.00
83	3.2.5.13	Fabrication of RC beams on positions of cutting through ground floor slab	m³	3.20		0.00
84	3.2.5.14	Fabrication of RC slab for closing skylight d=15cm	m²	18.60		0.00
85	3.2.5.15	Fabrication of RC beams on existing masonry walls bxd=50x40 and bxd=70x40	m³	71.90		0.00
86	3.2.5.16	Fabrication of the RC attic slab d=20cm	m²	345.00		0.00
87	3.2.5.17	Fabrication of RC beams in attic for slab support and RC girders in the attic	m³	39.85		0.00
88	3.2.5.18	Fabrication of 20x40cm RC columns in the attic	m³	4.65		0.00
89	3.2.5.19	Fabrication of horizontal RC beams (serklaz)	m³	6.45		0.00
90	3.2.5.20	Concreting of the courtyard using MB20 concrete, of d=15cm	m²	46.50		0.00
91	3.2.5.21	Fabrication of concrete foundation supporting the hydrocell d=20cm	m²	12.50		0.00
92	3.2.5.22	Fabrication of the RC baluster, of d=15cm	m²	37.45		0.00
93	3.2.5.23	Reinforcement of floor ribs with carbon tapes 50x1,4mm with modulus of elasticity 1650 N/mm2 in accordance with structural calculation with base preparation	m'	500.00		0.00
94	3.2.5.24	Application of carbon tapes width 300mm in areas of beam and rib supports	m²	160.00		0.00
95	3.2.5.25	Application of fire protection coating	m²	100.00		0.00
96	3.2.5.26	Cutting of seismic RC walls in the existing masonry walls. Depth of cutting 15-20 cm	m³	115.00		0.00
97	3.2.5.27	Cutting Through Ceilings and Horizontal Beams	m'	21.00		0.00
98	3.2.5.28	Fabrication of new seismic walls in single side formwork, MB 30	m³	115.00		0.00
99	3.2.5.29	Procurement, cutting, bending and placing of reinforcement in the new seismic walls	kg	16,812.00		0.00
100	3.2.5.30	Placing of ribbed reinforcement B500B and mesh	kg	22,039.00		0.00
			TOTAL CONCRETE WORKS			0.00
VI	3.2.6	ROOF STRUCTURE				
101	3.2.6.1	Fabrication and installation of classical wood roof structure	m²	546.00		0.00
102	3.2.6.2	Installation of two layers of OSB panels	m²	1,092.00		0.00
103	3.2.6.3	Installation of wooden battens 5x3cm over wood beams and OSB panels	m²	546.00		0.00
104	3.2.6.4	Installation of rock wool d=22cm between wood beams	m²	546.00		0.00
105	3.2.6.5	Fabrication and installation of roof cover made of cooper sheeting with installation of waterproof lining over OSB panels	m²	546.00		0.00
			TOTAL ROOF STRUCTURE			0.00
VII	3.2.7	INSULATION WORK				

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
106	3.2.7.1	Painting of the walls in the basement with all preparatory works	m²	1,100.00		0.00
107	3.2.7.2	Waterproofing of Walls	m²	1,100.00		0.00
108	3.2.7.3	Applying of the waterproofing single-component universal penetrating coating	m²	370.00		0.00
109	3.2.7.4	Applying of the protective coating for sealing of concrete floors	m²	370.00		0.00
110	3.2.7.5	Treatment of all the runs in the basement walls	pcs	36.00		0.00
111	3.2.7.6	Execution of the leveling course	m²	98.00		0.00
112	3.2.7.7	Placing of the waterproofing of PVC-based synthetic membrane	m²	98.00		0.00
113	3.2.7.8	Execution of the protective waterproofing of cement screed of d=5cm	m²	98.00		0.00
114	3.2.7.9	Execution of the waterproofing in sanitary blocks and kitchenettes	m²	9.80		0.00
115	3.2.7.10	Waterproofing underneath the floors of sanitary blocks	m²	175.90		0.00
116	3.2.7.11	Waterproofing of passable flat roofs	m²	80.50		0.00
117	3.2.7.12	Thermal insulation of walls on the courtyard side of the building	m²	659.00		0.00
118	3.2.7.13	Thin-coat plastering of the courtyard-facing facade	m²	659.00		0.00
119	3.2.7.14	Skimming of the courtyard-facing facade	m²	659.00		0.00
120	3.2.7.15	Painting of the facade	m²	659.00		0.00
121	3.2.7.16	Thermal insulation of interior walls	m²	74.22		0.00
122	3.2.7.17	Thermal insulation of the floor structure above the unheated basement	m²	431.73		0.00
123	3.2.7.18	Thermal insulation of the floor structure above the heated space	m²	280.50		0.00
124	3.2.7.19	Thermal insulation of the sloped roof	m²	546.00		0.00
125	3.2.7.20	Acoustic insulation of the walls of the passenger lift	m²	221.31		0.00
126	3.2.7.21	Installation of hard rock wool of d=7cm	m²	1,770.00		0.00
TOTAL INSULATION WORK						0.00
VIII	3.2.8	JOINERY WORK				
	3.2.8.1	Fitting of interior entrance doors				
127	3.2.8.1.1	Door of the dim. of 101/230 cm	pcs	19.00		0.00
128	3.2.8.1.2	Door of the dim. of 120/250 cm	pcs	10.00		0.00
129	3.2.8.1.3	Door of the dim. of 140/250 cm (double)	pcs	27.00		0.00
130	3.2.8.1.4	Door of the dim. of 160/250 cm, double, double-leaf, the door jamb depth of 70 cm between the door leaves	pcs	15.00		0.00
131	3.2.8.1.5	Door of the dim. of 91/230 cm	pcs	71.00		0.00
132	3.2.8.1.6	Door of the dim. of 81/210	pcs	10.00		0.00
	3.2.8.2	Installation and fitting of double-casement double-glazed windows and double doors				
133	3.2.8.2.1	Windows of the dim. of 110/195+30 cm	pcs	22.00		0.00
134	3.2.8.2.2	Windows of the dim. of 170/145+70+30 cm	pcs	34.00		0.00
135	3.2.8.2.3	Windows of the dim. of 170/150+70+30 cm	pcs	1.00		0.00
136	3.2.8.2.4	Windows of the dim. of 170/150+80+30 cm	pcs	7.00		0.00
137	3.2.8.2.5	Balcony doors of 170/230+70+30cm	pcs	7.00		0.00
	3.2.8.3	Fabrication and fitting of single-glazed, single-casement and double-casement windows				
138	3.2.8.3.1	Window of the dim. of 45/120 cm	pcs	3.00		0.00
139	3.2.8.3.2	Window of the dim. of 60/180 cm	pcs	1.00		0.00
140	3.2.8.3.3	Window of the dim. of 65/120 cm	pcs	8.00		0.00
141	3.2.8.3.4	Window of the dim. of 65/130 cm	pcs	4.00		0.00
142	3.2.8.3.5	Window of the dim. of 65/140 cm	pcs	9.00		0.00
143	3.2.8.3.6	Window of the dim. of 80/70 cm	pcs	2.00		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
144	3.2.8.3.7	Window of the dim. of 90/90 cm	pcs	2.00		0.00
145	3.2.8.3.8	Window of the dim. of 100/75 cm	pcs	1.00		0.00
146	3.2.8.3.9	Window of the dim. of 100/90 cm	pcs	1.00		0.00
147	3.2.8.3.10	Window of the dim. of 100/140 cm	pcs	5.00		0.00
148	3.2.8.3.11	Window of the dim. of 120/90 cm (double-casement)	pcs	2.00		0.00
149	3.2.8.3.12	Window of the dim. of 170/145+70+30 cm	pcs	7.00		0.00
150	3.2.8.3.13	Window of the dim. of 200/90 cm (double-casement)	pcs	2.00		0.00
151	3.2.8.3.14	Window of the dim. of 130/150 cm (double-casement)	pcs	3.00		0.00
152	3.2.8.3.15	Window of the dim. of 110/150+60 cm (double-casement)	pcs	2.00		0.00
153	3.2.8.3.16	Window of the dim. of 80/135+70 cm	pcs	1.00		0.00
154	3.2.8.3.17	Window of the dim. of 90/165+75 cm	pcs	27.00		0.00
155	3.2.8.3.18	Window of the dim. of 115/190+20 cm (double-casement)	pcs	2.00		0.00
156	3.2.8.3.19	Window of the dim. of 75/115+65 cm	pcs	1.00		0.00
157	3.2.8.3.20	Window of the dim. of 120/125+80 cm (double-casement)	pcs	7.00		0.00
158	3.2.8.3.21	Window of the dim. of 110/135+85 cm (double-casement)	pcs	6.00		0.00
159	3.2.8.3.22	Window of the dim. of 80/110+85 cm	pcs	10.00		0.00
160	3.2.8.3.23	Window of the dim. of 95/135+70 cm	pcs	4.00		0.00
161	3.2.8.3.24	Window of the dim. of 155/135+70 cm (double-casement)	pcs	6.00		0.00
162	3.2.8.4	Fitting of the single-glazed portals	pcs	2.00		0.00
163	3.2.8.5	Fitting of the semi-automatic sliding partition wall	pcs	3.00		0.00
	3.2.8.6	Fitting of windows into the structure				
164	3.2.8.6.1	Basement II, SS 22, fixed portal with a double door, of the dim. of 4500x2500mm	pcs	1.00		0.00
165	3.2.8.6.2	Ground floor, SU 22, portal, of the dim. of 1700x3200mm	pcs	2.00		0.00
166	3.2.8.6.3	Ground floor, SU 23, fixed portal, of the dim. of 600x3200mm	pcs	2.00		0.00
167	3.2.8.6.4	Ground floor, SS 32, fixed portal, of the dim. of 6500x4450mm	pcs	1.00		0.00
168	3.2.8.6.5	Ground floor, SS 32, fixed portal, of the dim. of 4400x2850mm	pcs	1.00		0.00
169	3.2.8.6.6	Floor I, SS, fixed portal with a double door (sandblasted glass), of the dim. of 10800x3350mm	pcs	1.00		0.00
170	3.2.8.6.7	Floor II, SS 33, fixed portal, of the dim. of 6400x2750mm	pcs	1.00		0.00
171	3.2.8.6.8	Floor II, SU 18, fixed portal with a double door (sandblasted glass), of the dim. of 10800x3350mm	pcs	1.00		0.00
172	3.2.8.6.9	Floor III, SS 33, fixed portal, of the dim. of 6400x2750 mm	pcs	1.00		0.00
173	3.2.8.6.10	Floor III, SU 18, fixed portal with a double door (sandblasted glass), of the dim. of 10800x3350mm	pcs	1.00		0.00
174	3.2.8.6.11	Floor IV, SS 33, fixed portal, of the dim. of 6400x2750mm	pcs	1.00		0.00
175	3.2.8.6.12	Attic, SS 34, fixed portal, of the dim. of 2400x2550mm	pcs	1.00		0.00
176	3.2.8.6.13	Attic, SS 35, fixed portal, of the dim. of 2500x2550mm	pcs	1.00		0.00
177	3.2.8.6.14	Attic, SS 36, fixed portal with a single-leaf door, of the dim. of 2500x2550mm	pcs	1.00		0.00
178	3.2.8.7	Transport and fitting of double doors of AL profiles with the fanlight	pcs	1.00		0.00
179	3.2.8.8	Transport and fitting of double doors with the fanlight	pcs	1.00		0.00
	3.2.8.9	Fitting of metal fire doors				
		I FIRE DOORS				
180	3.2.8.9.1	Metal, solid, double F60, of the dim. of 140x260cm	pcs	1.00		0.00
181	3.2.8.9.2	Metal, solid, single-leaf F 60, of the dim. of 101x250cm	pcs	7.00		0.00
182	3.2.8.9.3	Metal, solid, double F 60, of the dim. of 160x250cm	pcs	11.00		0.00
183	3.2.8.9.4	Metal, solid, double F 90, of the dim. of 160x250cm	pcs	3.00		0.00
184	3.2.8.9.5	Metal, solid, single-leaf F 90, of the dim. of 101x250cm	pcs	7.00		0.00
		II SMOKE-PROOF DOORS				
185	3.2.8.9.6	Metal, solid, single-leaf F 30, of the dim. of 101x250cm	pcs	6.00		0.00
186	3.2.8.9.7	Metal, solid, single-leaf F 30, of the dim. of 160x250cm	pcs	11.00		0.00
		TOTAL JOINERY WORK				0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
IX	3.2.9	STEEL AND METAL WORKS				
187	3.2.9.1	Dismantling of the existing ribbed manhole covers	pcs	8.00		0.00
188	3.2.9.2	Replacement of the existing ribbed manhole covers	pcs	8.00		0.00
189	3.2.9.3	Fabrication of L profiles	pcs	8.00		0.00
190	3.2.9.4	Fabrication and mounting of the wrought iron fence	kg	47.00		0.00
191	3.2.9.5	Dismantling of the existing wrought iron doors	kg	15.00		0.00
192	3.2.9.6	Dismantling of the existing entrance door	pcs	1.00		0.00
193	3.2.9.7	Detailed restoration of the main entrance door	pcs	1.00		0.00
194	3.2.9.8	Dismantling of the steel doors of 5.32x4.80m	pcs	1.00		0.00
195	3.2.9.9	Dismantling of the steel doors of 5.40x3.60m	pcs	1.00		0.00
196	3.2.9.10	Steel Beams for Reinforcement of the Server Room Floor	kg	4,405.00		0.00
197	3.2.9.11	Grouting of steel-concrete connection with appropriate material-structural plaster	kg	5,000.00		0.00
		TOTAL STEEL AND METAL WORKS				0.00
X	3.2.10	SHEET METAL WORKS				
	3.2.10.1	Dismantling of the sheet metal dome cladding				
198	3.2.10.1.1	Dismantling of the existing damaged sheet metal	m²	77.00		0.00
199	3.2.10.1.2	Dismantling of the dome substructure	m²	77.00		0.00
200	3.2.10.1.3	Fabrication of a new wooden substructure of the dome	m²	77.00		0.00
201	3.2.10.1.4	Fabrication of the upper part of the dome	m'	48.00		0.00
202	3.2.10.1.5	Fabrication of the dome cornice of copper sheet of d=0.8mm	pcs	48.00		0.00
203	3.2.10.1.6	Fabrication of the flashing of the "dome" of copper sheet of d=0.8mm	m²	48.00		0.00
204	3.2.10.1.7	Re-mounting of the sandblasted	m'	29.00		0.00
	3.2.10.2	Fabrication and placing of windowsills underneath the windows and drip copper flashings on cornices				
205	3.2.10.2.1	Flashing of the cornice above the ground floor of an average developed width of 40 cm	m'	57.00		0.00
206	3.2.10.2.2	Fabrication and placing of windowsills under windows on the second and third floor of the developed width of approximately 30cm	m'	37.00		0.00
207	3.2.10.2.3	Flashing of the cornice underneath the windows on the fourth floor of a developed width of approximately 60 cm	m'	57.00		0.00
208	3.2.10.2.4	Fabrication and mounting of the horizontally lying gutter on the cornice underneath the windows on the fourth floor	m'	48.00		0.00
209	3.2.10.3	Sandblasting, corrosion protection, and painting of the existing balustrades	pcs	8.00		0.00
210	3.2.10.4	Fabrication and installation of the metal doormat	pcs	1.00		0.00
211	3.2.10.5	Fabrication and mounting of the flagpole bracket	pcs	3.00		0.00
212	3.2.10.6	Restoration of wrought iron guard rails	pcs	3.00		0.00
213	3.2.10.7	Restoration of wrought iron rails on balcony windows	pcs	7.00		0.00
214	3.2.10.8	Dismantling of the existing facade openings	pcs	3.00		0.00
215	3.2.10.9	Fabrication and mounting of new locksmith facade openings	pcs	3.00		0.00
216	3.2.10.10	Flashing of arched roof plane using copper sheet of d=0.8mm	m²	512.00		0.00
217	3.2.10.11	Flashing of arched roof plane using copper sheet of d=0.55mm	m²	47.00		0.00
218	3.2.10.12	Dismantling of the horizontal and vertical gutters	m'	345.00		0.00
219	3.2.10.13	Procurement and cladding of AL plasticized trapezoidal sheet metal TR 40/240	m²	57.40		0.00
220	3.2.10.14	Procurement and placing of anti-condensation felt	m²	57.40		0.00
221	3.2.10.15	Fabrication and mounting of the bottom flashing of the central dome	m'	58.00		0.00
222	3.2.10.16	Fabrication and mounting of copper gutters of DW of 55cm	m'	77.00		0.00
	3.2.10.17	Fabrication and mounting of flashing of the facade cornice				

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
223	3.2.10.17.1	DW of 40	m'	96.00		0.00
224	3.2.10.17.2	DW of 55	m'	70.00		0.00
225	3.2.10.17.3	DW of 66	m'	75.00		0.00
	3.2.10.18	Flashing of windowsills using copper sheet				
226	3.2.10.18.1	DW of 40	m'	45.00		0.00
227	3.2.10.18.2	DW of 60	m'	74.50		0.00
228	3.2.10.19	Flashing of balcony balustrades using copper sheet	m'	48.00		0.00
229	3.2.10.20	Fabrication and mounting of horizontal semicircular gutters of copper sheet	m'	127.00		0.00
230	3.2.10.21	Fabrication and mounting of vertical gutters of copper sheet	m'	225.00		0.00
231	3.2.10.22	Fabrication and mounting of a stylized rainwater of copper sheet	pcs	11.00		0.00
		TOTAL SHEET METAL WORKS				0.00
XI	3.2.11	FLOOR-AND-WALL TILING				
232	3.2.11.1	Tilesetting of wall ceramic tiles	m²	964.00		0.00
233	3.2.11.2	Tilesetting of floor granite ceramics	m²	446.00		0.00
234	3.2.11.3	Tilesetting of anti-slip floor ceramic tiles	m²	130.00		0.00
235	3.2.11.4	Setting of floor ceramic tiles	m²	488.00		0.00
		TOTAL FLOOR-AND-WALL TILING				0.00
XII	3.2.12	STONEMWORK				
236	3.2.12.1	Fabrication and installation of stair treads of natural stone	pcs	42.00		0.00
237	3.2.12.2	Fabrication and installation of stair risers of natural stone	m'	42.00		0.00
238	3.2.12.3	Fabrication and installation of the stair treads of the staircase	m'	22.00		0.00
239	3.2.12.4	Fabrication and installation of the stair risers of natural stone (marble), d=5cm thick	m'	22.00		0.00
240	3.2.12.5	Repair of the existing marble stairs	pcs	12.00		0.00
241	3.2.12.6	Replacement of floor marble slabs in the lobby with the lift	m²	31.58		0.00
242	3.2.12.7	Fabrication and setting of tiles of natural stone (marble) of d=2cm	m²	85.47		0.00
243	3.2.12.8	Fabrication and installation of plinths	m'	243.00		0.00
244	3.2.12.9	Fabrication and setting of tiles of natural stone (marble) of d=2cm	m²	110.00		0.00
245	3.2.12.10	Fabrication and installation of plinths h=10cm high	m'	44.00		0.00
		TOTAL STONEMWORK				0.00
XIII	3.2.13	PARQUET-FLOOR LAYING				
246	3.2.13.1	Applying of the impregnation layer	m²	1,366.00		0.00
247	3.2.13.2	Laying of the ready-made three-ply parquet of 11.5x158x2000 mm	m²	1,295.00		0.00
248	3.2.13.3	Laying of the ready-made three-ply parquet of 14x130x1092mm	m²	71.40		0.00
249	3.2.13.4	Procurement and installation of oak parquet skirting boards	m'	1,914.00		0.00
		TOTAL PARQUET-FLOOR LAYING				0.00
XIV	3.2.14	PLASTERING WORK				
250	3.2.14.1	Fabrication of the non-load-bearing partition fire wall 150mm thick	m²	315.00		0.00
251	3.2.14.2	Lining of ducts (kanala) of the dim. of 60x80cm with three-ply fire resistant gypsum boards	m²	277.14		0.00
252	3.2.14.3	Lining of walls using gypsum boards of d=12.5mm	m²	374.00		0.00
253	3.2.14.4	Fabrication of the suspended monolithic ceiling (corridors, waiting rooms, offices)	m²	2,204.00		0.00
254	3.2.14.5	Fabrication of the suspended monolithic ceiling (sanitary blocks, kitchenettes, part of the basement)	m²	324.80		0.00
255	3.2.14.6	Fabrication of casings around the built-in flushing cisterns	m²	44.60		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
TOTAL PLASTERING WORK						0.00
XV	3.2.15	EXTERNAL PLASTERING				
256	3.2.15.1	Sandblasting of the facade plane with a jet of quartz sand	m²	1,004.00		0.00
257	3.2.15.2	Mechanical washing of the facade plane	m²	239.70		0.00
258	3.2.15.3	Stripping of damaged parts of the facade plaster	m²	476.00		0.00
	3.2.15.4	Stripping of the window profiled frames and horizontal facade cornices				
259	3.2.15.4.1	Window frames and cornices of up to 30cm of the developed width	m'	274.00		0.00
260	3.2.15.4.2	Cornices of 30-60cm of the developed width	m'	253.00		0.00
261	3.2.15.4.3	Cornices of over 60cm of the developed width	m'	137.00		0.00
262	3.2.15.4.4	The existing pilasters of the developed width of approximately 120cm	m'	47.00		0.00
	3.2.15.5	Opening of cracks and damages on the facade planes				
263	3.2.15.5.1	Cracks up to 2mm wide	m'	976.00		0.00
264	3.2.15.5.2	Cracks wider than 2mm	m'	739.00		0.00
	3.2.15.6	Treatment of newly stripped surfaces of the facade skin				
265	3.2.15.6.1	The area of horizontal belts	m²	127.00		0.00
266	3.2.15.6.2	Flat sections between pilasters	m²	97.00		0.00
	3.2.15.7	Repair of the balusters and half balusters on the balcony balustrade and eaves-cornice				
267	3.2.15.7.1	Balusters approximately 60 cm high	pcs	36.00		0.00
268	3.2.15.7.2	Half balusters approximately 50cm high	pcs	11.00		0.00
269	3.2.15.7.3	X-shaped ornaments on the balustrade above the main entrance	pcs	1.00		0.00
	3.2.15.8	Finishing of the facade plane				
270	3.2.15.8.1	Granite cladding of the basement walls up to the cornice	m²	376.40		0.00
271	3.2.15.8.2	The stone cornice	m'	46.70		0.00
272	3.2.15.8.3	The facade surface - Chiselled area	m²	113.70		0.00
273	3.2.15.8.4	Ornamental strips	m²	211.60		0.00
274	3.2.15.8.5	The facade surface smooth - Facade plane	m²	347.00		0.00
275	3.2.15.8.6	Ornamental moulded strips	m'	517.00		0.00
276	3.2.15.9	Building in of bituminous fillets	pcs	276.00		0.00
277	3.2.15.10	Treatment of facade surfaces on the courtyard side of the building	m²	860.00		0.00
TOTAL EXTERNAL PLASTERING						0.00
XVI	3.2.16	PAINTING WORK				
278	3.2.16.1	Applying of the base coat on all the surfaces of walls and ceilings	m²	9,716.40		0.00
279	3.2.16.2	Skimming of walls and ceilings	m²	9,716.40		0.00
280	3.2.16.3	Painting of walls and ceilings with semi-dispersive paints	m²	9,716.40		0.00
TOTAL PAINTING WORK						0.00
XVII	3.2.17	PARTERRE DESIGN				
281	3.2.17.1	Cutting grips in the RC slab of the courtyard	m'	28.00		0.00
282	3.2.17.2	Manual excavation of earth material of III category and of compacted gravel	m³	22.96		0.00
283	3.2.17.3	Concreting of the section of the concrete courtyard slab	m²	22.96		0.00
284	3.2.17.4	Execution of the screed of the „Danube“ sand of d=10cm	m²	36.45		0.00
285	3.2.17.5	Laying of picked granite slabs	m²	37.00		0.00
TOTAL PARTERRE DESIGN						0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
XVIII	3.2.18	SERVER ROOM				
286	3.2.18.1	Raised antistatic floor	m²	31.00		0.00
287	3.2.18.2	Painting of the server room	m²	65.00		0.00
				TOTAL SERVER ROOM		0.00
XIX	3.2.19	PRELIMINARY WORK - WATER SUPPLY SYSTEM				
	3.2.19.1	Dismounting of the existing sanitary equipment and accessories				
288	3.2.19.1.1	Water closet - complete set	pcs	19.00		0.00
289	3.2.19.1.2	Wash basin	pcs	10.00		0.00
290	3.2.19.1.3	Wall-mounted water tap	pcs	10.00		0.00
291	3.2.19.2	Dismounting of worn-out galvanized water pipes	LS	1.00		0.00
292	3.2.19.3	Dismounting of the water tank	pcs	1.00		0.00
				TOTAL PRELIMINARY WORK		0.00
XX	3.2.20	WATER SUPPLY SYSTEM INSTALLATIONS				
	3.2.20.1	Delivery and laying of stainless steel pipes				
293	3.2.20.1.1	Ø15x1.0 (Ø15)	m'	180.00		0.00
294	3.2.20.1.2	Ø22x1.2 (Ø20)	m'	130.00		0.00
295	3.2.20.1.3	Ø28x1.2 (Ø25)	m'	170.00		0.00
296	3.2.20.1.4	Ø35x1.5 (Ø32)	m'	130.00		0.00
297	3.2.20.1.5	Ø42x1.5 (Ø40)	m'	45.00		0.00
298	3.2.20.2	Delivery and fitting of press union sockets for stainless steel pipes	LS	1.00		0.00
	3.2.20.3	Delivery and laying of pipes on reels of PE-Xc/Al/PE-Xc				
299	3.2.20.3.1	Ø16x2	m'	40.00		0.00
300	3.2.20.3.2	Ø20x2.3	m'	2.00		0.00
301	3.2.20.3.3	Ø25x2.8	m'	6.00		0.00
302	3.2.20.3.4	Ø32x3.2	m'	2.00		0.00
303	3.2.20.4	Delivery and fitting of press union sockets for PEXc/Al/PEXc pipes	LS	1.00		0.00
304	3.2.20.5	Pipeline pressure test	LS	1.00		0.00
305	3.2.20.6	Disinfection and bacteriological test of the pipeline	LS	1.00		0.00
	3.2.20.7	Procurement and fitting of heat insulation for the pipes				
306	3.2.20.7.1	Ø 15-20 mm	m'	290.00		0.00
307	3.2.20.7.2	Ø 25-40 mm	m'	65.00		0.00
308	3.2.20.8	Procurement and installation of the booster pump Q=5 l/s	pcs	1.00		0.00
309	3.2.20.9	Procurement and installation of the combined water meter	pcs	1.00		0.00
		TOTAL WATER SUPPLY SYSTEM INSTALLATIONS				0.00
XXI	3.2.21	SANITARY WARE				
310	3.2.21.1	Wash Basin	pcs	29.00		0.00
311	3.2.21.2	Wash Basin of White Faience	pcs	7.00		0.00
312	3.2.21.3	Wash Basin of White Faience for Persons with Special Needs	pcs	1.00		0.00
313	3.2.21.4	Installation Elements for Floor Standing Water Closet	pcs	7.00		0.00
314	3.2.21.5	Complete Floor Standing Water Closet, I Class	pcs	7.00		0.00
315	3.2.21.6	Floor Standing Water Closet for Persons with Special Needs	pcs	1.00		0.00
316	3.2.21.7	Complete Sanitary Water Closet Ware for Persons with Special Needs	pcs	1.00		0.00
317	3.2.21.8	Installation Wall-Mounted Module	pcs	31.00		0.00
318	3.2.21.9	Complete Bracket-Mounted Water Closet	pcs	31.00		0.00
319	3.2.21.10	Urinal Made of Faience	pcs	2.00		0.00
320	3.2.21.11	Bracket-Mounted Urinal Made of Inox	pcs	11.00		0.00
321	3.2.21.12	Kitchen Sink Made of Inox	pcs	5.00		0.00
		TOTAL SANITARY WARE				0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
XXII	3.2.22	SANITARY FITTINGS				
322	3.2.22.1	Pillar-type single-lever mixing hot and cold water tap	pcs	29.00		0.00
323	3.2.22.2	Pillar-type single-lever mixing hot and cold water tap with flexible connections	pcs	5.00		0.00
	3.2.22.3	Procurement and fitting of gate valves with inner thread				
324	3.2.22.3.1	Gate valves with wheel handles and drain cock Ø65 mm	pcs	1.00		0.00
325	3.2.22.3.2	Gate valves with wheel handles Ø 20 mm	pcs	4.00		0.00
326	3.2.22.3.3	Gate valves with wheel handles Ø 25 mm	pcs	6.00		0.00
327	3.2.22.3.4	Gate valves with wheel handles Ø 32 mm	pcs	2.00		0.00
328	3.2.22.3.5	EK valve	pcs	8.00		0.00
	3.2.22.4	Ancillary accessories in toilets				
329	3.2.22.4.1	Upper towel holder	pcs	35.00		0.00
330	3.2.22.4.2	Liquid soap dispenser	pcs	39.00		0.00
331	3.2.22.4.3	Liquid soap dispenser,	pcs	35.00		0.00
332	3.2.22.4.4	WC brush, chrome-plated	pcs	39.00		0.00
333	3.2.22.4.5	Litter bin	pcs	20.00		0.00
334	3.2.22.4.6	Mirror, dimensions: 80x100cm	pcs	34.00		0.00
335	3.2.22.4.7	Wall mounted mirror for disabled persons, dimensions: 60x40cm	pcs	1.00		0.00
336	3.2.22.4.8	Wall mounted rand rail for the water closet for disabled persons	pcs	1.00		0.00
TOTAL SANITARY FITTINGS						0.00
XXIII	3.2.23	PRELIMINARY WORK-SEWERAGE				
337	3.2.23.1	Dismounting of worn-out sewerage pipes no longer functional	LS	1.00		0.00
TOTAL PRELIMINARY WORK-SEWERAGE						0.00
XXIV	3.2.24	SEWERAGE INSTALLATIONS				
	3.2.24.1	Procurement, transport and laying of rigid sewerage polyethylene low-noise discharge pipes				
338	3.2.24.1.1	Ø 50 mm - PVC	m'	65.00		0.00
339	3.2.24.1.2	Ø 75 mm - PVC	m'	10.00		0.00
340	3.2.24.1.3	Ø 110 mm - PVC	m'	150.00		0.00
341	3.2.24.1.4	Ø 125 mm - PVC	m'	15.00		0.00
342	3.2.24.2	Procurement and laying of HDPE sewerage pipes Ø 160 mm - PVC	m'	55.00		0.00
343	3.2.24.3	Procurement and fitting of PVC vent-pipe outlet Ø 110 mm	pcs	4.00		0.00
344	3.2.24.4	Procurement and fitting of floor gulley with "dry" trap Ø 50 mm	pcs	19.00		0.00
345	3.2.24.5	Procurement and fitting of the gulley for flat roofs and terraces. Ø 100 mm	pcs	9.00		0.00
346	3.2.24.6	Procurement and fitting of the atrium gulley	pcs	1.00		0.00
347	3.2.24.7	Procurement and fitting of cast iron rain water gulley trap Ø 100 mm	pcs	3.00		0.00
348	3.2.24.8	Procurement and installation pump for re-pumping	pcs	1.00		0.00
TOTAL SEWERAGE INSTALLATIONS						0.00
XXV	3.2.25	HYDRANT NETWORK				
	3.2.25.1	Procurement and laying of galvanized water pipes				
349	3.2.25.1.1	Ø 50 mm	m'	60.00		0.00
350	3.2.25.1.2	Ø 65 mm	m'	95.00		0.00
351	3.2.25.1.3	Ø 80 mm	m'	60.00		0.00
	3.2.25.2	Procurement and installation of heat insulation for pipes				
352	3.2.25.2.1	Ø 50 mm	m'	60.00		0.00
353	3.2.25.2.2	Ø 65 mm	m'	95.00		0.00

Judicial Academy
Vol. 3 - Section 2 - Civil Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
354	3.2.25.2.3	Ø 80 mm	m'	60.00		0.00
355	3.2.25.3	Procurement, transport and mounting of the complete wall-mounted fire hydrant	pcs	24.00		0.00
356	3.2.25.4	Procurement and installation of the booster pump unit	pcs	1.00		0.00
TOTAL HYDRANT NETWORK						0.00

I	PRELIMINARY WORKS	0.00
II	DISMANTLING, DEMOLITION AND REMOVAL WORKS	0.00
III	EARTH WORKS	0.00
IV	MASONRY WORK	0.00
V	CONCRETE WORKS	0.00
VI	ROOF STRUCTURE	0.00
VII	INSULATION WORK	0.00
VIII	JOINERY WORK	0.00
IX	STEEL AND METAL WORKS	0.00
X	SHEET METAL WORKS	0.00
XI	FLOOR-AND-WALL TILING	0.00
XII	STONWORK	0.00
XIII	PARQUET-FLOOR LAYING	0.00
XIV	PLASTERING WORK	0.00
XV	EXTERNAL PLASTERING	0.00
XVI	PAINTING WORK	0.00
XVII	PARTERRE DESIGN	0.00
XVIII	SERVER ROOM	0.00
XIX	PRELIMINARY WORK - WATER SUPPLY SYSTEM	0.00
XX	WATER SUPPLY SYSTEM INSTALLATIONS	0.00
XXI	SANITARY WARE	0.00
XXII	SANITARY FITTINGS	0.00
XXIII	PRELIMINARY WORK-SEWERAGE	0.00
XXIV	SEWERAGE INSTALLATIONS	0.00
XXV	HYDRANT NETWORK	0.00
TOTAL CIVIL WORKS		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.1 Electric Power Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.3.1.1	DISMANTLING OF THE EXISTING POWER SUPPLY INSTALLATIONS				
1	3.3.1.1.1	Dismantling of the existing HVAC installation	LS	1.00		0.00
2	3.3.1.1.2	Dismantling of existing lights and sockets	LS	1.00		0.00
3	3.3.1.1.3	Disconnecting of local switch boards	pcs	7.00		0.00
4	3.3.1.1.4	Disconnecting of main distribution board	pcs	1.00		0.00
		TOTAL-DISMANTLING OF THE EXISTING POWER SUPPLY INSTALLATIONS				0.00
II	3.3.1.2	POWER SUPPLY OF THE BUILDING				
5	3.3.1.2.1	Cable connecting box KPK	pcs	3.00		0.00
6	3.3.1.2.2	Treatment of the building section of the façade around the KPK	m²	0.36		0.00
7	3.3.1.2.3	Cable 2xN2XH-J 4x95mm²	m'	24.00		0.00
		TOTAL-POWER SUPPLY OF THE BUILDING				0.00
III	3.3.1.3	DISTRIBUTION BOARDS AND SWITCHBOARDS				
8	3.3.1.3.1	Main Distribution Board GRO	pcs	1.00		0.00
9	3.3.1.3.2	Distribution board RO-POD II	pcs	1.00		0.00
10	3.3.1.3.3	Distribution board RO-POD I	pcs	1.00		0.00
11	3.3.1.3.4	Distribution board RO-PR	pcs	1.00		0.00
12	3.3.1.3.5	Distribution board RO-I	pcs	1.00		0.00
13	3.3.1.3.6	Distribution board RO-II	pcs	1.00		0.00
14	3.3.1.3.7	Distribution board RO-III	pcs	1.00		0.00
15	3.3.1.3.8	Distribution board RO-IV	pcs	1.00		0.00
16	3.3.1.3.9	Distribution board RO-pot	pcs	1.00		0.00
17	3.3.1.3.10	Distribution board RO-HID	pcs	1.00		0.00
18	3.3.1.3.11	Distribution board RO-TP	pcs	1.00		0.00
19	3.3.1.3.12	Distribution board RO-DEA	pcs	1.00		0.00
20	3.3.1.3.13	Distribution board RO-S	pcs	1.00		0.00
		TOTAL-DISTRIBUTION BOARDS AND SWITCHBOARDS				0.00
IV	3.3.1.4	CABLES AND CABLE TRAYS				
	3.3.1.4.1	Cable trays				
21	3.3.1.4.1.1	PCT-50	m'	210.00		0.00
22	3.3.1.4.1.2	PCT-100	m'	250.00		0.00
23	3.3.1.4.1.3	PCT-200	m'	342.00		0.00
24	3.3.1.4.2	Grounding of cable trays	m'	743.00		0.00
25	3.3.1.4.3	Parapet cable trunking with two compartments	pcs	12.00		0.00
26	3.3.1.4.4	PVC floor trunking with two sections	pcs	62.00		0.00
	3.3.1.4.5	Power supply cables				
27	3.3.1.4.5.1	NHXXH-J FE180/E90 5x6mm²	m'	41.00		0.00
28	3.3.1.4.5.2	N2XH-J 5x4mm²	m'	91.00		0.00
29	3.3.1.4.5.3	N2XH-J 5x6mm²	m'	139.00		0.00
30	3.3.1.4.5.4	N2XH-J 5x10mm²	m'	55.00		0.00
31	3.3.1.4.5.5	N2XH-J 5x16mm²	m'	96.00		0.00
32	3.3.1.4.5.6	N2XH-J 4x35mm²	m'	24.00		0.00
33	3.3.1.4.5.7	N2XH-J 4x50mm² + N2XH-J 1x25mm²	m'	32.00		0.00
34	3.3.1.4.5.8	N2XH-J 4x95mm² + N2XH-J 1x50mm²	m'	32.00		0.00
	3.3.1.4.6	Power supply cables for lighting instalation				
35	3.3.1.4.6.1	N2XH-J 3x1.5mm²	m'	3,500.00		0.00
36	3.3.1.4.6.2	N2XH-J 5x1.5mm²	m'	3,426.00		0.00
	3.3.1.4.7	Power supply cables for socket outlets				

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.1 Electric Power Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
37	3.3.1.4.7.1	N2XH-J 3x2.5mm ²	m'	17,500.00		0.00
38	3.3.1.4.7.2	N2XH-J 5x2.5mm ²	m'	550.00		0.00
	3.3.1.4.8	Power supply cables for heating substation and hydrocel				
39	3.3.1.4.8.1	N2XH-J 3x2.5mm ²	m'	193.00		0.00
40	3.3.1.4.8.2	N2XH-J 5x2.5mm ²	m'	10.00		0.00
	3.3.1.4.9	Power supply cables for HVAC installation				
41	3.3.1.4.9.1	N2XH-J 3x1.5mm ²	m'	1,048.00		0.00
42	3.3.1.4.9.2	N2XH-J 3x2.5mm ²	m'	2,225.00		0.00
43	3.3.1.4.10	Power supply cables for ceentral units of telecommunication installations	m'	84.00		0.00
44	3.3.1.4.11	Fire protection of cables using fire resistant coats.	kg	6.00		0.00
45	3.3.1.4.12	Grounding in the heating substation.	pcs	17.00		0.00
46	3.3.1.4.13	Grounding box PS49 with connection to GSIP	pcs	22.00		0.00
47	3.3.1.4.14	Grounding busbar GSIP	pcs	1.00		0.00
TOTAL-CABLES AND CABLE TRAYS						0.00
V	3.3.1.5	LIGHTS				
48	3.3.1.5.1	Surface mounted LED luminaire	pcs	17.00		0.00
49	3.3.1.5.2	Compact IP66, dust and moisture proof LED luminaire	pcs	42.00		0.00
50	3.3.1.5.3	A slim, wall mounted, edge lit LED luminaire with asymmetrical light distribution	pcs	42.00		0.00
51	3.3.1.5.4	Modular LED recessed luminaire with lens optic	pcs	189.00		0.00
52	3.3.1.5.5	LED ceiling-recessed luminaire with lens optic	pcs	201.00		0.00
53	3.3.1.5.6	LED ceiling-recessed luminaire (Komplettleuchte)	pcs	247.00		0.00
54	3.3.1.5.7	LED ceiling-recessed luminaire (pre-assembled luminaire)	pcs	26.00		0.00
55	3.3.1.5.8	Decorative diffuse LED Circular luminaire with opal cover for surface-mounting to ceilings/walls	pcs	1.00		0.00
56	3.3.1.5.9	Highly efficient direct/indirect LED pendant luminaire with segmented lens optic	pcs	7.00		0.00
57	3.3.1.5.10	Flat and modular LED pendant luminaire with lens optic	pcs	50.00		0.00
58	3.3.1.5.11	Flat and modular LED surface-mount luminaire with lens optic	pcs	23.00		0.00
59	3.3.1.5.12	LED surface-mounted wall washer with asymmetric reflector optic	pcs	14.00		0.00
60	3.3.1.5.13	LED Safety luminaire for anti-panic lighting	pcs	114.00		0.00
61	3.3.1.5.14	Decorative diffuse LED Circular luminaire with opal cover	pcs	6.00		0.00
62	3.3.1.5.15	Surface mounted LED luminaire with a local anti-panic battery with autonomy for 3h	pcs	96.00		0.00
63	3.3.1.5.16	Multifunctional sensor with sensor functionality of the presence of the infrared receiver	pcs	105.00		0.00
64	3.3.1.5.17	Radio receiver for a wireless connection with the ON / OFF switch	pcs	2.00		0.00
TOTAL LIGHTS						0.00
VI	3.3.1.6	SOCKET OUTLETS AND INSTALLATION MATERIAL				
65	3.3.1.6.1	Socket outlet 16A, 250V, 2P+PE	pcs	520.00		0.00
66	3.3.1.6.2	Double socket outlet 16 A 250 V, 2P+PE	pcs	210.00		0.00
67	3.3.1.6.3	Single-phase socket outlet (2P+PE), 16A, 250V with a lid	pcs	12.00		0.00
68	3.3.1.6.4	Three-phase socket outlet	pcs	5.00		0.00
69	3.3.1.6.5	On-wall socket outlets (2P+PE), 16A, 250V	pcs	21.00		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.1 Electric Power Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
70	3.3.1.6.6	Three phase on-wall socket outlets 16A, 400V	pcs	6.00		0.00
71	3.3.1.6.7	Operating plug-in set 6M	pcs	70.00		0.00
72	3.3.1.6.8	Operating plug-in set 4M	pcs	80.00		0.00
73	3.3.1.6.9	KIP socket	pcs	22.00		0.00
74	3.3.1.6.10	Power operating plug-in set 4M	pcs	160.00		0.00
75	3.3.1.6.11	Antenna operating plug-in set 2M	pcs	6.00		0.00
76	3.3.1.6.12	Operating plug-in set 2M	pcs	72.00		0.00
77	3.3.1.6.13	Mini distribution column	pcs	36.00		0.00
78	3.3.1.6.14	Lighting control system	pcs	1.00		0.00
79	3.3.1.6.15	Touch panel for the lighting control system	pcs	1.00		0.00
80	3.3.1.6.16	Indicator switching set 3M	pcs	4.00		0.00
81	3.3.1.6.17	On wall single pole switch	pcs	10.00		0.00
82	3.3.1.6.18	On wall serial switch	pcs	3.00		0.00
83	3.3.1.6.19	On wall two-way switch	pcs	2.00		0.00
84	3.3.1.6.20	Toilet aspirator	pcs	6.00		0.00
TOTAL-SOCKET OUTLETS AND INSTALLATION MATERIAL						0.00
VII	3.3.1.7	STAND BY POWER SUPPLY				
85	3.3.1.7.1	Concrete base for the Diesel-electric generating set	m ³	1.80		0.00
86	3.3.1.7.2	Diesel-electric generating set – the DEA 200kVA	pcs	1.00		0.00
TOTAL INSTALLATION OF THE STAND BY POWER SUPPLY						0.00
VIII	3.3.1.8	UPS				
87	3.3.1.8.1	UPS unit, 3-phase, 120kVA	pcs	1.00		0.00
88	3.3.1.8.2	Battery module cabinet	pcs	1.00		0.00
TOTAL INSTALLATION OF THE UNINTERRUPTIBLE POWER SUPPLY						0.00
IX	3.3.1.9	HEATING OF GUTTERS				
89	3.3.1.9.1	Heating section	m'	66.00		0.00
90	3.3.1.9.2	Plastic distancer for horizontal gutter sections	pcs	330.00		0.00
91	3.3.1.9.3	Plastic distancer for vertical gutter sections	pcs	40.00		0.00
92	3.3.1.9.4	Digital controller of snow and ice melting	pcs	1.00		0.00
93	3.3.1.9.5	Combined gutter sensor for detection of moisture and temperature	pcs	1.00		0.00
TOTAL-HEATING OF GUTTERS						0.00
X	3.3.1.10	LIGHTNING PROTECTION INSTALLATION				
94	3.3.1.10.1	Grounding	pcs	1.00		0.00
95	3.3.1.10.2	Main down conductors of galvanized steel strip	m'	59.00		0.00
96	3.3.1.10.3	ESE lightning rod, Δt=60μs	pcs	1.00		0.00
97	3.3.1.10.4	Lightning strike counter	pcs	1.00		0.00
98	3.3.1.10.5	Warning board "DANGER -- HIGH VOLTAGE!"	pcs	1.00		0.00
99	3.3.1.10.6	Earth lead	pcs	2.00		0.00
100	3.3.1.10.7	Test joint box	pcs	2.00		0.00
TOTAL-LIGHTNING PROTECTION INSTALLATION						0.00
XI	3.3.1.11	OTHER WORKS				
101	3.3.1.11.1	Metering and testing installations	LS	1.00		0.00
TOTAL-OTHER WORKS						0.00

I	DISMANTLING OF THE EXISTING POWER SUPPLY	0.00
----------	---	-------------

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.1 Electric Power Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
	II	POWER SUPPLY OF THE BUILDING			0.00	
	III	DISTRIBUTION BOARDS AND SWITCHBOARDS			0.00	
	IV	CABLES AND CABLE TRAYS			0.00	
	V	LIGHTS			0.00	
	VI	SOCKET OUTLETS AND INSTALLATION MATERIAL			0.00	
	VII	STAND BY POWER SUPPLY			0.00	
	VIII	UPS			0.00	
	IX	HEATING OF GUTTERS			0.00	
	X	LIGHTNING PROTECTION INSTALLATION			0.00	
	XI	OTHER WORKS			0.00	
	TOTAL ELECTRIC POWER INSTALLATIONS				0.00	

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.2 Telecommunication and Signalling Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.3.2.1	CENTRAL MONITORING				
1	3.3.2.1.1	Software licence for central monitoring and control of the technical protection systems	pcs	1.00		0.00
2	3.3.2.1.2	Licence for fire alarm system	pcs	1.00		0.00
3	3.3.2.1.3	Licence for the access control system	pcs	1.00		0.00
4	3.3.2.1.4	Licence for video surveillance system	pcs	1.00		0.00
5	3.3.2.1.5	Licence for anti-burglary system	pcs	1.00		0.00
6	3.3.2.1.6	Work station for the software of central monitoring and control of the technical protection systems	pcs	1.00		0.00
7	3.3.2.1.7	Programming of the fire alarm system and the software for graphical visualization and control	LS	1.00		0.00
8	3.3.2.1.8	Commissioning of the system, training of users of the system	LS	1.00		0.00
		TOTAL -CENTRAL MONITORING				0.00
II	3.3.2.2	ANTI-BURGLAR SYSTEM				
9	3.3.2.2.1	Anti-burglary Alarm Panel	pcs	1.00		0.00
10	3.3.2.2.2	Power supply 150W for control panel 220VAC/12VDC	pcs	1.00		0.00
11	3.3.2.2.3	LCD coder	pcs	1.00		0.00
12	3.3.2.2.4	I/O expansion module	pcs	14.00		0.00
13	3.3.2.2.5	Anti-burglar detector	pcs	60.00		0.00
14	3.3.2.2.6	Magnetic contact for doors	pcs	46.00		0.00
15	3.3.2.2.7	Glass break detector	pcs	14.00		0.00
16	3.3.2.2.8	Panic buttons	pcs	9.00		0.00
17	3.3.2.2.9	Alarm horn strobe	pcs	1.00		0.00
18	3.3.2.2.10	Cable J-H(St)H 2x2x0.8mm	m'	3,000.00		0.00
19	3.3.2.2.11	Cable J-H(St)H 5x2x0.8mm	m'	750.00		0.00
20	3.3.2.2.12	Cables S/FTP installation cable Cat 6a	m'	50.00		0.00
21	3.3.2.2.13	Cable N2XH 3x1.5mm ²	m'	150.00		0.00
22	3.3.2.2.14	Halogen-free ribbed hose dimensions Ø32/24mm	m'	1,500.00		0.00
24	3.3.2.2.15	Programming and commissioning of the entire system, manuals, training of users	LS	1.00		0.00
		TOTAL -ANTI-BURGLARY SYSTEM				0.00
III	3.3.2.3	FABRICATION OF ELECTRICAL INSTALLATIONS, SECURITY GUARD CONTROL SYSTEM				
25	3.3.2.3.1	Security guard control system	pcs	1.00		0.00
26	3.3.2.3.2	Control points	pcs	20.00		0.00
		TOTAL -SECURITY GUARD CONTROL SYSTEM				0.00
IV	3.3.2.4	TIME AND ATTENDANCE SYSTEM				
27	3.3.2.4.1	Time and attendance terminal	pcs	3.00		0.00
28	3.3.2.4.2	Software for time and attendance terminal	pcs	1.00		0.00
29	3.3.2.4.3	Server for the time and attendance software	pcs	1.00		0.00
		TOTAL - TIME AND ATTENDANCE SYSTEM				0.00
V	3.3.2.5	FABRICATION OF ELECTRICAL INSTALLATIONS FOR THE TIME AND ATTENDANCE SYSTEM				
30	3.3.2.5.1	Master clock	pcs	1.00		0.00
31	3.3.2.5.2	Local one-sided clock	pcs	17.00		0.00
32	3.3.2.5.3	Local double-sided clock	pcs	7.00		0.00
33	3.3.2.5.4	Cable J-H(St)H 2x2x0.8mm	m'	800.00		0.00
34	3.3.2.5.5	Cable N2XH 3x1.5mm ²	m'	800.00		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.2 Telecommunication and Signalling Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
35	3.3.2.5.6	Halogen-free ribbed hose, dimensions Ø32/24mm	m'	800.00		0.00
37	3.3.2.5.7	Programming and commissioning of the system, training of users, delivery of functional test certificate	LS	1.00		0.00
TOTAL - FABRICATION OF ELECTRICAL INSTALLATIONS FOR THE TIME AND ATTENDANCE SYSTEM						0.00
VI	3.3.2.6	VIDEO SURVEILLANCE SYSTEM				
38	3.3.2.6.1	Outdoor day/night compact camera	pcs	15.00		0.00
39	3.3.2.6.2	DOME anti-vandal day/night camera	pcs	25.00		0.00
40	3.3.2.6.3	Network video recorder (NVR)	pcs	1.00		0.00
41	3.3.2.6.4	Client station	pcs	1.00		0.00
42	3.3.2.6.5	Professional LED display envisaged for constant current operation	pcs	2.00		0.00
43	3.3.2.6.6	Monitor 27"	pcs	1.00		0.00
44	3.3.2.6.7	Cable S/FTP cat. 6a halogen-free	m'	2,500.00		0.00
45	3.3.2.6.8	Halogen-free ribbed hose, dimensions Ø20/13.5mm	pcs	1,500.00		0.00
46	3.3.2.6.9	Gigabit 8-port POE switch for connecting IP cameras	pcs	5.00		0.00
47	3.3.2.6.10	Gigabit 16-port POE switch for connecting IP cameras	pcs	3.00		0.00
48	3.3.2.6.11	IP dome "Day / Night" camera for indoor/outdoor installation	pcs	20.00		0.00
49	3.3.2.6.12	Programming and commissioning of the entire system	LS	1.00		0.00
TOTAL - VIDEO SURVEILLANCE SYSTEM						0.00
VII	3.3.2.7	COMPUTER NETWORKS				
50	3.3.2.7.1	Cable S/FTP cat. 6a halogen-free	m'	10,000.00		0.00
	3.3.2.7.2	Halogen-free flexible ribbed conduits				
51	3.3.2.7.2.1	Ø16mm	m'	3,500.00		0.00
52	3.3.2.7.2.2	Ø25 mm	m'	4,000.00		0.00
53	3.3.2.7.2.3	Ø34 mm	m'	2,000.00		0.00
54	3.3.2.7.3	Ceiling-mounted open cable tray, made of perforated steel sheet, additionally galvanized, for cable mounting, PCT 200/60 for medium loads, type MKS	m'	320.00		0.00
55	3.3.2.7.4	Modular single telecommunication socket with 1xRJ-45 module	pcs	87.00		0.00
56	3.3.2.7.5	Modular double telecommunication socket with 2xRJ-45 module	pcs	20.00		0.00
57	3.3.2.7.6	Modular triple telecommunication socket with 3xRJ-45 module	pcs	89.00		0.00
58	3.3.2.7.7	Wall mount 19" rack cabinet	pcs	6.00		0.00
59	3.3.2.7.8	Free-standing 19" rack cabinet, 33U	pcs	5.00		0.00
60	3.3.2.7.9	Free-standing 19" rack cabinet, 42U	pcs	2.00		0.00
61	3.3.2.7.10	Open frame Server Rack 58U	pcs	12.00		0.00
62	3.3.2.7.11	Modular patch panel	pcs	20.00		0.00
63	3.3.2.7.12	In rack cable tray for horizontal mounting of cables	pcs	40.00		0.00
64	3.3.2.7.13	Patch cables S/FTP, minimum category 6a, 1m length, LSOH	pcs	300.00		0.00
65	3.3.2.7.14	Patch cables S/FTP, minimum category 6a, 2m length, LSOH	pcs	200.00		0.00
66	3.3.2.7.15	Patch cables S/FTP, minimum category 6a, 3m length, LSOH	pcs	100.00		0.00
67	3.3.2.7.16	Patch cables S/FTP, minimum category 6a, 5m length, LSOH	pcs	200.00		0.00
68	3.3.2.7.17	IP telephony system for up to 150 users	pcs	1.00		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.2 Telecommunication and Signalling Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
69	3.3.2.7.18	IP telephone set color display	pcs	2.00		0.00
70	3.3.2.7.19	IP telephone set black and white display	pcs	1.00		0.00
71	3.3.2.7.20	IP telephone set black and white display minimum 3"	pcs	100.00		0.00
72	3.3.2.7.21	Analog gateway/adapter	pcs	1.00		0.00
73	3.3.2.7.22	24-port POE switch	psc	5.00		0.00
74	3.3.2.7.23	48-port POE switch	pcs	4.00		0.00
75	3.3.2.7.24	Layer 3 switch with 24 ports	pcs	2.00		0.00
76	3.3.2.7.25	Fiber optic cable with 8 fibers	m'	1,000.00		0.00
77	3.3.2.7.26	Fiber optic patch panel with 24xMM 50/125µm OM3 LC adapters	pcs	4.00		0.00
78	3.3.2.7.27	Fiber optic patch panel with 8xMM 50/125µm OM3 LC adapters	psc	11.00		0.00
79	3.3.2.7.28	Fiber optic patch cable 2x50/125µm OM3, 2m length	pcs	30.00		0.00
80	3.3.2.7.29	SFP optical module	pcs	16.00		0.00
81	3.3.2.7.30	Installation of software appliance on an industry standard server or a virtual machine for Cloud-based application	pcs	1.00		0.00
82	3.3.2.7.31	Wireless Access point	pcs	15.00		0.00
83	3.3.2.7.32	Firewall device	pcs	2.00		0.00
84	3.3.2.7.33	16 Port Console Server	pcs	9.00		0.00
85	3.3.2.7.34	Resilience Gateway	pcs	2.00		0.00
86	3.3.2.7.35	System for Rack monitoring	pcs	2.00		0.00
87	3.3.2.7.36	Network penta-scanning, categorization and issuance of the relevant minutes	pcs	1.00		0.00
TOTAL - COMPUTER NETWORKS						0.00
VIII	3.3.2.8	MULTIMEDIA SYSTEM				
88	3.3.2.8.1	S/FTP installation cable Cat6a	m'	5,000.00		0.00
89	3.3.2.8.2	Halogen free speaker cable	m'	250.00		0.00
90	3.3.2.8.3	Microphone cable	m'	100.00		0.00
91	3.3.2.8.4	Set of interconnect cables and connectors for the equipment	pcs	1.00		0.00
TOTAL - MULTIMEDIA SYSTEM						0.00
IX	3.3.2.9	SYSTEM FOR DISTRIBUTION OF RADIO AND TV SIGNAL				
92	3.3.2.9.1	Marking of cable routes	m'	10.00		0.00
93	3.3.2.9.2	Excavation and backfilling of a trench in Class 3 soil	m'	10.00		0.00
94	3.3.2.9.3	PVC protective pipes fi110mm	m'	20.00		0.00
95	3.3.2.9.4	Plastic warning tape	m'	10.00		0.00
96	3.3.2.9.5	Prefabricated concrete shaft 80x80x100cm (Length x Width x Height)	pcs	1.00		0.00
97	3.3.2.9.6	Geodetic surveying document on the surveyed route of cablings placed	m'	10.00		0.00
98	3.3.2.9.7	Polyester distribution cabinet of RO-KDS cable distribution system with the dimensions of 50x50x20mm	pcs	1.00		0.00
99	3.3.2.9.8	Polyester installation distribution cabinet of IRO-KDS cable distribution system, dimensions 20x20x20mm	pcs	3.00		0.00
100	3.3.2.9.9	IRO-KDS cable distribution system, dimensions 20x20x20mm	pcs	3.00		0.00
	3.3.2.9.10	Fabrication of antenna connection points				
101	3.3.2.9.10.1	Final antenna socket outlet for wall-mounting	pcs	22.00		0.00
102	3.3.2.9.10.2	Final antenna socket outlet for mounting in 4M modular set	pcs	5.00		0.00
103	3.3.2.9.10.3	Halogen-free coaxial cable RG 6	m'	700.00		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.2 Telecommunication and Signalling Installations

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
104	3.3.2.9.10.4	Halogen-free ribbed hose f20mm	m'	700.00		0.00
105	3.3.2.9.11	Testing of RTV installations	pcs	1.00		0.00
TOTAL - SYSTEM FOR DISTRIBUTION OF RADIO AND TV SIGNAL						0.00
X	3.3.2.10	ACCESS CONTROL SYSTEM				
106	3.3.2.10.1	Modular controller for access control	pcs	8.00		0.00
107	3.3.2.10.2	Controller expansion module for controlling 4 additional card readers	pcs	3.00		0.00
108	3.3.2.10.3	Contactless access control reader	pcs	36.00		0.00
109	3.3.2.10.4	Fail safe electric bolt lock for single door. Holding force: 3750N,	pcs	26.00		0.00
110	3.3.2.10.5	Fail safe electric bolt lock for double door. Holding force: 3750N	pcs	10.00		0.00
111	3.3.2.10.6	Push button for door opening with the key symbol made of plastic material	pcs	36.00		0.00
112	3.3.2.10.7	Digital contactless card	pcs	6.00		0.00
113	3.3.2.10.8	Cable J-H(St)H 2x2x0.8mm	m'	3,000.00		0.00
114	3.3.2.10.9	Cable J-H(St)H 5x2x0.8mm	m'	750.00		0.00
115	3.3.2.10.10	Cable S/FTP cat.6a	m'	50.00		0.00
116	3.3.2.10.11	Cable N2XH 3x1.5mm ²	m'	150.00		0.00
	3.3.2.10.12	Halogen-free ribbed hose				
117	3.3.2.10.12.1	Ø32mm	m'	500.00		0.00
118	3.3.2.10.12.2	Ø24mm	m'	1,000.00		0.00
119	3.3.2.10.13	Programming and commissioning of the entire system, manuals, training of users	LS	1.00		0.00
TOTAL ACCESS CONTROL SYSTEM						0.00

I	CENTRAL MONITORING	0.00
II	ANTI-BURGLAR SYSTEM	0.00
III	FABRICATION OF ELECTRICAL INSTALLATIONS, SECURITY GUARD CONTROL SYSTEM	0.00
IV	TIME AND ATTENDANCE SYSTEM	0.00
V	FABRICATION OF ELECTRICAL INSTALLATIONS FOR THE TIME AND ATTENDANCE SYSTEM	0.00
VI	VIDEO SURVEILLANCE SYSTEM	0.00
VII	COMPUTER NETWORKS	0.00
VIII	MULTIMEDIA SYSTEM	0.00
IX	SYSTEM FOR DISTRIBUTION OF RADIO AND TV SIGNAL	0.00
X	ACCESS CONTROL SYSTEM	0.00
TOTAL TELECOMMUNICATION AND SIGNALLING INSTALLATIONS		0.00

Judicial Academy
Vol. 3 - Section 3 - Electrical Engineering Technical Specifications
3.3.3 Automatic Fire Detection & Alarm System

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.3.3.1	FIRE DETECTION & ALARM SYSTEM				
	3.3.3.1.1	Fire Detection				
1	3.3.3.1.1.1	Fire detection panel	pcs	1.00		0.00
2	3.3.3.1.1.2	LCD 320x240pix color touch screen panel	pcs	1.00		0.00
3	3.3.3.1.1.3	Addressable Optical Smoke detector	pcs	167.00		0.00
4	3.3.3.1.1.4	Addressable Optical/Heat Detector	pcs	11.00		0.00
5	3.3.3.1.1.5	Universal base for the addressable fire detectors (optical, thermal, multisensory)	pcs	178.00		0.00
6	3.3.3.1.1.6	Plastic plates for marking the detectors.	pcs	178.00		0.00
7	3.3.3.1.1.7	Parallel indicator	pcs	19.00		0.00
8	3.3.3.1.1.8	Manual addressable fire call point	pcs	27.00		0.00
9	3.3.3.1.1.9	Fire modules for ventilation ducts	pcs	11.00		0.00
10	3.3.3.1.1.10	Addressable input/output module	pcs	7.00		0.00
11	3.3.3.1.1.11	Door holder	pcs	6.00		0.00
12	3.3.3.1.1.12	Power supply module 220V/24V, 3A	pcs	2.00		0.00
13	3.3.3.1.1.13	Alarm sirens 112 dB	pcs	21.00		0.00
	3.3.3.1.2	Cables and Installation				
14	3.3.3.1.2.1	Cable J-H(St)H 2x2x0.8mm	m'	2,200.00		0.00
15	3.3.3.1.2.2	Cable J-H(St)H 1x2x0.8mm	m'	19.00		0.00
16	3.3.3.1.2.3	Cable JH(St)H FE180/E30 2x2x0.8mm	m'	2,000.00		0.00
17	3.3.3.1.2.4	Cable NHXHX 3x1.5mm ² for connection of the fire alarm central control unit and the fire protection cabinet to the power supply source	m'	50.00		0.00
18	3.3.3.1.2.5	Halogen-free ribbed hoses, Ø32/24mm	m'	1,500.00		0.00
19	3.3.3.1.2.6	Fire-resistant perforated cable trays 100x50mmx2000mm	pcs	200.00		0.00
20	3.3.3.1.2.7	Fire-resistant clips	pcs	800.00		0.00
21	3.3.3.1.2.8	Fire-resistant materials for protection of cables and racks	kg	8.00		0.00
22	3.3.3.1.2.9	Fire protection coating	LS	1.00		0.00
23	3.3.3.1.2.10	Software licence and installation	pcs	1.00		0.00
	3.3.3.1.3	Commissioning				
24	3.3.3.1.3.1	Programming of operational parameters for operation of the central control unit, entry of data on users	LS	1.00		0.00
25	3.3.3.1.3.2	Start up of the system, preparing manuals, training of users, issuing of the functional test certificate	LS	1.00		0.00
		TOTAL - FIRE DETECTION & ALARM SYSTEM				0.00

I	FIRE DETECTION & ALARM SYSTEM	0.00
	TOTAL AUTOMATIC FIRE DETECTION & ALARM SYSTEM	0.00

Judicial Academy
Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.4.1	HEATING AND COOLING				
	3.4.1.1	Dismounting works on existing heating installation				
	3.4.1.1.1	Dismantling of steel pipelines				
1	3.4.1.1.1.1	Dimension Ø 21.3x2.00 mm	m'	750.00		0.00
2	3.4.1.1.1.2	Dimension Ø 26.9x2.00 mm	m'	650.00		0.00
3	3.4.1.1.1.3	Dimension Ø 33.7x2.00 mm	m'	250.00		0.00
4	3.4.1.1.1.4	Dimension Ø 42.4x2.00 mm	m'	150.00		0.00
5	3.4.1.1.1.5	Dimension Ø 48.3x2.00 mm	m'	95.00		0.00
6	3.4.1.1.1.6	Dimension Ø 60.3x2.00 mm	m'	55.00		0.00
	3.4.1.1.2	Dismantling of wrought iron radiator (19 tons)				
7	3.4.1.1.2.1	Height - 1100 mm - 3 columns (total sections - 498)	pcs	32.00		0.00
8	3.4.1.1.2.2	Height - 750 mm - 3 columns (total sections - 108)	pcs	7.00		0.00
9	3.4.1.1.2.3	Height - 650 mm - 3 columns (total sections - 1.446)	pcs	90.00		0.00
10	3.4.1.1.2.4	Height - 450 mm - 4 columns (total sections - 46)	pcs	3.00		0.00
11	3.4.1.1.2.5	Heating Registers - 3 columns - height - 1.2 m	pcs	18.00		0.00
	3.4.1.1.3	Dismantling of air handling units				
12	3.4.1.1.3.1	Attic level - AHU 900 m³/h	pcs	1.00		0.00
13	3.4.1.1.3.2	Attic level - exhaust ventilator 900 m³/h	pcs	1.00		0.00
14	3.4.1.1.3.3	Basement 2 - AHU 1.500 m³/h	pcs	1.00		0.00
15	3.4.1.1.4	Dismantling of ventilation ducts	kg	500.00		0.00
16	3.4.1.1.5	Dismantling of diesel generator unit	pcs	1.00		0.00
17	3.4.1.1.6	Dismantling of pipe exhaust of diesel generator unit	m'	35.00		0.00
18	3.4.1.1.7	Dismantling of expansion vessel - 50kg	pcs	1.00		0.00
		TOTAL - Dismounting works on existing heating installation				0.00
	3.4.1.2	Heating and Cooling Fan-coil Installation Works				
	3.4.1.2.1	Fan-Coil devices				
19	3.4.1.2.1.1	Type 1	pcs	2.00		0.00
20	3.4.1.2.1.2	Type 2	pcs	11.00		0.00
21	3.4.1.2.1.3	Type 3	pcs	137.00		0.00
22	3.4.1.2.2	Three-way thermostatic valve, 1/2" with actuator	pcs	150.00		0.00
23	3.4.1.2.3	Flexible 1/2" connections from stainless steel	pcs	150.00		0.00
24	3.4.1.2.4	Flexible connections for condensate drain, Ø20 mm, length 30 cm.	pcs	150.00		0.00
25	3.4.1.2.5	Accessories for hanging and connecting the fan coil units	pcs	150.00		0.00
	3.4.1.2.6	Thin wall steel pipes				
26	3.4.1.2.6.1	Dimension - DN25 - Ø28x1.5 mm	m'	110.00		0.00
27	3.4.1.2.6.2	Dimension - DN32 - Ø35x1.5 mm	m'	75.00		0.00
28	3.4.1.2.6.3	Dimension - DN40 - Ø42x1.5 mm	m'	85.00		0.00
29	3.4.1.2.6.4	Dimension - DN50 - Ø54x1.5 mm	m'	195.00		0.00
30	3.4.1.2.6.5	Dimension - DN60 - Ø64x2 mm	m'	175.00		0.00
31	3.4.1.2.6.6	Dimension - DN65 - Ø76.1x2 mm	m'	105.00		0.00
32	3.4.1.2.6.7	Dimension - DN80 - Ø88.9x2 mm	m'	88.00		0.00
33	3.4.1.2.6.8	Dimension - DN100 - Ø108x2 mm	m'	120.00		0.00
	3.4.1.2.7	Insulation for thin wall steel pipes				
34	3.4.1.2.7.1	Dimension - DN25 - Ø28x1.5 mm	m'	110.00		0.00
35	3.4.1.2.7.2	Dimension - DN32 - Ø35x1.5 mm	m'	75.00		0.00
36	3.4.1.2.7.3	Dimension - DN40 - Ø42x1.5 mm	m'	85.00		0.00
37	3.4.1.2.7.4	Dimension - DN50 - Ø54x1.5 mm	m'	195.00		0.00
38	3.4.1.2.7.5	Dimension - DN50 - Ø54x2 mm	m'	195.00		0.00
39	3.4.1.2.7.6	Dimension - DN60 - Ø64x2 mm	m'	175.00		0.00
40	3.4.1.2.7.7	Dimension - DN65 - Ø76.1x2 mm	m'	105.00		0.00
41	3.4.1.2.7.8	Dimension - DN80 - Ø88.9x2 mm	m'	88.00		0.00
42	3.4.1.2.7.9	Dimension - DN100 - Ø108x2 mm	m'	120.00		0.00
	3.4.1.2.8	Cabinets of steel sheet				
43	3.4.1.2.8.1	Box concealed 750mm (for manifolds with 2.3 and 4 laps)	pcs	15.00		0.00

Judicial Academy
Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
44	3.4.1.2.8.2	Box concealed 900 mm (for manifolds with 5 laps)	pcs	10.00		0.00
45	3.4.1.2.8.3	Box concealed 1050 mm (for manifolds with 6 and 7 laps)	pcs	5.00		0.00
	3.4.1.2.9	Distributors for cooling and heating systems				
46	3.4.1.2.9.1	Distributor for 2 laps	pcs	1.00		0.00
47	3.4.1.2.9.2	Distributor for 3 laps	pcs	3.00		0.00
48	3.4.1.2.9.3	Distributor for 4 laps	pcs	12.00		0.00
49	3.4.1.2.9.4	Distributor for 5 laps	pcs	12.00		0.00
50	3.4.1.2.9.5	Distributor for 6 laps	pcs	4.00		0.00
51	3.4.1.2.9.6	Distributor for 7 laps	pcs	2.00		0.00
	3.4.1.2.10	Multi-layer PE-Xc/Al/PE-HD aluminium reinforced pipes				
52	3.4.1.2.10.1	Dimension - Ø16x2.0 mm	m'	366.00		0.00
53	3.4.1.2.10.2	Dimension - Ø20x2.3 mm	m'	2,720.00		0.00
54	3.4.1.2.11	Multi-layer PE-Xc cross-linked polyethylene pipes	m'	1,280.00		0.00
55	3.4.1.2.12	Floor heating pipes base	m ²	182.00		0.00
56	3.4.1.2.13	Edge insulation strip	m'	350.00		0.00
57	3.4.1.2.14	Profile for expansion joints	m'	25.00		0.00
58	3.4.1.2.15	Concrete additives for underfloor heating	kg	26.00		0.00
	3.4.1.2.16	Set of distributors and collectors for underfloor heating				
59	3.4.1.2.16.1	Set and return manifold 1", 2 laps	pcs	7.00		0.00
60	3.4.1.2.16.2	Set and return manifold 1", 3 laps	pcs	5.00		0.00
61	3.4.1.2.17	Clamping coupling ¾" eurocone	pcs	58.00		0.00
	3.4.1.2.18	Ball valves with cap				
62	3.4.1.2.18.1	Dimension - 1" - DN 25	pcs	24.00		0.00
63	3.4.1.2.18.2	Dimension - 2" - DN 50	pcs	68.00		0.00
64	3.4.1.2.19	Air-water reversible Heat pumps	pcs	2.00		0.00
65	3.4.1.2.20	Engagement of the auto crane	h	4.00		0.00
66	3.4.1.2.21	Heat Pumps substructure	kg	550.00		0.00
67	3.4.1.2.22	Charging Primary Heat pumps circuit	lit.	1,500.00		0.00
	3.4.1.2.23	Drilling of brick walls for installation pipes				
68	3.4.1.2.23.1	Ø 50 mm in brick walls d=50 cm	pcs	150.00		0.00
69	3.4.1.2.23.2	Ø 50 to 100 mm in brick walls d=50 cm	pcs	50.00		0.00
70	3.4.1.2.23.3	Up to Ø 50 mm in brick walls d=100 cm	pcs	50.00		0.00
71	3.4.1.2.23.4	Ø 50 to 100 mm in brick walls d=100 cm	pcs	20.00		0.00
72	3.4.1.2.23.5	Holes 100 x 250 mm in brick walls d=50 cm	pcs	25.00		0.00
73	3.4.1.2.23.6	Holes 100 x 250 mm in brick walls d=100 cm	pcs	25.00		0.00
	3.4.1.2.24	Drilling of brick vaults				
74	3.4.1.2.24.1	Ø 50 to 100 mm in structure d=100 cm	pcs	50.00		0.00
75	3.4.1.2.24.2	Holes 100 x 250 mm in structure d=100 cm	pcs	25.00		0.00
76	3.4.1.2.25	Cutting of brick walls d=50 cm for copper pipes installation	m'	55.00		0.00
77	3.4.1.2.26	Flushing of pipes with cold water	LS	1.00		0.00
78	3.4.1.2.27	Cold hydraulic pressure test	LS	1.00		0.00
79	3.4.1.2.28	Hot water hydraulic test	LS	1.00		0.00
80	3.4.1.2.29	Handing over of installations	LS	1.00		0.00
81	3.4.1.2.30	Finishing works	LS	1.00		0.00
82	3.4.1.2.31	Copies of "as built" drawings and documents	LS	1.00		0.00
83	3.4.1.2.32	Copies of user manuals for installed equipment	LS	1.00		0.00
		TOTAL - Heating and Cooling Fan-coil Installation Works				0.00
	3.4.1.3	Server room, UPS room - Air-conditioning installation, Gas Fire extinguishing system				
84	3.4.1.3.1	Chiller Unit	pcs	2.00		0.00
85	3.4.1.3.2	Installation and commissioning of Chiller Unit	pcs	2.00		0.00
86	3.4.1.3.3	Air-conditioning Unit for Server room - Type 1	pcs	2.00		0.00
87	3.4.1.3.4	Air-conditioning Unit for Server room - Type 2	pcs	1.00		0.00
88	3.4.1.3.5	Installation and commissioning of Air conditioning Units Type 1 and Type 2	pcs	3.00		0.00
89	3.4.1.3.6	Dehumidifier Unit for Server room	pcs	2.00		0.00

Judicial Academy
Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
90	3.4.1.3.7	Precision Air-conditioning Unit for Server room	pcs	1.00		0.00
91	3.4.1.3.8	Installation and commissioning of Air-conditioning Unit for Server room	pcs	1.00		0.00
92	3.4.1.3.9	Free-cooling air-conditioning unit with IP54 protection	pcs	1.00		0.00
	3.4.1.3.10	Ball valves				
93	3.4.1.3.10.1	Dimension - DN 80	pcs	6.00		0.00
94	3.4.1.3.10.2	Dimension - DN 50	pcs	9.00		0.00
95	3.4.1.3.10.3	Dimension - DN 25	pcs	3.00		0.00
	3.4.1.3.11	Strainers				
96	3.4.1.3.11.1	Dimension - DN 100	pcs	2.00		0.00
97	3.4.1.3.11.2	Dimension - DN 50	pcs	3.00		0.00
98	3.4.1.3.11.3	Dimension - DN 25	pcs	1.00		0.00
99	3.4.1.3.12	Non return valves DN 80	pcs	2.00		0.00
100	3.4.1.3.13	Expansion vessel V=80 litter	pcs	2.00		0.00
101	3.4.1.3.14	Safety valves of dimension DN25	pcs	2.00		0.00
	3.4.1.3.15	Thin wall steel pipe				
102	3.4.1.3.15.1	Dimension - Ø42x1.5 mm	m'	28.00		0.00
103	3.4.1.3.15.2	Dimension - Ø54x1.5 mm	m'	32.00		0.00
104	3.4.1.3.15.3	Dimension - Ø76.1x2 mm	m'	26.00		0.00
105	3.4.1.3.15.4	Dimension - Ø88.9x2 mm	m'	68.00		0.00
	3.4.1.3.16	Fasteners for cold pressing				
106	3.4.1.3.16.1	Elbow - Dimension Ø42 mm	pcs	20.00		0.00
107	3.4.1.3.16.2	Elbow - Dimension Ø76.1 mm	pcs	10.00		0.00
108	3.4.1.3.16.3	Elbow - Dimension Ø88.9 mm	pcs	16.00		0.00
109	3.4.1.3.16.4	Nipple - Dimension Ø42 mm	pcs	10.00		0.00
110	3.4.1.3.16.5	Nipple - Dimension Ø54 mm	pcs	20.00		0.00
111	3.4.1.3.16.6	Reducer - Dimension Ø54 / 42 mm	pcs	10.00		0.00
112	3.4.1.3.16.7	Reducer - Dimension Ø76.1 / 54 mm	pcs	4.00		0.00
113	3.4.1.3.16.8	Reducer - Dimension Ø42 / 5/4"	pcs	8.00		0.00
114	3.4.1.3.16.9	Reducer - Dimension Ø76.1 / 2"	pcs	4.00		0.00
115	3.4.1.3.16.10	Reducer - Dimension Ø88.9 / 3"	pcs	4.00		0.00
116	3.4.1.3.16.11	Tee - Dimension Ø54 / 42 / 54 mm	pcs	12.00		0.00
	3.4.1.3.17	Insulation for pipe network				
117	3.4.1.3.17.1	Dimension - Ø42x13 mm	m'	28.00		0.00
118	3.4.1.3.17.2	Dimension - Ø54x13 mm	m'	32.00		0.00
119	3.4.1.3.17.3	Dimension - Ø76.1x13 mm	m'	26.00		0.00
120	3.4.1.3.17.4	Dimension - Ø88.9x13 mm	m'	68.00		0.00
121	3.4.1.3.18	Set of distributors and collectors	pcs	1.00		0.00
122	3.4.1.3.19	Plastic pipes and fittings for condensate drain Ø32 mm	m'	40.00		0.00
123	3.4.1.3.20	Steel substructure for chillers on the roof	kg	2,500.00		0.00
124	3.4.1.3.21	Steel substructure for air-conditioning units	kg	250.00		0.00
125	3.4.1.3.22	Engagement of the auto crane	h	7.00		0.00
126	3.4.1.3.23	106 Litre Container	pcs	2.00		0.00
127	3.4.1.3.24	Gas Novec 1230	kg	142.00		0.00
128	3.4.1.3.25	Discharge Hose - 50 mm discharge hose	pcs	2.00		0.00
129	3.4.1.3.26	Supervisory Pressure Switch - special (close on fail) - 25bar	pcs	2.00		0.00
130	3.4.1.3.27	Solenoid Actuator	pcs	2.00		0.00
131	3.4.1.3.28	Manual Actuator	pcs	2.00		0.00
132	3.4.1.3.29	Discharge Pressure Switch	pcs	2.00		0.00
133	3.4.1.3.30	Nozzle	pcs	2.00		0.00
134	3.4.1.3.31	Door caution plate (no lock off), Manual Release Caution Plate	pcs	2.00		0.00
135	3.4.1.3.32	Steel weldless pipes (seamless pipe)	m'	20.00		0.00
136	3.4.1.3.33	Fittings for steel weldless pipes (seamless pipe)	pcs	1.00		0.00
137	3.4.1.3.34	Primary and finishing coat	kg	20.00		0.00
138	3.4.1.3.35	Fire alarm panel	pcs	2.00		0.00
139	3.4.1.3.36	Extinguishing module	pcs	2.00		0.00
140	3.4.1.3.37	Batteries 12V/17Ah	pcs	4.00		0.00
141	3.4.1.3.38	Fire detector	pcs	2.00		0.00

Judicial Academy
Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
142	3.4.1.3.39	Manual call point, conventional, activating	pcs	2.00		0.00
143	3.4.1.3.40	Manual call point, conventional, blocking	pcs	2.00		0.00
144	3.4.1.3.41	Signal panel reading GAS	pcs	2.00		0.00
145	3.4.1.3.42	Flashlight siren indoor/outdoor conventional, red	pcs	4.00		0.00
146	3.4.1.3.43	Electrical cabinet	pcs	2.00		0.00
147	3.4.1.3.44	Cable JH(St)H 2x2x0.8mm	m'	100.00		0.00
148	3.4.1.3.45	Cable NHXHX 3x1.5mm ²	m'	60.00		0.00
149	3.4.1.3.46	Cable NHXHX 2x1.5mm ² FE 180/E30	m'	80.00		0.00
150	3.4.1.3.47	Cable JE-H (St) H 2x2x0.8mm FE 180/E30	m'	100.00		0.00
151	3.4.1.3.48	Halogen free pipe	m'	100.00		0.00
152	3.4.1.3.49	Corrugated hose Ø18 halogen free	m'	100.00		0.00
153	3.4.1.3.50	Fastening clip	pcs	240.00		0.00
154	3.4.1.3.51	Ventilation systems (air extraction) from the Server room and UPS room	LS	2.00		0.00
155	3.4.1.3.52	Flushing of pipes with cold water in Server room	LS	1.00		0.00
156	3.4.1.3.53	Cold hydraulic pressure test in Server room	LS	1.00		0.00
157	3.4.1.3.54	Handing over of installations in Server room	LS	1.00		0.00
158	3.4.1.3.55	Finishing works for Server room	LS	1.00		0.00
159	3.4.1.3.56	Copies of "as built" drawings and documents for Server room	LS	1.00		0.00
160	3.4.1.3.57	Copies of user manuals for installed equipment in Server room	LS	1.00		0.00
TOTAL - Server room, UPS room - Air-conditioning installation, Gas Fire extinguishing system						0.00

		TOTAL HEATING AND COOLING			0.00
II	3.4.2	VENTILATION AND AIR CONDITIONING			
	3.4.2.1	Heat Recovery Unit			
161	3.4.2.1.1	Heat recuperator - type 1	pcs	2.00	0.00
162	3.4.2.1.2	Heat recuperator - type 2	pcs	3.00	0.00
163	3.4.2.1.3	Heat recuperator - type 3	pcs	7.00	0.00
164	3.4.2.2	Pre-Insulated Ducts	m ²	2,278.00	0.00
165	3.4.2.3	Insulated Flexible Aluminum Pipe	m'	1,250.00	0.00
	3.4.2.4	Galvanized Steel Plenum			
166	3.4.2.4.1	Dimension plenum 200x500x250 mm	pcs	42.00	0.00
167	3.4.2.4.2	Dimension plenum 600x600x250 mm	pcs	196.00	0.00
168	3.4.2.4.3	Dimension plenum 500x500x250 mm	pcs	36.00	0.00
169	3.4.2.4.4	Dimension plenum 1800x200x250 mm	pcs	21.00	0.00
170	3.4.2.5	Swirl Diffuser with Square Diffuser Face	pcs	196.00	0.00
171	3.4.2.6	Air Grille with Two Rows of Adjustable Horizontal/Vertical Profiled Blades	pcs	42.00	0.00
172	3.4.2.7	Weather-Resistant Louvers	pcs	36.00	0.00
173	3.4.2.8	Dampers for the Adjustment of Volume Flow Rates	pcs	192.00	0.00
174	3.4.2.9	Actuator for Volume Flow Rates Dampers	pcs	192.00	0.00
175	3.4.2.10	Slot Diffuser with One Different Number of Rows of Blades	pcs	21.00	0.00
176	3.4.2.11	Ventilation of Toilets – Axial Fan and PV Valve	pcs	48.00	0.00
	3.4.2.12	PVC Circular Ducts for Air Exhaust from Sanitary Blocks			
		Description			
177	3.4.2.12.1	Dimension - Ø200 mm	m'	150.00	0.00
178	3.4.2.12.2	Dimension - Ø150 mm	m'	150.00	0.00
179	3.4.2.12.3	Dimension - Ø100 mm	m'	250.00	0.00
180	3.4.2.13	Adjustment and Measuring of Parameters on Air Gratings	pcs	250.00	0.00
181	3.4.2.14	Handing Over of Installations for Ventilation and Air conditioning	LS	1.00	0.00
182	3.4.2.15	Finishing Works for Ventilation and Air conditioning	LS	1.00	0.00
183	3.4.2.16	Copies of "as built" Drawings and Documents	LS	1.00	0.00

Judicial Academy
Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
184	3.4.2.17	Copies of User Manuals for Installed Equipment for Ventilation and Air conditioning	LS	1.00		0.00
TOTAL VENTILATION AND AIR CONDITIONING						0.00
III	3.4.3	PASSENGER ELEVATORS				
185	3.4.3.1	Procurement, installation, testing of L1 passenger elevator	LS	1.00		0.00
186	3.4.3.2	Procurement, installation, testing of L2 passenger elevator	LS	1.00		0.00
TOTAL PASSENGER ELEVATORS						0.00
IV	3.4.4	THERMAL SUBSTATION				
	3.4.4.1	Dismounting works on existing equipment and installation in Thermal substation				
187	3.4.4.1.1	Dismantling works in existing thermal substation	LS	1.00		0.00
188	3.4.4.1.2	Transport to the landfill	LS	1.00		0.00
	3.4.4.2	Thermal substation Installation Works				
	3.4.4.2.1	Shut-off valve				
189	3.4.4.2.1.1	Dimension - DN 100/16	pcs	8.00		0.00
190	3.4.4.2.1.2	Dimension - DN 80/16	pcs	6.00		0.00
191	3.4.4.2.1.3	Dimension - DN 65/16	pcs	4.00		0.00
192	3.4.4.2.1.4	Dimension - DN 50/16	pcs	4.00		0.00
193	3.4.4.2.1.5	Dimension - DN 40/16	pcs	4.00		0.00
194	3.4.4.2.1.6	Dimension - DN 32/16	pcs	4.00		0.00
195	3.4.4.2.1.7	Dimension - DN 20/16	pcs	8.00		0.00
196	3.4.4.2.1.8	Dimension - DN 15/16	pcs	8.00		0.00
197	3.4.4.2.2	Ball valve	pcs	24.00		0.00
	3.4.4.2.3	Strainer				
198	3.4.4.2.3.1	Dimension - DN 100/16	pcs	2.00		0.00
199	3.4.4.2.3.2	Dimension - DN 80/16	pcs	2.00		0.00
200	3.4.4.2.3.3	Dimension - DN 65/16	pcs	4.00		0.00
201	3.4.4.2.3.4	Dimension - DN 50/16	pcs	4.00		0.00
202	3.4.4.2.3.5	Dimension - DN 40/16	pcs	4.00		0.00
203	3.4.4.2.3.6	Dimension - DN 32/16	pcs	4.00		0.00
204	3.4.4.2.3.7	Dimension - DN 20/16	pcs	8.00		0.00
205	3.4.4.2.3.8	Dimension - DN 15/16	pcs	8.00		0.00
206	3.4.4.2.4	Plate heat exchanger for hot water	pcs	1.00		0.00
207	3.4.4.2.5	Plate heat exchanger for cold water	pcs	1.00		0.00
	3.4.4.2.6	Lift type check valve with flanges				
208	3.4.4.2.6.1	Dimension - DN 65/16	pcs	8.00		0.00
209	3.4.4.2.6.2	Dimension - DN 80/16	pcs	4.00		0.00
210	3.4.4.2.6.3	Dimension - DN 100/16	pcs	2.00		0.00
211	3.4.4.2.7	Balancing valve 2 1/2"	pcs	8.00		0.00
	3.4.4.2.8	Pressure gauges				
212	3.4.4.2.8.1	Pressure gauges from 0-10 bar	pcs	6.00		0.00
213	3.4.4.2.8.2	Pressure gauges from 0-16 bar	pcs	6.00		0.00
	3.4.4.2.9	Thermometer in MS protection tube				
214	3.4.4.2.9.1	Temperature from 0-200 °C	pcs	6.00		0.00
215	3.4.4.2.9.2	Temperature from 0-130 °C	pcs	16.00		0.00
216	3.4.4.2.10	Collector and distributor	pcs	4.00		0.00
217	3.4.4.2.11	Circulation pump	pcs	6.00		0.00
218	3.4.4.2.12	Steel pipes	kg	3,800.00		0.00
219	3.4.4.2.13	Steel tubes cleaning and coating	LS	1.00		0.00
220	3.4.4.2.14	Thermal insulation - hot water	m ²	40.00		0.00
221	3.4.4.2.15	Thermal insulation - cold water	m ²	25.00		0.00
222	3.4.4.2.16	Complete automation of the thermal substation	LS	1.00		0.00
223	3.4.4.2.17	Heat energy flow-meter	pcs	1.00		0.00
224	3.4.4.2.18	Domestic water heat pumps with a build-in hot 300 l water tank	pcs	2.00		0.00
225	3.4.4.2.19	Flushing of pipes with cold water in the building	LS	1.00		0.00
226	3.4.4.2.20	Cold hydraulic pressure test of heating installations	LS	1.00		0.00

Judicial Academy Vol. 3 - Section 4 - Mechanical Engineering Technical Specifications						
No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
227	3.4.4.2.21	Hot water hydraulic test of heating installations	LS	1.00		0.00
228	3.4.4.2.22	Handing over of heating installations	LS	1.00		0.00
229	3.4.4.2.23	Finishing works - heating installations	LS	1.00		0.00
230	3.4.4.2.24	Copies of "as built" drawings and documents	LS	1.00		0.00
231	3.4.4.2.25	Copies of user manuals for installed equipment	LS	1.00		0.00
TOTAL THERMAL SUBSTATIONS						0.00

I	HEATING AND COOLING	0.00
II	VENTILATION AND AIR CONDITIONING	0.00
III	PASSENGER ELEVATORS	0.00
IV	THERMAL SUBSTATION	0.00
TOTAL MECHANICAL INSTALLATION		0.00

Judicial Academy
Vol. 3 - Section 5 - Technical Specifications for Furniture

No.	Ref. Number	Description of works	Unit	QTY	Unit price (EUR)	Amount (EUR)
(a)	(b)	(c)	(d)	(e)	(f)	(g=e*f)
I	3.5					
	3.5.1	CHAIRS				
1	3.5.1.1	Chair for cafeteria	pcs	33.00		0.00
2	3.5.1.2	Task chair star base	pcs	46.00		0.00
3	3.5.1.3	Speaker chair	pcs	21.00		0.00
4	3.5.1.4	Conference chair	pcs	234.00		0.00
5	3.5.1.5	Meeting chair	pcs	44.00		0.00
6	3.5.1.6	Waiting room chair	pcs	1.00		0.00
7	3.5.1.7	Conference sledge chair	pcs	21.00		0.00
8	3.5.1.8	Task chair for Director	pcs	1.00		0.00
9	3.5.1.9	Task chair	pcs	56.00		0.00
	3.5.2	TABLES, DESKS AND STANDS				
10	3.5.2.1	Table for cafeteria 80x80 cm	pcs	3.00		0.00
11	3.5.2.2	Reception desk 140x50 cm	pcs	1.00		0.00
12	3.5.2.3	Speaker table 160x60 cm	pcs	1.00		0.00
13	3.5.2.4	Speaker table 240x80 cm	pcs	5.00		0.00
14	3.5.2.5	Table for translators 160x60 cm	pcs	1.00		0.00
15	3.5.2.6	Desk with drawer 160x60 cm	pcs	43.00		0.00
16	3.5.2.7	Conference table round Ø200 cm	pcs	1.00		0.00
17	3.5.2.8	Auxiliary table courtroom 80x50 cm	pcs	4.00		0.00
18	3.5.2.9	Courtroom stand	pcs	1.00		0.00
19	3.5.2.10	Terrace table 120x60 cm	pcs	6.00		0.00
20	3.5.2.11	Club table 50x50 cm	pcs	21.00		0.00
21	3.5.2.12	Meeting table 240x100 cm	pcs	2.00		0.00
22	3.5.2.13	Classroom table 100x60 cm	pcs	34.00		0.00
23	3.5.2.14	Classroom table 120x60 cm	pcs	23.00		0.00
24	3.5.2.15	Kitchen console table	pcs	3.00		0.00
25	3.5.2.16	Meeting table 480x100 cm	pcs	1.00		0.00
26	3.5.2.17	Meeting table for Director 240x100 cm	pcs	1.00		0.00
27	3.5.2.18	Desk for Director 160x80 cm	pcs	1.00		0.00
	3.5.3	CABINETS AND SHELVES				
28	3.5.3.1	Office cabinet 90x45 cm	pcs	39.00		0.00
29	3.5.3.2	Office cabinet for Director 90x45 cm	pcs	1.00		0.00
30	3.5.3.3	Library cabinet 90x45 cm	pcs	17.00		0.00
31	3.5.3.4	Archive shelf 90x40 cm	pcs	16.00		0.00
	3.5.4	KITCHENS				
32	3.5.4.1	Kitchen 1	pcs	2.00		0.00
33	3.5.4.2	Kitchen 2	pcs	3.00		0.00
	3.5.5	OTHER ACCESSORIES				
34	3.5.5.1	Office hanger	pcs	43.00		0.00
35	3.5.5.2	Garbage bin	pcs	45.00		0.00
36	3.5.5.3	Advertising showcase	pcs	3.00		0.00
				TOTAL FURNITURE		0.00

I	TOTAL FURNITURE	0.00
	TOTAL FURNITURE	0.00