

**"PERGATITJA E PROJEKTIMIT DHE SUPERVIZIONIT TE
RIKONSTRUKSIONIT DHE RETROFITIT TE OBJEKTEVE TE LOTIT 1"
"SHKOLLA E MESME E BASHKUAR ISMET NANUSHI"**

PROJEKTI HIDROSANITAR

HYDROSANITARY PROJECT

**"PREPARATIONS OF THE DESIGNS AND SUPERVISION FOR
REPAIR AND RETROFITTING OF THE OBJECTS OF LOT I"
"ISMET NANUSHI JOINT HIGH SCHOOL"**

POROSITES / CLIENT



This Project is Funded by the
European Union



KONSULENT / CONSULTANT



"ARKIMADE"
urban planning
architectural design
interior design

LISTA E FLETEVE:

FU01 - SHENJAT DALLUESE TE PERGJITHSHME (SHQIP)

FU02 - SHENJAT DALLUESE TE PERGJITHSHME (ANGLISHT)

FU03 - PLANI I FURNIZIMIT ME UJE NE PODRUM

FU04 - PLANI I FURNIZIMIT ME UJE NE KATIN PERDHE

FU05 - PLANI I FURNIZIMIT ME UJE NE KATIN E PARE

FU06 - PLANI I FURNIZIMIT ME UJE NE KATIN E DYTE

FU07 - PLANI I FURNIZIMIT ME UJE NE KATIN E TRETE

FU08 - PLANI I VENDOSJES SE PANELEVE DIELORE NE TARACE

FU09 - SKEMA PRINCIPALE E UJESJELLESIT

FU10 - DEPOJA E GRUMBULLIMIT TE UJIT

FU11 - DEPOJA E GRUMBULLIMIT, PRERJET

SH01 - LIDHJA ME RRJETIN KRYESOR TE SHKARKIMEVE PER KUZ

SH02 - PLANI I SHKARKIMIT TE UJERAVE TE ZEZA NE KATIN PERDHE

SH03 - PLANI I SHKARKIMIT TE UJERAVE TE ZEZA NE KATIN E PARE

SH04 - PLANI I SHKARKIMIT TE UJERAVE TE ZEZA NE KATIN E DYTE

SH05 - PLANI I SHKARKIMIT TE UJERAVE TE ZEZA NE KATIN E TRETE

SH06 - SKEMA E SHKARKIMIT TE UJERAVE TE ZEZA

SH07 - PLANI I SHKARKIMIT TE UJERAVE TE SHIUT

SH08 - DEPOJA E GRUMBULLIMIT TE UJERAVE TE SHIUT

SH09 - DEPOJA E GRUMBULLIMIT TE UJERAVE TE SHIUT ,PRERJET/ARMIMI

SHEET LIST:

FU01 - GENERAL DISTINGUISHING SIGNS (ALBANIA)

FU02 - GENERAL DISTINGUISHING SIGNS (ENGLISHT)

FU03 - BASEMENT WATER SUPPLY PLAN

FU04 - GROUND FLOOR WATER SUPPLY PLAN

FU05 - FIRST FLOOR WATER SUPPLY PLAN

FU06 - SECOND FLOOR WATER SUPPLY PLAN

FU07 - THIRD FLOOR WATER SUPPLY PLAN

FU08 - PLAN OF SOLAR PANELS ON THE TERACE

FU09 - PRINCIPAL WATER SUPPLY SCHEME

FU10 - WATER COLLECTION DEPOT

FU11 - WATER COLLECTION DEPOT, SECTIONS

SH01 - CONNECTION TO THE MAIN DISCHARGE NETWORK

SH02 - GROUND FLOOR WATER DISCHARGE PLAN

SH03 - FIRST FLOOR WATER DISCHARGE PLAN

SH04 - SECOND FLOOR WATER DISCHARGE PLAN

SH05 - THIRD FLOOR WATER DISCHARGE PLAN

SH06 - SEWAGE DISCHARGE SCHEME

SH07 - RAINWATER DRAINING PLAN

SH08 - RAINWATER COLLECTION DEPOT

SH09 - RAINWATER COLLECTION DEPOT SECTIONS/REINFORCEMENT

SHENJAT DALLUESE TE PERGJITHSHME

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAJ
Nr.Lic.H/T.0130/3

PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
SHENJAT E PERGJITHSHME
DALLUESE
GENERAL DISTINGUISHING SIGNS

SHKALLA:
SCALE:
GUSHT 2020
AUGUST 2020

NR.FLETES / DRAWING No.

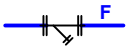
FU-01

VULA / STAMP

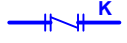
TUBI I UJIT TE FTOHTE
TUBI I UJIT TE NGROHTE
TUBI I HIDRANTIT TE ZJARRIT



SARAÇINESKE



FILTER MEKANIK



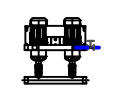
KONDRAVALVOL



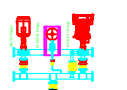
MATES UJI



ELEKTROPOMPE E THJESHTE



ELEKTROPOMPE BINJAKE



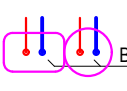
ELEKTROPOMPE TRESHE
PER HIDRANTIN E ZJARRIT



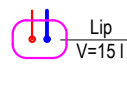
TUBI I PANELIT DIELLOR, DERGIM



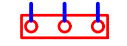
TUBI I PANELIT DIELLOR, KTHIM



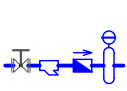
BOILER HIDROSANITAR
(horizontal dhe vertikal)



LILIPUT HIDROSANITAR



KOLEKTOR UJI (ÇELIKU)



GRUP FURNIZIMI ME UJE,
PER KALDAJEN



AUTOKLAVE PRESIONI, UJI



GALIXHANT MEKANIK PER
NIVELIN E SIPERM TE UJIT



GALIXHANT HIDROSANITAR PER
NIVELIN E POSHTEM TE UJIT



KOLEKTORI I UJIT TE
FTOHTE



KOLEKTORI I UJIT TE
NGROHTE



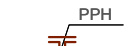
TUBI I KANALIZIMIT
TE UJRAVE TE ZEZA



TUBI I AJRIMIT TE
ANEKSEVE TE GATIMIT



TUBI I VENTILIMIT TE
NYJEVE SANITARE



PJESE PASTRIMI HORIZONTAL



PJESE PASTRIMI VERTIKALE



KAPUÇ AJRIMI HORIZONTAL,
VENDOSSET 1 m MBI TARRACE



KUOTA E TOKES SE SISTEMUAR



PILETE DYSHEMEJE



NUMRI I KOLLONES SE
KANALIZIMIT



NUMRI I KOLLONES SE VENTILIMIT
TE NYJEVE SANITARE



NUMRI I KOLLONES SE AJRIMIT
TE ANEKSEVE TE GATIMIT



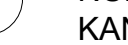
TUBI I UJIT PER GODINEN



TUBI I HIDRANTIT TE ZJARRIT



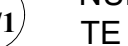
TUBI UJI REZERVE



TUB UJI QE FURNIZON BOILERIN
E UJIT TE NGROHTE V=..... litra



TUB UJI QE FURNIZON
PANELIN DIELLOR NE ÇATI



TUBI I UJIT QE FURNIZON
APARATIN E CHILLERIT

TUBI I DERGIMIT KOLEKTOR - RADIATOR

TUBI I KTHIMIT RADIATOR-KOLEKTOR

TUBI I DERGIMIT KALDAJE KOLEKTOR

TUBI I KTHIMIT KOLEKTOR KALDAJE



KOLEKTOR KOMPLANAR



PAJISJE E BRENDESHME
- TIPI "FAN COIL" NE DYSHEME
(aparatur Fan-Coil)



APARAT RADIATORI
(shkallare per nyjet sanitare)



TUBI I KOLLONES SE NGROHJES
KALDAJE-KOLEKTOR-KALDAJE



KANAL PER TUBAT E NGROHJES



KANAL PER TUBAT E NGROHJES



KANAL PER TUBAT E NGROHJES



KANAL PER TUBAT E NGROHJES



PJESE BRENDA E APARATIT
TE KONDICIONERIT



PJESE JAShte E APARATIT
TE KONDICIONERIT



LAVAMAN



LAVAPJATE



PJATE DUSHI



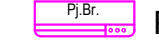
VASKE BANJE



BIDE



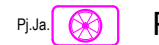
Wc- ALLA FRANGA



PISUAR



LAVASTOVLJE



LAVATRIÇE



LAVANDERI

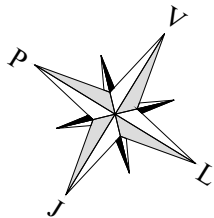
GENERAL DISTINGUISHING SIGNS

	COLD WATER PIPE
	HOT WATER PIPE
	FIRE HYDRANT TUBE
	VALVES
	MECHANICAL FILTER
	AGAINST VALVES
	WATER MATES
	SIMPLE ELECTRO PUMP
	TWIN ELECTRO PUMP
	THIRD ELECTRIC PUMP FOR FIRE HYDRANT
	SOLAR PANEL TUBE, DELIVERY
	SOLAR PANEL TUBE, RETURN
	HYDROSANITAR BOILERS (horizontal and vertical)
	LILIPUT HYDROSANITAR
	WATER COLLECTOR (STEEL)
	WATER SUPPLY GROUP, FOR THE BOILER
	AUTOCLAVE PRESSURE, WATER
	MECHANICAL GALIJANT FOR THE UPPER WATER LEVEL
	HYDROSANITARY GALIXHAN FOR LOWER WATER LEVEL
	COLD WATER COLECTOR
	HOT WATER COLECTOR

	SEWER PIPE OF WASTEWATER
	AIR CONDITIONING TE COOKING ANNEXES
	VENTILATION PIPE OF SANITARY NIGHTS
	HORIZONTAL CLEANING PARTS
	VERTICAL CLEANING PARTS
	HORIZONTAL AIR HOOD, LOCATED 1 m ON THE TARRACE
	SYSTEMATED LAND QUOTA
	FLOOR CHICKENS
	COLUMN NUMBER OF WASTEWATER
	VENTILATION COLUMN NUMBER OF SANITARY NOVES
	AIR COLUMN NUMBER OF COOKING ANNEXES
	WATER PIPE FOR THE OBJECT
	FIRE HYDRANT TUBE
	WATER TUBES RESERVES
	WATER TUBE THAT SUPPLIES THE BOILER OF WATER WATER V = liters
	SUPPLY WATER TUBE SOLAR PANEL ON THE ROOF
	WATER PIPE THAT SUPPLIES CHILLER APPARATUS

	COLLECTOR DELIVERY TUBE - RADIATOR
	RADIATOR-COLLECTOR RETURN TUBE
	BOILER DELIVERY COLLECTOR COLLECTOR
	BOILERS COLLECTOR RETURN TUBE
	COMPLEX COLLECTOR
	INTERIOR EQUIPMENT - "FAN COIL" TYPE ON FLOORS (Fan-Coil apparatus)
	RADIATOR APPARATUS (stairs for sanitary facilities)
	HEATING COLUMN TUBE
	BOILER-COLLECTOR-BOILERS
	CHANNEL FOR HEATING PIPES I-I => 300mm
	CHANNEL FOR HEATING PIPES II-II => 400mm
	CHANNEL FOR HEATING PIPES III-III => 500mm
	APPLIANCE CONNECTION TUBE TO THE AIR CONDITIONER
	PART INSIDE THE APPARATUS TO THE AIR CONDITIONER
	PART OUTSIDE THE APPARATUS TO THE AIR CONDITIONER
	SINK
	SINK
	SHOWER DISH
	VABATHROOM
	BIDET
	TRADITIONAL WC
	PISUAR
	DISHWASHER
	WASHING MACHINE
	LAUNDRY

PLANI I FURNIZIMIT ME UJE NE PODRUM
BASEMENT FLOOR WATER SUPPLY PLAN



LEGJENDA / LEGEND:

- Tubacionet e shperndarjes se ujit te ftohte sanitar
Materiali: Tubacione polietileni PE-X, tipi 315
Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
Material: PE-X polyethylene pipes, type 315
Norm: UNI 9338 or UNI 8318
- Tubacionet e shperndarjes se ujit te ngrohte sanitar
Materiali: Tubacione polietileni PE-X, tipi 315, te termoizoluara
Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
Material: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
Materiali: Tubacione celiku te zinkuar (te termoizoluara)
- Sanitary cold water supply columns
Material: Galvanized steel pipes (thermally insulated)
- Boiler i ujit sanitar (numri tregon kapacitetin e boilerit)
- Sanitary water boiler (number indicates boiler capacity)
- Rubinët mishelator
- Mixer faucet
- Kolektor i shperndarjes
- Distribution collector

Shenim Teknik:

- Te gjithë instalimet e sistemit te furnizimit me uje sanitar do te jene me tuba HDPE ne pjesen e jashtme apo te brendeshme te shkolles te cilat instalohen ne toke;
- Te gjitha instalimet e tubave qe do te behen neper banjo do te behen me tuba PE-X.
- I gjithë instalimi i tubave te ujit sanitar (ngrohte/ftohte) brenda ambienteve te shkolles do te vishen me termoizolim $\delta = 6$ mm;
- Te gjithë lavamanet, etj, do te pajisen me mishelator aty ku ka furnizim me uje te ngrohte dhe aty ku ka vetem furnizim me uje te ftohte te instalohen grup vetem me nje dalje (kjo nuk nenkupton qe do instalohen rubineta uji te thjeshta);
- Ne te gjithë WC-te jane instaluar valvula per bllokimin e ujit ne rast sherbimi apo demtimi, ne menyre qe te behet e mundur ndalimi i menjehershëm i ujit;
- Testimi i lidhjeve me presim te behet ne baze te normave dhe standardeve ne fuqi, bazur ne metodologjin e testimit e cila duhet te perpilohet nga kontraktori dhe miratohet nga supervizori para fillimit te ç'do lloj testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6$ mm;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

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Nr.Lic.A.0831/3

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Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
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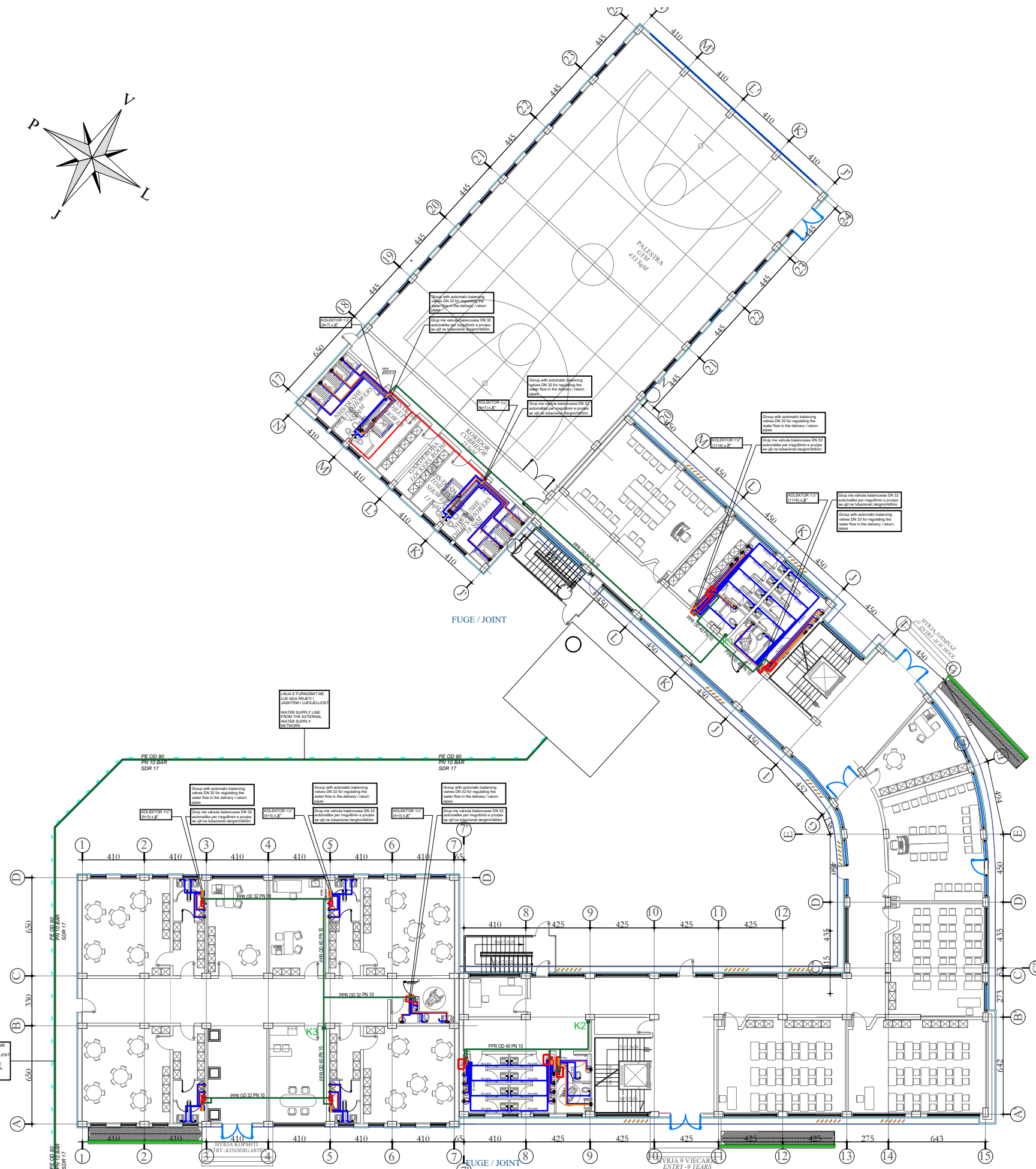
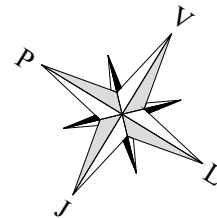
PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I FURNIZIMIT ME UJE NE PODRUM
BASEMENT FLOOR WATER SUPPLY PLAN

SHKALLA: 1:200
SCALE: 1:200
GUSHT 2020
AUGUST 2020
NR.FLETES / DRAWING No.
F0-03

VULA / STAMP

PLANI I FURNIZIMIT ME UJE NE KATIN PERDHE
GROUND FLOOR WATER SUPPLY PLAN



LEGJENDA / LEGEND:

- Tubacionet e shpërndarjes së ujit te ftohje sanitar
- Material: Tubacione polietileni PE-X, tipi 315
- Norma: UNI 9338 ose UNI 8318
 - Sanitary cold water distribution pipes
 - Material: PE-X polyethylene pipes, type 315
 - Norm: UNI 9338 or UNI 8318
- Tubacionet e shpërndarjes së ujit te ngrohje sanitar
- Material: Tubacione polietileni PE-X, tipi 315, te fermizoluara
- Norma: UNI 9338 ose UNI 8318
 - Sanitary hot water distribution pipes
 - Material: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
- Material: Tubacione celike te zinkuar (te fermizoluara)
- Sanitary cold water supply columns
- Material: Galvanized steel pipes (thermally insulated)
- Boiler i ujit sanitar (numri tregon kapacitetin e boilerit)
- Sanitary water boiler (number indicates boiler capacity)
- Rubinët mishelator
- Mixer faucet
- Kolektor i shpërndarjes
- Distribution collector

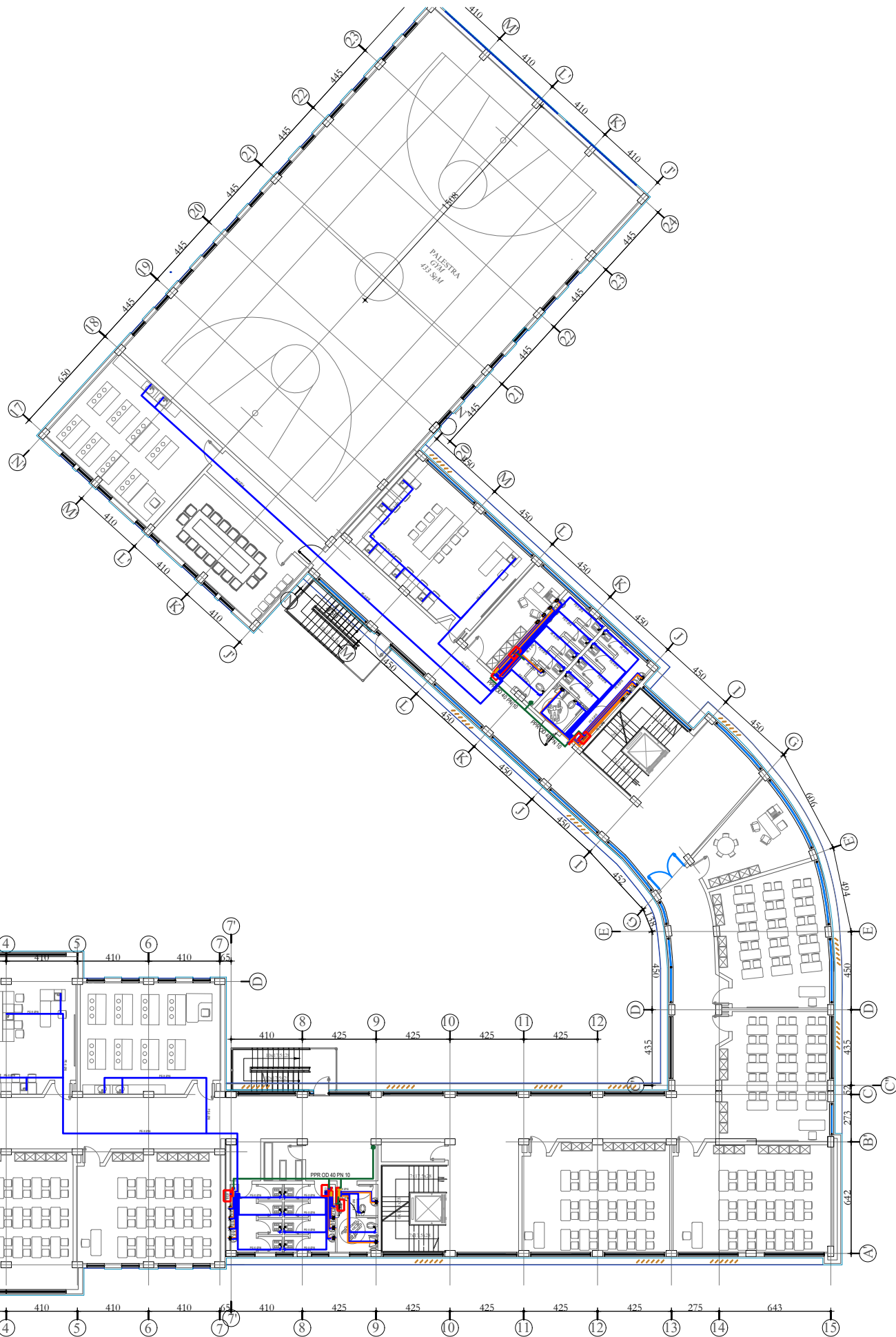
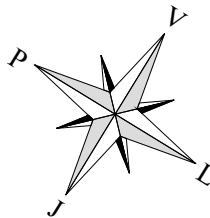
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- Te gjitha instalimet e tubave që do të behen neper banjo do të behen me tuba PE-X.
- I gjithë instalimi i tubave të ujit sanitar (ngrohje/ftohje) brenda ambienteve të shkollës do të vishen me termoizolim $\delta = 6 \text{ mm}$;
- Te gjithë lavamanet, etj, do të pajisen me mishelator aty ku ka furnizim me ujë të ngrohtë dhe aty ku ka vetëm furnizim me ujë të ftohtë të instalohen grup vetëm me një dalje (kjo nuk nënkupton që do instalohen rubinetat uji të thjeshta);
- Në te gjithë WC-të janë instaluar valvula për bllokimin e ujit në rast shërbimi apo dëmtimi, në mënyrë që të behet e mundur ndalimi i menjëhershëm i ujit;
- Testimi i lidhjeve me presim të behet në baza të normave dhe standardeve në fuqi, bazur në metodologjinë e testimit e cila duhet të përpilohet nga kontraktori dhe miratohet nga supervisorin para fillimit të ç'do lloji testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
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- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
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- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

PLANI I FURNIZIMIT ME UJE NE KATIN E PARE
FIRST FLOOR WATER SUPPLY PLAN



LEGJENDA / LEGEND:

- Tubacionet e shperndarjes se ujit te ftohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315
Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
Materiali: PE-X polyethylene pipes, type 315
Norm: UNI 9338 or UNI 8318
- Tubacionet e shperndarjes se ujit te ngrohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315, te termoizoluara
Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
Materiali: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
Materiali: Tubacione celiku te zinkuar (te termoizoluara)
- Sanitary cold water supply columns
Materiali: Galvanized steel pipes (thermally insulated)
- Boiler i ujit sanitar (numri tregon kapacitetin e boilerit)
- Sanitary water boiler (number indicates boiler capacity)
- Rubinet mishelator
- Mixer faucet
- Kolektor i shperndarjes
- Distribution collector

Shenim Teknik:

- Te gjithë instalimet e sistemit te furnizimit me uje sanitar do te jene me tuba HDPE ne pjesen e jashtme apo te brendeshme te shkolles te cilat instalohen ne toke;
- Te gjitha instalimet e tubave qe do te behen neper banjo do te behen me tuba PE-X.
- I gjithë instalimi i tubave te ujit sanitar (ngrohte/ftohte) brenda ambienteve te shkolles do te vishen me termoizolim $\delta = 6 \text{ mm}$;
- Te gjithë lavamanet, etj, do te pajisen me mishelator aty ku ka furnizim me uje te ngrohte dhe aty ku ka vetem furnizim me uje te ftohte te instalohen grup vetem me nje dalje (kjo nuk nenkupton qe do instalohen rubineta uji te thjeshta);
- Ne te gjithë WC-te jane instaluar valvula per bllokimin e ujit ne rast sherbimi apo dentimi, ne menyre qe te behet e mundur ndalimi i menjehershëm i ujit;
- Testimi i lidhjeve me presim te behet ne baze te normave dhe standardeve ne fuqi, bazur ne metodologjin e testimit e cila duhet te perpihet nga kontraktori dhe miratohet nga supervizori para fillimit te ç'do lloj testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6 \text{ mm}$;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURES
DURES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

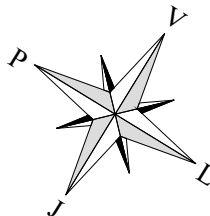
PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I FURNIZIMIT ME
UJE NE KATIN E PARE
FIRST FLOOR WATER SUPPLY PLAN

SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020
NR.FLETES / DRAWING No.
FU-05

VULA / STAMP

PLANI I FURNIZIMIT ME UJE NE KATIN TE DYTE
SECOND FLOOR WATER SUPPLY PLAN



LEGJENDA / LEGEND:

- Tubacionet e shperndarjes se ujit te ftohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315
Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
Material: PE-X polyethylene pipes, type 315
Norm: UNI 9338 or UNI 8318
- Tubacionet e shperndarjes se ujit te ngrohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315, te termoizoluara
Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
Material: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
Materiali: Tubacione celiku te zinkuar (te termoizoluara)
Material: Galvanized steel pipes (thermally insulated)
- Boiler i ujit sanitar (numri tregon kapacitetin e boilerit)
Sanitary water boiler (number indicates boiler capacity)
- Rubinet mishelator
Mixer faucet
- Kolektor i shperndarjes
Distribution collector

Shenim Teknik:

- Te gjitha instalimet e sistemit te furnizimit me uje sanitar do te jene me tuba HDPE ne pjesen e jashtme apo te brendeshme te shkolles te cilat instalohen ne toke;
- Te gjitha instalimet e tubave qe do te behen neper banjo do te behen me tuba PE-X.
- I gjithë instalimi i tubave te ujit sanitar (ngrohte/ftohte) brenda ambienteve te shkolles do te vishen me termoizolim $\delta = 6$ mm;
- Te gjithë lavamanet, etj, do te pajisen me mishelator aty ku ka furnizim me uje te ngrohte dhe aty ku ka vetem furnizim me uje te ftohte te instalohen grup vetem me nje dalje (kjo nuk nenkupton qe do instalohen rubineta uji te thjeshta);
- Ne te gjithë WC-te jane instaluar valvula per bllokimin e ujit ne rast sherbimi apo demtimi, ne menyre qe te behet e mundur ndalimi i menjehershëm i ujit;
- Testimi i lidhjeve me presim te behet ne baze te normave dhe standardeve ne fuqi, bazur ne metodologjin e testimit e cila duhet te perpiqet nga kontraktori dhe miratohet nga supervisorin para fillimit te çdo lloj testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6$ mm;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITIA E PROJEKTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

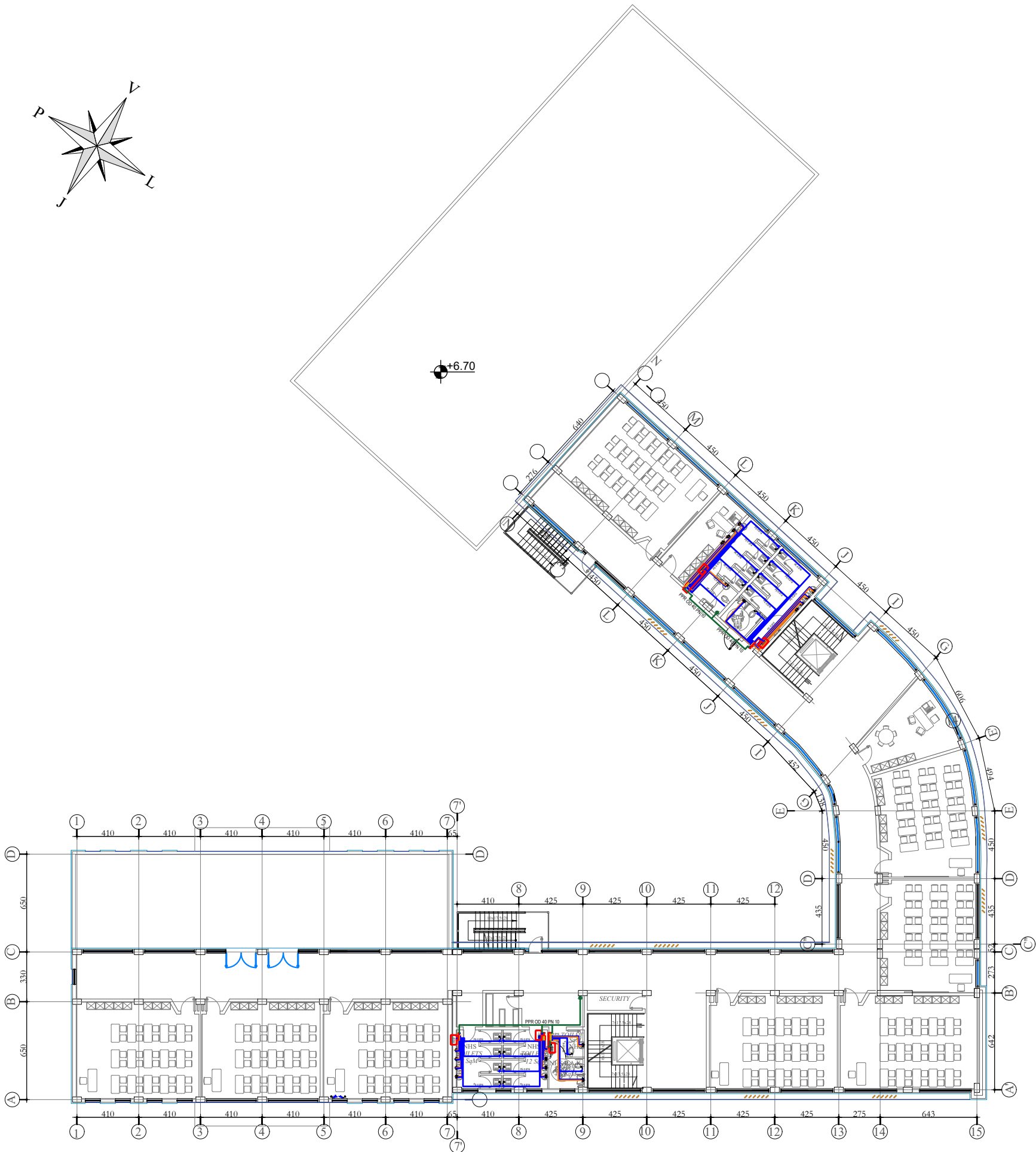
PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I FURNIZIMIT ME UJE NE
KATIN E DYTE
SECOND FLOOR WATER SUPPLY PLAN

SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020
NR.FLETES / DRAWING No.
FV-06

VULA / STAMP

PLANI I FURNIZIMIT ME UJE NE KATIN TE TRETE
THIRD FLOOR WATER SUPPLY PLAN



LEGJENDA / LEGEND:

- Tubacionet e shperndarjes se ujit te ftohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315
Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
Material: PE-X polyethylene pipes, type 315
Norm: UNI 9338 or UNI 8318
- Tubacionet e shperndarjes se ujit te ngrohte sanitar
Materiali: Tubacione polietilene PE-X, tipi 315, te termoizoluara
Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
Material: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
Materiali: Tubacione celiku te zinkuar (te termoizoluara)
- Sanitary cold water supply columns
Material: Galvanized steel pipes (thermally insulated)
- Boiler i ujit sanitar (numri tregon kapacitetin e boilerit)
- Sanitary water boiler (number indicates boiler capacity)
- Rubinet mishelator
- Mixer faucet
- Kolektor i shperndarjes
- Distribution collector

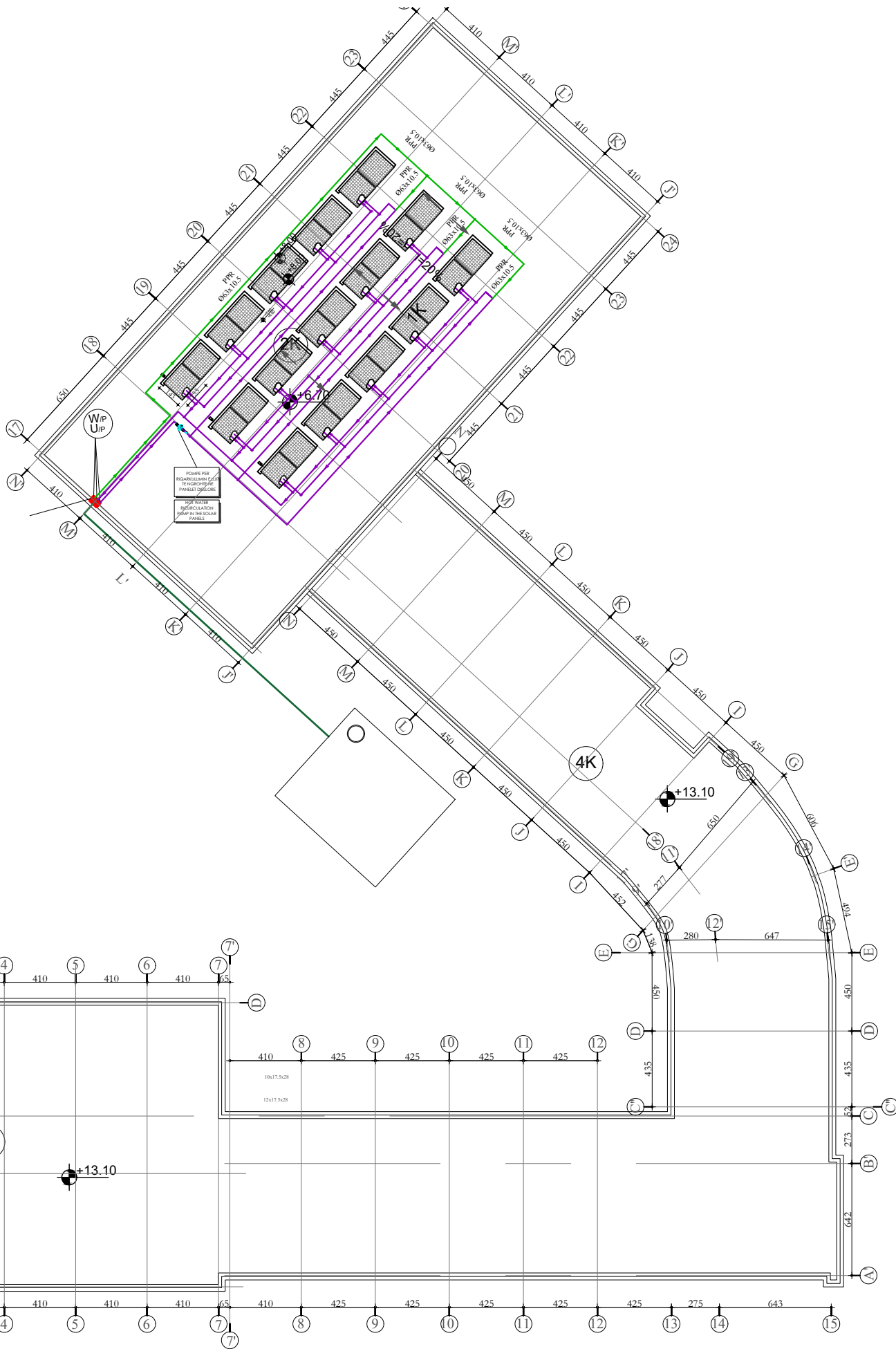
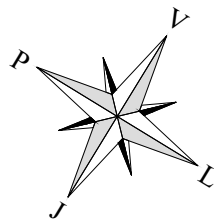
Shenim Teknik:

- Te gjithë instalimet e sistemit te furnizimit me uje sanitar do te jene me tuba HDPE ne pjesen e jashtme apo te brendeshme te shkolles te cilat instalohen ne toke;
- Te gjitha instalimet e tubave qe do te behen neper banjo do te behen me tuba PE-X.
- I gjithë instalimi i tubave te ujit sanitar (ngrohte/ftohte) brenda ambienteve te shkolles do te vishen me termoizolim $\delta = 6 \text{ mm}$;
- Te gjithë lavamanet, etj, do te pajisen me mishelator aty ku ka furnizim me uje te ngrohte dhe aty ku ka vetem furnizim me uje te ftohte te instalohen grup vetem me nje dalje (kjo nuk nenkupton qe do instalohen rubineta uji te thjeshta);
- Ne te gjithë WC-te jane instaluar valvula per bllokimin e ujit ne rast sherbimi apo demtimi, ne menyre qe te behet e mundur ndalimi i menjehershëm i ujit;
- Testimi i lidhjeve me presim te behet ne baze te normave dhe standardeve ne fuqi, bazur ne metodologjin e testimit e cila duhet te perpilohet nga kontraktori dhe miratohet nga supervizori para fillimit te ç'do lloj testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6 \text{ mm}$;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

PLANI I VENDOSJES SE PANELEVE DIELORE NE TARACE
PLAN OF SOLAR PANELS ON THE TERACE



LEGJENDA / LEGEND:

- Tubacionet e shperndarjes se ujit te ftohte sanitar
Materiali: Tubacione polietileni PE-X, tipi 315
Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
Material: PE-X polyethylene pipes, type 315
Norm: UNI 9338 or UNI 8318
- Tubacionet e shperndarjes se ujit te ngrohje sanitar
Materiali: Tubacione polietileni PE-X, tipi 315, te termoizoluara
Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
Material: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
- Kolonat e furnizimit me uje te ftohte sanitar
Materiali: Tubacione celiku te zinkuar (te termoizoluara)
Material: Galvanized steel pipes (thermally insulated)
- Sanitary cold water supply columns
- Sanitary water boiler (number indicates boiler capacity)
- Sanitary water boiler (number indicates boiler capacity)
- Rubinete mixelator
Mixer faucet
- Kolektor i shperndarjes
Distribution collector

Shenim Teknik:
- Te gjithë instalimet e sistemit të furnizimit me ujë sanitar do të jenë me tuba HDPE në pjesën e jashtme apo të brendshme të shkollës të cilat instalohen në toke;
- Te gjitha instalimet e tubave që do të behen neper banjo do të behen me tuba PE-X.
- I gjithë instalimi i tubave të ujit sanitar (ngrohje/ftohte) brenda ambienteve të shkollës do të vishen me termoizolim $\delta = 6 \text{ mm}$;
- Te gjithë lavamanet, etj, do të pajisen me mishelator aty ku ka furnizim me ujë të ngrohje dhe aty ku ka vetem furnizim me ujë të ftohte të instalohen grup vetem me një dalje (kjo nuk nënkupton që do instalohen rubineta uji të thjeshta);
- Në të gjithë WC-të janë instaluar valvula për bllokimin e ujit në rast shërbimi apo demtimi, në mënyrë që të behet e mundur ndalimi i menjehershëm i ujit;
- Testimi i lidhjeve me presim të behet në baze të normave dhe standardeve në fuqi, bazur në metodologjin e testimit e cila duhet të përpilohet nga kontraktori dhe miratohet nga supervisor për fillimin të ç'do lloj testimi.

Technical Note:
- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6 \text{ mm}$;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

POROSITESI / CLIENT
UNDP ALBANIA & EU
EU4SCHOOLS

KONSULENT / CONSULTANT
"ARKIMADE"
urban planning
architectural design
interior design

address:
Rr. "Himë Kolli" Nd.24 H.9 Nr.14, Tiranë tel:0682056076
www.arkimade.com

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITIA E PROJEKTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURES
DURES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I VENDOSJES SE PANELEVE
DIELORE NE TARACE
PLAN OF SOLAR PANELS ON THE TERRACE

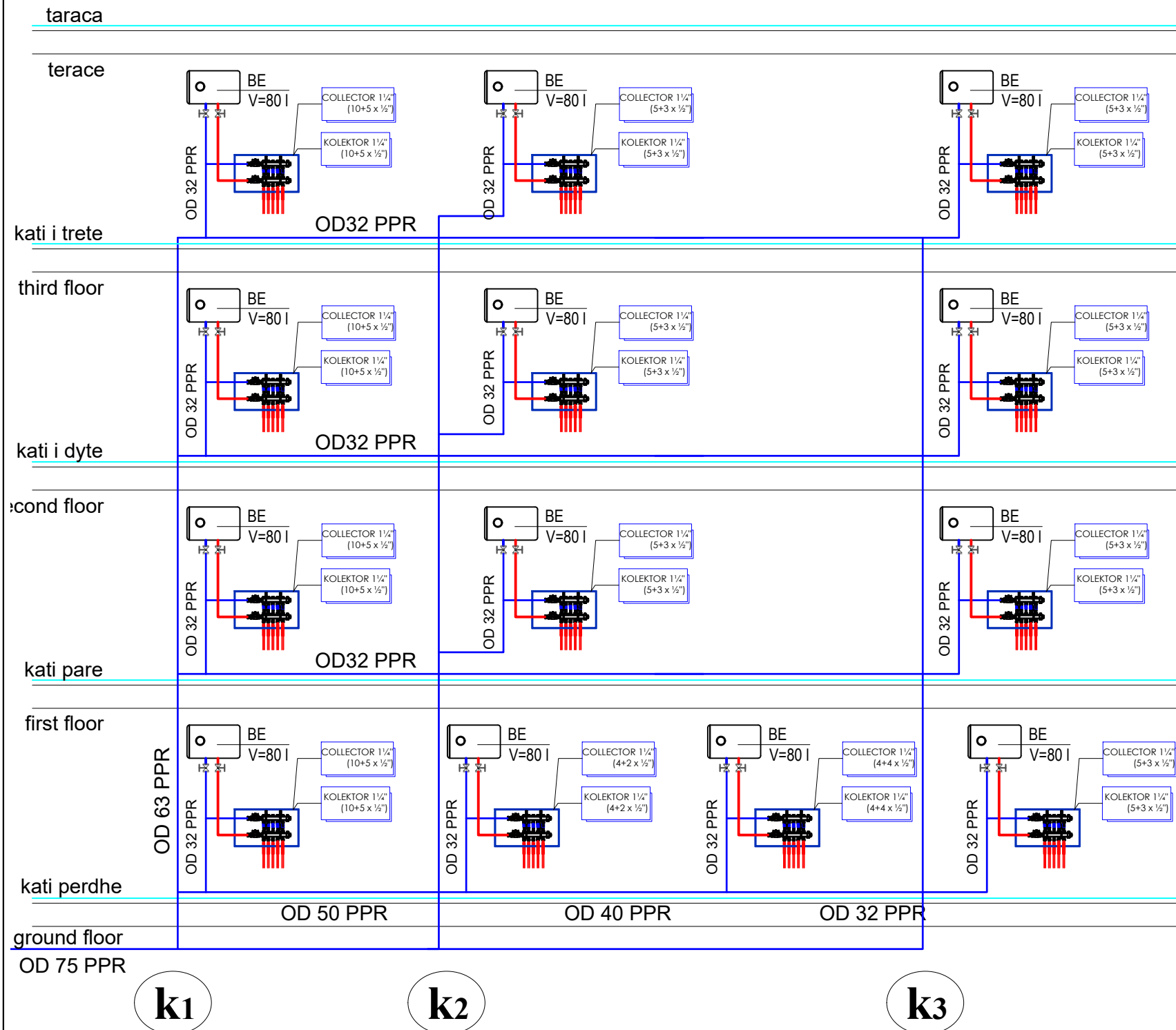
SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020

NR.FLETES / DRAWING No.
FV-08

VULA / STAMP

SKEMA PRINCIPALE E UJESJELLESIT PRINCIPAL WATER SUPPLY SCHEME

SKEMA E UJESJELLESIT PER SHKOLLEN
WATER SUPPLY SCHEME FOR SCHOOL



Shenim Teknik:

- Te gjithë instalimet e sistemit të furnizimit me ujë sanitar do të jenë me tuba HDPE në pjesën e jashtme apo të brendshme të shkollës të cilat instalohen në toke;
- Te gjitha instalimet e tubave që do të behen neper banjo do të behen me tuba PE-X.
- I gjithë instalimi i tubave të ujit sanitar (ngrohje/ftohje) brenda ambienteve të shkollës do të vishen me termoizolim $\delta = 6 \text{ mm}$;
- Te gjithë lavamanet, etj, do të pajisen me mishelator aty ku ka furnizim me ujë të ngrohtë dhe aty ku va vetëm furnizim me ujë të ftohtë të instalohen grup vetëm me një dalje (kjo nuk nënkupton që do instalohen rubinetat uji të thjeshta);
- Në të gjithë WC-të janë instaluar valvula për bllokimin e ujit në rast shërbimi apo dëmtimi, në mënyrë që të behet e mundur ndalimi i menjëhershëm i ujit;
- Testimi i lidhjeve me presim të behet në baza të normave dhe standardeve në fuqi, bazur në metodologjinë e testimit e cila duhet të përpilohet nga kontraktori dhe miratohet nga supervisorin para fillimit të ç'do lloji testimi.

Technical Note:

- All installations of the sanitary water supply system will be with HDPE pipes in the outer or inner part of the school which are installed in the ground;
- All pipe installations that will be done in the bathroom will be done with PE-X pipes.
- All installation of sanitary water pipes (hot / cold) inside the school premises will be covered with thermal insulation $\delta = 6 \text{ mm}$;
- All sinks, etc., will be equipped with a mixer where there is a hot water supply and where there is only a cold water supply to install a group with only one outlet (this does not mean that simple water taps will be installed);
- In all toilets are installed valves for blocking water in case of service or damage, in order to enable the immediate stop of water;
- Testing of connections is expected to be done based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.

- ① REZERVUARE UJI (V=3x5000 litra)
PER (hidrantin e vjarrit+ujin sanitar)
WATER TANK (V = 3x5000 liters)
FOR (fire hydrant + sanitary water)
- ② G.M. GALIXHANT MEKANIK
MECHANICAL GALIXHANT
- ③ G.E. GALIXHANT ELEKTRIK
ELECTRICAL GALIXHANT
ELEKTROPOMPE E THJESHTE
NE HYRJE Q=200 l/min; H=35 m
SIMPLE ELECTRO PUMP
INTRODUCTION Q = 200 l / min; H = 35 m
- ④ ELEKTROPOMPE DYSHE PER
(ujin sanitar) Q = 14 000litra/ore, H= 55M
ELECTRIC PUMP FOR DOUBLES
(sanitary water) Q = 14 000litra / hour,
H = 55M
- ⑤ AUTOKLAVE PRESIONI V=100litra
PER (ujin sanitar)
CAR PRESSURE V = 100 liters for
(sanitary water)

LEGJENDA / LEGEND:

-  - Tubacionet e shpërndarjes së ujit të ftohtë sanitër
- Materiale: Tubacione polietileni PE-X, tipi 315
- Norma: UNI 9338 ose UNI 8318
- Sanitary cold water distribution pipes
- Materiale: PE-X polyethylene pipes, type 315
- Norm: UNI 9338 or UNI 8318
-  - Tubacionet e shpërndarjes së ujit të ngrohtë sanitër
- Materiale: Tubacione polietileni PE-X, tipi 315, të termizoalura
- Norma: UNI 9338 ose UNI 8318
- Sanitary hot water distribution pipes
- Materiale: PE-X polyethylene pipes, type 315, thermally insulated. Norm: UNI 9338 or UNI 8318
-  - Kolonat e furnizimit me ujë të ftohtë sanitër
- Materiale: Tubacione celiku të zinkuar (të termizoalura)
- Sanitary cold water supply columns
- Materiale: Galvanized steel pipes (thermally insulated)
-  - Boller i ujit sanitër (numri tregon kapacitetin e boilerit)
- Sanitary water boiler (number indicates boiler capacity)
-  - Rubinet mishelator
- Mixer faucet
-  - Kolektor i shpërndarjes
- Distribution collector

POROSITESI / CLIENT	
---------------------	--

UNDP ALBANIA & EU



KONSULENT / CONSULTANT

"ARKIMADE"



urban planning
architectural design
interior design

address:
Rr."Himë Kolli" Nd.24 H.9 Nr.14 , Tiranë tel:0682056076
www.arkimade.com

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
 “PERGATITJIA E PROJEKTIMIT DHE
 SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
 RETROFITIT TE OBJEKTEVE TE LOTIT I”
 SHKOLLA E MESME BASHKUAR ISMET
 NANUSHI
 “PREPARATIONS OF THE DESIGNS AND
 SUPERVISION FOR REPAIR AND RETROFITTING
 OF THE OBJECTS OF LOT I”
 ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION

BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME

SHKOLLA E MESMEE BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIT / *PROJECT PHASE*

PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN

Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / *STRUCTURAL DESIGN*

Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT

Ing.Rafael KOTE
Nr.Lic.H/.T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN

Ing. Petrit HOXHAJ
Nr. Lic. H/T. 0130/3

PROJEKTI ELEKTRIK / ELECTRICAL DESIGN

Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / *TITLE OF DESIGN*

SKEMA PRINCIPALE E UJESJELLESIT
PRINCIPAL WATER SUPPLY SCHEME

SHKALLA: 1:100

SCALE: 1:100

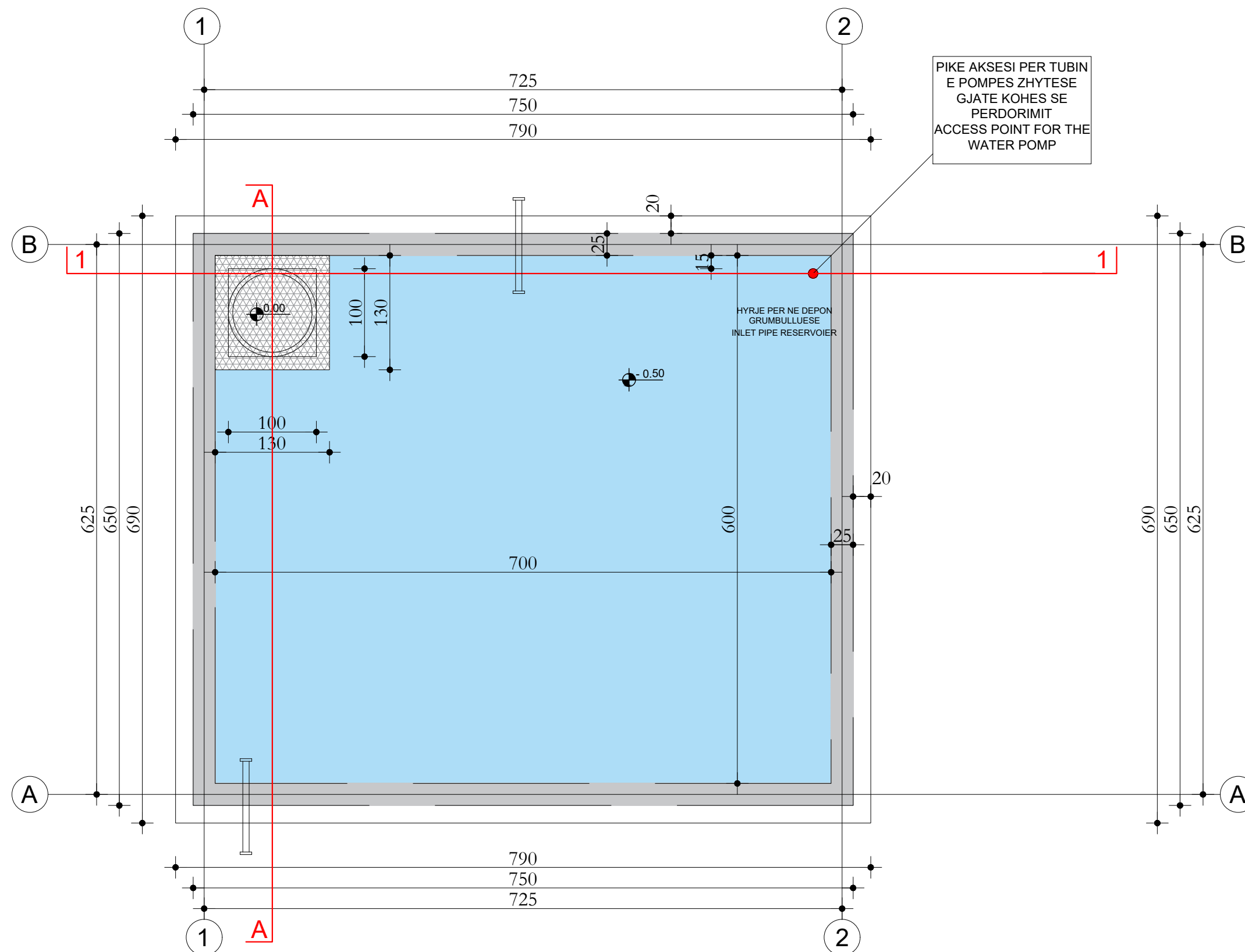
GUSHT 2020
AUGUST 2020

NR.FLETES / DRAWING No.

[illegible]**FU-09**

VULA / STAMP

DEPOJA GRUMBULLUESE E UJIT WATER COLLECTION DEPOT



DEPOJA GRUMBULLUESE E UJIT WATER COLLECTION DEPOT

PRERJA 1-1
SECTION 1-1

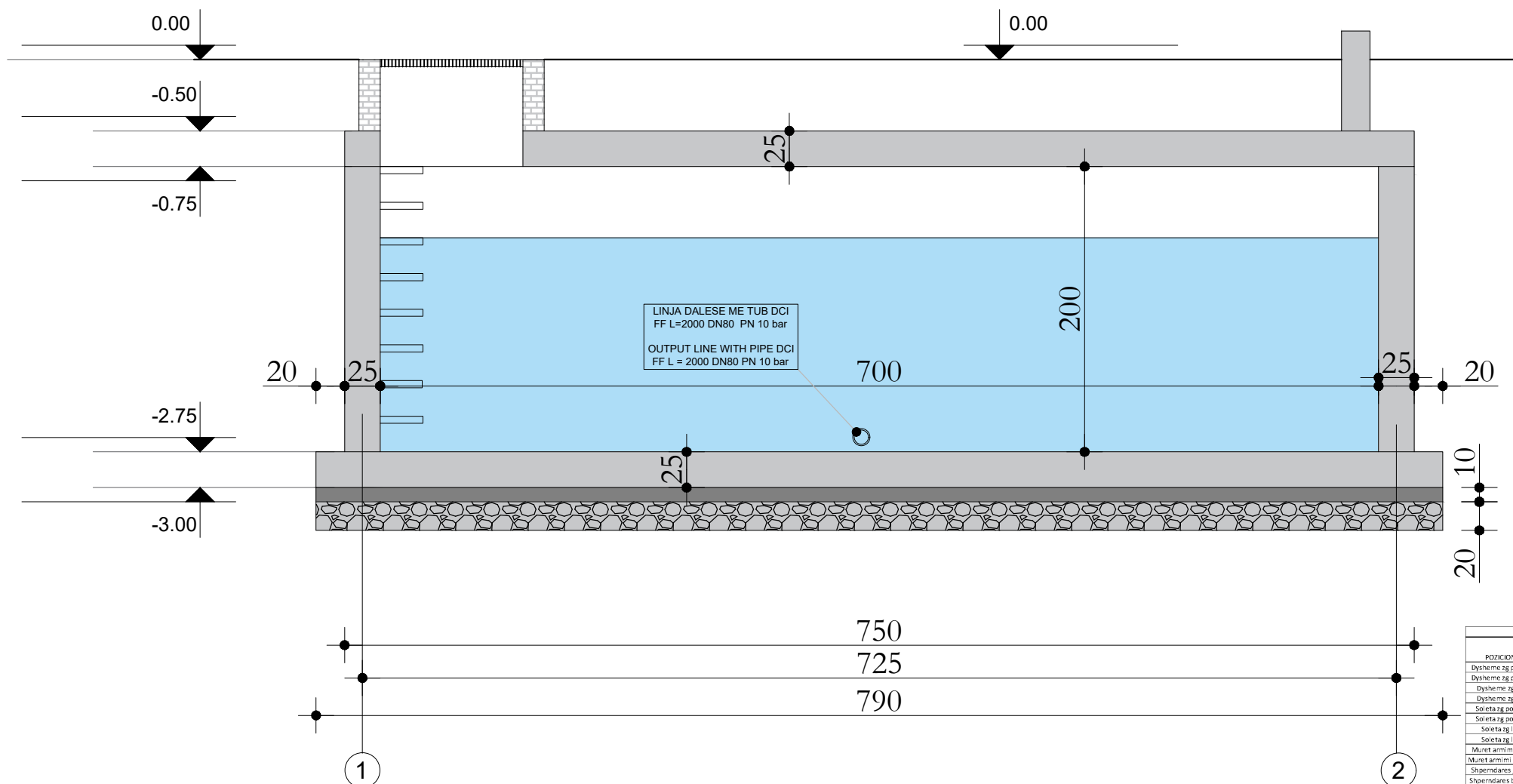
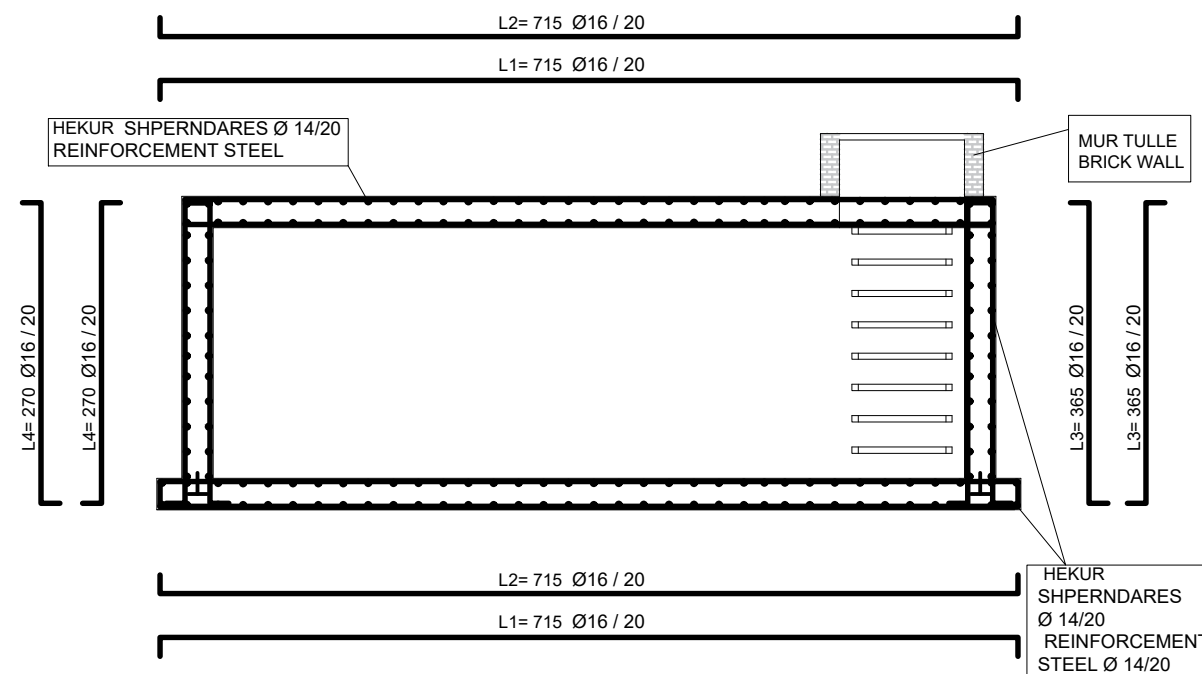
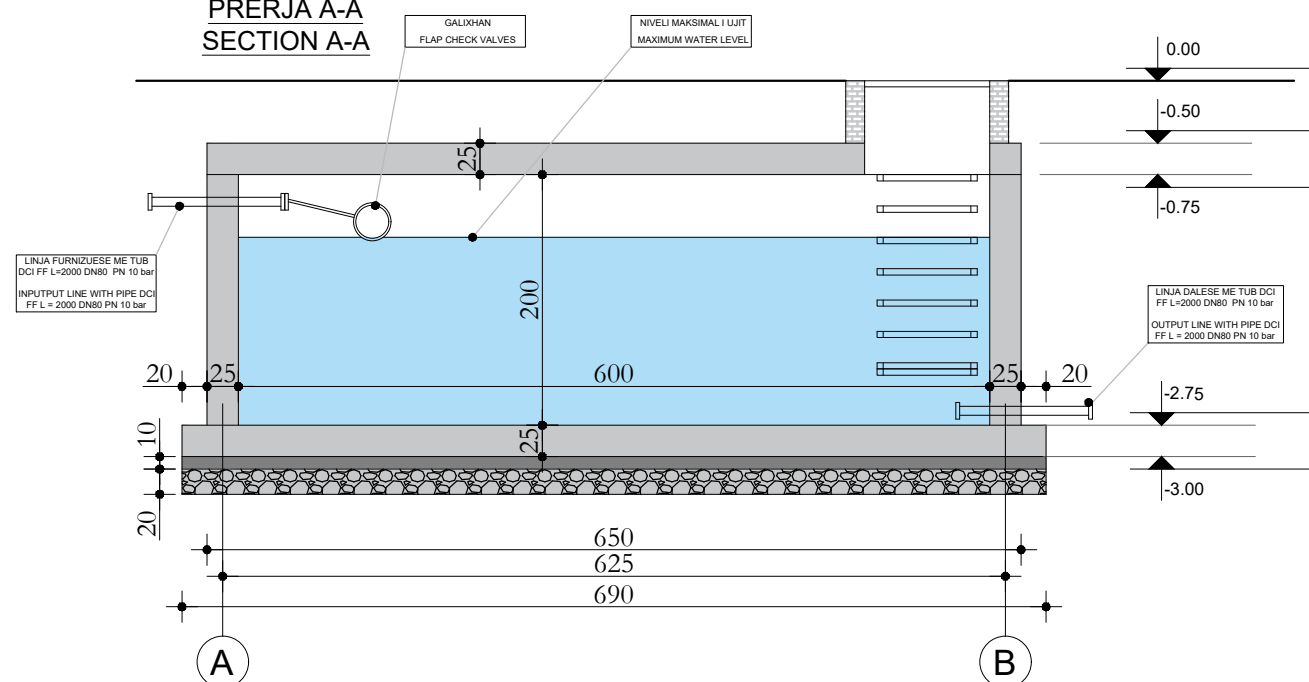


Tabela e Hekurit per Depon e Ujit Ismet Nanushi.						
POZICIONI	DIAMETRI	GIATESIA L (cm)	COPE	GIATESIA TOTALE	PESHA NJESI	PESHA TOTALE (kg)
Dyshe me zg poshte	Ø 16	8.2	46	377.2	1.66	627.7
Dyshe me zg poshte	Ø 16	7.15	53	378.95	1.66	630.6
Dyshe me zg lart	Ø 16	8.2	46	377.2	1.66	627.7
Dyshe me zg lart	Ø 16	7.15	53	378.95	1.66	630.6
Solleta zg poshte	Ø 16	8.2	46	377.2	1.66	627.7
Solleta zg poshte	Ø 16	7.15	53	378.95	1.66	630.6
Solleta zg lart	Ø 16	8.2	46	377.2	1.66	627.7
Solleta zg lart	Ø 16	7.15	53	378.95	1.66	630.6
Muret armimi jashte	Ø 16	2.7	140	378	1.66	629.0
Muret armimi brenda	Ø 16	2.7	135	364.5	1.66	606.5
Sherndares jashte	Ø 14	27	7	189	1.22	230.6
Sherndares brenda	Ø 14	26	7	182	1.22	222.0
TOTAL HEKUR Kg						6721.1

ARMIMI I DEPOS
REINFORCEMENT STEEL



PRERJA A-A
SECTION A-A





POROSITESI / CLIENT

UNDP ALBANIA & EU

EU4SCHOOLS

 QEVERITETI I KOSOVËS
KOSOVILLI & MINISTRI
SHKOLLËVE DHE
EDUKIMIT

 The Project is funded by the
European Union

 UN
DP

KONSULENT / CONSULTANT

"**ARKIMADE**"

urban planning
architectural design
interior design



ARKIMADE

address:
Rr. "Himë Kolli" Nd.24 H.9 Nr.14 , Tiranë tel:0682056076

www.arkimade.com

SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
 “PERGATITJA E PROJEKTIMIT DHE
 SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
 RETROFITIT TE OBJEKTEVE TE LOTIT I”
 SHKOLLA E MESME BASHKUAR ISMET
 NANUSHI
 “PREPARATIONS OF THE DESIGNS AND
 SUPERVISION FOR REPAIR AND RETROFITTING
 OF THE OBJECTS OF LOT I”
 ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA E MESMEE E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIT / *PROJECT PHASE*

PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARHITEKTONIK / ARCHITECTURAL DESIGN
 Ark. Iva MEZEZI
 Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / *STRUCTURAL DESIGN*
 Ing.Arben KASO
 Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / *MATERIAL EXPERT*
Ing.Rafael KOTE
Nr.Lic.H./T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing. Petrit HOXHAJ
Nr. Lic. H/T. 0130/3

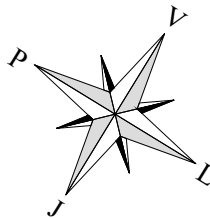
PROJEKTI ELEKTRIK / *ELECTRICAL DESIGN*
Ing.Ylli MOLLA
 Nr.Lic.E.0206/2

EMERTIMI FLETES / *TITLE OF DESIGN*
LIDHJA ME RRJETIN KRYESOR TE
SHKARKIMEVE PER UJERAT E ZEZA
CONNECTION TO THE MAIN DISCHARGE
NETWORK OF THE WASTEWATER

SHKALLA: 1:400 SCALE: 1:400	NR.FLETES / DRAWING No.
GUSHT 2020 AUGUST 2020	SH-01

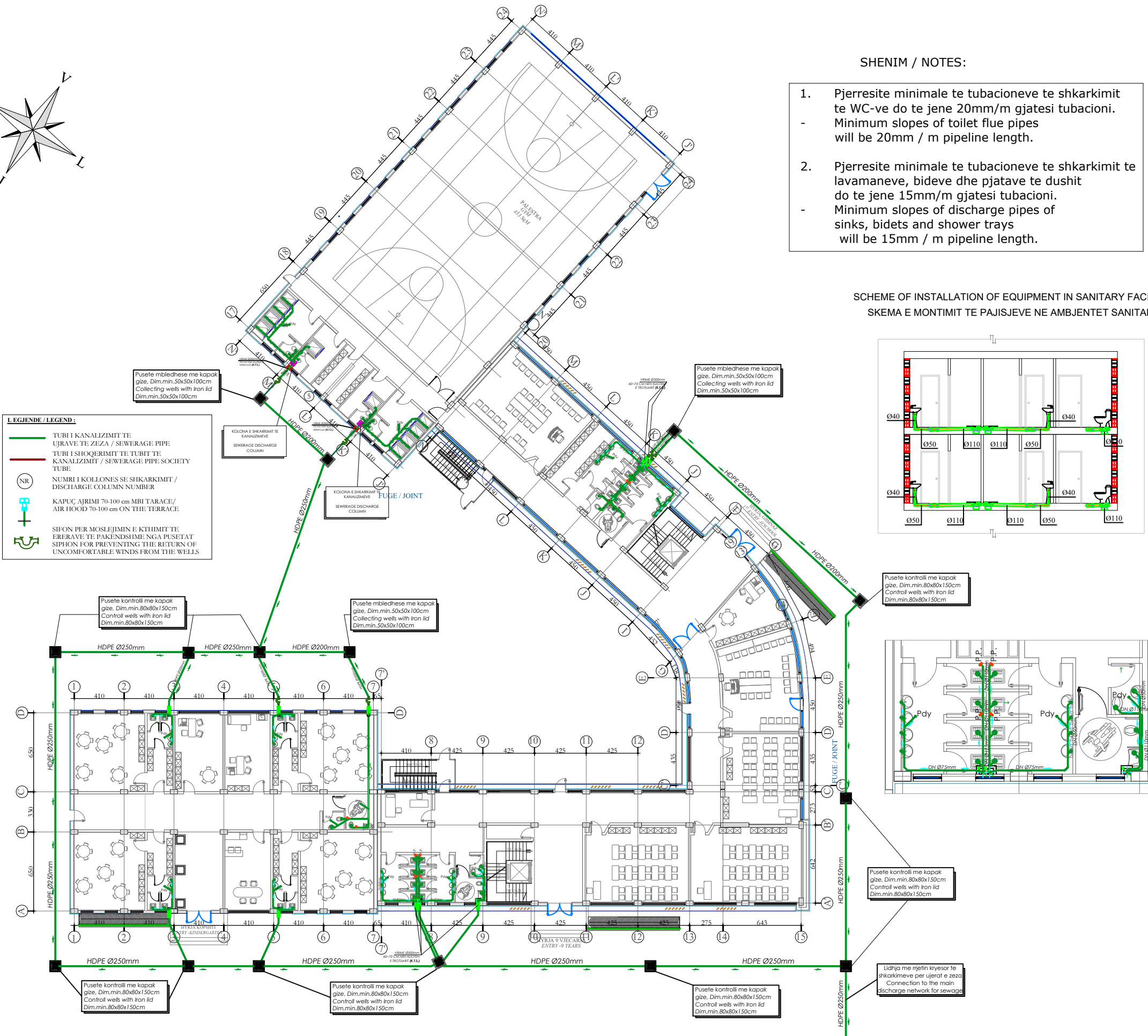
VULA / STAMP

PLANI I SHKARKIMIT TE UJERAVE NE KATIN PERDHE
GROUND FLOOR WATER DISCHARGE PLAN

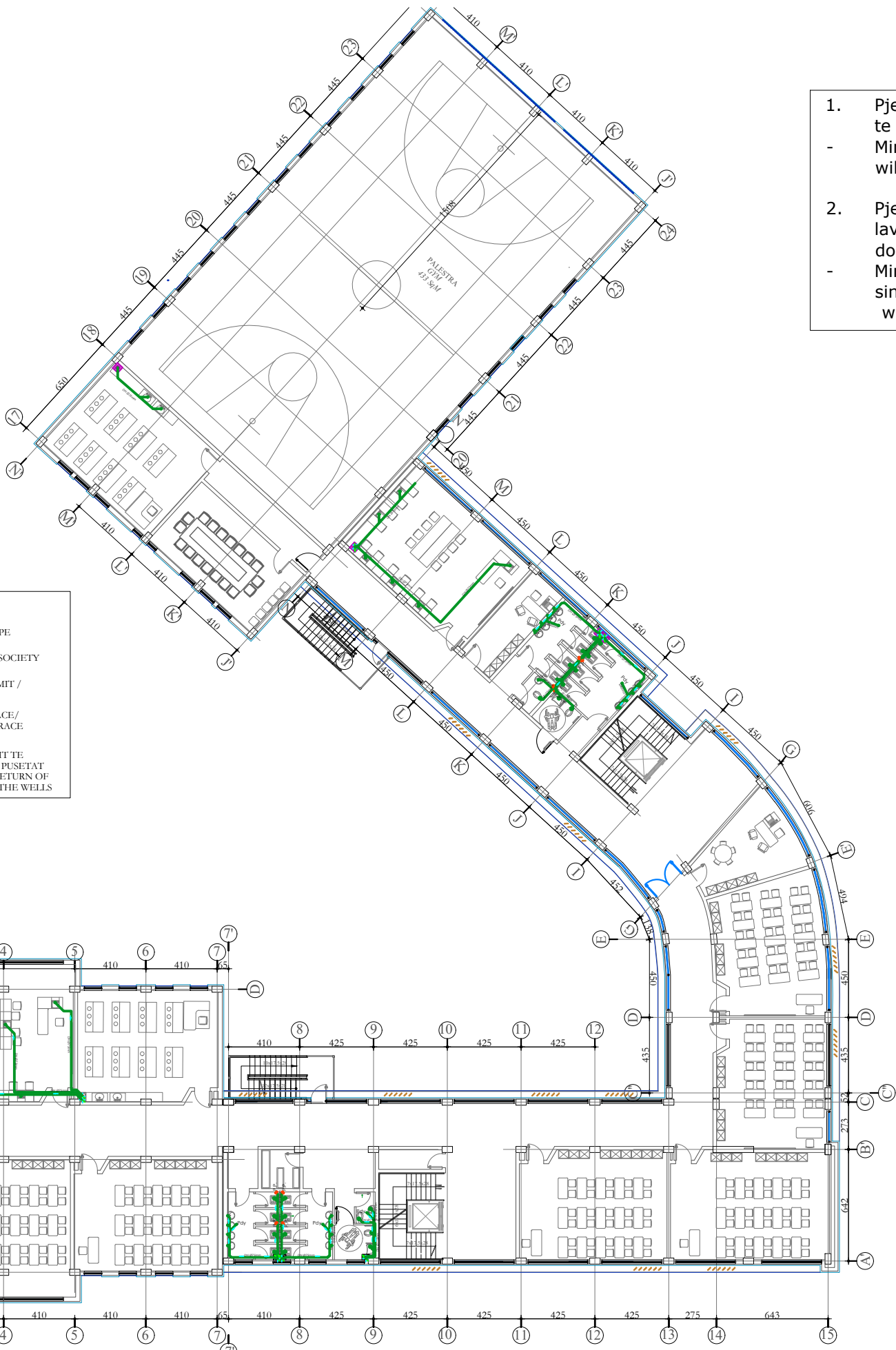
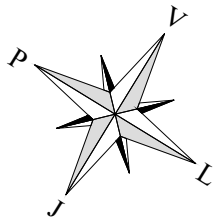


LEGENDE / LEGEND:

	TUBI I KANALIZIMIT TE UJRAVE TE ZEZA / SEWERAGE PIPE
	TUBI I SHOQERIMIT TE TUBIT TE KANALIZIMIT / SEWERAGE PIPE SOCIETY TUBE
	NUMRI I KOLLONES SE SHKARKIMIT / DISCHARGE COLUMN NUMBER
	KAPUC AJRIMI 70-100 cm MBI TARACE / AIR HOOD 70-100 cm ON THE TERRACE
	SIFON PER MOSLEJIMIN E KTHIMIT TE ERERAVE TE PAKENDSHME NGA PusetAT SIFON FOR PREVENTING THE RETURN OF UNCOMFORTABLE WINDS FROM THE WELLS



PLANI I SHKARKIMIT TE UJERAVE NE KATIN E PARE
FIRST FLOOR WATER DISCHARGE PLAN

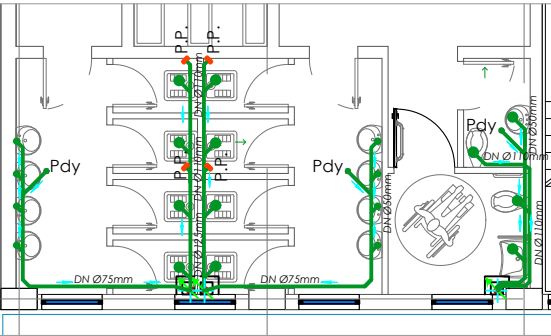
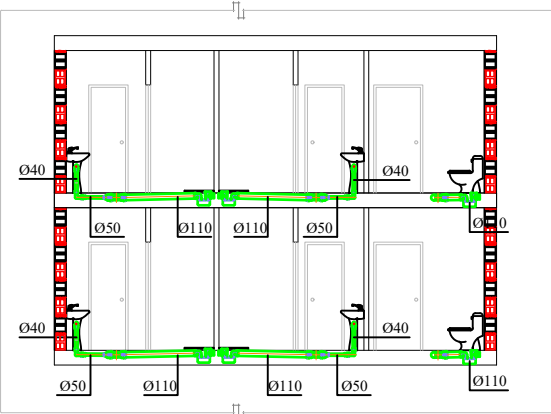


LEGENDE / LEGEND :	
	TUBI I KANALIZIMIT TE UJRAVE TE ZEZA / SEWERAGE PIPE
	TUBI I SHOQERIMIT TE TUBIT TE KANALIZIMIT / SEWERAGE PIPE SOCIETY TUBE
	NUMRI I KOLLONES SE SHKARKIMIT / DISCHARGE COLUMN NUMBER
	KAPUC AJRIMI 70-100 cm MBI TARACE / AIR HOOD 70-100 cm ON THE TERRACE
	SIFON PER MOSLEJIMIN E KTHIMIT TE ERERAVE TE PAKENDSHME NGA PUSATAT / SIPHON FOR PREVENTING THE RETURN OF UNCOMFORTABLE WINDS FROM THE WELLS

SHENIM / NOTES:

- Pjerrresite minimale te tubacioneve te shkarkimit te WC-ve do te jene 20mm/m gjatesi tubacioni.
- Minimum slopes of toilet flue pipes will be 20mm / m pipeline length.
- Pjerrresite minimale te tubacioneve te shkarkimit te lavamaneve, bideve dhe pjatave te dushit do te jene 15mm/m gjatesi tubacioni.
- Minimum slopes of discharge pipes of sinks, bidets and shower trays will be 15mm / m pipeline length.

SCHEME OF INSTALLATION OF EQUIPMENT IN SANITARY FACILITIES
SKEMA E MONTIMIT TE PAJISJEVE NE AMBIJENTET SANITARE



SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTIMIT DHE SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET NANUSHI
"PREPARATIONS OF THE DESIGNS AND SUPERVISION FOR REPAIR AND RETROFITTING OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

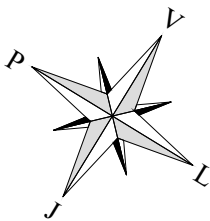
EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I SHKARKIMIT TE UJERAVE NE KATIN E PARE
FIRST FLOOR WATER DISCHARGE PLAN

SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020

VULA / STAMP

NR.FLETES / DRAWING No.
SH-03

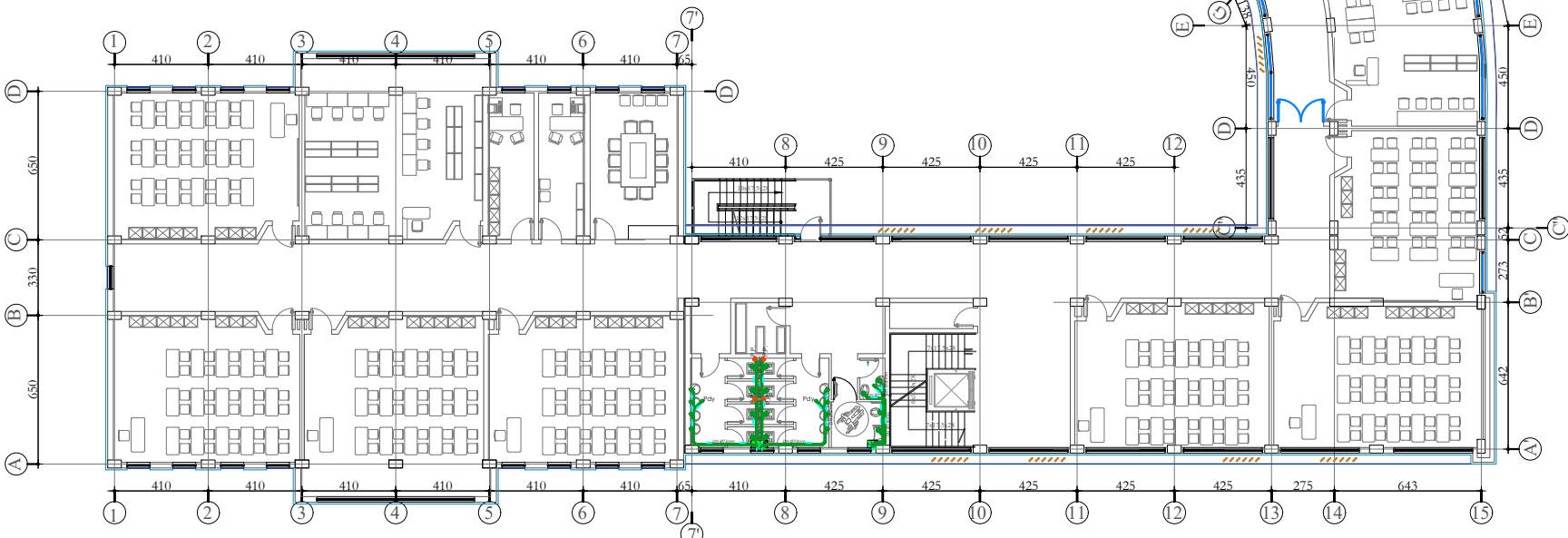
PLANI I SHKARKIMIT TE UJERAVE NE KATIN E DYTE
SECOND FLOOR WATER DISCHARGE PLAN



+6.70

LEGENDE / LEGEND:

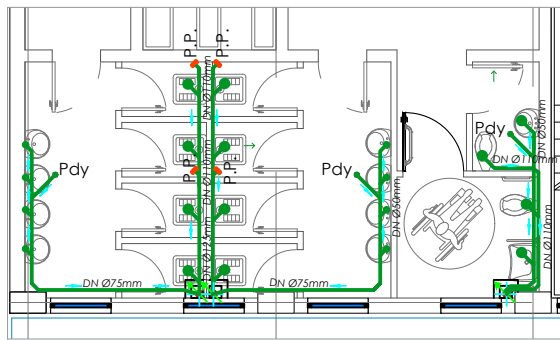
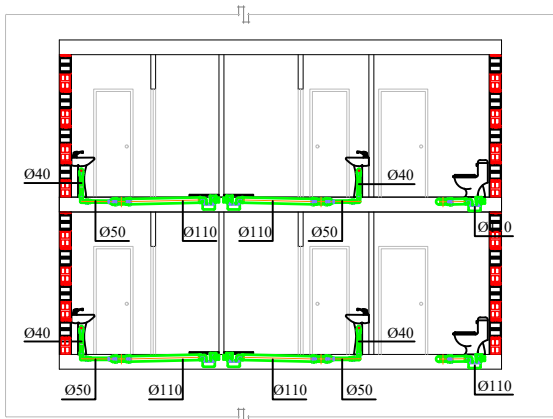
- TUBI I KANALIZIMIT TE UJRAVE TE ZEZA / SEWERAGE PIPE
- TUBI I SHOQERIMIT TE TUBIT TE KANALIZIMIT / SEWERAGE PIPE SOCIETY TUBE
- NUMRI I KOLLONES SE SHKARKIMIT / DISCHARGE COLUMN NUMBER
- KAPUC AJRIMI 70-100 cm MBI TARACE / AIR HOOD 70-100 cm ON THE TERRACE
- SIFON PER MOSLEJIMIN E KTHIMIT TE ERERAVE TE PAKENDSHME NGA Pusetat / SIPHON FOR PREVENTING THE RETURN OF UNCOMFORTABLE WINDS FROM THE WELLS



SHENIM / NOTES:

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- Minimum slopes of toilet flue pipes will be 20mm / m pipeline length.
- Pjerresite minimale te tubacioneve te shkarkimit te lavamaneve, bideve dhe pjatave te dushit do te jene 15mm/m gjatesi tubacioni.
- Minimum slopes of discharge pipes of sinks, bidets and shower trays will be 15mm / m pipeline length.

SCHEME OF INSTALLATION OF EQUIPMENT IN SANITARY FACILITIES
SKEMA E MONTIMIT TE PAJISJEVE NE AMBJENTET SANITARE



SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
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SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURRES
DURRES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTTIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

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Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

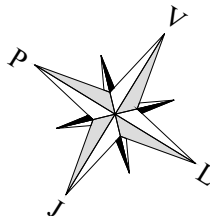
PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I SHKARKIMIT TE UJERAVE
NE KATIN E DYTE
SECOND FLOOR WATER DISCHARGE PLAN

SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020
NR.FLETES / DRAWING No.
SH-04

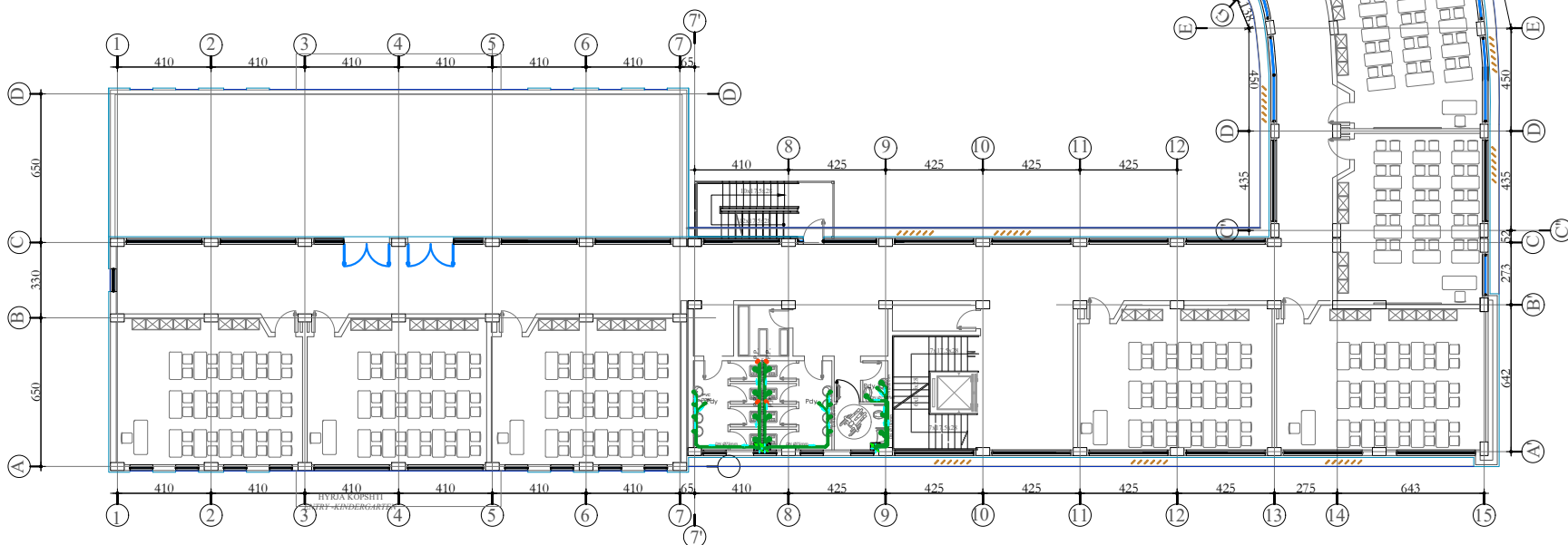
VULA / STAMP

PLANI I SHKARKIMIT TE UJERAVE NE KATIN E TRETE
THIRD FLOOR WATER DISCHARGE PLAN



+6.70

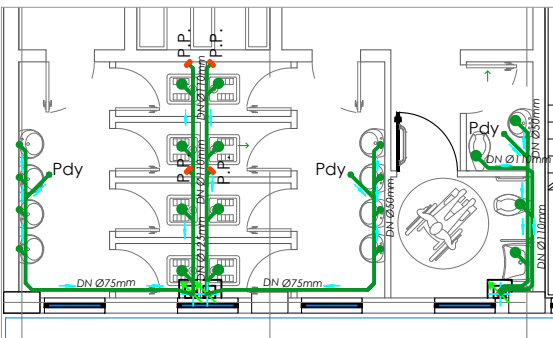
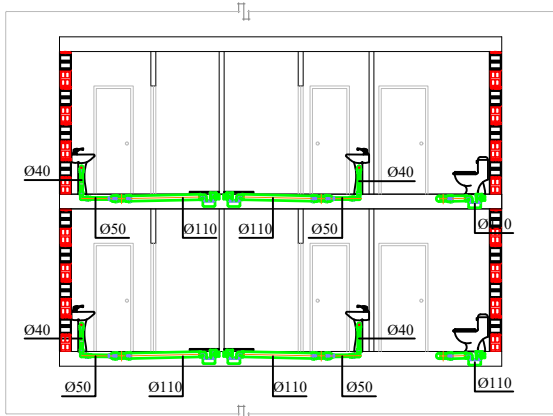
LEGENDE / LEGEND:	
	TUBI I KANALIZIMIT TE UJRAVE TE ZEZA / SEWERAGE PIPE
	TUBI I SHOQERIMIT TE TUBIT TE KANALIZIMIT / SEWERAGE PIPE SOCIETY TUBE
	NUMRI I KOLLONES SE SHKARKIMIT / DISCHARGE COLUMN NUMBER
	KAPUC AJRIMI 70-100 cm MBI TARACE / AIR HOOD 70-100 cm ON THE TERRACE
	SIFON PER MOSLEJIMIN E KTHIMIT TE ERERAVE TE PAKENDSHME NGA Pusetat / SIPHON FOR PREVENTING THE RETURN OF UNCOMFORTABLE WINDS FROM THE WELLS



SHENIM / NOTES:

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- Minimum slopes of toilet flue pipes will be 20mm / m pipeline length.
- Pjerresite minimale te tubacioneve te shkarkimit te lavamaneve, bideve dhe pjatave te dushit do te jene 15mm/m gjatesi tubacioni.
- Minimum slopes of discharge pipes of sinks, bidets and shower trays will be 15mm / m pipeline length.

SCHEME OF INSTALLATION OF EQUIPMENT IN SANITARY FACILITIES
SKEMA E MONTIMIT TE PAJISJEVE NE AMBJENTET SANITARE



SHENIME TEKNIKE / TECHNICAL NOTES

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTIMIT DHE SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET NANUSHI
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ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURES
DURES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTIMIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
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PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
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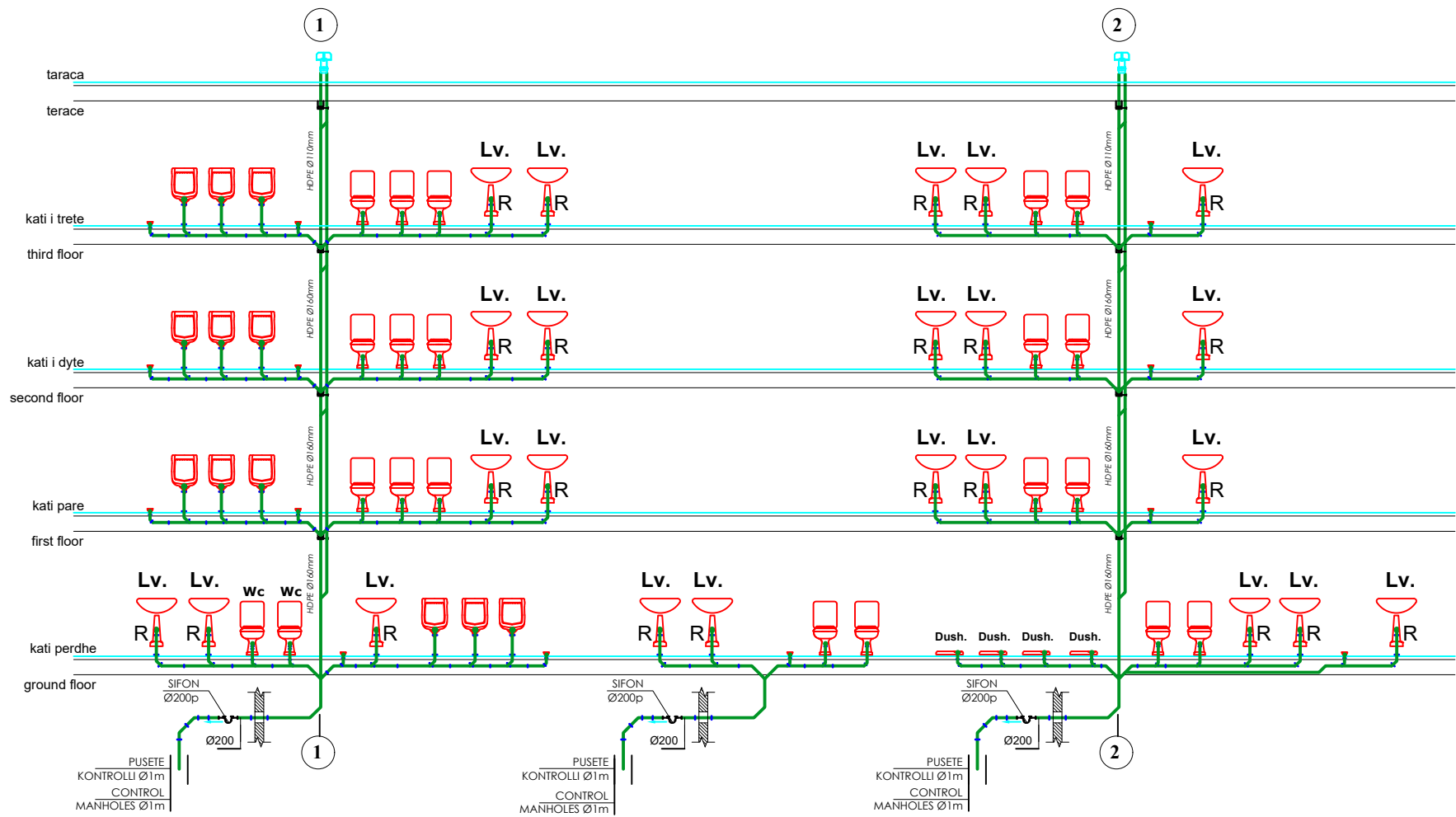
PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I SHKARKIMIT TE UJERAVE NE KATIN E TRETE
THIRD FLOOR WATER DISCHARGE PLAN

SHKALLA: 1:300
SCALE: 1:300
GUSHT 2020
AUGUST 2020
NR.FLETES / DRAWING No.
SH-05

VULA / STAMP

SKEMA E SHKARKIMIT TE UJERAVE TE ZEZA
SEWAGE DISCHARGE SCHEME

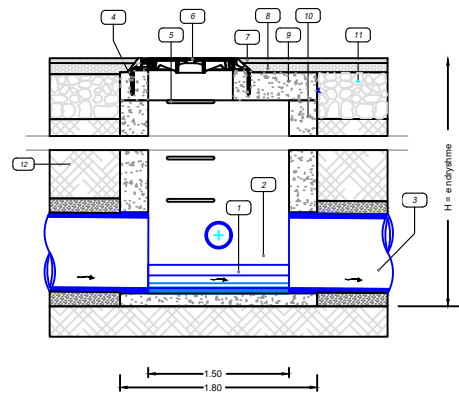
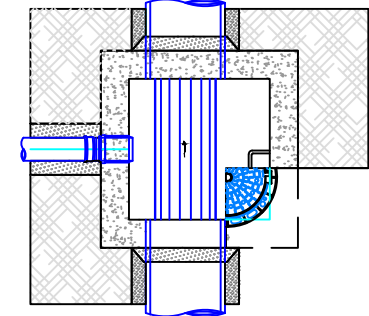
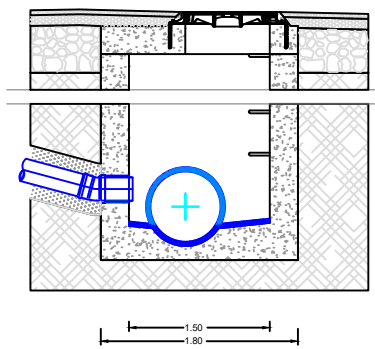


Technical Note:

- All external installations of the sewage system will be made of PEHD pipes with rollers (rolled);
 - All internal installations of the sewage system will be done with PE pipes, glass, tightening with rubber;
 - During all discharges care must be taken to install at an angle of 45 ° or 87 ° and in no way at 90 °, also to make it possible for each line to be as clean as possible in the discharge, without many turns or deviations;
 - The installation of the toilets should be done according to the technical detail given in the drawing, the purchase of these toilets should be done with waterproofing membrane;
 - Testing of connections with it is done with air pressure or free flow based on the norms and standards in force, based on the testing methodology which must be compiled by the contractor and approved by the supervisor before the start of any type of testing.
- All exhaust pipes inside the building will be placed with a minimum slope of 1.5% in the direction of flow. Before the start of the installation, the decision of the customer for the final placement of the sanitary equipment in their environment is taken in writing. At the end of the installation, the flow tests should be done with a pressure of 3m for 24 hours

Shenim Teknik:

- Te gjithë instalimet e jashtme të sistemit të shkarkimeve të ujrave të zeza do të behet me tuba PEHD me vjaska (rullosur);
 - Te gjitha instalimet e brendshme të sistemit të shkarkimeve të ujrave të zeza do të behet me tuba PE, me got, shtrengimi me gomin;
 - Gjate gjithë shkarkimeve duhet të behet kujdes që të instalohen me kende 45 ° os 87 ° dhe në asnjë mënyrë me 90 °, gjithashtu të behet i mundur që çdo linjë të jetë sa më e pastër në shkarkim, pa shumë kthesa apo devjime;
 - Instalimi i piletave të WC-ve të behet sipas detaji teknik të dhënë në vizatim, blerja e ketyre piletave të behet me membran hidroizolues;
 - Testimi i lidhjeve me të behet me presion ajër ose me rrjedhje të lirë në baze të normave dhe standardeve në fuqi, bazur në metodologjin e testimit e cila duhet të perpilohet nga kontraktori dhe miratohet nga supervisorit para fillimit të çdo lloj testimi.
- Te gjithë tubat e shkarkimeve brenda ndërtesës do të vendosen me pjerësi minimale 1,5% në drejtim të rrjedhjes. Para fillimit të instalimit të meret me shkrim vendimi i porositesit për vendosjen përfundimtare të paisjeve sanitare në mjedisin tyre. Në përfundim të instalimit të behen provat në rrjedhje me presion 3m për 24 orë



LEGJENDA	
1	Shtrese fundore me gure
2	Trajtim hidroizolues
3	Tubacioni i ujrave të zeza
4	Fiksime celiku Ø 10 çdo 12 cm
5	Shkallë celiku
6	Kapaku gize sferoidale - hapja Ø 600 mm
7	Asfaltobeton
8	Binder
9	Solete B/A
10	Pusete B/A
11	Bazamenti i rruges
12	Mbushje me materialet nga germimet

SHENIME

- Muret e puseteve do të jnë beton M-200 dhe me trashësi 15cm.
- Betoni që do të përdoret për brezin duhet të jetë M-250, ndërsa betoni i ulikut dhe shtresës do të jetë M-200.
- Telajo e kapakut do të jetë prej gëz i iksadur me brezin e betonit dhe i vendosur në nivelin e mbasur të rrugës sipas projektit.
- Fundi i tubit duhet të jetë +10cm nga fundi i pusetes.
- Diametri i tubit do të jetë si në planimetri.
- Zgjedhja metalike duhet të ketë karakteristika që të përballojë peshat e automjeteve deri 40 ton

LEGEND	
1	Bottom layer with stones
2	Waterproofing treatment
3	Sewage pipeline
4	Fixed steel Ø 10 every 12 cm
5	Steel ladder
6	Spherical cast iron lid - opening Ø 600 mm
7	Asphalt concrete
8	Binder
9	Solete reinforced concrete
10	Concrete Wells
11	The base of the road
12	Filling with excavation materials

NOTES

- The walls of the well will be M-200 concrete and 15cm thick.
- The concrete to be used for the belt should be M-250, while gutter and layer concrete will be M-200.
- The cover frame will be made of cast iron with concrete strip and located at the finished level of the road according to the project.
- The end of the pipe should be + 10cm from the end of the well.
- The diameter of the pipe will be as in the planimetry.
- Metal grill must have characteristics to withstand vehicle weights up to 40 tons

DISTINGUISHING SIGNS

- SH SEWERAGE PIPE
- P.Dy. FLOOR CHICKENS
- 1 DISCHARGE COLUMN NUMBER

SHENJA DALLUESE

- SH TUBI I KANALIZIMIT TE UJERAVE TE ZEZA
- P.Dy. PILETE DYSHEMEJE
- 1 NUMRI I KOLLONES SE SHKARKIMIT

PLANI I KULLIMIT TE UJERAVE TE SHIUT
RAINWATER DRAINING PLAN



SHENIME TEKNIKE / TECHNICAL NOTES
SHKARKON NE RRJETIN EKZISTUES TE KUSH. PARA
NDERITIMIT TE RRJETIT TE KUSH TE OBORRIT, TE
VERIFIKOHET KUOTA E PUSETES NE RRUGE, KU DO
SHKARKOHEN UJERAT E SHIUT, PER CDO NDRYSHIM TE
KUOTES ME KUOTEN E PROJEKTTIT, TE KONTAKTOHET
PROJEKTUESI.

DISCHARGES TO THE EXISTING RAINWATER DRAINAGE
NETWORK. BEFORE THE CONSTRUCTION OF THE YARD
NET, THE QUOTA OF THE WELL IN THE ROAD, WHERE
THE RAINWATERS WILL BE DISCHARGED, FOR ANY
CHANGE OF THE QUOTA WITH THE PROJECT QUOTA,
CONTACT THE DESIGNER.

PROJEKTI / PROJECT NAME
"PERGATITJA E PROJEKTTIMIT DHE
SUPERVIZIONIT TE RIKONSTRUKSIONIT DHE
RETROFITIT TE OBJEKTEVE TE LOTIT 1"
SHKOLLA E MESME BASHKUAR ISMET
NANUSHI
"PREPARATIONS OF THE DESIGNS AND
SUPERVISION FOR REPAIR AND RETROFITTING
OF THE OBJECTS OF LOT 1"
ISMET NANUSHI JOINT HIGH SCHOOL

ZONA / LOCATION
BASHKIA DURES
DURES MUNICIPALITY

OBJEKTI / PROJECT NAME
SHKOLLA EMESME E BASHKUAR
ISMET NANUSHI
ISMET NANUSHI JOINT HIGH SCHOOL

FAZA E PROJEKTTIT / PROJECT PHASE
PROJEKT ZBATIMI
IMPLEMENTATION DESIGN

PROJEKTI ARKITEKTONIK / ARCHITECTURAL DESIGN
Ark. Iva MEZEZI
Nr.Lic.A.0831/3

PROJEKTI KONSTRUKTIV / STRUCTURAL DESIGN
Ing.Arben KASO
Nr.Lic.K.0490/4

EKSPERT PER MATERIALET / MATERIAL EXPERT
Ing.Rafael KOTE
Nr.Lic.H/T.0129/6

PROJEKTI HIDROSANITAR / MUNICIPAL DESIGN
Ing.Petrit HOXHAI
Nr.Lic.H/T.0130/3

PROJEKTI ELEKTRIK / ELECTRICAL DESIGN
Ing.Ylli MOLLA
Nr.Lic.E.0206/2

EMERTIMI I FLETES / TITLE OF DESIGN
PLANI I KULLIMIT TE UJERAVE TE SHIUT
RAINWATER DRAINING PLAN

SHKALLA: 1:400
SCALE: 1:400
GUSHT 2020
AUGUST 2020

VULA / STAMP

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