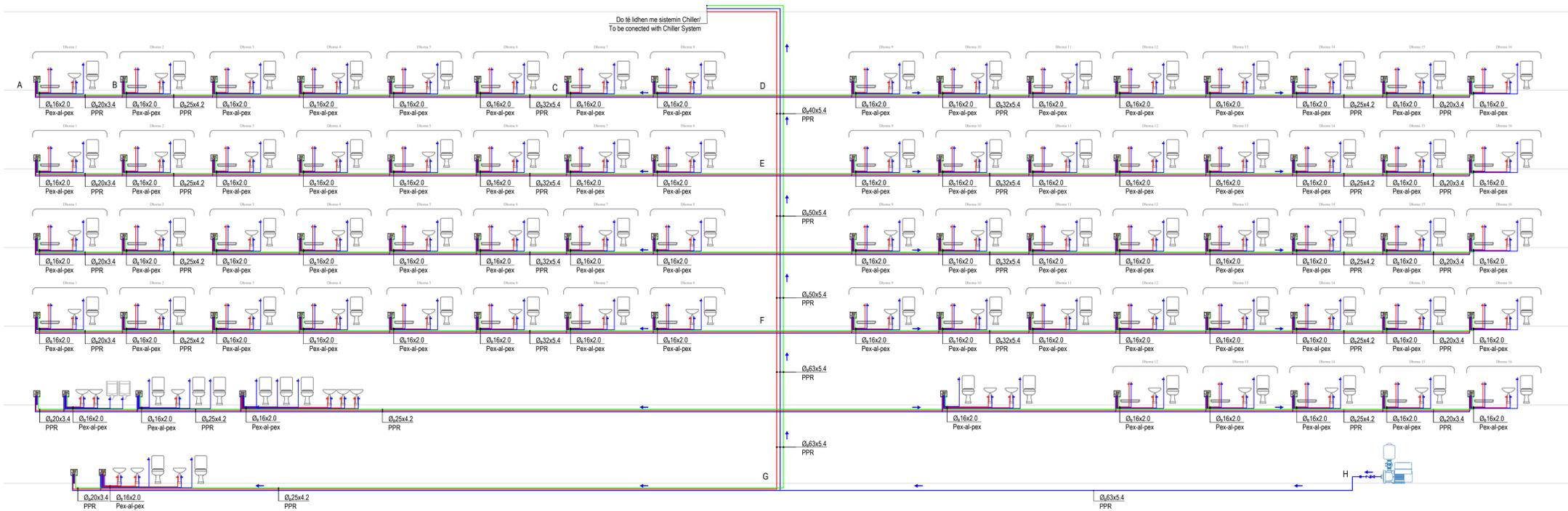


**RRJETI I BRENDSHËM I FURNIZIMIT ME UJË /
INTERNAL WATER SUPPLY SYSTEM
Sh. / Sc. 1:100**



SHENIME TEKNIKE / TECHNICAL SPECIFICATIONS:

1. Te gjitha linjat hidraulike te shperndarjes ne njet sanitar do te shtrihen ne dysheme e njetve sanitare, dhe do te jene pa shkeputje apo xhurtime nga kolektori deri tek dalje e konsumatorit. Ndersa magjistratet do te kalojne ne punin teknik kryesor te godines / All hydraulic distribution lines within sanitary nodes shall be installed beneath the flooring of the sanitary facilities, maintaining a continuous connection from the collector to the consumer outlet. Main supply lines will run through the building's primary technical shaft.
2. Te gjitha linjat qe shtrihen mbi kolektoret deri ne pajisjet hidrosanitare jane parashikuar te jene te gjitha me dimensione Ø20 mm, ndersa magjistratet e tjera duhet te jene sipas dimensioneve te cakutara ne vizatimet perkatese. / All lines extending from the collectors to the hydro-sanitary fixtures are to be dimensioned at Ø20 mm, while other main lines must adhere to the dimensions specified in the corresponding design drawings.
3. Lartesia e daljeve (hidhyrje) te linjave te furnizimit me uje sanitar me pajisjet hidro-sanitare duhet te behet ne perputhje me skedat teknike te seciles pajiseje. / The elevation of the outlet connections for the sanitary water supply lines to the hydro-sanitary fixtures must comply with the technical data sheets of each device.
4. Per te gjitha njetet sanitare, kolektori do te vendoset ne pjesen e ulet te murit ne lartesi jo me te vogel se 20 cm nga dyshemeja. / For all sanitary nodes, the collector shall be positioned at the lower section of the wall at a height of no less than 20 cm above the floor.
5. Raketoret per kolektor dhe konsumatoret furdore do te jene prej materialit Bronz, i pakromuar dhe me perqendroje te ulet plumbi. Ndersa per pjesen tjeter do te jene me materiale celiku (per kolonat dhe ambientet teknike) dhe PPR (per magjistratet ne kate e godines). / The collectors for the collectors and terminal consumers will be constructed of uncoated bronze with low lead content. Other components will be made from steel (for columns and technical spaces) and PPR (for main lines within the building).
6. Te gjitha linjat hidraulike te shperndarjes ne njet sanitar do te realizohen me tuba Pex-Al-Pex dhe magjistratet neper kate do te realizohen me tuba PPR. / All hydraulic distribution lines in the sanitary nodes will utilize Pex-Al-Pex pipes, while the main lines on the floors will be made of PPR pipes.
7. Linjat hidraulike te brensdsheme dhe te jashteme te termozolohem me amroflex te veshur me PVC ne perputhje me vlerat e meposhteme. Per linjat hidraulike te jashteme te aplikohet niveshje me flete alumini me spesor 0.5+0.7 mm si me poshte / Both internal and external hydraulic lines shall be thermally insulated with Amroflex covered with PVC, adhering to the specified insulation values. External hydraulic lines will require a covering of aluminum sheet with a thickness of 0.5 to 0.7 mm as detailed below.

Diametri i jashtem i tubit / Outer diameter of the pipe (mm)	Ø20	Ø25-32	Ø40-59	Ø60-75	Ø80-90
Spesori i termozollimit per linjat hidraulike te brensdsheme (mm) / The thickness of the thermal insulation for internal hydraulic lines	13	19	26	33	40
Spesori i termozollimit per linjat hidraulike te jashteme (mm) / The thickness of the thermal insulation for external hydraulic lines	22	32	43	54	59

8. Lidhjet e tubave te furnizimit me uje duhet te realizohen si me poshte / Pipe connections for the water supply must be executed as follows:
 - Per tubat Pex-Al-Pex, lidhjet te behen me presim / For Pex-Al-Pex pipes, connections are to be made via crimping.
 - Per tubat PPR, lidhjet te behen me ngjirje / For PPR pipes, connections are to be made by bonding.
 - Per tubat e celikut me diameter <math>Ø < 20'</math> lidhjet te behen me file / For steel pipes with a diameter $d < 20'$, connections shall be threaded.
 - Per tubat e celikut me diameter >math>Ø < 20'</math> lidhjet te behen me file / For steel pipes with a diameter $d > 20'$, connections shall utilize flanges.
9. Per ndertimin e linjave me tuba Pex-Al-Pex, me tuba PPR me ngjirje te respektohen kushtet teknike te pershkrues ne instruktohet e prodhueses perkatese / When constructing lines with Pex-Al-Pex pipes and PPR pipes through bonding, the technical conditions specified in the manufacturer's instructions must be adhered to.
10. Vendosja e linjave hidraulike te behet me varesose mbeshtetese me fasheta termike. Vareset duhet te shperndahen sipas normave ne varesose ose mbeshtetese fise dhe varesose ose mbeshtetese meshqetese ne menyne qe te lejojte dilatacionin e ndryshime gjate kalimit te fluiddi me temperaturat e punes dhe te shmanj deformimin e tyre ose tensionimin e varesose ose mbeshteteseve / The installation of hydraulic lines must be supported by hangers or brackets equipped with thermal straps. Hangers should be distributed according to standards, utilizing fixed and sliding hangers to accommodate thermal expansion during fluid flow while preventing deformation or undue tension.
11. Shperndarja e fashetave do te vendosen ne kolonat vertikale jo me larg se 15D dhe ne shtrirjet horizontale jo me pak se 10D. Gjithashtu ne fundet e kolonave vertikale te parashikohen mbeshtetese ne perputhje me ngjirjesen qe ustruhen kolonat ne gjendje pune (te mbushura me uje) / The spacing of brackets must not exceed 15D for vertical columns and should not be less than 10D for horizontal runs. Additionally, vertical column bases must be supported in accordance with the load exerted by the columns when operational (water-filled condition).
12. Grupi i furnizimit me uje te fashetave perberet nga elementet e domosdoshem qe jane: dy sarranese nderpresese me hollandez, filter mekanik Y me rreze, reduktor presion, valvul meqsimi, sahat i ujit dhe rre pike per margjin e analizave te ujit. Te gjitha raketoret duhet te jene Bronz i pa kromuar, me permirajje te ulet plumbi, te adaptueshme me cdo lloj linje tjeter ne krah / The cold sanitary water supply group must comprise essential components, including two stop valves with incorporated Dutch fittings, a Y-type mechanical filter, a pressure reducer, a non-return valve, a water meter, and a sampling point for water analysis. All fittings must be uncoated bronze with low lead content and compatible with various connection types.
13. Instalimi i pompave duhet te behet duke respektuar skedat teknike te tyre dhe kushtet e instalimit sipas rekomandimit te prodhueses dhe ne perputhje me kerkesat e projektit. / The installation of pumps must comply with their technical data sheets and installation conditions as recommended by the manufacturer and in accordance with project requirements.
14. Pompat horizontale vendosen ne dysheme teknike dhe jane te pajisur me bazament betoni ose celiku me peshe te barabarte me 1.5 here peshen e pompes. Nuk lejohet qe pompat horizontale te vendosen mbi amortizatore te gfredollor / Horizontal pumps are to be installed on the technical floor, supported by a concrete or steel base with a weight equal to 1.5 times the weight of the pump. The placement of horizontal pumps on any type of vibration isolator is prohibited.
15. Te gjitha linjat hidraulike te imantirimit te furnizimit me uje te cilat perfaqshin ambientin teknik dhe kolonat e vendosura ne shaft duhet te shenohen me targeta dhe me shigjeta sipas destinacionit dhe drejtim te fluiddi termik tin tyre si dhe funksionet e te gjitha komponenteve imantistik / All hydraulic lines within the water supply system, including those in the technical environment and the columns located in the shaft, must be marked with tags and arrows indicating the destination and direction of the thermal fluid, along with the functions of all system components.
16. Per me teper referencen Relacioni Teknik, Shemimeve Tekniki si dhe instruktohet te vecanta te pershkrues ne Manualat Teknikte te prodhueses te komponenteve te ndryshme imantistik / For further details, refer to the Technical Report, Technical Notes, and specific instructions outlined in the Technical Manuals of the various system component manufacturers.

**JO PER ZBATIM
NOT FOR CONSTRUCTION**

00	Shator 2024	Projekt Leje / Permitting Design	
RISH. NR. REV. NO.	DATA	QËLLIMI I DORËZIMIT / PURPOSE OF ISSUE	SHËNIM / PERSHKRIM REMARK / DESCRIPTION

INVESTITORI / CONTRACTING AUTHORITY

FONDI SHOIPTAR I ZHVILLIMIT

KONSULENTI INXHINIERIK / ENGINEERING CONSULTANT

Nr. Licensës: N 5221/16

ICE
ILLYRIAN CONSULTING ENGINEERS
Adresa: Rr. "Sami Frasheri", Pallati "Bjona", Kati 11, Tirane, SHQIPËRI
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	Alta VOKA	K.1340/2		
	Artjola ZOTAJ			
	Silvia GJONAJ			
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	Ibër PUCI			
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	Abdurrahman SPAHIU	K.1571/5		
	Taulant KARRIQI	K.1547/6		
Miratoli / Approved by:	Emira BERISHA	E.0550/4		
	Oset HAXHIU	K.1619/5		

LEGJENDE / LEGEND

- LINJA E FURNIZIMIT ME UJË TE FTOHTE / COLD WATER SUPPLY LINE
- LINJA E FURNIZIMIT ME UJË TE NGROHTE / HOT WATER SUPPLY LINE
- LINJA E RIQARKULLIMIT TË UJIT TË NGROHTE / HOT WATER RECIRCULATION LINE
- KOLLONE E FURNIZIMIT ME UJË TE FTOHTE / COLD WATER SUPPLY COLUMN
- KOLLONE E FURNIZIMIT ME UJË TE NGROHTE / HOT WATER SUPPLY COLUMN
- KOLLONE E RIQARKULLIMIT TË UJIT TË NGROHTE / HOT WATER RECIRCULATION COLUMN
- MISHELATOR
- VALVUL ME SFERE / BALL VALVE
- TUBA FLEKSIBEL / FLEXIBLE PIPE
- KOLEKTORI I FURNIZIMIT ME UJË SANITAR / SANITARY WATER SUPPLY COLLECTOR

DETAJ TIP I KOLEKTORIT TE FURNIZIMIT ME UJË SANITAR

1. Kasete kolektori
2. Xhurto për tub PEXAL
3. Sarranese këndore me hollandez
4. Xhurto me presim për tub PEXAL
5. Valvul ndërpresëse manuale në trup të kolektorit
6. Kolektor bronzi me 3 dalje
7. Linjë dërgimi uji i ngrohtë, tub PEXAL
8. Linjë dërgimi uji i ftohtë, tub PEXAL
9. Linjë furnizimi uji i ngrohtë, tub PPR
10. Linjë furnizimi uji i ftohtë, tub PPR

* Te gjitha linjat jane te termozoluara.

TITULLI I PROJEKTT / PROJECT TITLE

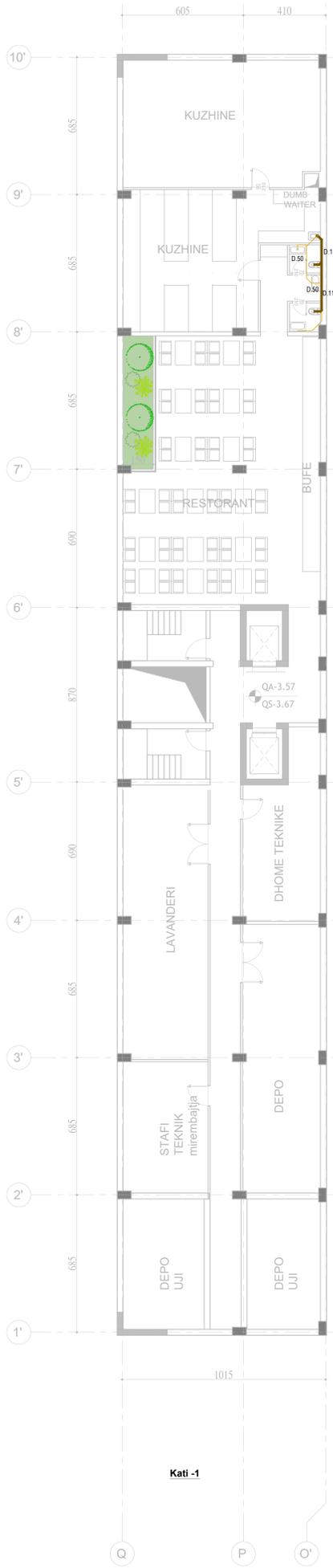
**NDERTIMI I GODINËS SË PARKIMIT MULTIFUNKSIONAL ME SHUMË NIVELE NË QENDRËN SPITALORE UNIVERSITARE "NËNË TEREZA" TIRANË (QSUT)
CONSTRUCTION OF THE MULTI-LEVEL MULTI-FUNCTIONAL PARKING BUILDING AT THE UNIVERSITY HOSPITAL CENTER "MOTHER TERESA" TIRANA (QSUT)**

EMRI I DOKUMENTIT / DOCUMENT TITLE

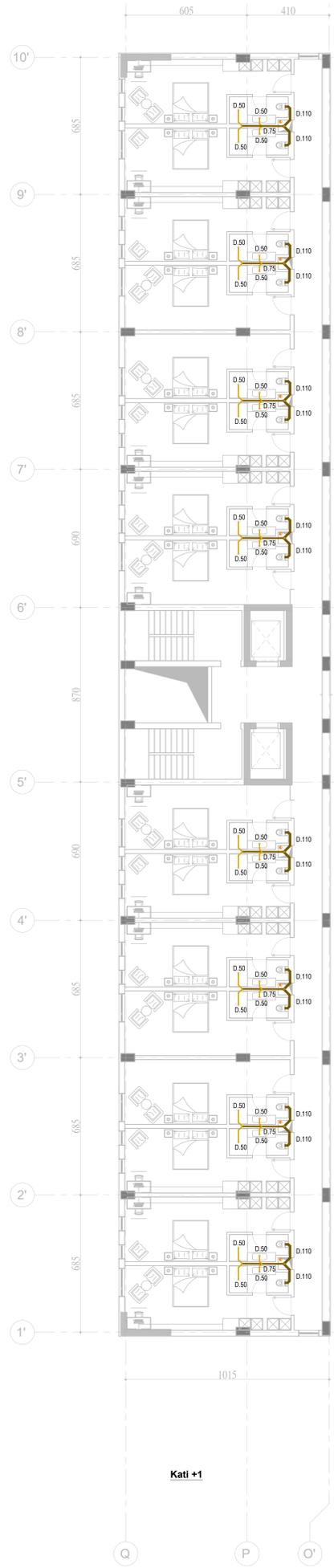
**RRJETI I BRENDSHËM I FURNIZIMIT ME UJË / INTERNAL WATER SUPPLY SYSTEM
Skema Vertikale/ Vertical Schema**

FAZA E PROJEKTT / PROJECT PHASE	Nr. i Dokumentit / Document No.	Shkalla / Scale	Rishikimi / Review	Përmasa e fletës / Page Size	Fleta / Page No.
PROJEKT LEJE / PERMITTING DESIGN	H01	1:100	00	A1 (841x594mm)	6/6

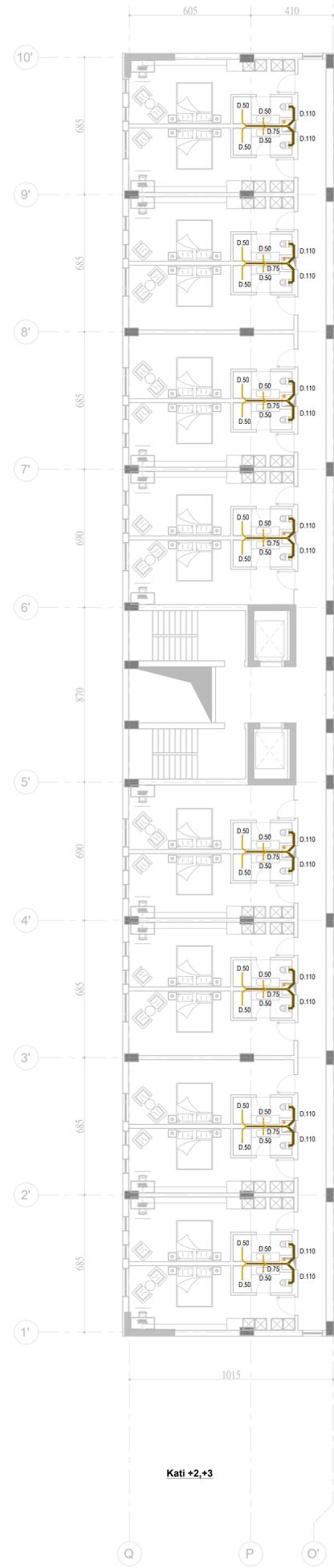
RRJETI I BRENDSHËM I SHKARKIMEVE TË UJËRAVE TË NDOTURA /
INTERNAL SEWER WATER SYSTEM
Sh. / Sc. 1:100



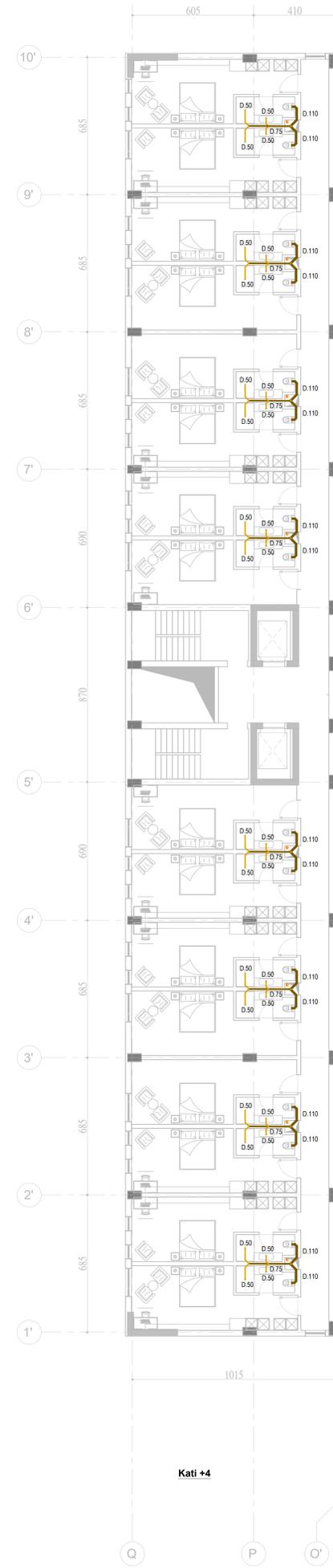
Kati -1



Kati +1



Kati +2,+3



Kati +4

Sistemi i shkarkimeve dhe drenazhimit te ujrave te shiut / Rainwater drainage and discharge system

Shkarkimi i ujrave te zeza eshte projektuar sipas Normes teknike EN 12056 - 2 / The discharge of wastewater is designed in accordance with the technical standard EN 12056 - 2.

Tubacioni shkarkimi prej material PE-HD, i certifikuar per shkarkime sanitare brenda godines, per bashkim me teknologjine me elektrosalim, seria Silencioze, spesor dhe densitet i larte (d=1700 kg/m3) per veti reduktuese te zhurmave deri ne 20dB. Rezistent ndaj temperaturave te larta dhe te uleta, veteshuare, i certifikuar sipas Normes Teknike EN 1451. Te pakten, emri i prodhuesit, diametri dhe spessori i tubit, norma sipas se ciles eshte certifikuar, duhet te jene te stampuar ne te gjitha gjatesine e tubit.
The discharge piping is made of PE-HD material, certified for sanitary discharges within the building, designed for electrofusion technology, of the Silencioze series, with high thickness and density (d ≥ 1700 kg/m³) for noise reduction properties up to 20 dB. It is resistant to both high and low temperatures, self-extinguishing, and certified according to technical standard EN 1451. At a minimum, the manufacturer's name, pipe diameter, and thickness, along with the applicable certification standard, must be marked along the entire length of the pipe.

Dimensionimi i sistemit te shkarkimeve dhe drenazhimit eshte ne perputhje me Normative Teknike Europiane EN 12056 - 1, 2, 3, 4, 5. The design of the drainage and discharge system complies with European Technical Standards EN 12056 - 1, 2, 3, 4, 5.
Diametri i jashtem per tubacionet e shkarkimeve te pajisjeve sanitare te brendshme jane :
The external diameters for the discharge pipes of the internal sanitary fixtures are as follows

- WC.....DN 110
- Lavaman, bide, dushi / Washbasin, bidet, shower.....DN 50
- Lavapajate, lavatrice / Dishwasher, washing machine.....DN 50

Sistemi fiksimi me fashete me gome, strukture metalike me elemente te zinkuar ne te nxhete per fiksimin vertikal apo horizontal te tubacioneve sipas pershkimeve te projektit dhe / ose te indikacioneve te prodhuesit. / The fixation system consists of rubber straps and a metal structure with galvanized elements for vertical or horizontal fixation of the piping, in accordance with project specifications and/or manufacturer instructions.

JO PER ZBATIM
NOT FOR CONSTRUCTION

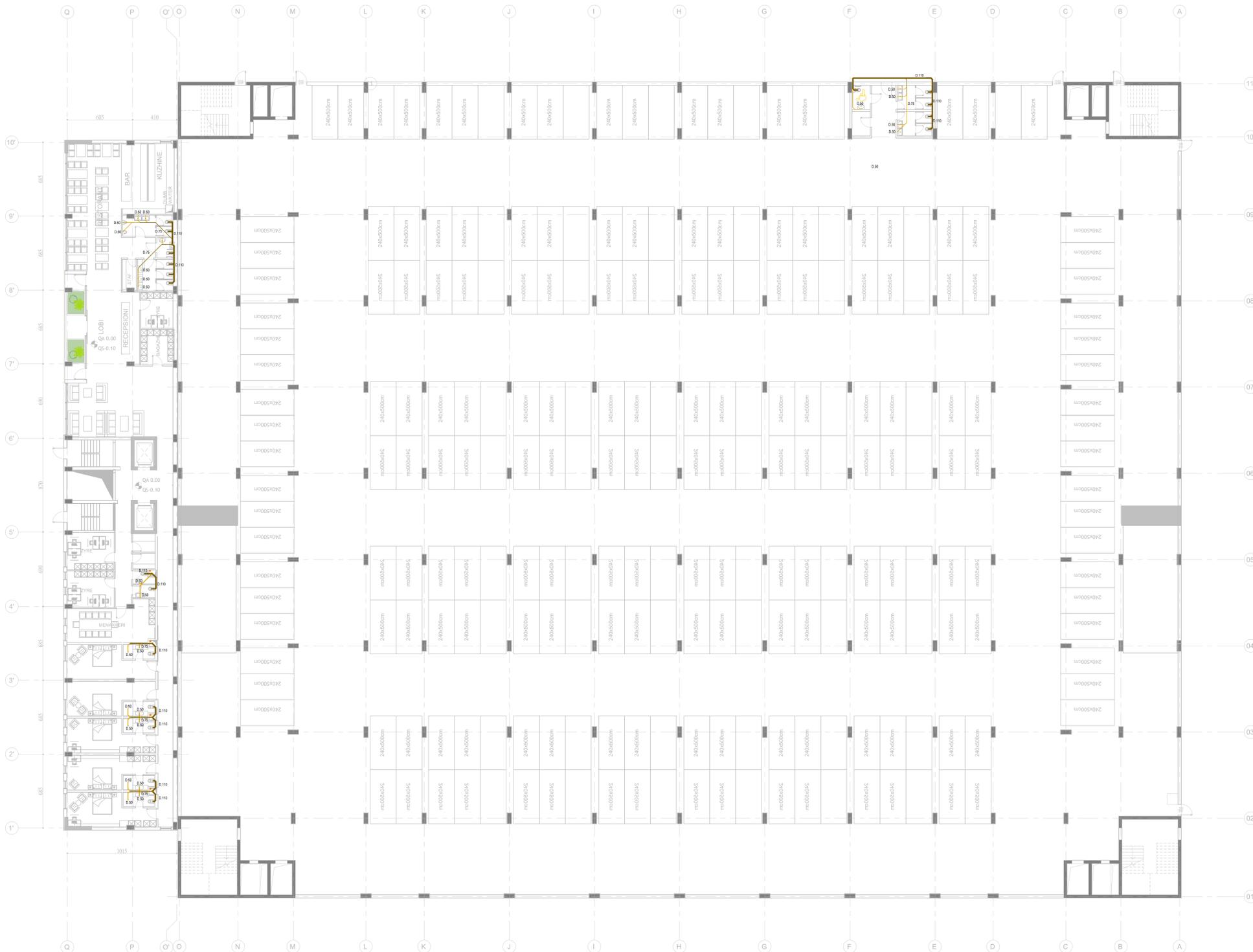
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<table border="1"> <thead> <tr> <th>Profesioni/Position</th> <th>Emri/Name</th> <th>No. License/Autorizimi</th> <th>Firma/Signature</th> </tr> </thead> <tbody> <tr> <td>Projektant / Prepared by:</td> <td>Blendi Saraci</td> <td>A/2173</td> <td></td> </tr> <tr> <td>Ing. Shkarkimi / Structural Eng.</td> <td>Anisa SPAHJU</td> <td>K/10584</td> <td></td> </tr> <tr> <td>Ing. Shkarkimi / Structural Eng.</td> <td>Ajla VORA</td> <td>K/13402</td> <td></td> </tr> <tr> <td>Ing. Hidroshkarkimi / Hydraulic Eng.</td> <td>Artur DITAJ</td> <td></td> <td></td> </tr> <tr> <td>Ing. Hidroshkarkimi / Hydraulic Eng.</td> <td>Silva GJONAJ</td> <td></td> <td></td> </tr> <tr> <td>Ing. Hidroshkarkimi / Hydraulic Eng.</td> <td>Anahita BICI</td> <td></td> <td></td> </tr> <tr> <td>Ing. Elektrik / Electrical Eng.</td> <td>Ena HAVERRKU</td> <td>E/1450</td> <td></td> </tr> <tr> <td>Ing. Elektrik / Electrical Eng.</td> <td>Iber PUCI</td> <td></td> <td></td> </tr> <tr> <td>Ing. Mekanik / Mechanical Eng.</td> <td>Mirvald PELLA</td> <td>M/1288</td> <td></td> </tr> <tr> <td>Ing. Mekanik / Mechanical Eng.</td> <td>Besnik KARAJ</td> <td>M/2592</td> <td></td> </tr> <tr> <td>Koordinatori / Checked by:</td> <td>Abdurrahman SPAHJU</td> <td>K/15715</td> <td></td> </tr> <tr> <td>Koordinatori / Checked by:</td> <td>Techin KARROCI</td> <td>K/14376</td> <td></td> </tr> <tr> <td>Ing. Elektrik / Electrical Eng.</td> <td>Emira BERISHA</td> <td>E/25524</td> <td></td> </tr> <tr> <td>Shef i Projektit / Project Manager:</td> <td>Oliver HADRIU</td> <td>K/16195</td> <td></td> </tr> </tbody> </table>						Profesioni/Position	Emri/Name	No. License/Autorizimi	Firma/Signature	Projektant / Prepared by:	Blendi Saraci	A/2173		Ing. Shkarkimi / Structural Eng.	Anisa SPAHJU	K/10584		Ing. Shkarkimi / Structural Eng.	Ajla VORA	K/13402		Ing. Hidroshkarkimi / Hydraulic Eng.	Artur DITAJ			Ing. Hidroshkarkimi / Hydraulic Eng.	Silva GJONAJ			Ing. Hidroshkarkimi / Hydraulic Eng.	Anahita BICI			Ing. Elektrik / Electrical Eng.	Ena HAVERRKU	E/1450		Ing. Elektrik / Electrical Eng.	Iber PUCI			Ing. Mekanik / Mechanical Eng.	Mirvald PELLA	M/1288		Ing. Mekanik / Mechanical Eng.	Besnik KARAJ	M/2592		Koordinatori / Checked by:	Abdurrahman SPAHJU	K/15715		Koordinatori / Checked by:	Techin KARROCI	K/14376		Ing. Elektrik / Electrical Eng.	Emira BERISHA	E/25524		Shef i Projektit / Project Manager:	Oliver HADRIU	K/16195	
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TITULLI I PROJEKTTIT / PROJECT TITLE
NËRTIMI I GODINËS SË PAKIMIT MULTIFUNKSIONAL ME SHUMË NIVELE NË QENDRËN SPITALORE UNIVERSITARE "NËNË TEREZA" TIRANË (QSUT)
CONSTRUCTION OF THE MULTI-LEVEL MULTI-FUNCTIONAL PARKING BUILDING AT THE UNIVERSITY HOSPITAL CENTER "MOTHER TERESA" TIRANA (QSUT)

EMRI I DOKUMENTIT / DOCUMENT TITLE
RRJETI I BRENDSHËM I SHKARKIMEVE TË UJËRAVE TË NDOTURA / INTERNAL SEWER WATER SYSTEM
 Kati / Floor -1,+1,+2,+3,+4

FAZA E PROJEKTTIT / PROJECT PHASE	No. i Dokumentit / Document No.	Shkala / Scale	Rishikimi / Review	Firmata e Fellos / Page Size	Fleta / Page No.
PROJEKT LEJE / PERMITTING DESIGN	H02	1:100	00	A0 (1189x841mm)	1/3

RRJETI I BRENDSHËM I SHKARKIMEVE TË UJËRAVE TË NDOTURA /
INTERNAL SEWER WATER SYSTEM
Sh. / Sc. 1:150



Sistemi i shkarkimeve dhe drenazimit te ujrave te shiut / Rainwater drainage and discharge system

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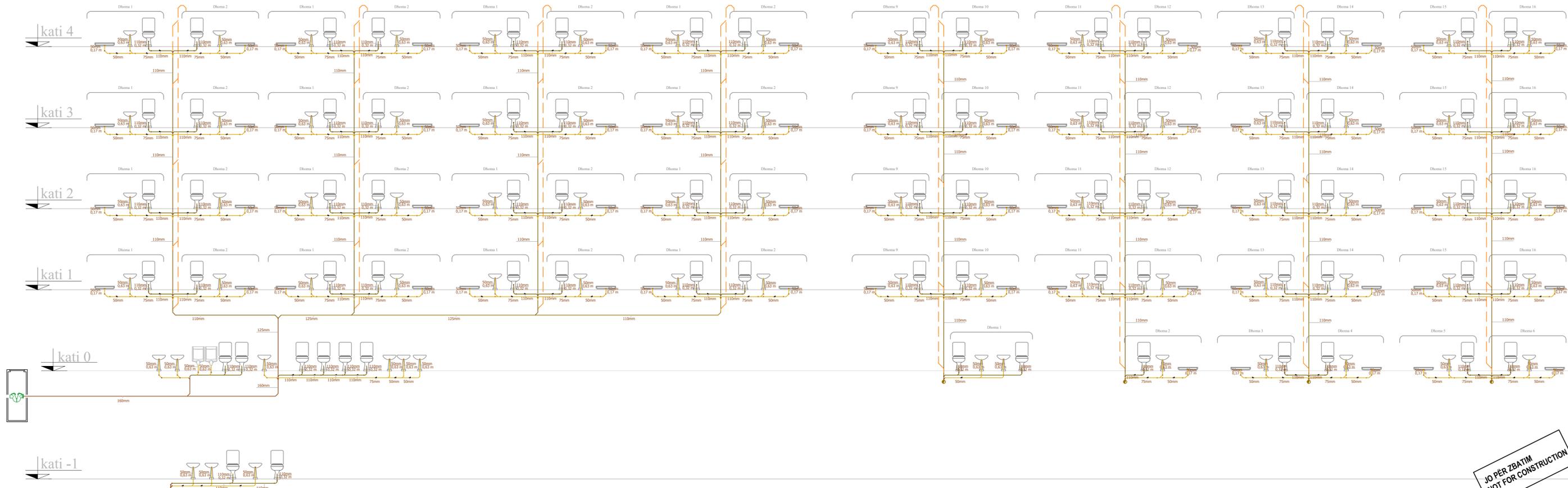
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Lavaman, bide, dushi / Washbasin, bidet, shower.....DN 50
Lavapajate, lavatrice / Dishwasher, washing machine.....DN 50

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00		Shator 2024		Projekt Leje / Permitting Design	
NR. REV.	DATA	QËLLIMI / DORZIMIT	SHEMJA / PËRSHKRIM		
NO.		PURPOSE OF ISSUE	REMARK / DESCRIPTION		
INVESTITOR		<p>FONDI SHQIPTAR I ZHVILLIMIT</p>			
CONTRACTING AUTHORITY					
KONSULENTI INZHINIERIK		<p>ICE</p>			
ENGINEERING CONSULTANT		<p>ALL RIGHTS RESERVED. TËRHEKJE E DOKUMENTIT Adresa: "Rr. "Dëshmorët" Pasha, Tiranë, Shqipëri, Tiranë, Shqipëri Tërbërës: 0114 44 111 (118544 lines)</p>			
Nr. Licenses:		N 5221/16			
Licence No:		N 5221/16			
Përgatit / Prepared by:	Profesioni/Position	Emri/Name	Nr. Licenses/Licence No.	Firma/Signature	
Ing. Shkurtari / Structural Eng.	Bled Sazci	A.2173			
Ing. Shkurtari / Structural Eng.	Anis SPAHU	K.10584			
Ing. Hidrorenk / Hydraulic Eng.	Ajda JOTAJ	K.13402			
Ing. Hidrorenk / Hydraulic Eng.	Silva GLONAJ				
Ing. Hidrorenk / Hydraulic Eng.	Anahita BEO				
Ing. Elektrik / Electrical Eng.	Enis HAVERRKU	E.1450			
Ing. Elektrik / Electrical Eng.	Iber PRIC				
Ing. Mekanik / Mechanical Eng.	Mirval PELLA	M.1288			
Ing. Mekanik / Mechanical Eng.	Besnik KARAJ	M.02562			
Kontrollor / Checked by:					
Koordinatori Projekti	Abdurrahman SPAHU	K.15715			
Projekt Koordinator	Tasnim HARROCI	K.14476			
Ing. Shkurtari / Structural Eng.	Enira BERISHA	E.05504			
Ing. Elektrik / Electrical Eng.	Oliver HADRIU	K.16195			
Mbledh / Approved by:					
TITULLI I PROJEKTTIT					
PROJECT TITLE					
<p>NDËRTIMI I GODINËS SË PARKIMIT MULTIFUNKSIONAL ME SHUMË NIVELE NË QENDRËN SPITALORE UNIVERSITARE "NËNË TEREZA" TIRANË (QSUT) CONSTRUCTION OF THE MULTI-LEVEL MULTI-FUNCTIONAL PARKING BUILDING AT THE UNIVERSITY HOSPITAL CENTER "MOTHER TERESA" TIRANA (QSUT)</p>					
EMRI I DOKUMENTIT					
DOCUMENT TITLE					
RRJETI I BRENDSHËM I SHKARKIMEVE TË UJËRAVE TË NDOTURA / INTERNAL SEWER WATER SYSTEM					
Kati Parë / Ground Floor					
FAZA E PROJEKTTIT	Nr. i Dokumentit	Shkala	Rishikimi	Përmasa e Fletës	Fleta
PROJECT PHASE	Document No.	Scale	Review	Page Size	Page No.
PROJEKT LEJE / PERMITTING DESIGN	H02	1:150	00	A0 (1185x841mm)	2/3

**RRJETI I BRENDSHËM I SHKARKIMEVE TË UJËRAVE TË NDOTURA /
INTERNAL SEWER WATER SYSTEM
Sh. / Sc. 1:50**



Do të lidhet me pusëtë dhe do të pompohet për në kuotën e Kolektorit KUZ / To be connected with manhole and to be pumped at collector elevation

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Sistemi i shkarkimeve dhe drenazimit të ujrave të shiut / Rainwater drainage and discharge system

Shkarkimi i ujrave të zeza është projektuar sipas Normes teknike EN 12056 - 2. / The discharge of wastewater is designed in accordance with the technical standard EN 12056 - 2.

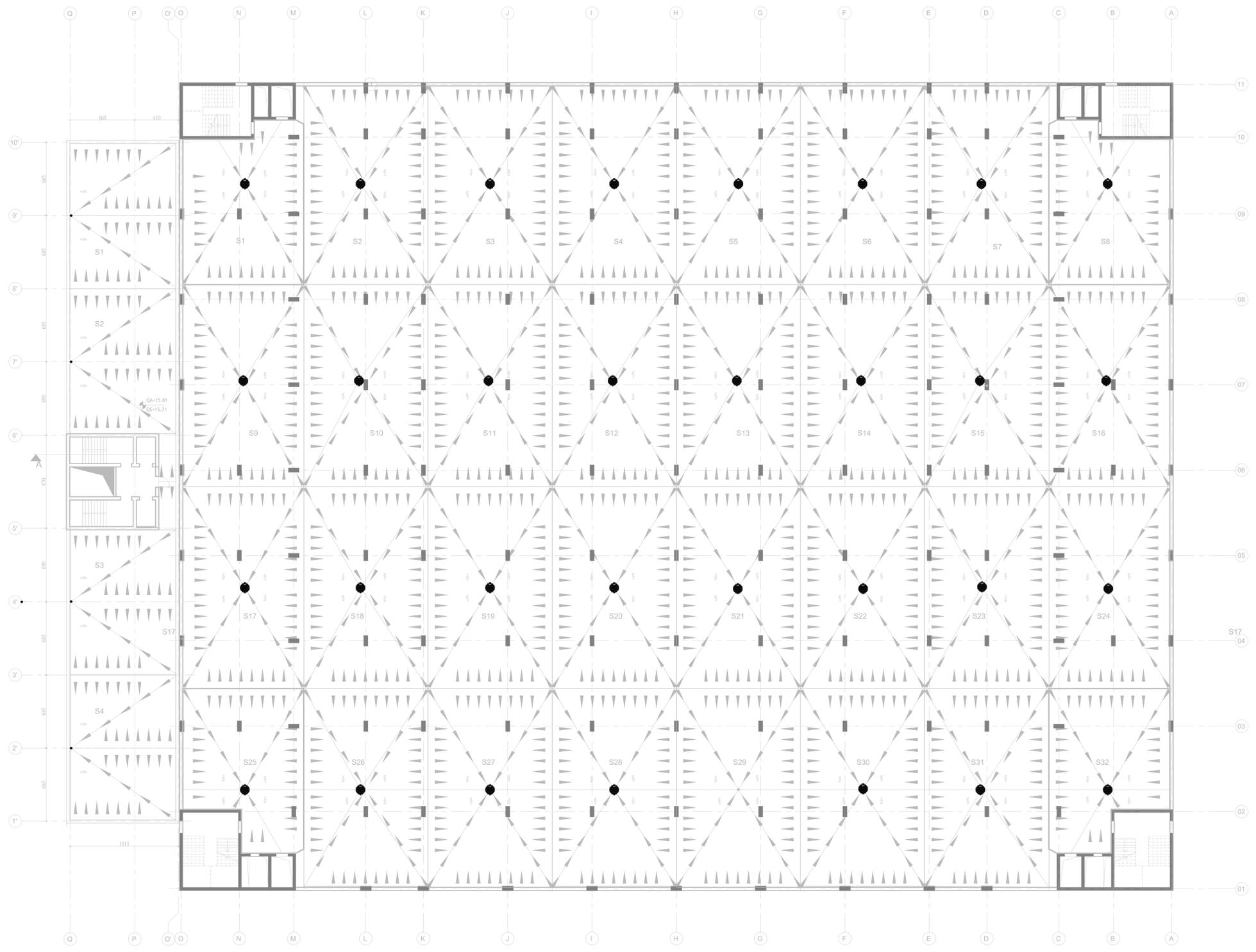
Tubacioni shkarkimi prej material PE-HD, i certifikuar për shkarkime sanitare brenda godines, për bashkim me teknologjinë me elektrosaldim, seria Silencioze, spesor dhe densitet i lartë ($d \geq 1700 \text{ kg/m}^3$) për veti reduktuese të zhurmave deri në 20dB. Rezistent ndaj temperaturave të larta dhe të ulëta, vetshuare, i certifikuar sipas Normes Teknike EN 1451. Te pakten, emri i prodhuesit, diametri dhe spesori i tubit, norma sipas së cilës është certifikuar, duhet të jenë të stampuar në të gjithë gjatësinë e tubit. The discharge piping is made of PE-HD material, certified for sanitary discharges within the building, designed for electrofusion technology, of the Silencio series, with high thickness and density ($d \geq 1700 \text{ kg/m}^3$) for noise reduction properties up to 20 dB. It is resistant to both high and low temperatures, self-extinguishing, and certified according to technical standard EN 1451. At a minimum, the manufacturer's name, pipe diameter, and thickness, along with the applicable certification standard, must be marked along the entire length of the pipe.

Dimensionimi i sistemit të shkarkimeve dhe drenazimit është në përputhje me Normative Teknike Europiane EN 12056 - 1, 2, 3, 4, 5. The design of the drainage and discharge system complies with European Technical Standards EN 12056 - 1, 2, 3, 4, 5. : Diametrat e jashtëm për tubacionet e shkarkimeve të pajisjeve sanitare të brendshme janë : The external diameters for the discharge pipes of the internal sanitary fixtures are as follows

- WC.....DN 110
- Lavaman, bide, dushi / Washbasin, bidet, shower:.....DN 50
- Lavapjate, lavatrice /Dishwasher, washing machine.....DN 50

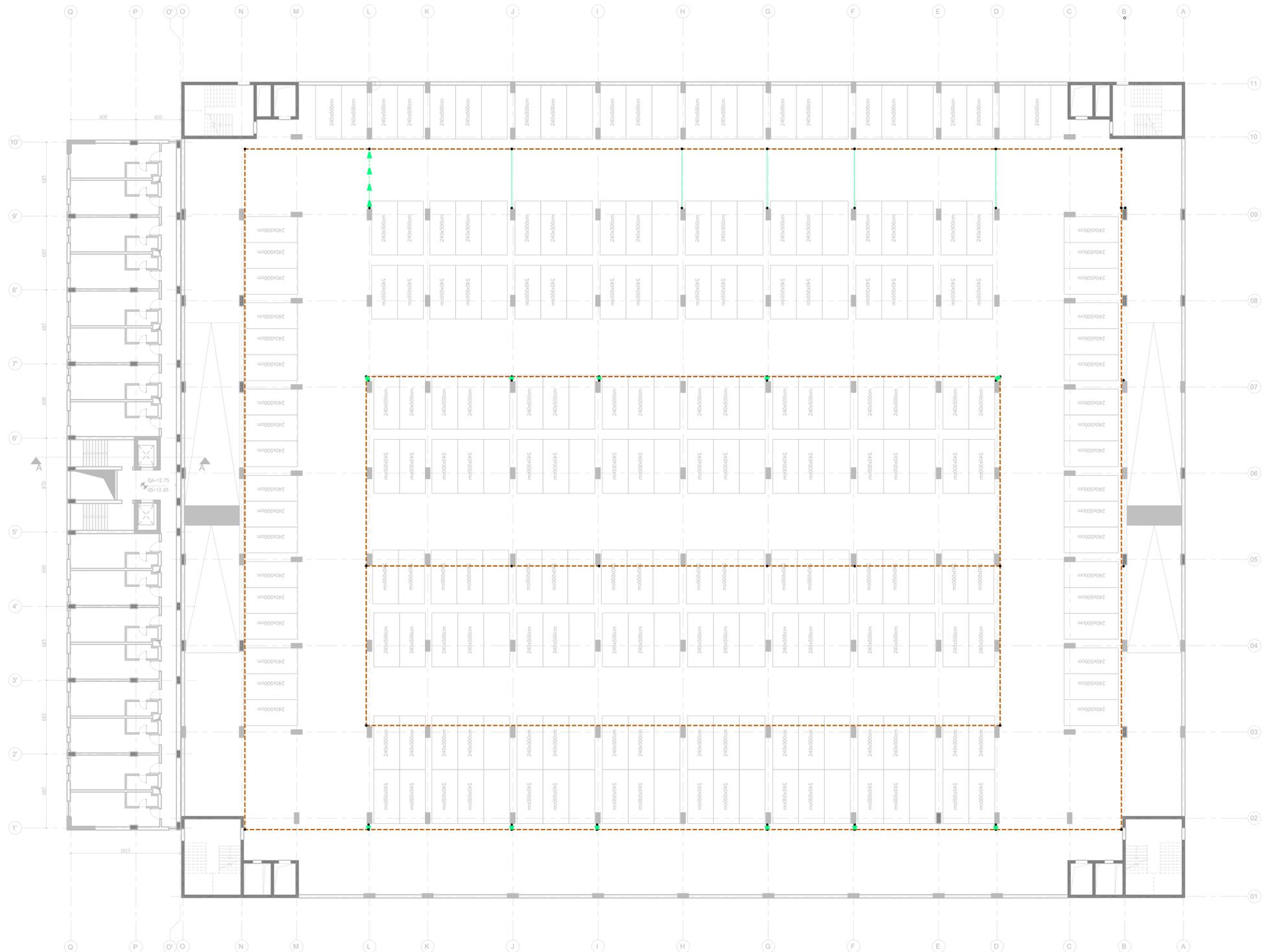
Sistemi fiksimit me fashete me gome, strukture metalike me elemente të zinkuar në të nxehet për fiksimit vertikal apo horizontal të tubacioneve sipas përkrahjeve të projektit dhe / ose të indikacioneve të prodhuesit. / The fixation system consists of rubber straps and a metal structure with galvanized elements for vertical or horizontal fixation of the piping, in accordance with project specifications and/or manufacturer instructions.

00 Shator 2024		Projekt Leje / Permitting Design	
RISH. NR.	DATA	QËLLIMI I DORËZIMIT	SHËNIM / PERSHKRIM
REV. NO.	DATE	PURPOSE OF ISSUE	REMARK / DESCRIPTION
INVESTITORI CONTRACTING AUTHORITY			
KONSULENTI INZHINIERIK ENGINEERING CONSULTANT			
Nr. Licenses: Licence No: N.5221/16			
Përgatit / Prepared by:	Pozicioni/Position	Emri/Name	Nr. Licenses/Licence No.
Arkitekt / Architect Ing. Strukturist / Structural Eng. Ing. Hidroteknik / Hydraulic Eng. Ing. Hidroteknik / Hydraulic Eng. Ing. Hidroteknik / Hydraulic Eng. Ing. Elektrik / Electrical Eng. Ing. Elektrik / Electrical Eng.	Arkitet / Architect	Bledi Saraci	A.2173
	Ing. Strukturist / Structural Eng.	Anila SPAHIU	K.1068/4
	Ing. Hidroteknik / Hydraulic Eng.	Alta VOKA	K.1340/2
	Ing. Hidroteknik / Hydraulic Eng.	Artija ZOTAJ	
	Ing. Hidroteknik / Hydraulic Eng.	Silvia GJONAJ	
	Ing. Hidroteknik / Hydraulic Eng.	Anzhela BICI	
Ing. Mekanik / Mechanical Eng. Koordinator Projekti Project Coordinator Ing. Strukturist / Structural Eng. Ing. Elektrik / Electrical Eng.	Ing. Mekanik / Mechanical Eng.	Enis HAVERIKU	E.1450
	Ing. Mekanik / Mechanical Eng.	Ibër PUCI	
	Ing. Mekanik / Mechanical Eng.	Marsel PYLLA	M.1288
	Koordinator Projekti Project Coordinator	Abdurrahman SPAHIU	K.1571/5
Miratit / Approved by: Drejtues Projekti Project Manager	Ing. Strukturist / Structural Eng.	Taulant KARRIQI	K.1547/6
	Ing. Elektrik / Electrical Eng.	Emira BERISHA	E.0550/4
Miratit / Approved by:		Oset HAXHIU	K.1619/5
TITULLI I PROJEKTI PROJECT TITLE			
NDËRTIMI I GODINËS SË PARKIMIT MULTIFUNKSIONAL ME SHUMË NIVELE NË QENDRËN SPITALORE UNIVERSITARE "NËNË TEREZA" TIRANË (QSUT) CONSTRUCTION OF THE MULTI-LEVEL, MULTI-FUNCTIONAL PARKING BUILDING AT THE UNIVERSITY HOSPITAL CENTER "MOTHER TERESA" TIRANA (QSUT)			
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FAZA E PROJEKTI PROJECT PHASE	Nr. i Dokumentit Document No.	Shkalla Scale	Rishikimi Review
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	Përmasa e fletës Page Size	Fleta Page No.	
	A1 (841x594mm)	3/3	



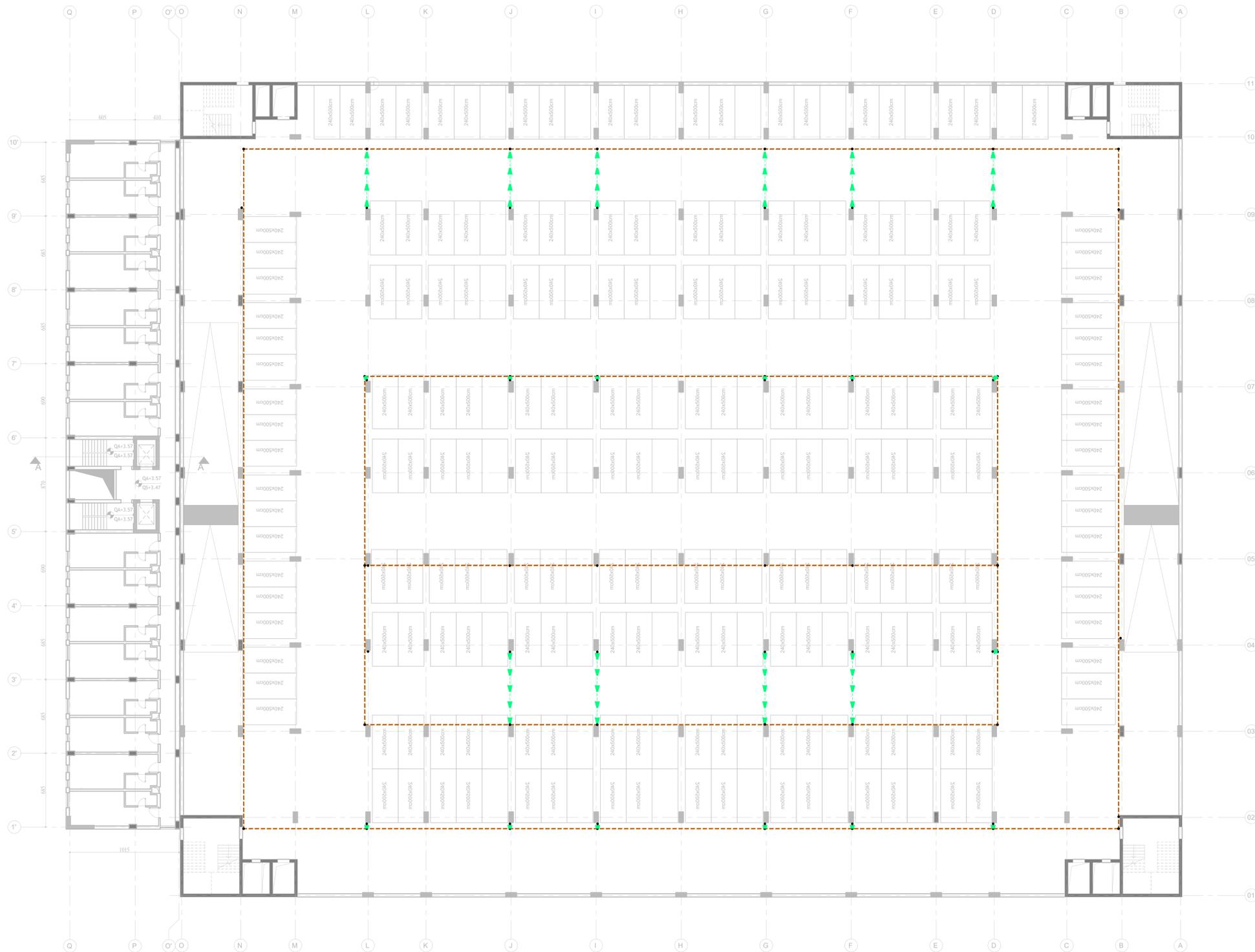
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KONSULENTI INZHINIERIK / ENGINEERING CONSULTANT																																																																										
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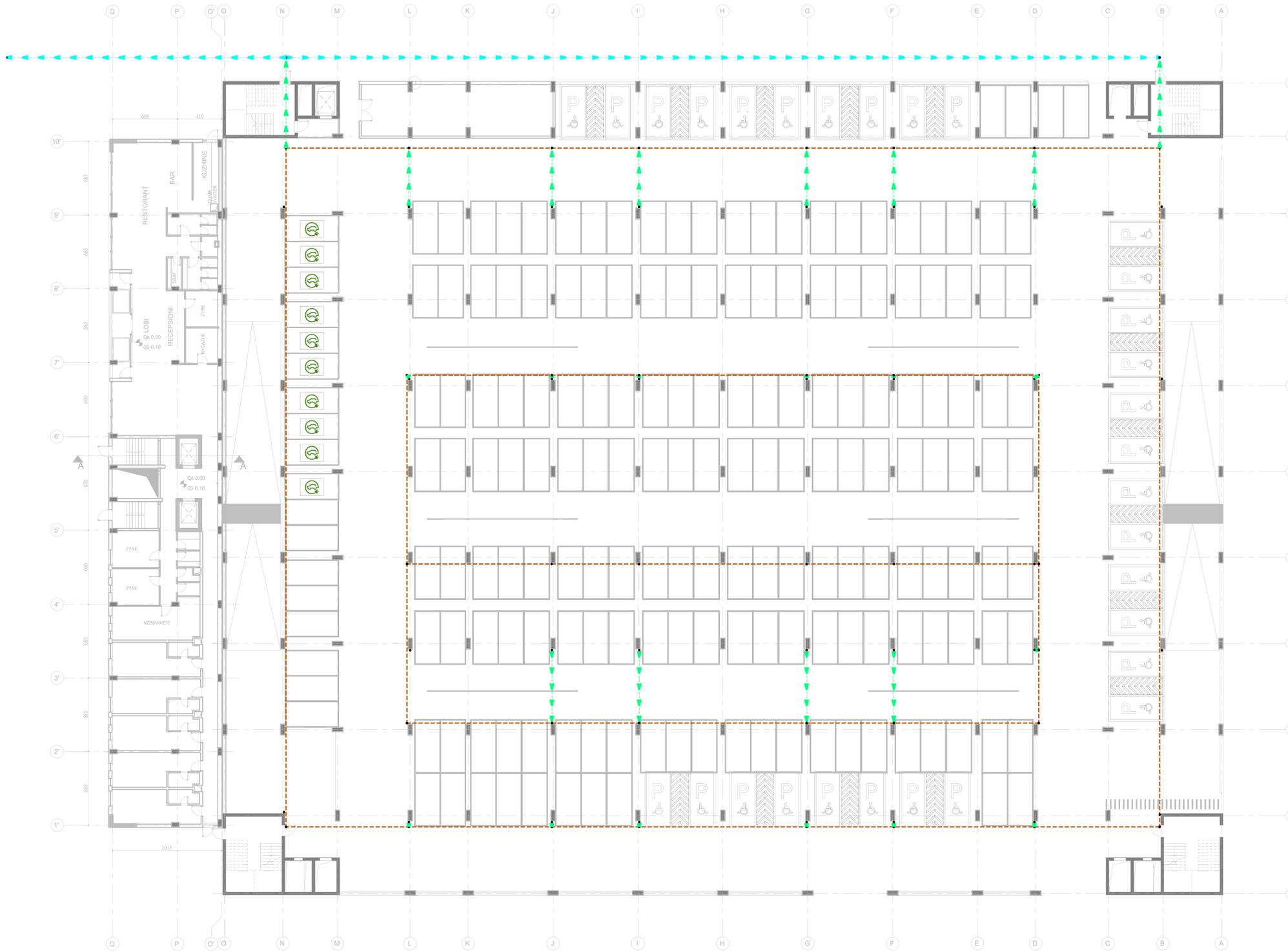
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<small>LLI VËRSHI DOKUMENTI KËRKOHEMËR Adresa: B. "Nënë Tereza", Fshat "Tërë", Krah. "Durrës", Shqipëri Tëlbërri: 0114 (Tirana) Tel: +355 42 222 111</small>																																																																											
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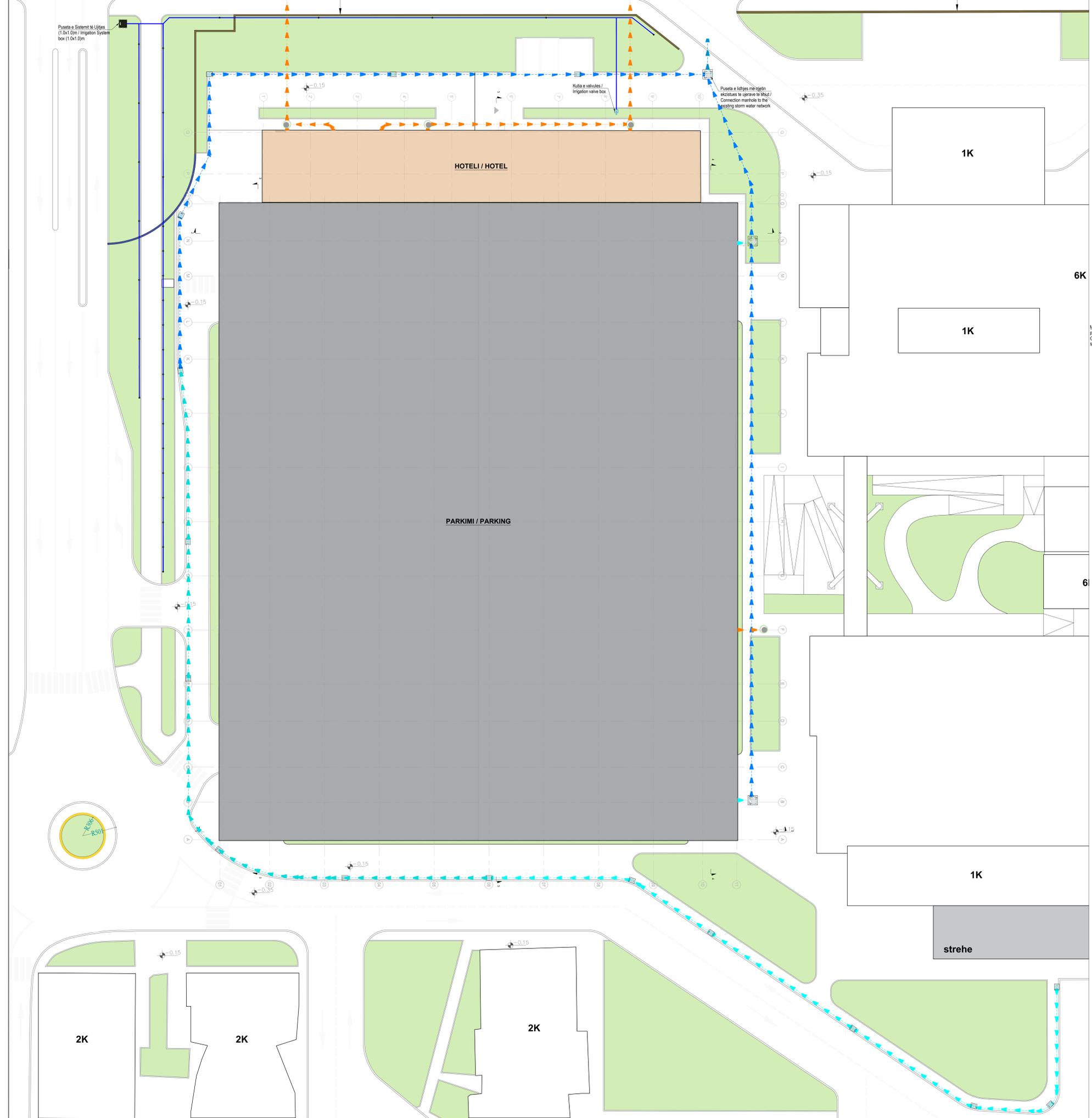
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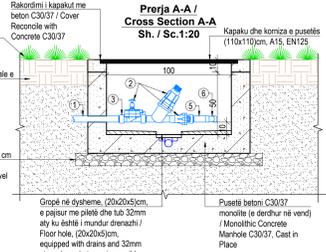
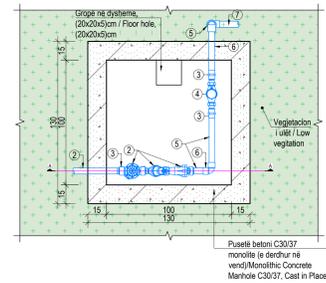
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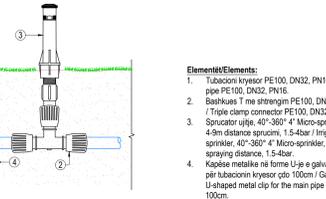
DETAJE TE UJITJES / DETAILS OF IRRIGATION

Plani i pusetës të pikës së lidhjes / Plan view of connection point manhole
Sh. / Sc. 1:20

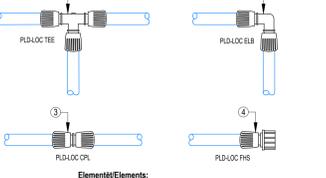


- Elementë / Elements:**
- Tub hyrës PE100, DN32 / Inlet pipe PE100, DN32
 - Grupi pusëtës kryesor të sistemit të ujërës, e cila përfshin: valvulin, filtrin dhe rregullatorin e presionit / The group of the main manhole of the irrigation system, which includes: valve, filter and pressure regulator
 - Adaptor femër ose redukues DN32 / Female adapter or reducer DN32
 - Metalë ujë HC DN32 me pjesët bashkuese / Water meter HC DN32 with connecting parts
 - Tub zgjatues DN32 / Extension tube DN32
 - Brynj PE100, 90° DN32 / Elbow PE100, 90° DN32
 - Tub dalje PE100, DN32 / Outlet pipe PE100, DN32
- Shënime / Note:**
- Gjatësia e tubacionit përpara matësit duhet të jetë min. 10xDN, gjatësia e tubit pas matësit duhet të jetë min. 5xDN / The length of the pipeline before the meter must be min. 10xDN, the length of the pipe after the meter must be min. 5xDN
 - Tubi hyrës dhe dalje duhet të jetë tub i drejtë pa përzgjedhje apo këmb deri pas këtyre gjatësive të specifikuar / Inlet and outlet pipe must be straight pipe with no fittings or return up to these specified lengths

Detaj i lidhjes së tubit me sprucatorin dinamik / Detail of the pipe connection to the dynamic sprinkler
Sh. / Sc. 1:20

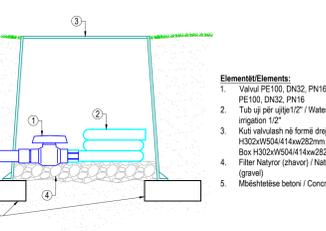


Detaje të lidhjes së tubit Ø32 / Pipe connection details Ø32
Sh. / Sc. 1:10



- Elementë/Elements:**
- Bashkues i trefishë me shtrëngim, PE, Ø32mm / Triple clamp connector, PE, Ø32mm
 - Brynj bashkues me shtrëngim, PE, Ø32mm / Elbow with clamp, PE, Ø32mm
 - Bashkues me shtrëngim, PE, Ø32mm / Clamp connector, PE, Ø32mm
 - Tapë fundore PE, Ø32mm / End cap PE, Ø32mm

Detaj i pusetës së saracineskës për ujë / Detail of the ball valve manhole for irrigation
Sh. / Sc. 1:20



- Elementë/Elements:**
- Valvë PE100, DN32, PN16 / Ball Valve PE100, DN32, PN16
 - Tub ujë për ujë 1/2" / Water pipe for irrigation 1/2"
 - Kufi valvulash në formë drejtkëndore H300xW500xL44xW22mm / Ball Valve Box H300xW500xL44xW22mm
 - Filtr Natyror (zhavor) / Natural Filter (gravel)
 - Mbrojtëse betoni / Concrete supports

- SHENIME / NOTES:**
- Sistemi koordinativ: KRGJSH 2010 / Coordinate system: KRGJSH 2010.
 - Mëmasat janë dhënë në cm, ndërsa diametri i tubacioneve në mm / The dimensions are given in centimeters, while the diameter of the pipes is in millimeters.
 - Pika e lidhjes të sistemit të ujërës së bashku me vendosjen e pusëtës do të gjykohet në vend / The connection point of the irrigation system with the placement of the valve box will be judged on site.
 - Rrethi i furnizimit për ujë do të rrethohet me tubacion PE100, PN16, DN32 / The main irrigation network will be made with PE100 pipes, PN16, DN32.
 - Në kërkim të tubacionit kryesor në rrugë të asfaltuara duhet të bëhet me pajtues këmbë me tub metalik / The crossings of the main pipeline on paved roads, if necessary, to use a metal casing.
 - Positionimi i saktë i pusëtave të ujërës të shiut dhe ujërës të ndotura të bëhet në vend duke patur parasysh edhe rrethin ekzistues në të cilin do të lidhen / The accurate positioning of stormwater and wastewater manholes should be done on-site, taking into account the existing network to which they will be connected.
- LEGJENDA / LEGEND:**
- Tubacioni kryesor PE100, DN32, PN16 / Main pipe PE100, DN32, PN16
 - Tub metalik, 1.5m / Steel pipe, 1.5m
 - Sprucator ujë, 40°-360°, 4-9 m rreze sprucimi (254 m²), 1.5-4 bar, 1/2" / Irrigation sprinkler, 40°-360°, 4-9 m spraying distance, (254 m²), 1.5-4 bar, 1/2"
 - Tubacioni HDPE i brinjëzuar DN250, SN8 / Rainwater Computed pipe DN250 SN8
 - Tubacioni HDPE i brinjëzuar DN435, SN8 / Rainwater Computed pipe DN435 SN8
 - Tubacioni HDPE i brinjëzuar DN405, SN8 / Rainwater Computed pipe DN405 SN8
 - Tubacioni HDPE i brinjëzuar DN500, SN8 / Rainwater Computed pipe DN500 SN8
 - Pusëtë e ujërës të shiut (40x60)cm, me zgara C250 / Rain Water manhole (40x60)cm, with gully drain C250
 - Pusëtë e ujërës të ndotura, DN 250, HDPE / Sewer water pipe, DN 250, HDPE
 - Tubacioni i ujërës të ndotura, DN1000mm / Sewage manhole, DN1000mm

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