Setting up of the EU HOUSE

EUINFONET/SER/01/2023

Main Design for supply with works

SETTING UP OF THE EU HOUSE

05 SIGNAL AND TELECOMMUNICATION INSTALLATIONS

Belgrade, 08.12.2023

A project implemented by:

eptisa

5.2. TECHNICAL DOCUMENTATION

5.5 TECHNICAL DESCRIPTION

Furnishing with works on investment maintenance of the basement, gallery in

ground floor and first floor of the Progres building, 8-10 Zmaj Jovina Street, Belgrade for needs

EU HOUSE

5.5.1 Computer installation

For each workstation, 3 connection points are provided using the RJ 45 SFTP module

Floor 7a which are located in floor boxes and wall sockets. Connectors

on the wall, they are located in modular sockets of the appropriate size and are used for connection

computers, laptops or IP phones. Connections on the ceiling are intended for

connecting devices used for wireless signal transmission. To TV receivers in

in addition to the SFTP cable, an HDMI and a USB cable are also installed.

The storage closet is located in the technical room. The size of the closet is 42" and it is equipped

panel with fans, stove panels, inlets, power distributor and

shelves. For the connection between tables and televisions, it is placed next to the SFTP cable and a half

one HDMI and USB cable. The connection between the racks is an optical cable with 8 threads. Incoming cable for

internet is not the subject of this project and is provided by the selected distributor

signal. The SFTP cables are led from the REK to the connectors through a halogen-free rib

hose of suitable diameter. The connection between the lines is made with an optical cable with 8

nor with 2 HDMI cables.

5.5.2 Video security system

A video security system is provided inside the facility with the possibility that the investor

choose any type of camera, IP, HD... Recording and control equipment will be located

in a REK cabinet size 42". The size of the hard disks is such that it provides

storage of videos of at least 30 days, which is achieved by recording devices

which perform compression of records. There are 5 cameras in the basement, 4 on the ground floor, and

floor two. Installation cables are type SFTP Cat. 7 and RG 59 +2x1.5 mm2. Cameras

they should be equipped with IR lighting. The video security system will be connected to internet network.

5.5.3 Sound system

The sound system is provided in the basement and ground floor. It can be used for broadcast music and notifications. It is composed of speakers on the ceiling and on the floor. Link from the broadcasting device and the speaker is a LIHCH cable with a cross section of 2.5mm2. Active and passive equipment is located in the REK and the room for translators.

5.5.4 The anti-burglary system is intended to protect the entire building and consists of central unit, motion detector, glass break detector, coder and siren. The central unit of the system will be located in REK. Encoders will be located at the front door and at the information desk. The device is connected by a conductor JHSTH 3x2x0.8.

5.4. DRAWINGS

AV - LEGEND

	AV RACK 19''
xx.yy	Computer socket
	Display on a movable support
	ceiling speaker 100V /24 w
	audio controller
HDMI	HDMI-F socket
USB	USB-F socket
	S/FTP Cat. 7a kabl
	active fiber optic cable HDMI
	Aktivni USB ripiter kabl
	speaker with 12 drivers
	Subwoofer
	connection box with 8x HLR connectors
ANT	wireless microphone antenna
CONF PTZ	PTZ camera
DMX	connection for controlling DMH reflector
IC	ić radiator of the translation system

CLIENT: Delegation of the European Union to the Republic of Serbia 13 Milentija Popovica 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Igrajtović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations	DESIGNER ASSISTANTE:

DRAWING NAME:	Scale	Drawing No.	Date	Page No.
BASEMENT PLAN	1:100	124/23-T	11. 2023.	1

AV - LEGEND

	AV RACK 19''
XX.yy	Computer socket
	Display on a movable support
	ceiling speaker 100V /24 w
	audio controller
HDMI	HDMI-F socket
USB	USB-F socket
	S/FTP Cat. 7a kabl
	active fiber optic cable HDMI
	Aktivni USB ripiter kabl
	speaker with 12 drivers
	Subwoofer
	connection box with 8x HLR connectors
ANT	wireless microphone antenna
CONF PTZ	PTZ camera
DMX	connection for controlling DMH reflector
IC	ić radiator of the translation system

CLIENT: Delegation of the European Union to the Republic of Serbia Ul. Milentija Popovića 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentports of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Ignjatović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations	DESIGNER ASSISTANTE:
DRAWING NAME: GROUND FLOOR PLAN	Scale 1:100 / Drawing No. 124/23-T / Date 11. 2023. / Page No. 2

AV - LEGEND

	AV RACK 19''
xx.yy	Computer socket
	Display on a movable support
	ceiling speaker 100V /24 w
	audio controller
HDMI	HDMI-F socket
USB	USB-F socket
	S/FTP Cat. 7a kabl
	active fiber optic cable HDMI
	Aktivni USB ripiter kabl
	speaker with 12 drivers
	Subwoofer
	connection box with 8x HLR connectors
ANT	wireless microphone antenna
CONF PTZ	PTZ camera
DMX	connection for controlling DMH reflector
IC	iC radiator of the translation system

CLIENT: Delegation of the European Union to the Republic of Serbia Ul. Milentija Popovića 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
Investment maintenance and equipmentparts of the Progres facility and galleryUl. Žmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Igrgatović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations	DESIGNER ASSISTANTE:

DRAWING NAME:	Scale	Drawing No.	Date	Page No.
I FLOOR PLAN	1:100	124/23-T	11. 2023.	3

TIS - LEGENDA

	alarm siren
	motion sensor
	glass break sensor
	motion sensor 360"
	keyboard
AC	
	Barijera
	JHCSTJH kabl 3x2x0.8 mm
	optical smoke detector
DV	water detector

CLIENT: Delegation of the European Union to the Republic of Serbia I.B. Milentija Popovica 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Ignjatović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations – anti-burglary system	DESIGNER ASSISTANTE:
DRAWING NAME: BASEMENT PLAN	Scale 1:100 / Drawing No. 124/23-T / Date 11. 2023. / Page No. 4

TIS - LEGENDA

	alarm siren
	motion sensor
	glass break sensor
	motion sensor 360°
	keyboard
AC	
	Barijera
	JH(ST)H kabl 3x2x0.8 mm
	optical smoke detector
DV	water detector

a

CLIENT: Delegation of the European Union to the Republic of Serbia Ul. Milentija Popovića 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Ignjatović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations – anti–burglary system	DESIGNER ASSISTANTE:
DRAWING NAME: GROUND FLOOR PLAN	Scale: 1:100 · Drawing No.: 124/23-T · Date: 11. 2023. · Page No.: 5

TIS - LEGENDA

	alarm siren
	motion sensor
	glass break sensor
	motion sensor 360°
	keyboard
AC	
	Barijera
	JH(ST)H kabl 3x2x0.8 mm
	optical smoke detector
DV	water detector

CLIENT: Delegation of the European Union to the Republic of Serbia 18, Milentija Popovića 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and galerijili. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Igrpatrović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations – anti–burglary system	DESIGNER ASSISTANTE:

DRAWING NAME:	Scale	Drawing No.	Date	Page No.
GROUND FLOOR PLAN	1:100	124/23-T	11. 2023.	6

AV - LEGEND

	AV RACK 19''
XX.YY	Computer socket
	Display on a movable support
	ceiling speaker 100V /24 w
	audio controller
HDMI	HDMI-F socket
USB	USB-F socket
	S/FTP Cat. 7a kabl
	active fiber optic cable HDMI
	Aktivni USB ripiter kabl
	speaker with 12 drivers
	Subwoofer
	connection box with 8x HLR connectors
ANT	wireless microphone antenna
CONF PTZ	PTZ camera
DMX	connection for controlling DMH reflector
IC	ić radiator of the translation system

CLIENT: Delegation of the European Union to the Republic of Serbia Ul. Milentija Popovića 40, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and gallerylll. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Igrijatović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations– sound system	DESIGNER ASSISTANTE:
DRAWING NAME: BASEMENT PLAN	Scale: 1:100 · Drawing No.: 124/23-T · Date: 11. 2023. · Page No.: 7

AV - LEGEND

	AV RACK 19"
xx.yy	Computer socket
	Display on a movable support
	ceiling speaker 100V /24 w
	audio controller
HMI	HDMI-F socket
USB	USB-F socket
	S/FTP Cat. 6a kabl
	active fiber optic cable HDMI
	Aktivni USB ripiter kabl
	speaker with 12 drivers
	Subwoofer
	connection box with 8x HLR connectors
ANT	wireless microphone antenna
CONF PTZ	PTZ camera
DMX	connection for controlling DMH reflector
IC	ić radiator of the translation system

CLIENT: Delegation of the European Union to the Republic of Serbia, Ul. Milentija Popovića 9D, Novi Beograd	DESIGN TYPE: PROJECT FOR IMPLEMENTATION
TITL: Investment maintenance and equipmentparts of the Progres facility and gallery,Ul. Zmaj Jovina 8 –10, Belgrade	RESPONSIBLE DESIGNERT: Igrajtović Saša d.i.e. license number : 353 0271 15
PROJECT: 5. Project of telecommunications and signal installations– sound system	DESIGNER ASSISTANTE:

DRAWING NAME:	Scale	Drawing No.	Date	Page No.
GROUND FLOOR PLAN	1:100	124/23-T	11. 2023.	8

TIS - LEGENDA

	RACK 19"
XX-YY	Computer socket
	internal video surveillance camera
	HDMI-F socket
	USB-F socket
	S/FTP Cat. 7a kabl
	active fiber optic cable HDMI
	active USB ripiter kabl
	FO SM 12 vl.
	FO MM 8 vl.

CLIENT:
Delegation of the European Union to the Republic of Serbia
Ul. Milentija Popovica 40, Novi Beograd

DESIGN TYPE:
PROJECT FOR IMPLEMENTATION

TITL:
Investment maintenance and equipmentparts of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade

RESPONSIBLE DESIGNERT:
Ignjatović Saša d.i.e.
license number : 353 0271 15

PROJECT:
5. Project of telecommunications and signal installations– block diagram

DESIGNER ASSISTANTE:

DRAWING NAME:

Scale	Drawing No.	Date	Page No.
1:100	124/23-T	11. 2023.	9

AL 01.09
AL 01.07
AL 01.08
AL 01.06
AL 01.05
AL 01.03
AL 01.S1
TiS RACK 1
AL 01.01
AL 01.02
AL 01.04
Sprat
JHStH 3x2x0.8
AL T 0.01
AL 0.04
AL 0.05
AL 0.06
AL 0.07
AL 0.08
AL 0.S1
AL 0.01
AL 0.02
AL 0.03
AL 0.09
Prizemlje
AL S.06
AL S.04
AL S.05
AL S.S1
AL S.03
AL S.02
AL S.01
međuveze:
2x JHStH 3x2x0.8
TiS RACK 2
JHStH 3x2x0.8
Suteren
TIS - LEGEND
alarm siren
motion sensor
glass break sensor
motion sensor 360"
keyboard
AC
Barijera
JH(ST)H kabl 3x2x0.8 mm
optical smoke detector
DV
water detector
CLIENT:
Delegation of the European Union to the Republic of Serbia
Ul. Milentija Popovica 40, Novi Beograd
DESIGN TYPE:
PROJECT FOR IMPLEMENTATION
TITL:
Investment maintenance and equipmentparts of the Progres facility and galleryUl. Zmaj Jovina 8 –10, Belgrade
RESPONSIBLE DESIGNERT:
Ignjatović Saša d.i.e.
license number : 353 0271 15
PROJECT:
5. Project of telecommunications and signal installations–
Block diagram of burglar alarm
DESIGNER ASSISTANTE:
DRAWING NAME:
Scale 1:100
Drawing No. 124/23-T
Date 11. 2023.
Page No. 10

AV - LEGENDA

	Glavni RACK 19"
AV xx	Utičnica sa 1xRJ-45 Cat. 6a modulom xx - etaža (s - suteren, 00 - prizemlje, 01 - sprat), yy- broj utičnice
	Unutrašnja kamera video nadzora
	HDMI-F utičnica
	USB-F utičnica
	S/FTP Cat. 6a kabl
	Aktivni optički HDMI kabl
	Aktivni USB ripiter kabl
	FO SM 12 vl.
	FO MM 8 vl.
	LiHCH 2x1.5 mm2 / ili 2x2.5mm2
	Plafonski zvučnik 100V / 24W
	Nazidni zonski kontroler sa lokalnim audio ulazom
	Nazidni column zvučnik sa 12 drajvera
	Subwoofer - pod
	Priključna kutija sa 8x XLR konektora
	Multicore audio kabl sa 8 parica
	Antena bežičnog mikrofonskog sistema
	Antenski kabl RG58 C/U
	PTZ kamera konferencijskog sistema
	HD-SDI
	Priključak za DMX kontrolu reflektora
	HD-SDI
	IC radijator prevodilačkog sistema
	RG59 antenski 75 ohm- za IC radijatore prevodilačkog sistema