

**TECHNICAL SPECIFICATIONS
FOR RECONSTRUCTION OF

DEVELOPMENT CENTER

IN

VLORA**

PRESENTATION

This technical specification is the contractual document, drawn up especially for works of reconstruction of “DEVELOPMENT CENTER” in Vlora.

Items listed in this specification, corresponding to the voices of BoQ, based on project design and in "Technical Manual construction price and technical analysis" approved by Council of Ministers nr. 629, date 15.7.2015.

Quality standards materials used are, those of the Albanian state for materials manufacturing country and the countries of the European Union to import materials. In these cases the administrator already kontratres origin certificate may request and certificates of quality and technical performance data of the items to be supplied.

Standards used in this technical specification are not reliant on project drawings or technical requirements for design and implementation, but also in legal manuals and other books.

Subject involved in drafting this reconstruction, in case the problem may make suggestions, improvements and amendments to those specifications, if required by the potential changes to the categories of works or the lack of details and materials.

GENERAL

The paragraph in this section are complementary to the details in the contract and contractor serving for bid preparation phase and implementation phase supervisor. Contractor and supervision should note that:

Materials replacment specified in the contract document shall be made only with the approval of the supervisor if the material proposed to be replaced is the same or better than specified or if the materials of specified materials can not be brought on the construction site in time to complete the work of the Contract, due to conditions beyond the control of the Contractor. That this be taken into account, the request for substitution shall be accompanied by a quality dokument- evidence, in the form of quotation certified and guarantee the delivery date of the suppliers of the two materials, as specified material both to him It proposed to be changed.

The contractor will verify all dimensions, quantities and details shown in the drawings, graphs, or other data and the employer will not be liable for any deficiencies or inconsistencies found in them. Non-disclosure or correction of errors or inconsistencies will not relieve the Contractor from responsibility for unsatisfactory work. The Contractor shall assume all responsibility in making the calculations sizes, types and quantities of materials and equipment involved in the work to be done under the Contract. He will not be allowed to have advantages from any error or discrepancy, while a full instruction will be given by the employer if such errors or discrepancies will be detected.

The contractor will not be made any payment on unit prices quoted for mobilization costs ie. to provide transportation, light, energy, tools and equipment, or for the supply of the building and maintenance of plants of the building, entrance roads, sanitation removal of waste commodities, work, water supply, protection against fire, Bango work, guards, telephone networks and other temporary structures, equipment and materials, or for medical care and health protection, or for patrols and guards, or for any other service, facilities, extensive, or materials necessary or required for implementation It works in accordance with what is stipulated in the contract.

The contractor will organize the construction, mirembajen and then move you and to restore every street entrance that will have on the implementation of works. Relocation will include the adaptation of the area with each street entrance and at least the level of safety, sustainability and the drainage of surface water equivalent to what existed before the contractor to enter the plaza.

The water needed for the implementation of the works will be taken from the main network through a meter at the nearest point possible. Contractor will extend its network to temporary pipeline. The main network connections and costs for this will be settled by the Contractor. In cases where there is no primary network connection options, the Contractor shall make efforts to supply themselves with clean and hygienic water supply for workers and work.

The contractor will make efforts and at his own expense for the supply of electricity on the site, as the contraction in AEC - in, when the principal local network connections are possible, or predicting its generator to meet the needs.

Contractor, the cost to make the construction of Modine and milestones as required, in accordance with the basic information of the employer, and shall be solely responsible for the accuracy.

The Contractor shall be responsible to control and verify basic information that has been given and in no way will be facilitated by its liability if such information is incomplete, incorrect or not authentic. While he will be subject to be checked and revised by the employer, and in any case not entitled to make changes in the contract drawings, for any kind of compensation for the corrections of errors or deficiencies. The contractor will supply and maintain its own expense, fencing and other such material and to provide assistance through a qualified staff as may be required by the employer to control Modine and benchmarks.

The contractor will retain all axes points, Modine, signs of quotas, made or placed on the job, to cover their cost of restoring damaged and if they cover all the costs to repair work done no good

for lack of maintenance or defense or without authorization shift of these points located, Modine and benchmarks.

Before any construction activity, Contractor shall have the water supply lines and electricity laid on the ground, the right of way clear and leveled, ready for the start of works. Any work done outside the axes, quotas and limits shown in drawings or Disapproval of the Employer shall not be paid, and the Contractor will cover his expenses always additional excavations under the direction of supervisors.

The Contractor shall make color as per instructions forografi supervisor at work places to demonstrate the conditions of the site before the start, work progress during construction and after completion of the project. No payment will be made for photographs of the work site because these expenses are anticipated to be covered under the administrative cost to the Contractor.

The contractor should be especially careful of:

a) The need to maintain existing services and opportunities for residents and traders crossing you are in the area during the construction period.

b) The possible presence of other contractors in the area with whom it will work coordinated.

The whole work will be done in such a way as to allow the entry and financing all possible equipment for any other entity and its workers, employers as well as staff of each punojnjesi that can be employed in the implementation and / or works the area or its close for each object that is related to the Contract or any other thing.

In the preparation of its work program at all times contractor will make full account and will cooperate with the work program other contractors so as to cause a minimum of interference with them and with the public. The Employer recommended that unskilled workers taken from the area. The contractor will take precautions to protect workers employed and public life as well as the assets in and around the construction site. Preliminary security measures applicable laws, codes and construction of buildings will be respected. Machinery, equipment and any monitored the risk will either be eliminated in accordance with safety precautions.

During the execution of the works contractor, at his own expense, must establish and maintain such barriers at night and light that will effectively prevent accidents. Contractor shall provide suitable barriers, signs with red light "danger" or "caution" and observers in all the countries where the work can be disruptive to normal traffic or in any way constituting a danger to the public.

The contractor , at its own expense, must take all possible actions to ensure that the local environment of the site be preserved and that the lines of water, land and air (including noise) to be free from contamination due to work performed. Do completion of this clause on the basis of evidence from the supervisor, can lead to termination of contract.

Free of any material from the Contractor shall be made with suitable machines which, when loaded does not cause the entire load shedding and be insured. .Ndonje Machine that does not meet this request or any of the traffic rules or laws will be removed from the shipyard.

All the materials brought by the Contractor shall be stacked or stored in a manner appropriate to protect the slides, injuries, fractures, theft and available for examination by the supervisor at any time.

The contractor with his own expense renting or buying a sufficient ground for the establishment of its warehouses and offices and for the creation of an office for the supervisor as specified, all this at his own expense.

The contractor need to prepare drawings for all works "as is actually implemented" on the ground. Drawings will be made in a standard similar to that of the contract drawings.

During the execution of works on site, the Contractor shall keep all information necessary for the preparation of "drawing as it is implemented". Will clearly mark the drawings and other documents, which cover continuous work to complete, the material which will be available at any time during implementation supervisor. These drawings will be updated continuously and

will submit them for approval every month Supervisor, after works have been completed, together with a copy of the final paper will be submitted monthly paper copies.

Reproduced drawings will include the position and extent of all structures' left carrying during the excavations and the exact placement of all services that are encountered during construction. The contractor should also prepare longitudinal sections Profile Revised Annotated showing soil layers encountered during all excavation works.

As a result, the reproduced copies of Drawings "as is implemented" would Supervisor submitted for approval. Drawings "as it is implemented", as approved, will become the property of the employer.

No payment will be made for making the Drawings "as it is implemented" and Manuals, as their cost is anticipated to be covered by the Contractor's administrative expenses.

Drawings should be printed on A0 format, A1, A2, A3 and Investor submitted in 3 copies.

The contractor at the end of the work, whenever applicable, at his own expense, must be clean and remove all plants from the street construction, materials that have excessive waste skelerite and temporary constructions of any kind and to leave The entire square and clean and works in acceptable conditions. The final payment of the contract will be held until this be accomplished, and after approval is given by the supervisor.

1. DEMOLITION WORKS

Total spoilage building without reclamation kit includes:

- Demolition of the entire building or a part of it with any kind of means including: whole measures for, puntelimet, scaffolds of service, measures for the application of all relevant acts protecting workers' safety, property and community life and passers .
 - Signals for the day and night as well as for the notification of passers staff.
 - The works for temporary fences.
 - Repairing for possible damages that could be caused to third parties and the restoration of public and private pipes.
 - Trnsport of materials resulting from the demolition, including transport and unloading.
- Guarantee for safe working pet employees participating in the process of passers and the community.

Cancellation by selecting material for reuse include:

All requirements of paragraph 1.1

- Selecting for storage and cleaning of reusable materials resulting from the demolition.
 - Arrangement of materials within the shipyard, transport loading up and unloading warehouses investor.
- Guarantee for safe working for the employees participating in the process of passers and the community.

Brick breaking the bottom wall includes:

Determining and using appropriate tools, depending on the measure to be annulled.

- Demolition of plastering, coating any form, that are realized in the wall that breaks, regardless of their thickness.
 - Service of skelerine, couplings necessary to support or protect the surrounding structures or buildings.
 - Repairing For damages caused to third parties for normal interruptions and restoration of public and private pipeline (sewage channels, water, lights, etc ..), including the entire transport materials resulting from deterioration in a country certified public .
- Guarantee for safe working for the employees participating in the process of passers and the community.

Displacement of the material within the shipyard environment, and any other charges for the completion of work perfectly as requiring recovery of bricks made and cleaning, stocking them for safekeeping when it will re-use or be submitted in magazimat investor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Stone masonry decay includes:

Determining and using appropriate tools, depending on the measure to be annulled.

- Demolition of plastering, coating any form, that are realized in the wall that breaks, despite their - trashesia.
 - Service of scaffold, couplings necessary to support or protect the surrounding structures or buildings.
 - Repairing for damages caused to third parties for normal interruptions and restoring public and private pipeline (sewage channels, water, lights, etc ..), including the entire transport materials resulting from deterioration in a country certified public .
- Guarantee for safe working for the employees participating in the process of passers and the community. Spostimin Of material within the shipyard environment, and any other charges for the completion of the work perfectly.

-Where Required recovery of stones, made and cleaning, stocking them for safekeeping when it will re-use or delivered to the warehouses of the investor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Distortion of concrete structures:

Total or partial demolition of vertical concrete structures or horizontale, more than 5 cm thick, using any means, including puntelinet, measures for the application of all relevant acts of security protection of workers and the population, signals the day of the night as well as for the notification of passers staff, work for temporary fences, repairing the damage potential that can be caused to third parties and the restoration of public and private pipelines, including loading of materials resulting from demolition and Transport for download.

Guarantee for safe working for the employees participating in the process of passers and the community.

Disclaimer of reinforced concrete structures:

-Remove of reinforced concrete structures or parts thereof, using mechanical equipment, including a partial decay to reduce the volume and weight of the blocks, including puntelinet, measures for the application of all relevant acts of security protection of workers and population, signals the day and night for the notification of passers staff, work for temporary fences, repairing for possible damages that could be caused to third parties and the restoration of public and private pipelines, including loading of materials that results from decay and transport for download.

Guarantee for safe working for the employees participating in the process of passers and the community.

Breaking the ceiling of any kind, including:

-Structure container, plaster and plant elektrik- scaffoldings, any other charges for the completion of the work perfectly, and transportation of all waste in an authorized public place.

Guarantee for safe working for the employees participating in the process of passers and the community.

Clothing breach of majolica tiles includes:

-Clothing demolition of walls and decay of mortar layer beneath cleaning, washing, and any other charges for the preparation of the surface for clothing, including transportation in a public place autorizouar waste.

Guarantee for safe working for the employees participating in the process of passers and the community.

Destruction of plastering:

Blow of all surface plastered and finding parts of puffy and cracked through sound, the demolition of these parts till the masonry, the walls and ceilings, broken washing surfaces with pressurized water, including scaffolding service or skelerine, displacement resulting material within the site environment and any other obligation to bring an end completely removing the plaster.

Guarantee for safe working for the employees participating in the process of passers and the community.

Disclaimer The header includes:

-Removal of wooden or concrete in poor condition, including the removal of the bottom wall to the soletes palate for the whole width of the bottom wall and the length 25 cm beyond the

opening space (on both sides), including any other charge to end the removal and transport in a public place autorizuar waste.

Guarantee for safe working for the employees participating in the process of passers and the community.

Removal of floor includes:

-Floors removal of any kind, including the removal of mortar layer that is located beneath and transport them in a public place autorizuar waste within the shipyard and the material displacement resulting from decay.

Guarantee for safe working for the employees participating in the process of passers and the community.

Disclaimer doors and windows comprising:

Removal of doors and windows of any size and type, without damaging them and had, their extraction outside the building and led to the collection point that will supply the investor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Demolition of layers floor tiles includes:

Total Removal of layers of tiles of all types and sizes or damaged parts, as provided in the estimate.

-Removal of the bottom layer of plaster, with which these tiles are fixed, regardless of their thickness and extraction outside the facility to the point of loading.

-Any other charges for the full completion sure to shqepjes perfectly. Guarantee for safe working for the employees participating in the process of passers and the community.

Removal oh the cement layer includes:

- Removal of cement extraction regardless of the thickness of the material outside the building after removal and transporting certain point within the environment of the site.

-Any Other charges for full completion and removal of the floor and guarantee for safe working for the employees participating in the process of passers and the community.

Guarantee for safe working for the employees participating in the process of passers and the community.

Demolition os the existing pathways include:

-In case of full or damaged parts, as provided for in the budget, the point of departure for waste collection and the guarantee for safe working for the employees participating in the process of passers and the community.

Guarantee for safe working for the employees participating in the process of passers and the community.

Demolition of stairs with different materials includes:

Removal of violations feet and vertical parts of the molding granulated stone, stone by stone blocks, with bazamak granulated stone or marble, sharing and storage of parts that can be reused and the point of departure for waste collection after breaking and guarantee for employment safe for the employees participating in the process of passers and the community.

-Contractor should take into account the damage to walls during removal of existing davancaleve is his dependents.

Guarantee for safe working for the employees participating in the process of passers and the community.

Disclaimer of metal carrier includes:

Metal carrier -Removal of any kind, cut into countries where they are captured, collection on site and hand them to the investor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Disclaimer hydraulic system includes:

Removal of all existing plumbing pipes inside or outside walls of the building, to the main pipeline entry.

-All Pipes and removed equipment must be transported in a public place. Reuse is not allowed in any case.

-The contractor will be responsible for any damage caused to construction works for not removing old pipes and not eliminating the right to damages.

Guarantee for safe working pet employees participating in the process of passers and the community.

Disclaimer of electric system includes:

Removal of all electric cables and plastic pipes, boxes, personnel, outlets, circuit breaker, etc. existing inside or outside walls of the building, to the point public electricity supply.

-All Cables and removed equipment must be transported in a public place. Reuse is not allowed in any case.

-The contractor will be responsible for any damage caused to construction works for not removing the cables, plastic pipes, boxes, personnel, outlets, circuit breaker old etc, and do not eliminate the right to damages.

Guarantee for safe working for the employees participating in the process of passers and the community.

2. EARTH WORKS

-Works covered by this section of the specification consisting essentially in supplying entire site, works, equipment, tools and materials required for the performance of all works related to digging, opening channels and flatlands of roads, water lines, lines sewerage, drainage structures and accessories, in full compliance with the specifications of this chapter and applicable drawings, which are subject to the terms and conditions of the contract include:

-All Excavated soil whatsoever that encounter will take place at the specified depth and breadth, as defined in the drawings and / or as defined in writing by the supervisor. During excavation material suitable for filling will be stored at a suitable location, at a sufficient distance from the shoulders, to avoid overcrowding and to keep the sides of the trench collapse. The top layer of soil will be collected separately for a subsequent reuse if necessary. The entire material is not suitable or not required for clothing to be brought to a place approved by the employer.

Excavation on the streets will be done in such a way that the passage of the road not blocked by excavation material. The upgrade will be done in such a way, if necessary, to maintain that surface water not flow into channels or in other parts of the excavated .Every water amount collected will be removed by means of pumps or other methods approved, the cost of the Contractor itself.

Cost of excavations to be made to overcome the size defined by the project or as requested in writing by the supervisor, will be covered by the Contractor's own expense. Moreover, the Contractor shall be obliged, if so ordered by the supervisor, to recharge extra excavations and compact and concrete riprap or poor, as appropriate, on the instructions supervisor without extra payment or compensation benefit per foregoing.

It is anticipated that all excavation work in this contract will be earth excavation. The term "and" as used herein shall include all materials, which in the opinion of employers do not require interpolation, or crushing the material removal, relocation from its original bed.

-Materials weak or soft parts, you naturally encounter at the end of any excavation, will be removed by hand and will be removed and these holes that are created will be filled with a suitable material or concrete, as will be guided by supervisor. This work will be measured and paid the applicable unit price. Garacni required measures and health and life for employees carrying out such work, for pedestrians and for the community.

-All sites where excavated, will be cleared of all bushes, plants, thorns, large roots, fertilizers and other materials surface. All these materials will move to and leave in order to be preferable for employers.

-All trees and shrubs set by employer that will remain, will be protected and maintained in a manner approved.

All existing structures identified to be demolished, will leave as advised by supervisor. This will involve the displacement of foundations and buildings, which may be encountered.

The Contractor shall take all necessary measures for the protection of existing water lines, fencing and services, which will remain at the construction site. The cost of cleaning the site is required to be paid within the unit price for excavation works.

-Channel will excavate and level the dimensions shown on the drawings and / or in accordance with written instructions supervisor. Voice shown in the table volume (preventive) regarding excavations, such as the removal of excavated material, etc. It will include any category of dust, if not otherwise stated. In the case when using additional tubes and cups, hand digging the bed of material is necessary for each union. Excavation with wings is needed also in the vicinity of the intersections of other infrastructure, to prevent their damage. With the exception of countries listed above, you can use the machines.

Unless otherwise ordered or permitted by the supervisor, should not be opened more than 30 meters before the final channel pipeline expansion in this part of the canal. Width and depth of the pipe channels will be as defined in the contract drawings or as instructed by the supervisor will.

-Connecting parts will excavate by hand, after the end of the canal to be leveled. Unless otherwise required, ducts for pipelines will excavate below the bottom portion of the pipeline, as shown in the drawings, to make possible the realization of the pipeline bed with granulated material. Required measures and guarantee that the health and life for employees carrying out such work, for pedestrians and for the community.

Excavations for structures to be in the size and amount set in the drawings and / or as may be instructed in writing by the supervisor.

-When basement level is reached, supervisor will inspect the seabed soil and will provide guidance for further excavation, if he deems necessary. Excavation will be done in such a way, to ensure that the works will remain on a solid foundation and very clean.

-If after preparing the foundation or sole channel breaks a part of this base, improve the contractor should make his own expense and with the consent of the supervisor. Required measures and reassurances that health and life for employees carrying out such work, for pedestrians and for the community.

-All excavations will be maintained properly, while they are open and exposed, as during the day and during the night. Sufficient barriers, warning lights, signs, and similar tools will be provided by the Contractor. The contractor will be responsible for any damage to person or property due to his negligence.

-The contractor will install all realize drainage and leaching with drainage channels, with pumping or with buckets, as well as all other works needed to keep the share of clean excavated from sewage and from foreign waters during advancing work until the job is completed and be secured from injury. Contractor shall provide all pumping equipment for drying water works as well as operational staff, other energy and all this without additional cost to the employer. The entire water is pumped or drained from the work must be removed in a manner aprovueshme of Supervisor. It should be taken the necessary precautions against flooding.

-Employer may order in writing, that any or all of the reinforcements and the housing be left in place, with the aim of preventive measures for the protection from damage to structures, to other properties or persons, whether these structures are marked on the drawings carrying or placed under instructions, or by any other reason. If left in place, these protective structures would be expected in height according to guidelines supervisor. Retaining structures that will remain in place to sustain good and will be paid according to the value to be mutually agreed upon between the contractor and the employer or by price in the Offer if it is given or by a written change order.

- The contractor will have special care for existing services, which are under the surface, which may be encountered during the implementation of works and which require special attention to protect them, such as sewer pipes, main water supply pipes, electrical cables, telephone cables, as well as the foundations of structures that are close. The Contractor shall be responsible for damage to any of the services, and must repair his own expense, whether or not these services are presented in the project.

-If the relevant authorities refuse to regulate themselves or nepermjent a subcontractor appointed by him, the damage caused in these services Contractor shall reimburse all costs necessary for the repair, and if he does not do such a thing, these costs can be deducted from any payment that Punedhensei has to be made or will make in the course of the works Contractor.

-Excess material from the excavated by the Contractor will be removed in approved countries. When is needed to be transported material on paved roads or locations, the Contractor shall provide the material by casting in paved streets or places.

-Price unit of labor for excavations will include, but not be limited to, for excavations across the breadth and depth, with every tool to be necessary, including excavation by hand, under or above the level of groundwater or surface water levels, including soil mixture of any kind, supportive, strengthening in all depths and widths, with any means to be necessary, including excavations by hand. Also, it will include the removal of groundwater and surface in any amount and any depth, with any means necessary, will include grading, leveling, compacting formations, evidence and any additional work for the protection of formations before any inspection, as specified, removal and collection of trees removed, the required topographic surveying, setting benchmarks and permanent temporary ones, realization of measurements, providing instruments for use by the supervisor, supply and transportation of the labor force, keeping the country Work clean and sanitary conditions, and any accidental needs necessary for execution of works within the contract period and consent supervisor. All types of transport, including transport of materials for reinforcement, roofing, bedding preparation, etc., Involved in the excavation unit price. If not claimed otherwise, all other activities described above will be considered involved in excavation unit price.

-All voices of excavations will be measured in volume. Measuring the volume of excavations it will be based on dimensions obtained from the drawings, in which determined the size of the excavations.

Any excavation beyond the limits set forth in these drawings, will not be paid, if not previously determined in writing by the supervisor. However, if the excavation is less than the volume calculated from the drawings, will be charged the actual volume of the excavations under the actual measurements.

3. MASONRY WORKS

Stone masonry with uniform or variable thickness for exterior work or interior, formed by limestone of high quality, appropriate dimensions and mortar bastard m-25, the dosage per m³: 1:05 stone m³ m³ mortar bastard 00:33 , 48kg cement M-400, including any mastery of the material for teeth bonding, openings, corners, ramifications, scaffolds or skelerine service and anything else to end Masonry and resources to carry out perfectly. For wheat the glendur walls and glendja the stones provided as will be placed on site.

Guarantee for safe working for the employees participating in the process of passers and the community.

Full brick masonry 25cm and mortar bastard m-25, the dosage per m³: full brick no. 400, 0.25 m³ mortar, cement (M-400) and 38 kg of water, for any thickness including any workmanship and material for teeth of links, corners, openings in the parapets of windows, scaffolding service and everything else needed for end of Masonry and its implementation perfectly. On the ground floor, walls and Tuller will be built on a thick layer of bitumen with minimum 3 mm. Two layers with hot liquid bitumen accepted.

Guarantee for safe working for the employees participating in the process of passers and the community.

Masonry brick and mortar bastard 12cm hole m-25, the dosage per m³: 177 bricks, mortar 0.10 m³, cement (M-400) and 14 kg of water, for any thickness including any workmanship and material for teeth links, corners, openings in the parapets of windows, scaffolding service and everything else needed for the completion of its bottom wall and realize perfectly. On the ground floor, walls and Tuller will be built on a thick layer of bitumen with minimum 3 mm. Two layers with hot liquid bitumen accepted.

Guarantee for safe working for the employees participating in the process of passers and the community.

Brick masonry with holes, 25 cm and mortar bastard m-25, the dosage per m³: brick no. 205, 0.29 m³ mortar, cement (M-400) and 44 kg of water, for any thickness including any workmanship and material for teeth of links, corners, openings in the parapets of windows, scaffolding service and everything else needed for end of Masonry and its implementation perfectly. On the ground floor, walls and Tuller will be built on a thick layer of bitumen with minimum 3 mm. Two layers with hot liquid bitumen accepted.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete foundations implemented with concrete and limestone reports per m³: concrete m 0.77 m³ and 100 m³ 0:37 stone with concrete dosage per m³ as indicated in paragraph 2.1, including molds, reinforcements and everything else necessary for completion foundations and their implementation perfectly. A layer 3 mm thick bitumen or two layers of hot bitumen will jump above before the start of construction of the wall.

Guarantee for safe working for the employees participating in the process of passers and the community.

Reinforcing foundation:

Excavation below fundamentals, foundation reinforcement, to the depth, width and distance according to the instructions given in the project, on the ground of any nature and consistency, the dry or wet (even if it is compact clay, sand, gravel, stones, etc.), including the felling and removal of roots, trunks, stones and parts by volume to 0.30 m³, fulfillment of obligations related to the construction of the underground to the sewage canals, pipelines in general etc., reinforcement of any brand and resistance, filling the parts that remain vacant after the strengthening of the foundations of material excavation conducted by hand, and the resulting displacement of material within the site environment.

Foundations reinforcements, in depth, width and length according to the instructions in the project, realized with concrete M-100, the dosage per m³ in 2.1, including possible molds, and anything else necessary to end reinforcements and for you perfectly realized.

Guarantee for safe working for the employees participating in the process of passers and the community.

Strengthening of brick walls:

-Thaw includes:

Carefully cleaning the part that degraded damaged bricks and mortar, well cleaned, joints between as much as possible.

Wall will suvatohet in several stages with granulated stone mortar. Before performing the first plastering, establish a full mesh networks welded (20x20x4mm dia.) Which is anchored on the surface of the wall by means of bent iron bars as cramps, each 50 cm, and then the wet surface entirely with water.

Metal grills will be covered with plaster with a minimum thickness of 5 cm. Usually plaster will be placed on the wall in several layers by hand or trowel but if necessary, for spilling cement mortar will be used stamp. Including appropriate and surface position was reinforced, scaffolding service and everything else needed to end reinforcement and to accomplish it perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

For reinforcement of the frames of windows 9 (filling any), acted as mentioned above but around the shoulders of windows that will be covered completely with iron reinforced networks.

Guarantee for safe working for the employees participating in the process of passers and the community.

4. CONCRETE AND REINFORCED CONCRETE WORKS

Concrete brands

Following reports in concrete, used in construction works and referred to specific allegations, are valid for 1 (one) volume m³ concrete with ordinary Portland cement. These standards are based on the brochure "Design of concrete, Common, KT 37-75 ", dated Tirana - 1980 (Republic of Albania - Ministry of Construction ISPNr. 1).

C marks 7/10 with concrete aggregates, consistency 3-5 cm, granulated stone 20 mm, washed sand to module 2.6: Cement 300 kg 240 m³ sand washed 0,45, 0,70 m³ granulated stone, water m³ 0.18.

C 12/15 concrete with solid marks, consistent 3-5 cm to 20 mm granulated stone, washed sand to module 2.6: Cement 400 kg 260 m3 sand washed 0.44, 0.70 m3 granulated stone, water m3 0.18.

16/20 brands with solid concrete, consistent 3-5 cm to 20 mm granulated stone, washed sand to module 2.6: Cement 400 kg 300 m3 sand washed 0.43, 0.69 m3 granulated stone, water m3 0.18.

20/25 brands with solid concrete, consistent 3-5 cm to 20 mm granulated stone, washed sand to module 2.6: Cement 400 kg 370, 0.43 m3 sand washed, granulated stone m3 0.69, 0.185 m3 water.

25/30 brands with solid concrete, consistent 3-5 cm to 20 mm granulated stone, washed sand to module 2.6: Cement 400 kg 465, 0.38 m3 sand washed, granulated stone m3 0.64, 0.195 m3 water .

Concrete retaining structure

This paragraph refers to structural elements of concrete and concrete / weapon, predicting a technical Fuge ($L = 1 / 100h$). The structure must be implemented by foundations, skeletons with beam, columns, skirting, stairs connected between them, and include:

Concrete foundations with concrete realize m-100 with dozature per m3 according to paragraph 2.1, according to the guidelines in the drawings, with concrete (150 marks) of the cast in a thin layer and well vibrating, dimensions and shapes according to the respective sheets of drawings, including molds, reinforcement, scaffoldings, and everything else necessary for the completion of its work and realize perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete foundations / realized with concrete gun m-100 with dozature per m3 according to paragraph 2.1, reinforced on a regular (concrete iron average 40kg / m3) according to the instructions in drawings, with concrete (150 marks) of the cast in a thin layer and the vibrating better, with dimensions and shapes according to the respective sheets of drawings, including molds, reinforcement, scaffoldings, and everything else necessary for the completion of the work and its implementation perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

The structure of concrete wall / weapons, reinforced on a regular (concrete iron average 50kg / m3) according to instructions in drawings, with concrete (150 marks) of the vibrating best, dosage per m3 according to paragraph 3.1.4, including molds, strengthening , scaffoldings, and everything else necessary for the completion of its work and realize perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete columns / weapons within or outside the structures of the wall, reinforced on a regular (concrete iron average 60kg / m3) according to instructions in drawings, with concrete (200 marks) of the vibrating best, dozature per m3 according to paragraph 3.1.4, including molds, reinforcement, scaffoldings, iron reinforcement and everything else necessary for the completion of its work and realize perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Reinforced concrete beam, realized according to instructions in the project, with concrete M-200, the dosage per m³ according to paragraph 2.4, including service scaffolding, molds, reinforcement, iron armatures (concrete iron average 80kg / m³) and any liability Work to end other perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete floors / weapons in the plant with concrete cast (DM 200), according to the guidelines in the project was well vibrated, the dosage per m³ according to paragraph 2.4, including iron armatures (concrete iron average 80kg / m³) service scaffolding, molds , strengthening, and any other charges for the termination of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Poured floors stairs between floors act, performed as above, but using steep formwork, scaffolding bazamake and appropriate service.

Guarantee for safe working for the employees participating in the process of passers and the community.

Prefabricated floors, varying in height from 11 cm to 16 cm, and put in the work on the first generation realized, including soletes assembling and laying concrete respective m-300, the dosage per m³ according to paragraph 2.6, and including molds, reinforcements, iron assembly and any other charges for the termination of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

The roof with prefabricated beam and brick with holes, located on previously leveled masonry with cement m-1: 2, the dosage per m³ according to paragraph 1.5, anchored in a generation, reinforced on a regular basis, with concrete m -200, cast in the plant with the vibrating thin layer good, with dosage per m³ according to paragraph 2.4, and in light of kampates space will have an iron armor and additional soletes, including molds, puntelimet, reinforcements, scaffolds service and any other charges for the termination of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Architrave monolith, across the width of the bottom wall below the support of 25 cm on the shoulder side, with different heights according to the space of light, reinforced on a regular basis, to a height of 4 meters, formed from concrete m- 200 with dosage per m³ per point 2.4, including service scaffolding, molds, reinforcements, iron armatures and any other charges for the termination of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Prefabricated architrave, supply and placement in the plant, for a total width of the wall up to 40 cm, formed by concrete M-200 with dosage per m³ according to paragraph 2.4, reinforced on a regular basis, to set in the plant with cement mortar m 1: 2 dosage per m³ according to paragraph 1.5, including iron armor, Masonry works and any other charges for the termination of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Monolith beam, reinforced on a regular basis, up to a height 4 meters, realized with concrete (200 marks), the dosage per m³ according to paragraph 2.4, including service scaffolding, molds, reinforcements, iron armatures and any other charges for the termination of the work perfectly. Guarantee for safe working for the employees participating in the process of passers and the community.

Monolith ring beam, across the width of the bottom wall thickness equal to that of soles if any, and if there is not more than 30 cm, reinforced on a regular (concrete iron average 60kg / m³), realized with concrete (150 marks), the money poured in layers of vibrating better, with dosage per m³ according to paragraph 2.3, including molds, reinforcements, iron armatures, scaffolds or skelerine service and any other charges for the termination of employment perfectly. Guarantee for safe working for the employees participating in the process of passers and the community.

Reifocement

Iron works for all reinforced concrete structures and metal elements, which will be produced on the site, taking into account all the requirements for types C-3, with $R = 3200 \text{ kg / cm}^2$ and not rusty, in size and shape Under the direction of drawings and technical legal standards for flexural, joints etc. considering the certifikata providing laboratories to verify that iron requisites for use in works, and including all other obligations to end work perfectly.

Reinforcement bars should be returned according to the measures and dimensions of drawings and in full compliance with recently revised rules of ASTM, note A-615 with the title "Specification for steel bars for reinforced concrete". They have to bend in accordance with ASTM A-drawings 305, Steel 5, the sigma of fluency 3200 kg / cm^2 .

Iron reinforcement should be free of stains, rust, mullijve wastes, paints, oils, grease, dirt adhesive or any other material that could damage the relationship between concrete and reinforcement, or that can cause corrosion of reinforcement, or dissolution of concrete. Cement to plaster should not be allowed. Neither size nor length of bars should not be less than the size or length shown in drawings.

The poles must always bend in the cold. Bent bars not properly be used only if the means used for running and riperkuljen be such, that it does not damage the material. No reinforcement will not bow to working position without the approval of the supervisor, in that it is stuck in the concrete and strengthened. The interior radius of curvature shall not be less than twice the diameter of the rod for soft iron and three times the diameter of the bar for more flexible iron.

Formwork should be done very carefully and kept the equipment approved in the position shown in the sketch. Bars that are anticipated to be in touch, must be connected together with high security at all points of the junction, with iron wire to gently season with diameter.No.16.

Binding chains and the like should be linked tightly with bars which are projected to be in touch and in addition must be connected securely to the wire. Immediately before concreting, Formwork should be checked for purity and precision deployment and will be corrected if necessary.

Shim must be of mortar, with cement and sand 1: 2, or other materials approved by the supervisor.

The contractor must adopt effective measures to ensure that the reinforcement to sit still during mass strengthening and establishing concrete cast.

We granted floors with two or more layers of reinforcement, parallel layers of iron should be based on position with the help of the iron holder. Shim placed in each container, to support the strain caused by layers of reinforcement or armature.

Unless otherwise noted in the drawings, the length of coupling joints must be no less than 40 times the diameter of the rod with large diameter.

Reinforcement of built, when laid next to their other sections reinforcement, or when xhuntohen, must have a minimum of 300 mm for bars Meal Main and 150 mm for the transversal bars. Use cut waste will not be permitted.

Cutting, bending and placing of reinforcement will be part of the work within the unit price established in the Tender Offer for the supply of iron reinforcement and put in work.

5. ROOF AND TERRACE WORKS

Roof provides

Wooden structure carrying the roof realized with pine seasoned naturally or artificially, impregnated with oil burned suitable for timber, supplied and put forth the support boards anchored in the lower band, in sections nearly uniform, including pinning great and the staff necessary iron binding; small roof in the pine wood of seasoned naturally or artificially, impregnated with oil to burn (the work of masonry, slats or floor boards) to cover the upper tile-type "Marsigliese", nailed or related, including the connection of roof gutters and roof, using mortar bastard m-25, scaffoldings and any other charges necessary to bring to end a completely work. The main structure of the board will be at a maximum distance from each other by 80cm.

Guarantee to secure jobs for employees participating in any transitional process and the community.

Horizontal gutter are provided, with tin thickness not less than 0.8 mm, formed by the part of the reconstructed minimum overlap of 5 cm, connected with rivets and welded on a regular basis with the tin, the external board 2 cm lower than the internal board, complete with special parts for the mouth of the entrance.

To avoid infiltration of water under roof tiles wind time, sheet groove curve that will extend 10 cm layer under the roof tiles, the terminal part of which will bow 1cm from above about 15 ° in order to block rainwater.

Horizontal gutter, with a slope of 1% versus the vertical groove, will be built in accordance with the instructions in the drawings and must be connected by wire xingato with strong links to the veins in each slat boards to the roof and the maximum in every 70 cm.

Any other charges and crafts for completion work perfectly.

As above but of plastic material P.V.C. Constituent elements will be connected between them through special sections and sealants PVC

Samples of items proposed will be presented to the shipyard Supervisor for prior approval.

Any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Downspouts are provided, with tin, minimum diameter 10 cm and a thickness of 0.8 mm. In each groove must be collected waters an area not greater than 80 m2.

Drainpipe should be placed in the higher part of the building through the respective chains of iron to xinguar, fitted above the screen every 2 m. Terrace waters should be collected through a plate of tin to xinguar, two membranes coated with bitumen set on fire, thick 4 mm, indirectly between Masonry and dividing, the slope 1%, according to the guidelines in draft .

Terminal part of the groove, to a height of 3 m, will be protected by heavy iron pipe 4 mm minimum thickness.

We finally turning a pipe will be welded 90 degrees and tightly gripped the iron cramps, a supporting and fastening for masts and similar installations, everything else necessary for realizing and finishing work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Jess ceilings with cardboard-fiber panels, built with slabs supported on a metal frame, hanging in the roof structure of the building and the wall. All panels will be easily portable for the inspection of space. Where it is shown in V.T. will be placed in the ceiling fluorescent lamps. These lamps will be placed in the ceiling layer (not hanging under it). All materials will be no ceiling flammable. Samples of panels and equipment for fixing the ceiling will be presented to the shipyard Supervisor for prior approval.

The ceiling will be realized according to the profile provided in the project, and then leveled patinohet right.

Guarantee for safe working for the employees participating in the process of passers and the community.

Waterproofing floor provides liquid bitumen;

Bitumen layer M-3 3.8 kg / m², and applied to the hot emulsion on a layer of bitumen.

Bitumen will be placed up to a height 20 cm above the walls of the rooms unplastered.

In the case of works of reconstruction and existing walls, the plaster will be removed, and asphalt will be placed directly on the bottom wall bricks. After completion of the waterproofing plastering vertical portion necessarily with cement.

Any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

6. LAYER WORKS

Gravel layer provides: Laying gravel ngjeshkjen congestion on good ground before, with river gravel without clay composition and height as per instructions in the project, and any other charges to end work.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete layer provides: laying, compacting and leveling of concrete (mark 7/10) with respective dosing per m³, thickness according to the definitions in the project, cast in the plant over a gravel layer and formed by thin layers of well vibrating, including any other charges for the completion of work on a regular basis.

Guarantee for safe working for the employees participating in the process of passers and the community.

Concrete layer provides: laying, compacting and leveling of concrete (C12 brand / 15) with respective dosing per m³, thickness according to the definitions in the project, cast in the plant over a gravel layer and formed by thin layers of well vibrating, including any other charges for the completion of work on a regular basis.

Guarantee for safe working for the employees participating in the process of passers and the community.

Floor tiles of different colors size provides:

Poor mortar leveling layer with minimum 2 cm thick, with dosage, 1.02 m² tiles, mortar poor (M-15) 0.02 m³, cement (m-400) 4 kg.

Cutting disc (or appropriate Stone tile) of tile as necessary environment that plintusve question and preparing for the case, which was provided for them to be with that same material as tablets. Mechanical and polishing tool for cases where the request perzgjedhuara tablets such an operation, as can be granulated stone layers, with granulated stone and marble tiles. Any other charges for the full completion of the floor perfectly and safe for employees and others.

Guarantee for safe working for the employees participating in the process of passers and the community.

Flooring tiles 6 cm thick stone:

Bastard mortar leveling layer with minimum 2 cm thick, with dosage: 1.02 m² tiles, mortar bastard (M-15) 0.02 m³, cement (m-400) 4 kg,

Disc cutting or carving with stone hammer, the tiles according to the needs of the external environment that question.

Any other charges for the full completion of the floor perfectly and safe for employees and others.

Guarantee for safe working for the employees participating in the process of passers and the community.

Lightings cement flooring provides its realization thick as required by the project, on a surface with concrete previously performed m-100, applied with cement mortar

M-1: 2, with appropriate dosing, the coating of the surface with trowel and cement dust, including any other charges for the full completion of the floor perfectly. In cases required by smoothing project will be realized with machinery "helicopter".

Guarantee for safe working for the employees participating in the process of passers and the community.

Flooring boards with air corridor envisions use of 2.0 to 2.2 cm thick parquet, defined in the project commenced, performed by different seasoned wood, worked male and female, length 40 cm and width 6 cm, the located in herringbone or other means provided for in the project, including lower armor to pine tree 7x5cm section, fixed to the container (nail) and cement mortar and placed in the wheel-base on a regular basis; smoothing, stucco and shingles llustrimi of using special lacquer transparent.

His deployment after being carried isolation 2 crossbones bituminous coatings, thick 3 mm each, including any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Flooring parquet climbing the usage of 2.0 to 2.2 mm thick, defined in the project commenced, performed by different seasoned wood, worked male and female, length 40 cm and width 6 cm, set in herringbone or other means provided for in the project, adjacent to the adhesive suitable for flooring boards on a first layer realized by project requirements.

Its deployment after being carried isolation 2 crossbones bituminous coatings, thick 3 mm each, including any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Laminate flooring provides the use of laminate parquet tiles with various sizes and thickness, different ngyra as stated in the project carried out by different seasoned wood, worked male - female, placed in herringbone or other means provided in the project, be placed under a layer apzorbuse for noise.

His deployment after being carried isolation 2 crossbones bituminous coatings, thick 3 mm each, including any other charges and crafts for completion work perfectly.
Guarantee for safe working for the employees participating in the process of passers and the community.

Vinyl floor tiles the usage of first quality tiles (minimum thickness 3x30x30mm) you climb, on a surface-mixed, at best leveled, cleaned and dried completely. Adhesive used for fixing the tiles will be suitable for this purpose and will be thrown on the surface prepared in the serrated spatula. Under door where necessary because of any change in the level and laying the floor, the floor will be placed on a metal plate (1 mm thick) stainless steel or brass with adhesive and screws. Samples of tiles and adhesive proposed to be submitted to the shipyard Supervisor for a preliminary approval.

Not accepted roller wrapped vinyl sheets. Any other charges and crafts for data completion of the above works perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Carpet flooring provides the carpet with roller realized "Boucle" synthetic or in the form of tiles, of first quality, including:

A preparation of the surface, the well leveled, cleaned and dried completely. Adhesive used for fixing the tiles will be suitable for this purpose and will be thrown on the surface prepared in the serrated spatula. Under door where necessary because of any change in the level and laying the floor, the floor will be placed on a metal plate (1 mm thick) stainless steel or brass with adhesive and screws. Rugs and glue samples of proposed must be submitted Supervisor the shipyard for a preliminary approval. Any other charges and crafts for data completion of the above works perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Pavement slabs of different type and size provides: digging the earth for the foundations to a depth of 15 cm from the ground, for a width of 87 cm, supply and placement in the plant to bording that prefabricated or do we act with concrete M-200, the dosage under point 2.4, and with size 12x25 cm and variable length as shown in the drawings, with a height of insert section and a 15 cm river gravel layer 15 cm thick, compact and well ironed, concrete layer m -100, under point 2.1, with a thickness of 6 cm and technical joints every 3 m, filled with sand and bitumen, the level and slope specified in technical drawings, formed by thin layers and well vibrating, cement tiles located in the plant over a bastard mortar layer dosage per m², 1.02 m² sidewalk tiles, mortar bastard (M-15) 0.02 m³, cement (m-400) 4 kg and water, including climbing, stucco, cleaning and any other charges and crafts for completion work perfectly.
Guarantee for safe working for the employees participating in the process of passers and the community.

Sidewalk with cement provides: digging the earth for sidewalks to 20 cm of soil depth, for a width of 80 cm, including gravel layer 20 cm thick, compact and well ironed, concrete layer m-100, according to point 2.1, 10 cm thick and technical joints every 3 m, filled with sand and bitumen layers formed with the vibrating thin and good, with mortar cement layer 2 cm thick dosage per m³ according to paragraph 1.5, the smooth and perfectly leveled with trowel, including molds, reinforcements and any other charges and crafts for completion work perfectly.
Guarantee for safe working for the employees participating in the process of passers and the community.

7. PLASTERING AND CLOTHING WORKS

Plastering in any case wants to keep in mind that all surfaces to be plastered must be wetted with water first. Where necessary water will be added to other materials, in order to ensure the realization of plaster perfectly.

In any case, the Contractor is responsible only for the final realization of the plastering work. Reports below for slurry used for construction works and referred to specific allegations, are valid for 1 (one) m3 volume.

Poor mortar marks 15 natural river sand (moist, 20% additional volume and porosity 40%) formed by, cement, lime, sand, the ratios 1: 0.8: 8.

110 lt slaked lime, cement 300 kg 150, 1.29 m3 sand.

Poor mortar marks 25 natural river sand (moist, 20% additional volume and porosity 40%) formed by, cement, lime, sand in reports 1: 0,5: 5,5.

92 lt slaked lime, cement 300 kg 212, 1.22 m3 sand.

Poor mortar marks 15 washed sand (porosity 35%) formed by, cement, lime, sand in reports 1: 0.8: 8.

105 lt slaked lime, cement 300 kg 144, 1.03 m3 sand.

Poor mortar marks 25 washed sand (porosity 35%) formed by, cement, lime, sand in reports 1: 0,5: 5,5.

87 lt slaked lime, cement 300 kg 206, 1.01 m3 sand.

Marks poor mortar 1: 2 with washed sand (porosity 35%) formed with cement, reports rerene 1: 2.

527 400 kg cement, sand 0.89 m3.

Internal plastering the reconstruction provides:

- Disposition of surfaces for plastering where necessary, for leveling of irregularities by means of filling with more layers bastard mortar and brick pieces reader if it is necessary, even for small areas and any other charges to bring an end completely master plasterer.
 - Spraying of masonry walls and ceilings to the clean, liquid cement mortar for improving the adhesion of plaster and reinforcing bottom wall surfaces, including scaffolds of service and any other charges to bring an end completely spray.
 - Plastering conducted by a 2 cm thick layer of mortar bastard m-25 with dosage per m2: 0,005 m3 washed sand, mortar bastard m-1: 2 00:03 m3, cement (m-400) 6.6 kg, water, applied, with preset of the directors in the walls of ceilings, and smooth with trowel berdaf, including scaffolding service and any other charges to bring an end completely plastering perfectly.
- Guarantee for safe working for the employees participating in the process of passers and the community.

External plastering in reconstruction provides:

- Primer and disposition of surfaces for plastering where necessary, for leveling of irregularities, by filling with more layers bastard mortar and brick pieces reader if it is necessary, even for small areas and any other charges to bring an end completely master plasterer.
 - Spraying of masonry walls and ceilings to the clean, liquid cement mortar for improving the adhesion of plaster and reinforcing bottom wall surfaces, including scaffolds of service and any other charges to bring an end completely spray.
 - Plastering conducted by a 2 cm thick layer of mortar bastard m-25 with dosage per m2: 0,005 m3 washed sand, mortar bastard m-1: 2 00:03 m3, cement (m-400) 6.6 kg, water, and applied to preset the leaders in the walls of ceilings, and smooth with trowel berdaf, including scaffolding service and any other charges to bring an end completely plastering perfectly.
- Guarantee for safe working for the employees participating in the process of passers and the community.

Plastering the walls inside:

- Spraying the walls and ceilings, with liquid cement mortar for improving the adhesion of plaster and reinforcing bottom wall surfaces, including scaffolds of service and any other charges to bring an end completely spray.
 - Plastering conducted by a 2 cm thick layer of mortar bastard m-25 with dosage per m²: 0,005 m³ washed sand, mortar bastard (m-1: 2) 00:03 m³, cement (m-400) 6.6 kg, water, applied on the basis of guidelines prepared in the walls of the ceiling, and the berdaf smooth trowel, including scaffolding service and any other charges to bring an end completely plastering perfectly.
- Guarantee for safe working for the employees participating in the process of passers and the community.

External plastering the walls

- Spraying the walls and ceilings for masonry, with liquid cement mortar for improving the adhesion of plaster and reinforcing bottom wall surfaces, including scaffolds of service and any other charges to bring an end completely spray.
 - Plastering conducted by a 2 cm thick layer of mortar bastard m-25 with dosage per m²: 0,005 m³ washed sand, mortar bastard (m-1: 2) 00:03 m³, cement (m-400) 6.6 kg, water, applied on the basis of guidelines prepared, in walls and ceilings, and smooth with trowel berdaf, including scaffolding service and any other charges to bring an end completely plastering perfectly.
- Guarantee for safe working for the employees participating in the process of passers and the community.

External plastering with grafiato includes:

- Application of grafiatos which is prepared in accordance with the requirements of the project colors. Grafiato applied on simple-mixed plastering.
- Scaffolds of service and any other charges to bring an end completely plastering perfectly and any other charges to bring an end completely xokolatures perfectly.
- Guarantee for safe working for the employees participating in the process of passers and the community.

Clothing tiles facade tiles provides; external wall coating as stated in the project, GRES tiles with dimensions provided in the project, supplied and located in the plant over a previously prepared surface, adjacent to the mortar with dosage in M²: 0,005 m³ washed sand, cement (m-400) 4 kg, white cement primer, complete cleaning, scaffolding service and any other charges for the termination of the dress perfectly.

Tablets in the corner, if necessary, will be met with appropriate Stone tiles. It is mandatory to apply the dilatecionit joints, squares should not be more than 3x3m. Particular care will treghet for filling the joints (which shall be not less than 5 mm), with appropriate silikon and color plaque and any other charges to bring an end completely xokolatures perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Thermoinsulation of facade with green t = 5cm + networks + plaster provides assembly of polystyrene 5 cm thick green, sticking it to the wall fasaded cough. While concrete upa plastic used and length 10 cm. Mounted and fixed elastic netting plastering well after measures have been completed with grafiato peragtitore plastering prepared with the colors provided in the project.

Including scaffolding service and any other charges to bring an end completely plastering perfectly and any other charges. Guarantee for safe working for the employees participating in the process of passers and the community.

Coating of inner wall

Coating wall, with high quality lime, on earlier plastered surfaces and leveled, with the dosage: 3 kg per m² lime. Patinaturave height for corridors and classrooms must be placed by Administartori Contract, including any other work and request to consider patinaturen finished in a perfect way and ready for painting with oil paint.

Guarantee for safe working for the employees participating in the process of passers and the community.

Coating of external wall

External coating cement at the bottom and the bottom wall surrounding outer plastered as above, and realized with cement mortar m-1: 2, the dosage per m³ as indicated in paragraph 6.1.5, the height and form as per instructions in the project, including molds or potential fasciations and any other charges to bring an end completely xokolatures perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Travertine tiles in the bottom of façade:

Travertine tiles with thickness 2 cm width 50 cm and height by country, supplied and located in the plant over a previously prepared surface, adjacent to the mortar with dosage in M2: 0,005 m³ washed sand, cement (m-400) 4 kg, white cement primer, complete cleaning, scaffolding service and any other charges for the termination of the dress perfectly. The capture of each caught two upa plates whose heads fall with Travertine. Upave heads filled with putty prepared by the dust of travertines was not distinguished.

For the tables in the corner, if necessary, the contractor must take to cut the factory so measurements will be made in the country for their width. It is mandatory to apply the dilatecionit joints, at least every 4 mm. Particular care will treghet for filling the joints (which shall be not less than 5 mm) with suitable silkon and color plaque and any other charges to bring an end completely xokolatures perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

Adjustments to the existing plaster

This has to do with the impact of all surface plastered walls and ceilings and finding parts puffy and cracked through sound, ruining these parts to the emergence of the bottom wall, the walls and ceilings, broken surfaces washing water pressure, including service scaffolds or skelerine, displacement resulting material within the site environment and any other charges to end completely removing the plaster.

Guarantee for safe working for the employees participating in the process of passers and the community.

Ceramic tiles provides clothing, clothing for a height 2.2 m to walls, white majolica tiles 20x20 cm first quality, supplied and located in the plant on previously prepared surface, adjacent to the dosage in M2 mortar: sand 0,005 m³ washed, cement (m-400) 4 kg, white cement primer, complete cleaning, scaffolding service and any other charges for the termination of the dress perfectly.

Tablets in the corner, if necessary, will be met with appropriate Stone tiles will be drilled with the puncher and will not be interrupted where there are sanitary.

Guarantee for safe working for the employees participating in the process of passers and the community.

Borders placement provides;

Taken with paving slab material or production industrial as defined in preventive be placed in the plant over previously prepared surface, adjacent to the mortar with dosage in M2: 0,005 m3 washed sand, cement (M-400) 4 kg, white cement primer, complete cleaning, scaffolding service and any other charges for the termination of the dress perfectly.

Plintus in the corner, if necessary, will be met with appropriate Stone slabs, it is provided that plintus not go more than 5 mm from the surface of the wall where they are based.

Any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

8. DOORS AND WINDOWS

SI windows with metal scaffolding provides.

Supply and placement of windows as described in VT, the size of which should be determined by the contractor, consisting of metal ele 4x4 cm or bent tubular iron for windows.

A canvas (not provided kontrolajlo) will be embedded directly into the wall with iron clamps with cement mortar (no corks with fillet). Leaf folding glass will be placed with the skeleton of the window hinges and locks will be equipped with shut-off in three directions and gloves.

Glass (thickness min. 4 mm when they are transparent, 6 mm when are reinforced with mesh networks) will be fixed in the metal shell through metal lath screwed in metal profiles and r window with gum. The skeleton and canvas window will bojatisen after plastering and with paints, but before loading the windows.

Including rifinitures works in masonry and any other equipment for the completion of the work perfectly.

Samples of items proposed will be presented to the shipyard Supervisor for prior approval.

Guarantee for safe working for the employees participating in the process of passers and the community.

SI double glazed aluminum windows provides.

Supply and placement of windows as described in VT, the size of which should be determined by the contractor, made with aluminum profiles with minimum thickness 4.5 cm, and previously painted on a regular basis, with color according to PP

A full kontrolajlo of metallic tube easy xinguar, will be fixed on the wall with iron clamps with cement mortar (no corks with fillet). Fixed shell window will be screwed to the canvas after the works plastering and with paints. Leaf folding glass will be placed with the skeleton of the window hinges and locks will be equipped with shut-off in three directions and gloves.

Glasses which may be double, and to (with a thickness of min. 4 mm when they are transparent, 6 mm when they are reinforced with wire mesh) will be fixed in the skeleton of duralumin through aluminum lath metal profiles of the window and GOMINA associated with.

Including rifinitures works in masonry and any other equipment for the completion of the work perfectly.

Every party aluminum windows with quantity over 100 m2 will be accompanied by:

- Guarantee sheet production, with production data windows, accessories and wire mesh, samples of production, structural calculations for inclining and reports evidence of the penetration of air, water and data for installation and maintenance.

- Guarantee for quality of aluminum, from manufacturing plants, associated with sketches will show logging vertical windows, full size sections, thickness and density of the metal, fastening devices, the method proposed for placement of accessories, and opening the glove size the details of construction, method of placing windows, details of operation of metal equipment, details of doors, methods and materials for fasciations, the method of placing the wire nets, methods and materials for establishing internal parts, window shutters, ledge, beams, handles, details of assembly and other parts related to them.

Timber windows should all come at the construction site in undamaged condition. To ensure unloading and climbing-deduction during transport to the construction site. Storage should not guarantee -shkarkimit demtinin during loading and deployment in the square waiting to be guaranteed by atmospheric aggression, distorting and bending excluded. Damaged windows should be repaired and made like new or otherwise they should not be used but must be ordered new window. Be guaranteed by luciduar surface damage during storage transport and assembly. Installation Of windows will be double-layer glass with a thickness not less than 4 mm space between them and dehydration hermetically attached. The space between the glass will be 6 mm. During the installation of windows allowed a minimum 3 mm space between the glass and metal parts which will serve for the elements sealants and for dismounting. Trusses windows placed and moved easily. Kallcuku fasciations not allowed synthetic and polytetrafluoroethylene. Samples of items proposed will be presented to the shipyard Supervisor for prior approval. SI metal exterior doors provided.

Supply and placement of exterior metal doors, the size of which should be determined by the company on the site, consisting of: a fixed kontratelajo in metal profiles fitted with iron clamps and a door a skeleton key or dykanatshe with standard metal profiles and sheet metal panels with shapes and dimensions according to the drawings in the project. For safety gate locks included three directions closing and locks in three copies, irons and relevant bits, brass gloves and all other special parts for closing the gate as well as other accessory, service scaffolds, works Masonry and any The next thing to consider gate to complete and functioning perfectly. Samples of items proposed will be presented to the shipyard Supervisor for prior approval. Guarantee for safe working for the employees participating in the process of passers and the community.

SI interior doors of relearned tamburato provides:

Supply door packed with part of the production plants ordered by size according to definitions in the project. Their assembly on the object of professional team equipped with relevant machines that fit standard production only place connected with height.

The frame in the mature pine wood (3 cm thick) and impregnated, size according to the width of the wall (which grows as a result of various clothing wall), which will be embedded in walls with iron suitable clamps (each 1 m) and cement mortar.

A wooden loom, to be screwed into kontratelajo after plastering and works with paints.

According to the drawing of the door in VT, the canvas will be provided with appropriate hinges and locking the door by type, etc.

Leaf between two sheets whose melamine with wood strips fully equipped with security locks.

Two panels will have thick melamines min. 8 mm, and all the borders of the door will be protected by the full wood strip and the overall thickness of the door will be min. 4.5 cm.

Security lock and key type Yale in three copies, brass gloves, and piastres of the respective bits, Including rifinitures works in masonry and any other equipment to end work perfectly.

Samples of items proposed will be presented to the shipyard Supervisor for prior approval.

Guarantee for safe working for the employees participating in the process of passers and the community.

SI internal aluminum doors at WC:

Supply and placement in the plant internal doors, sizes defined in the project, consisting of:

A metal tubular kontratelajo xingato, to be well embedded in the walls with iron suitable clamps (each 1 m) and cement mortar.

An aluminum canvas, to be screwed into kontratelajo after plastering and works with paints.

According to the drawing of the door in VT, the canvas will be equipped with hinges and locking the doors for installation of the door.

Leaf with standard aluminum profiles and the inside with wood paneling to bilaminar min. 10 mm thick.

Common locks, brass or plastic gloves, and irons of the respective bits and more from the back.

Bread rifinitures including works in masonry and any other equipment to end the work perfectly.

Samples of items proposed will be presented to the shipyard Supervisor for prior approval.

Guarantee for safe working for the employees participating in the process of passers and the community.

9. PAINTING WORKS

Hydroplastic ink painting for rehabilitation works, provides:

Erosion, cleaning and removing old painting with lime, paint, etc., including service or skelerine scaffolding.

The coating of stucco and synthetic stucco walls, where necessary, to have ready and perfectly surfaces for painting.

Making up the letter of surfaces that will not be painted (door and window profiles, plintus, floors, etc.).

A single coat suitable praimer, applied with brush on the walls and ceilings.

Painting some walls and ceilings hands hidromat ink until the termination of the work perfectly.

Every stitch and workmanship necessary for full completion of work perfectly.

Samples must be submitted in advance of the shipyard Supervisor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Hidroplastic ink painting FOR NEW WORKS provides:

-Removing of existing plastered surfaces for painting.

- The coating of stucco and plaster with synthetic stucco, where necessary, to have ready and perfectly surfaces for painting.

- Processing the letter of surfaces that will not be painted (door and window profiles, plintus, floors, etc.).

- A single coat suitable praimer, applied with brush on the walls and ceilings.

-Painting with three hands hidromat walls and ceilings, white or black, to end work perfectly.

-Every work and workmanship necessary for full completion of work perfectly.

-The must be submitted in advance of the shipyard Supervisor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Lacquer painting wood surfaces provide for:

-Itching and scrub with sandpaper letter of old painting, where necessary, including service or scaffolding.

-When asked transparent ink painting, removal of existing painting will be complete.

- Plaster and the coating of the walls with suitable fill material to have ready and perfectly surfaces for painting.
- When required painting with transparent paint, filler material should have the color of the wood.
- Painting with some hands lacquer paint (0.2 kg / m²) on wooden surfaces to end work perfectly.
- Every work and workmanship necessary for full completion of work perfectly.
- The must be submitted in advance of the shipyard Supervisor.

Guarantee for safe working for the employees participating in the process of passers and the community.

Painter painting oil on metal surfaces provides:

- Itching and cleaning with sandpaper letter of old painting, where necessary, including service or scaffolding.
- A single hand praimer or paint against rust, oil, with 0:08 kg per m² dose.
- Painting with one hand and the second hand ink ink antiruxha vali with orange (0.2 kg / m²) until the end of the work perfectly. Every stitch and workmanship necessary for full completion of work perfectly. Samples must be submitted in advance of the shipyard Supervisor.

Guarantee for safe working for the employees participating in the process of passers and the community.

10. THE VARIOUS WORKS

SI external rapids with granulated stone with granulated stone ready, with marble and wood provides, their realization Crossfall you can decant water from the outside elemeti must be equipped with a channel that carries water leaking and protects the walls of its rrjelljet. Their installation perfectly and we nivelura facade. The contractor must have in mind that any additional work for davancalin is leveled against him.

Any other charges and crafts for completion work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

SI stairs, with granulated stone-mixed element, with Mermet or other material provides: setting element that is violated, so perfect and only after it has been notices. Walking violations are always thicker than the vertical element of shkalles. Shkallet coating should be landscaped to perfection and so absolute that have not accepted the scale difference scale quota and if mm. Ramp height can be different degrees of each other. Degree vertical element must necessarily be supported on its horizontal element, be absolutely vertical. They planned to be fixed with plaster. Guarantee for safe working for the employees participating in the process of passers and the community.

Fitting double T profile 20 100x200x7 mm for forming header:

Lintel with double T profile 20 100x200x7 mm is used in the case when a window zmallohet including two or more existing window. Before demolishing walls made between windows to be removed, mounted new lintel which in this case is 6m. Not to create technical problems and for not ventured health and lives of employees who will deal with this process, the engineering passers plans the facility must work and determine the order of work which in this case is provided.

Construction of the necessary scaffolding stable from within and from outside the wall.

Marked where would lintel The new position of windows or more bashperforcimi of existing floors "SAP" (Slab brick mixed with filling holes and reinforced concrete) reinforced concrete layer, 8 cm thick, applied in the following order:

Lateral groove only on one side with a width less than half the thickness of the wall. If new lintel is at a level with the existing lintels removed and existing prefabricated lintel.

Mounted double profile pozicionoar T to right and cakruar level. Spins mesh networks and filled with granulated stone mortar with ratio of 1: 2. Filling carried out with some hands.

Only after the seasoned stuffing passed on the other side at the same time respecting the work.

It estimated that this process will be done with interval and not sequential.

Only after we are convinced that the lintel is formed and allowed gastshem can begin the process of demolition work of the walls between the windows.

All accomplished under the instructions of the engineer of the facility, including, puntelimet, scaffoldings of service possible with masonry work etc., Everything else necessary for the completion of its strengthening and realization perfectly by providing the guarantee for safe working for employees participating in the process of passers and the community.

Degree parapet balconies with stainless steel pipes or metallic yellow color, $h = 30 \sim 50$ cm, $h = 80 \sim 90$ cm provides:

Preparation and assembly of dividing in the form and height that requires the project. The capture of dividing the foundation is frequently not far from 1m, to be executed by the UPA $d = 14$ mm. Parapets should be protected with clothing until submitted to the investor.

Any other charges and crafts for completion work perfectly, are not accepted shaking, deformation damage and scratches dividing constituent elements.

Guarantee for safe working for the employees participating in the process of passers and the community.

B. SITE WORKS

Digging excavator breaker with chain of layers of concrete and asphalt, to the existing road to be paved with concrete slabs provides:

Breaking the existing layers asphalt or concrete, or both, gathering material and stucco torn country suitable for reuse as fill street material or behind the walls carrying.

Construction of internal spigot provides:

Dust cleaning the upper soil, carried out in any way, including the felling and removal of trees, shrubs, stumps, roots and removal of rocks on the surface, as shown in the General Plan.

Execution, in any way, the excavation for the realization of a foundation for the borders of roads and drainage for side channels 50x50 cm on both sides of the road, including the realization of slopes and pipes with concrete pipes with diameter 40 cm under way for drain the water where necessary.

Carefully squeeze the soil surface before placing the first layer 15 cm with river stones and finishing second layer 10 cm with all the ingredients needed for roads, both the good tight roller. Street course will carefully for side drainage water, as described in the project.

Placement of prefabricated borders on each side of the road, set on a concrete base M-150 to shed the layers well vibrated, the dosage per m³ as shown in the above article 4.a.4, leaving us every 5 m, an open space of 20 cm to drain the water, including all obligations necessary for completion of the work perfectly.

Guarantee for safe working for the employees participating in the process of passers and the community.

☐ Rain water and Drainage

The drainage of the object will be made on the outer perimeter of the existing sidewalk, without damaging it. The basement of the drainage ditch will be at the same height of the basement of the foundation, 1.70 m.

The ditch will be realized with concrete and will be covered with concrete cover. In its four corners there will be control pits. This ditch will also serve to keep the rainwater away from the building.

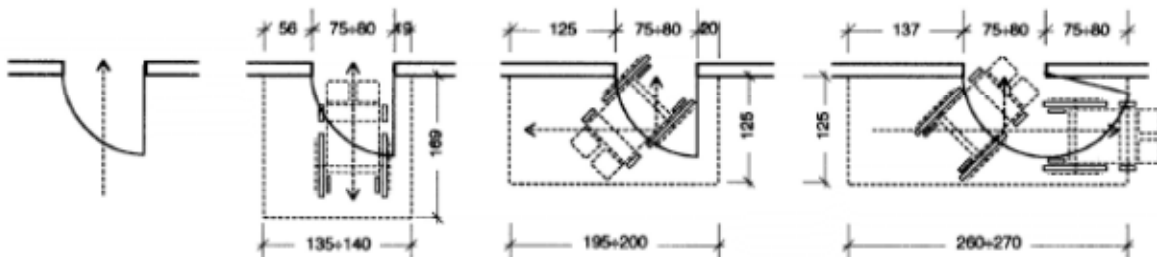
C. SPECIFICATIONS/ NORMS FOR PERSONS WITH DISABILITIES

- ***Environmental units and their components:***

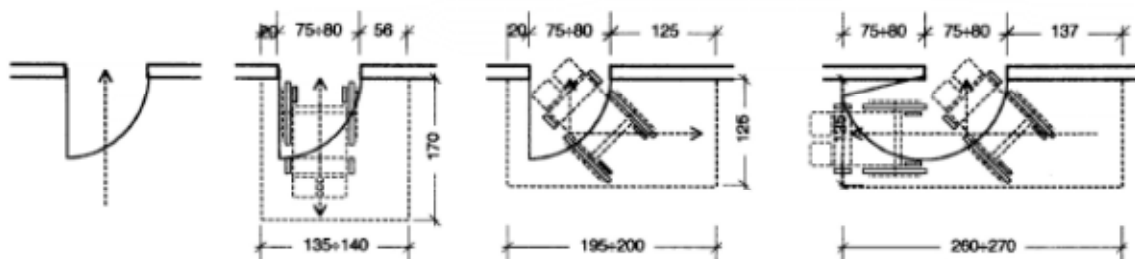
Doors, entrance doors spaces of each building and each estate unit must be at least 80 cm. Doors space must be at least 75 cm. Spaces before and after the door shall be in accordance with the minimum provided graphic data schemes as follows. The height of the glove should be between 85 and 95 cm (90 cm recommended) and for window up 90 ~ 120 cm. Solutions should be given priority with a single shutter doors have width greater than 120 cm and windows are placed at a height of 40 cm from the walking plan. Shoe cleaning elements must be placed at floor level.

Appropriate solutions for persons with disabilities: the spaces before and after the doors

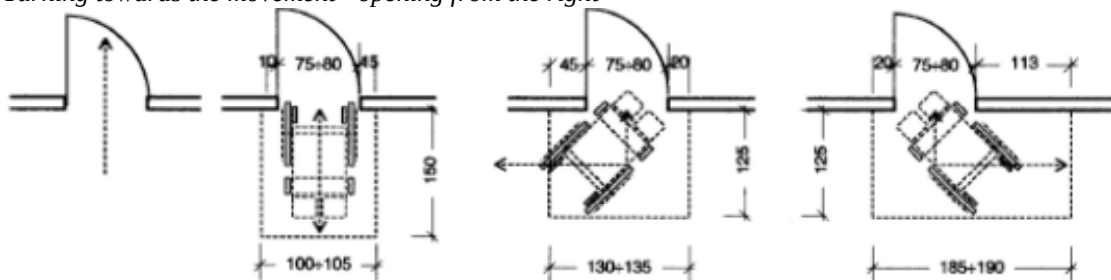
Turning in the opposite direction to the movement - turning from left



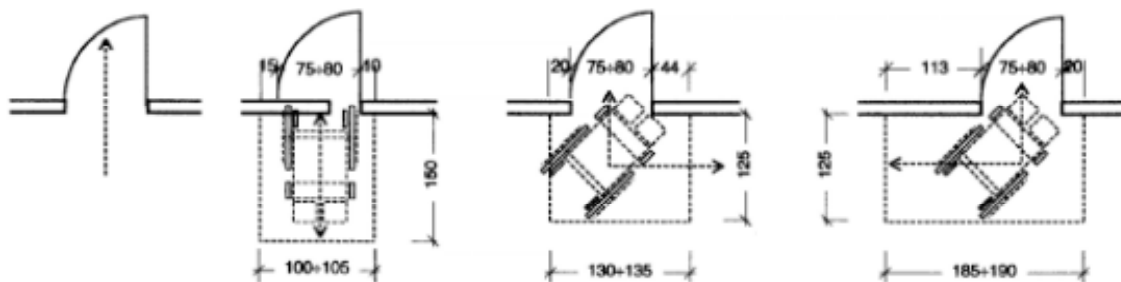
Turning in the opposite direction to the movement - opening from the right



Turning towards the movement - opening from the right

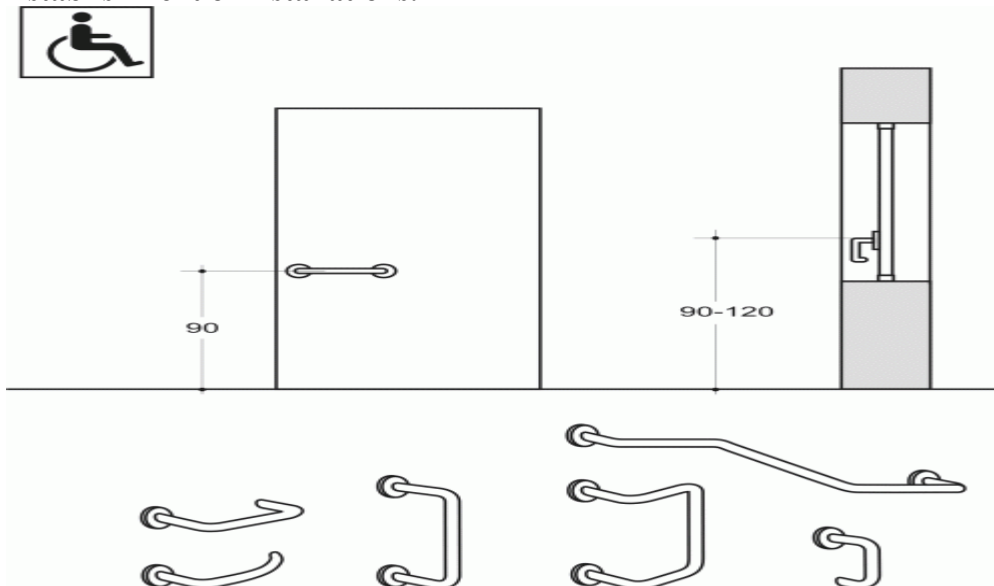


Turning towards the movement - turning from left



Handles on doors and windows.

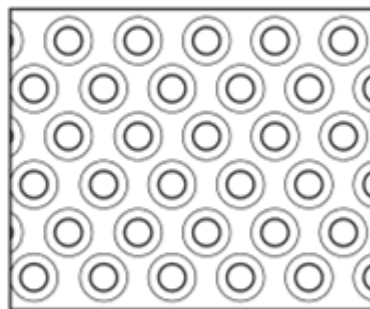
Establishment of installations.



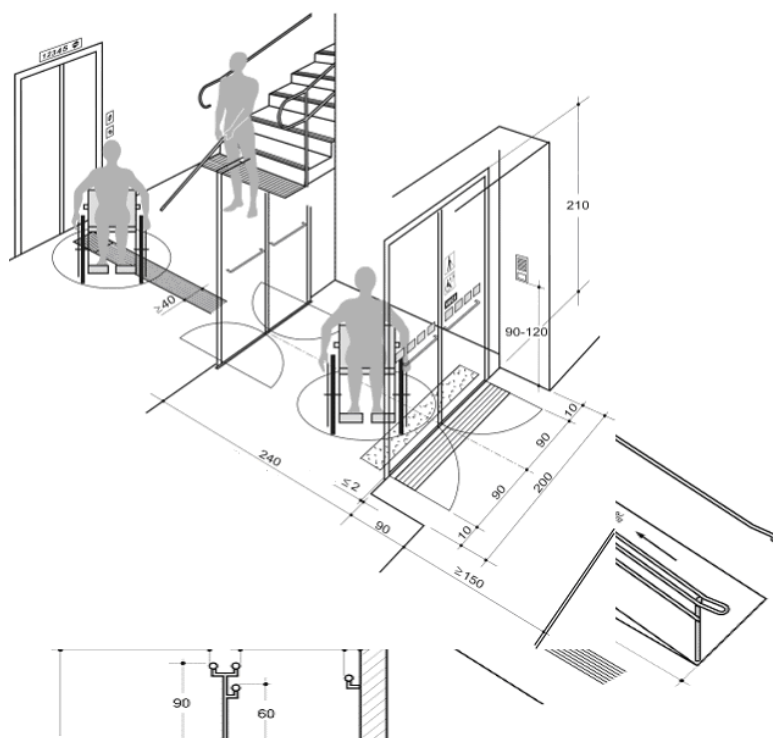
Floors, their possible disparities should not exceed 2.5 cm. Where they are predicting skid road paving.

Relief surface

Depressions structures; Beaded edge structures



Space entry.



- **Electrical installations**

Electrical installations must have:

- Interphone set height to 120 cm from the floor with light indication;
- Light switches and alarm set in height from 90 to 120 cm from the floor;
- Outlets placed on the kitchen work surface;
- Other outlets located in height from 90 to 120 cm from the floor;
- Electrical framework set in the amount of 90 to 120 cm;
- All electrical equipment installations have color in contrast to the surface where installed.

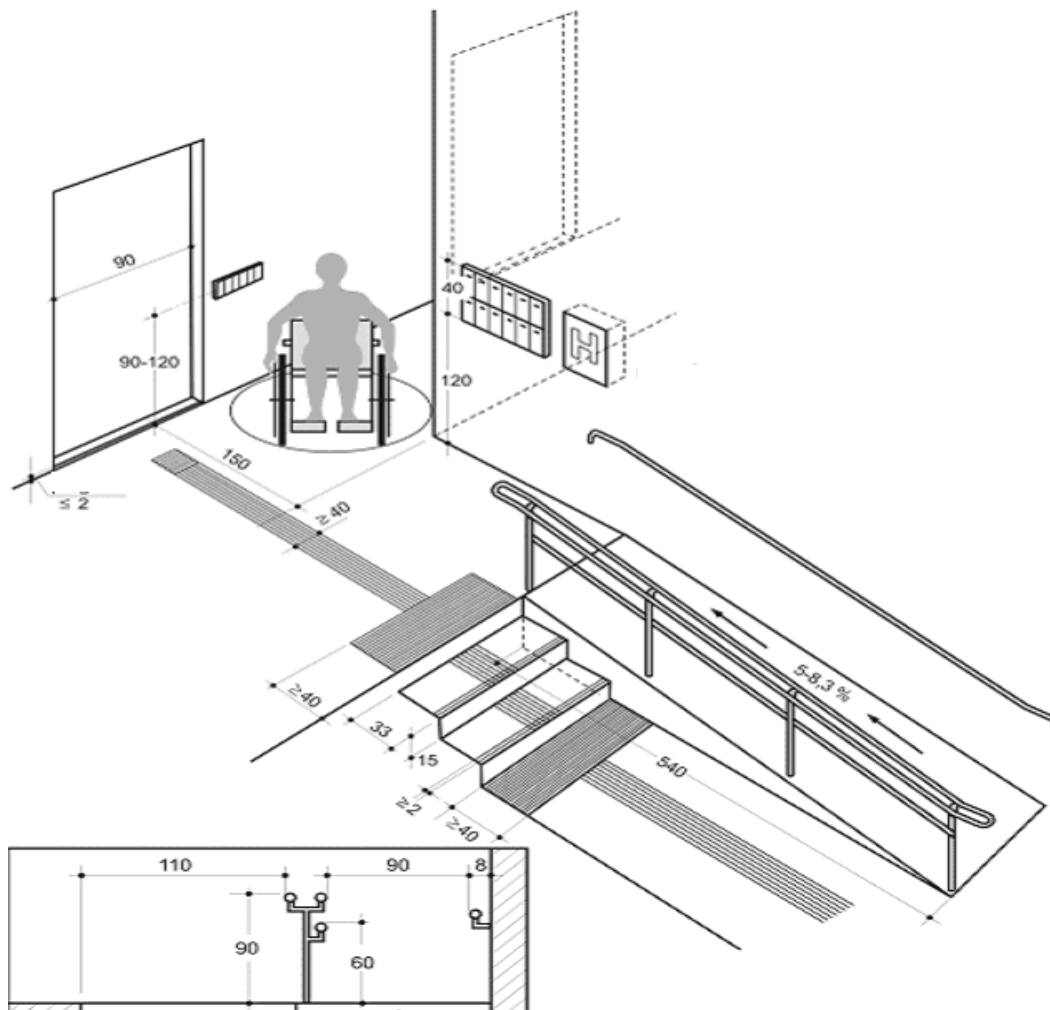
Terminals of plants which includes electrical equipment, general staff, valves and taps, jams various uses, regulators heating plant and air conditioning, alarm bells, citofoni, should be placed at a height between 40 and 140 cm. Indicative signs used are as follows.

- **Communication (communication facilities).**

Installation

Fitting,

thresholds.



- **Wheel chair lift**

- 340 kg capacity •Maximum travel of 3,000 mm •Travel speed: up to 0.13 m/s approx.
- 900 x 1,400 mm standard platform dimensions
- 115 VAC operation (115 VAC up direction and 12 VDC battery down)
- Emergency battery lowering •Remote location emergency manual lowering device •2:1 chain hydraulic drive system
- Gear type hydraulic pump •8 foot long modular guide rail assembly •Roller guide shoes •1.5 hp (1.119kW) output
- Electronic free relay logic controller •Automatic battery recharging system (115 VAC)
- Combination mechanical lock and electric contacts or electric strike •Low voltage controls
- Normal limit switch
- Control buttons on platform •Keyed call station •Continuous pressure directional buttons
- 6,067 mm high side guard panels •Non-skid platform surface
- Beige electrostatic powder coat paint on all steel and aluminum surfaces •No machine room required



- **Hygienic services**

Services should ensure hygienic handling and access for people with motor disabilities, should provide about the maneuvering space, the toilet-side approach here, bidet, bathtub, shower, washing machine and approach the front of the sink. So be respected following minimum dimensions:

- Space required approach and lateral movement of the wheelchair to toilet and bidet shall, if provided, must be minimum 100 cm, measured from the axis of no sanitary isjes
- Space required approximation wheelchair side of bathtubs, must be minimum 140 cm along the tub with a minimum depth of 90 cm;
- Free space for movement in a wheelchair for people with disabilities should be circular area with a diameter of at least 150 cm
- Space required approximation wheelchair front of the sink, must be at least 80 cm measured from the front of the sink. Regarding the characteristics of sanitary equipment among others

sinks must have upper located at 80 cm from the floor and without column with siphon possibly half closed or embedded in the wall;

- toilets and type bidet be dependent, in particular toilet axis or bides should be placed at a minimum distance from the wall 40 cm side, the front should be greater than 65 cm the back wall and the top must be 45-50 cm from the floor. If the axis of the toilet or bides is more than 40 cm away from the wall, it has provided a link or guardrail to allow movement at a distance of 40 cm from the axis of the sanitary device. Equipping the release of water in the toilet be placed at a height of 70 cm above the floor surface;
- Spray should be placed below, equipped with a chair to sit and get up and shower the phone;
- clothes VARs should be placed at a height of 120 cm from the floor;
- All equipment should have pronounced contrast in color from the floor and walls;
- Installation of the door opening mechanism from the outside in case aid award;
- Installation of an alarm system within the bathroom for use by disabled persons in case of need.

In residential dwellings accessible, the data in Article 3 of the second part of this regulation, among others, should be set in steps and railing equipment horizontal and / or vertical near the equipment.

In public places sanitation is required installation of guardrail near toilets, set with a height of 80 cm from the floor and with a diameter equal to 3-4 cm; if it is fixed to the wall should be placed 5 cm away from himself.

In the case of eligibility allowed bideve removal and replacement of the bath with a shower set down, in order to obtain a space for approaching the toilet side States and to determine adequate maneuvering space.

In the apartments of the residential buildings, which is projected at the request of the possibility of exploitation, sanitary service will be called accessible if it would be possible to achieve at least a toilet and a sink you by a person in a wheelchair. With the achievement of sanitary equipment means the opportunity to reach her bedside without side approach to toilets and bringing the front to sink.

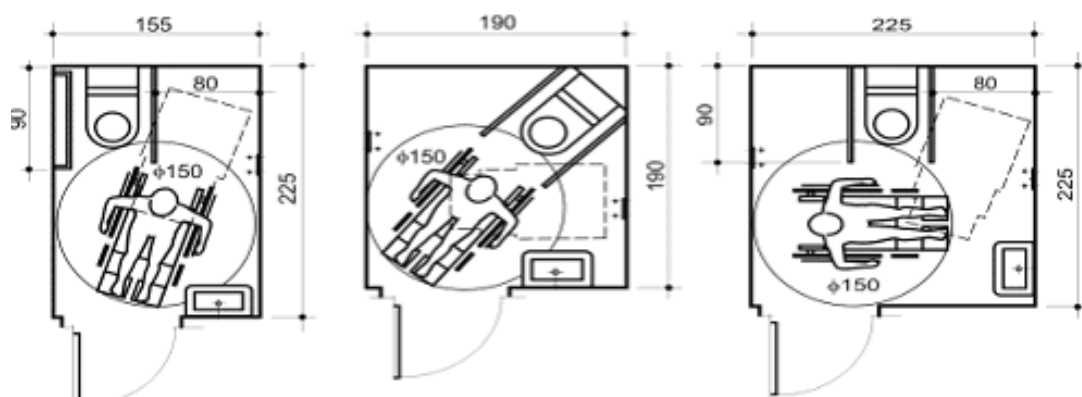
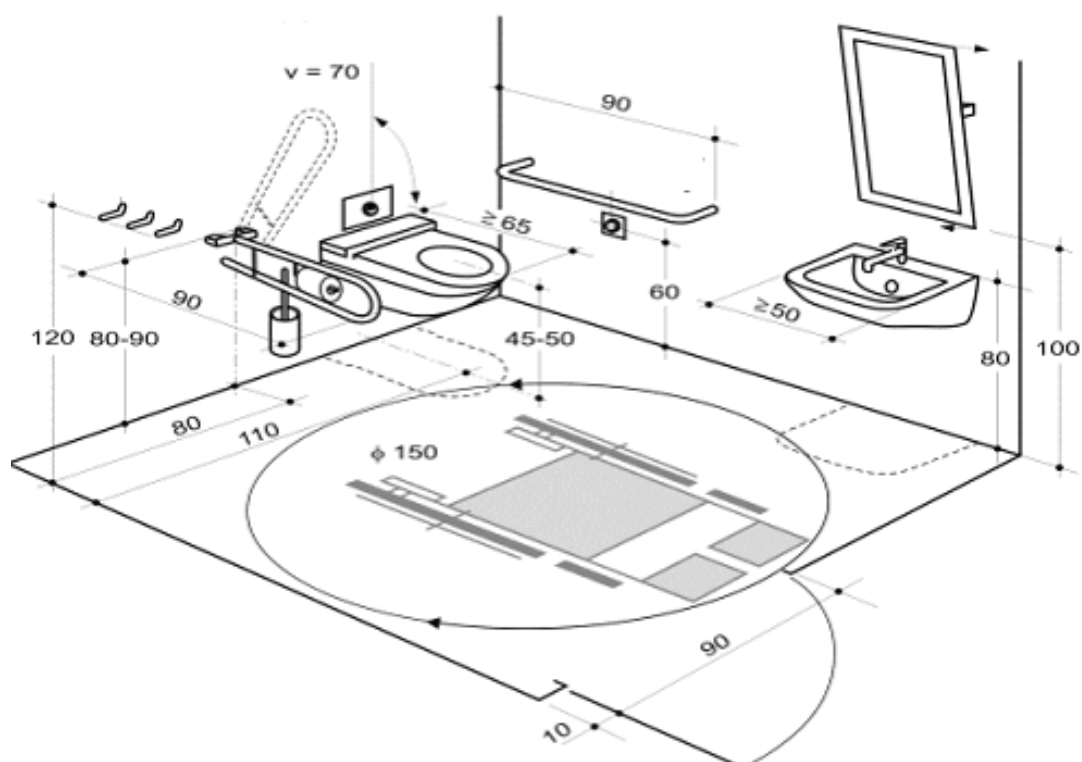
Signs for the possibility of using hygienic service facilities are provided as follows.

TOILET

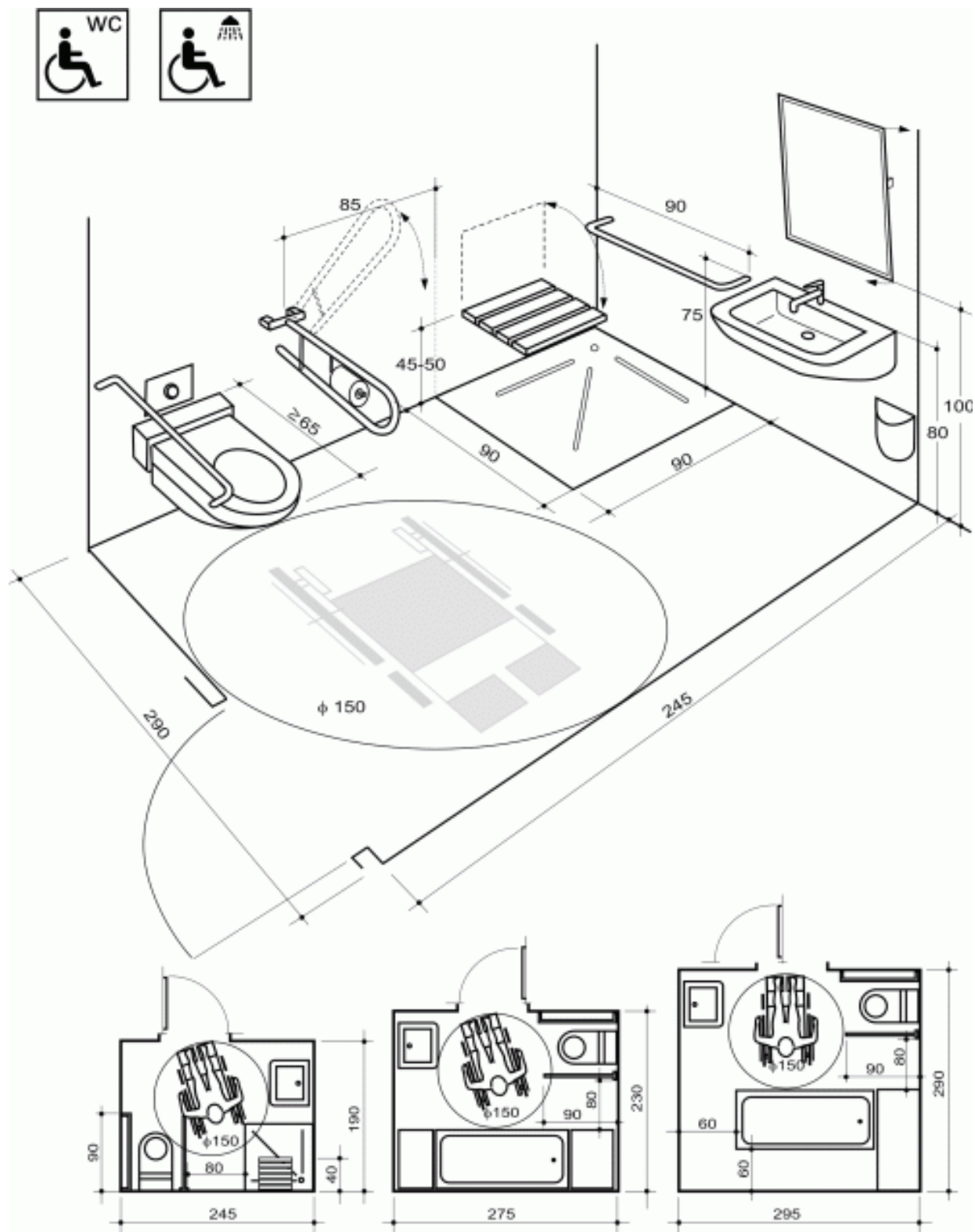
The mechanism for releasing water.

$v = 70$ cm.

Installing alarm.



The toilet



Horizontal routes and corridors must have a minimum width of 100 cm, and appropriate extensions to allow the change of direction of movement by a person in a wheelchair. These extensions must be realized in the terminal parts of the corridors and also provided to realized every 10 m in linear development. For parts or landing corridor where doors open to be adapted technical solutions in accordance with the ways of opening doors and spaces needed for passage, as well as technical solutions:

- The equivalent net goal with 75 ~ 80 cm when:

- a. Passing the gate area on the page wall is perpendicular to the direction of the wheelchair direction for:

- a-1. needs back during the opening movement, the free base required surface is 190 cm and 100 cm width of the corridor.

- A-2. simple maneuver, without moving back side spaces that should be respected is 45 cm and the free surface of the base must be 135 cm.

- A-3. free width 100 cm, free surface of the base must be 120 cm.

- b. Passing the gate area located on a site wall is parallel to the direction of management for wheelchair;

- b-1. Corridor width 100 cm, space needed beyond the gate should be 20 cm, the maneuver space to start on the left should be 100 cm and the opening of the gate more than 90 °. The same goes for the opposite door.

- b-2. Corridor width 100 cm space required beyond the goal should be 110 cm to allow opening and necessary space on the left should be as far as voice instead carts .. The same for the opposite side entrance.

- b-3. Corridor width 100 cm opening of the gate is beyond 90 °, the space required in the corridor beyond the gate is 10 cm, space needed beyond the entrance gate space is 20 cm and the space required on the left, in the hallway at least 90 cm, to guarantee the return.

- c. Thin crossings and through the gates located in straight line between them and the page wall perpendicular to the direction of movement of the wheelchair for:

- c-1. Need movement back during the opening of the gate basic space needed is 190 cm, space needed basis before the hall is 120 cm and 100 cm width of the hall. c-2. Simple maneuver, without having to perform space moves back through the second gate is 45 cm, space needed basis is 180 cm and width required is 135 cm.

- c-3. Need movement back during the opening of the gate width of the hall is 100 cm and the space needed is 190 cm base.

- c-4. Simple maneuver without having to move back empty spaces through the second gate is 45 cm and the necessary space base is 210 cm ..

- c-5. Simple maneuver without having to move back needed space base is 170 cm and space needed basis before the hall is 135 cm.

- d. Walking trails exists located in thin and pass through gates perpendicular among them are:

- d-1. width 100 cm thin and needed beyond the gate areas 20 cm, as well as the necessary space between the two doors 110 cm.

- d-2. Hall width 100 cm, opening the gates to 90 ° and hall space base 140 cm.

Solutions a-1, c-1, c-3 are acceptable only in case of adjustment.

Ramps (ramps)

Considered achievable passage of an elevation of up to 320 cm via ramps placed one after the other. Ramp must fulfill conditions:

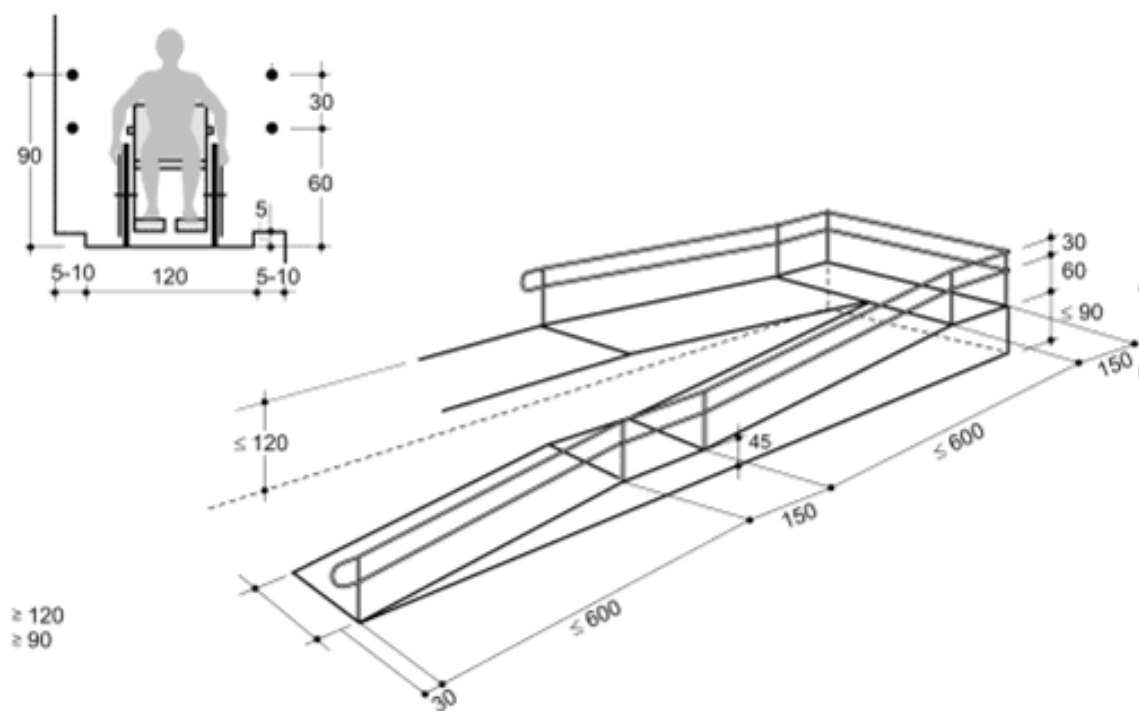
- Slope to allow up to 1:20 (5%);
- Width of at least 120 cm in outdoor spaces, ie less than 90 cm in the interior spaces;
- Horizontal holiday square minimum dimensions of 150 x 150 cm or 140 x 170 cm in terms of indirect and 170 cm in the longitudinal direction from the opposite side of the movement, located in 10 m length of the ramp,
- Relievore against the sliding surface;
- Fencing with gloves built into the unprotected holder or, failing an edging at least 10 cm height;
- Glove holder with 4 cm diameter, formatted so that it can be captured with the span, located in two heights - 60 cm and 90 cm;
- Siege of the ramp which is located in outer space, holding his gloves realized in such a way as not to be susceptible to thermal changes;
- Siege of the glass surface to be visibly;
- Use of signs of adaptation.

The slope of the platforms must not exceed 8%. Are acceptable sloping higher, in the case of eligibility, related to the effective linear development platform.

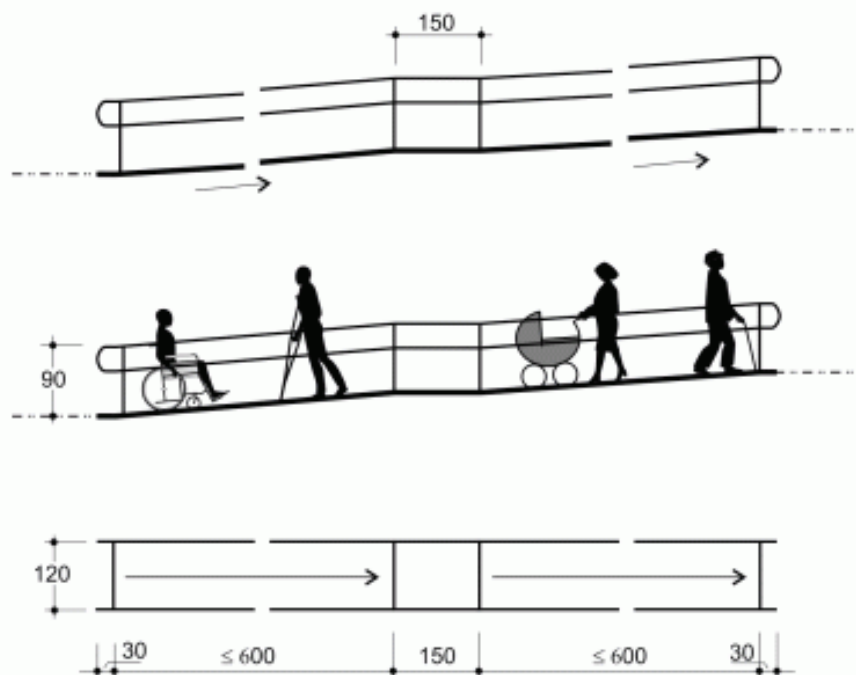
Ramp

≥ 120 cm in outer space

≥ 90 cm in interior spaces

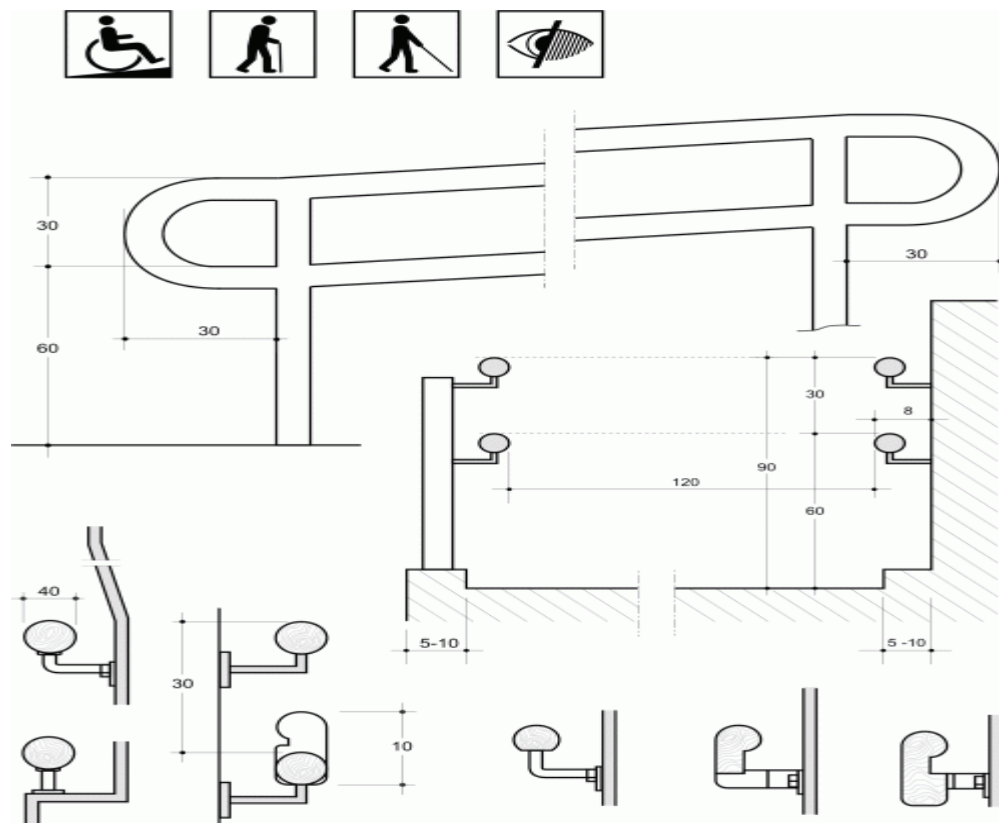


≈ 120
≈ 90



Supporter of hand (koromano)

circular handles



Orientation plan for movement in buildings

Orientation plan for movement in the building must be carried out in the form relieve and satisfy the following conditions:

- Be placed horizontally up to 90 cm height and vertically up to 180 cm height from the quota of the floor.
- To be located near the entrance of the building;
- Contain information in Braille;
- From the front door of the building to have come relieve plan leading to the direction of movement;
- To show the direction to accomplish

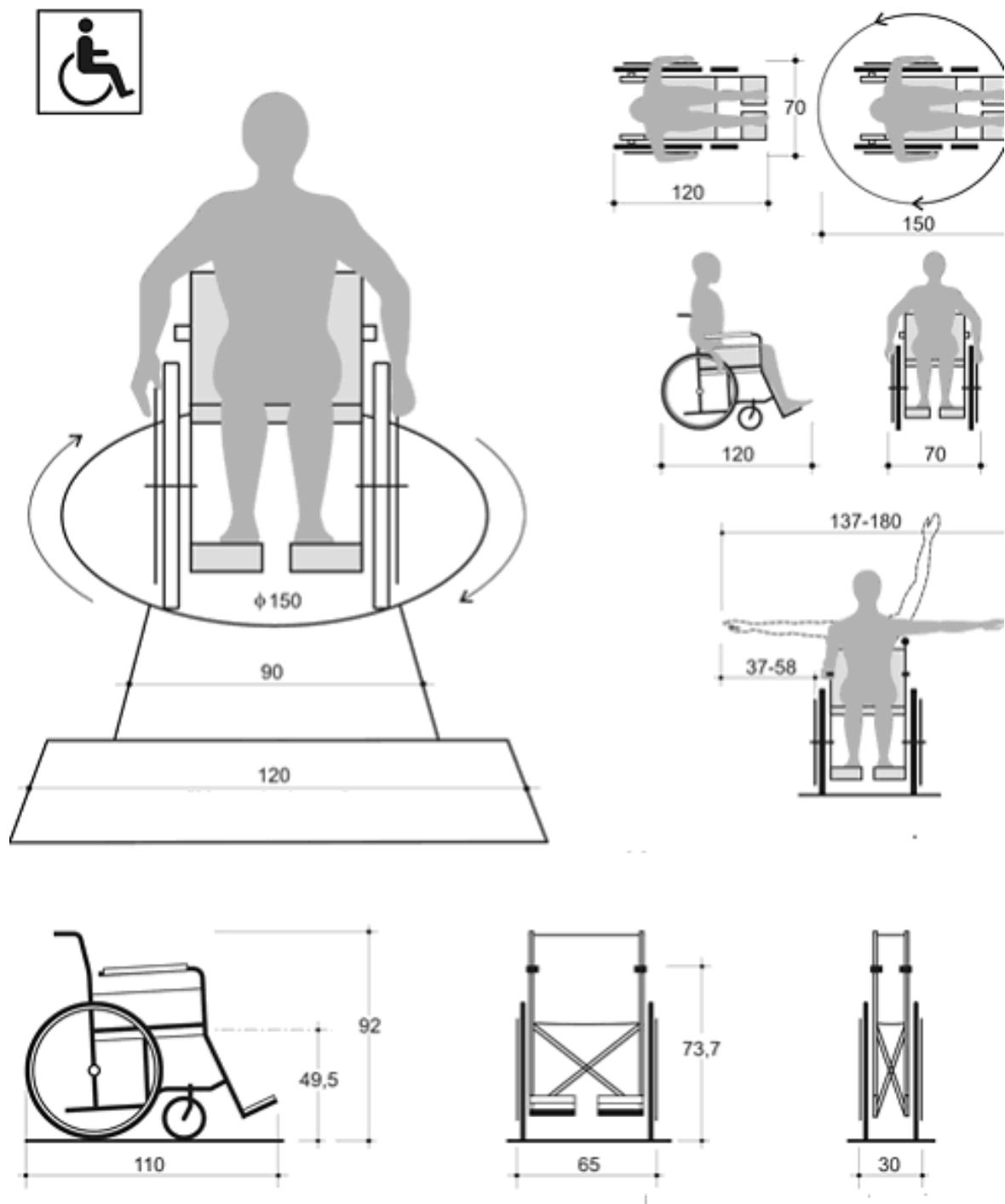
Signs of adjustment for people with disabilities-in

The following are signs of adaptation. Dimensions and color of all the signs of achievement, as well as the type of material from which it is determined in relation to work:

- Plan in which a sign;
- The shape of the outer space and / or the interior;
- The distance from which the PWD should notice the sign.



Graphic presentation on the conditions of use of auxiliary elements for accessibility
Terms of use of assistance in moving the wheelchair spaces for persons with disabilities - PWD



The width of the road movement in closed spaces.
 The width of the road movement in outer space.
 Side view, frontal view, frontal view of the folded wheelchair.
 Dimensions in the wheelchair with the user width.
 The average dimensions of the carriage of persons with disabilities.

D. SPECIFICATIONS FOR INSTALLATION OF WATER SUPPLY AND SEWAGE

1. Materiales

Based on the calculations and networking pave the stage of project implementation as well as to meet the technical conditions of design and state standards for construction of the water supply line and the line of departure for wastewater will be used the following materials:

A.-Pipelines

We support the design project for water supply, will be used pipes

EP-PE100 PN10, Pn 16 PPR pipes, PVC pipes, PVC pipes with diameters junction as follows:

PE pipe 40 mm PN 10 atm which will be used for the supply line and the respective rakorderit.

PPR pipe 50 mm PN 16 atm which will be used for hydrants and relevant rakorderit.

PPR pipe with 32 mm PN 16 atm which will be used for internal distribution of water (cold water) and the respective rakorderit.

PPR pipe 25 mm, which will be used for internal lines of toilets and kitchen (cold water and warm) and relevant rakorderit.

50 mm PVC pipe, which will be used for wastewater removal of sinks, bideve, slab shower, lavapjatit and rakorderit PILETA and relevant.

110 mm PVC pipe, which will be used to remove the toilet wastewater and will gather wastewater of 50 mm PVC pipe to manholes and relevant rakorderit.

200 mm tube junction which will be used by manholes A to B puseten for sewage removal.

250 mm tube junction which will be used by boreholes B to puseten discharge terminal.

B-Wells

1x1x1.5 control wells (boreholes A) with 70mm diameter cast iron lid.

1.25x1.25x1.5 Control wells (boreholes B onwards) with cast iron lid diameter 70 mm.

C-Hidrantu

Hydrants 50 mm with a radius not less than 30 m, the interior of the building will be equipped with fire extinguishing cylinder (with foam).

D-Hydro-sanitary

Porcelain sinks must be together with mishelatore (group) and all the necessary accessories.

Porcelain bidet should be together with mishelatore (group) and all the necessary accessories.

Dish sink should be porcelain with two holes together with mishelatore (group) and all the necessary accessories.

Shower tiles should be porcelain together with mishelatore (group) and all the necessary accessories.

Floor 50 mm associated with siphon.

Boilers for heating water 80 liter together with accessories.

Water heating boilers 12 literbashke with accessories.

E-Other

Zingato cold water tank with a capacity of 2000 liters suitable to be placed vertically.

Pulmo pump with 24 liter, one of the pumps will serve the network of

Facility water supply and the other would be linked to the line of

Hydrants (and the respective accessories).

Galixan 1 "for water tanks.

Controvalvs 40 mm for water tanks.

Valves 40 mm for water tanks.

Water measuring 40 mm, 40 mm kundravallu valves and relevant rakorderit which will be used at the point of connection (water supply).

PPR valves ½ "which will be used at the entrance of the toilets and the kitchen.

Use

Pipes, fittings, accessories must be transported, stored and used in order to avoid risks and damages. Hooks must not have contact with surfaces coupling. Plastic tubes should not be exposed to prevent inclining by increased heat.

Damaged materials must be removed from the workplace for not being used.

Cleaning

The interior of all pipes and equipment must be cleaned before installation and be kept clean until the work be accepted.

Unifying all contact surfaces must be kept clean to ensure better adhesion, until merger to be completed.

It shall be prohibited introduction of foreign materials inside the pipes during installation. No residue, tool, clothing or other materials should not be placed on the pipes.

Setting Pipe

The pipeline must be placed under the lines and readable set of drawings. Unilateral displacement of the tube should be avoided during setting. The tubes should not be placed in water or under inappropriate conditions of the time or channel.

Placing tubes should start from the lower quota toward those with hospitalization larta. Ne any moment stops, open end of the tube should be closed tightly and the end of the pipe fitting to prevent entry of sand or soil in the pipe. The last panel must have some small holes near the center to allow water to enter the pipe and stop the flow of large flood channel in case. Syringes should not be exposed to the sun because they are located in the channel.

Union

All preparations for the merger and the merger itself should be performed according to the guidelines and recommendations of the pipe manufacturers.

The depth of the excavations

Based on diameter pipeline that would do people use, the width of the trench will be.

- ~ 50 cm to 100cm

Groove

The opening of the canal will vary according to terrains. Transheja should be opened with the slope 1: 1, 1: 2 In all cases, the soil will be placed on one side of transheja, in order to facilitate the placement of tubes.

3. Protective layer tube

Before deciding PE plastic tubing, PVC sole junction and should be niveluar. Poshte and above these plastic tubes will be 20-80 cm sand layer for external lines.

4. Return to technical conditions existing infrastructure

Before opening the channels become azhomimi for existing infrastructure of the area water supply, telecom network, electricity etc.

But sometimes that these networks are not defined precisely, so that it may become necessary repair of those in the event of any injury during the opening of the primary and secondary channels.

Works for technical conditions return water supply network, telecom and electric will be made by undertaking under the supervision of the director of works.

5.-Filling

Once the pipeline laid protective layers, filling the channel will be carefully selected and excavation of the large stones and then I will be returning to their former state roads with layers according to the drawings.

6-Transport excess soil

The excavated material will be used for filling and covering wherever possible. In essence during emerges and redundant coverage to the effect of volume that occupies pipeline from undertaking in collaboration with the local government will be determined dumping place of excess soil.

Their transport vehicle will be defined in the first place by local governments.

7. Cleaning of construction site

After completion of the project site to be cleaned from the remnants of shipyard construction to turn the square in the previous situation

D - Construction

1-MATERIALS

1.1 Cement.

Except in cases that are not advised, will be used ordinary cement was found in the market Albanian. Cement used consults with R42,5 resistance.

1.2 Water

Water to be used for all mixtures will be good quality, clean and free of other harmful substances.

In all cases the amount of water to be used must be regulated precisely tampered with to achieve the obtained resistance of concrete to prepare, knowing also that this preparation depends on the quality of granulated stone and weather conditions.

1.3 Sand.

For the preparation of concrete, will be used always washed river sand, the quality should be: Remove all foreign parts and clay. It will not be used in any case waste Pieces lime, sand or sea.

Granulometria presented is based on the use:

- For concrete: granulometry 0.1 / 5,
- For mortar: granulometry 0.1 / 3.

1.4 granulated stone.

Granulated stone will be composed of natural materials, was drawn from the river or from breaking. Granulated stone will be used exclusively vintage, calibrated according to these data:

- 10/20 for layers of layers,
- -5/10 for concrete.

E. EVIDENCE OF NETWORK

1. Disinfection

To avoid contamination of water before being placed on the work they are cleaned and disinfected. This process is based on "Regulation hygienic sanitary Control Drinking Water Quality, design, construction and Mbilqyrjen .Shfrytezimin Supply Systems Drinking Water."

Cleaning is done with water at great speed in sectors with a length that depends on the possibility

of discharging water linjave. Shperlarja continues for a period of not less than 2 hours until the water be brought clean water.

Disinfection solution becomes chlorine lines whose doses taken depending on the time of contact. Per a contact time of the solution with the tube of 8 oresh. doza taken 100 mg / liter, contact 12 hours to 60 mg / liter, while for 24 hours can be taken 20-30 mg / liter. pas kesaj. tubacioni emptied by

Water and rinse again becomes clean water without interruption for 6 hours until the smell of chlorine removed.

After disinfection and water supply lines being laundered made baktereologjike. Marrja analysis of water samples for bacteriological analysis made by specialists of the sector of production of water (laboratory) and hygiene and State Sanitary Inspectorate.

Approval for operation of the new lines is done by the State Sanitary Inspectorate Department of Public Health of Vlora.

2. Putting the pressure.

During the test the pressure in part of the new pipeline, all accessories must be open, and the ramifications that are in the network are closed.

The following measures will be taken to avoid all the problems of decommissioning of these networks: putting in progressive pressure for almost one hour, the high points of the network already cleared the air during filling with water.

Theoretically evidence will be declared finished if the pressure fall during observation there would exceed 1 bar. Otherwise, the construction company must find and to repair leaks in order to arrive at a final test.

If on top of 20 hours of release of water in the working pressure, not seen any obvious leaks in parts along the pathway network, the proof will be declared completed and will be carried out overlapping channels.

E. ELECTRICAL WORKS

1.1 Data Facility

For high school building material to be used will be certified products provided "CE" products to the European Union standards, to build so a functional object as well as contemporary.

In the construction of this institution will include the construction of elektrikete systems below:

- power grid project,
- telephone network project and date
- fire detection project
- public notification project

Electrical system design for the school will be in full compliance with its structure construction, architectural and constructive, and you adapt and respond to the requirements set forth in the design task. Building electrical systems will be closely linked to the internal space of the building, its division into zones

1.2 Power supply facility

Power supply will be achieved through the existing building. Being that it is the duty of Oshea AD to study and manage its network he need to see how I uploaded is the point where the network will provide connectivity. From where will clearly emerge if necessary or not building this electric cabin.

Supply will be realized by a separate cabin built by the investor only if AD Oshea looks impossible supply network from a point without being required to build cabins in question.

1.3 The electricity network

Power supply the building with electricity from the grid LV Oshea AD, connecting the building to the electrical system of cables from LV panels to consumer endpoints or even the device. The cables are recommended to be used will be FG7OR type, according to CEI 20-20 norm, Classe 5, with higher quality and fire preven- without toxic gases to comply with standard CEI 20-38. The rate applied CEI 20-20

Distributer network will consist of the main panel which should also feed this additional panel environments.

Electrical panel must consist of protective equipment, measuring and switching equipment.

Framework should be hub metal wrapping around the internal coverage of reserve countries.

Protecting equipment must be under rate automate CEI 60898 and CEI 60947-2

MT differential and differential slot machines to comply with standard CEI 61008, except provide overload protection and short links the protection of the land rjedhjes currents.

Switching equipment to comply with standard CEI 60947-3, they are those devices that make possible the meeting or disconnecting the load but can not protect the network from overloading short links.

Distribution panels must be with the space necessary for the deployment of all slot-machines and a count of 15-20% reserves complicated for possible developments in the future. These panels must meet criteria that slot-machine thermal heating, have land for setting Klemm and fiber cables, montueshem be on the floor or wall as required. The panels must be painted with metallic cover electric paint baking, have glass doors to facilitate the work of maintenance personnel, to be completed with accessories necessary for the safety of all the cabling and other equipment. Such a panel autometeve facilitates work through the internal circulation of air and makes it possible to automate a shperdnarje different phases and facility requirements.

The top panel low voltage

The top panel of the low voltage transformer placed in the room, if it is in the building or in a separate cabin, if the building is supplied with low voltage.

LV main panel may be on plastering type (mounted with screws and upa directly on the wall in height 0.9 m from the floor) or under plastering. It should be metal, coated with ink, which resists corrosion, and be lockable with keys.

Its dimensions are dependent on electrical equipment to be installed, which are depending on the load of the building.

LV main panel must include at least:

Electricity meter 3 phase

Leading an automatic three-phase 400 V, amperazhi depends on the load

Phase slot for each floor (it is suggested that we each floor is fitted with three stages in order to become a good distribution as load and greater security of supply)

Ampermetra for every phase of his story we cover. Potentiometer with three positions to measure every stage of story and command in his cap.

The beacons of phases with his story we cover. Klemm related earthing earthing system

His installation and components, should be done by electrical specialist under the supervision of Engineer. All connections cables / wires inside the panel will be made by means of unifying Klemm and not nastrobband.

Himself being a metal panel must be connected to the earthing system.



An example of the main panel low voltage may be of the type manufactured by ABB VESTA 400-ITALY, or another similar accepted as specified below:

Mounting surface (sheet produced by the factory)
Factory manufacturing steel sheets baked in the oven.
SACE MCB frontal control ISOMAX, S3N-250
Ampermetra 0-250 / s and gauging kwh.
Dimensions: 600x400x1800mm.

Distribution panels in the floors are LV distribution points, which except for the floor distribution voltage, enabling the selection and protection.

These panels are the type that are mounted under the plastering or plastering.

Panels depending on the load can be up to 12 elements on one floor and 2 more elements for floors, and so on.

These panels, since it will be placed in public places, must be lockable door for security reasons.



Within wall panel

Indispensable elements of these panels are:

Magnetotermik main Slot 3 phase and differential protection, amperazhi depends on the load;

The beacons of stages (3 units);

Single-phase power manjetotermik slot (socket), who reports to the socket that would have also supplied their amperazhin;

Manjetotermik the lighting slot machines, which are dependent of luminaries who will also have supplied their amperazhin;

It is recommended that the lighting system be separated from that of power.

Fine examples of these panels are presented below, and are manufacturing GEWISS, Italy, series 40 CD. It is recommended to use them or similar to those that meet the same conditions.

Set out below is a panel for mounting on plastering translucent lid.

TECHNICAL SPECIFICATIONS

Min. installation temperature -25°C

Max. installation temperature 60°C

IK Code 07

Test heating wires 750°C

All wires and cables must have the certificate of approval of the relevant local authorities and the factory certificate.

The wires should be simple copper conductors insulated (coated) single layer PVC to be inserted inside tubes and lines.

Isolation of wires and sheath must be insulated colored to identify the stage and Nuli.

All cases when PVC cables terminate in a distribution panel fuses, electrical equipment, etc., must leave a quantity cable loosely to allow in the future, stripping the reconnection with the terminals without causing their withdrawal.

Cables for each section of the installation must be shut down through tubes and boxes fuses system summary for that particular division. Cables must be installed using the system 'loop'

Dismantling of insulation in PVC insulated cables must be carried out using an appropriate tool for stripping, and not a blade.

The wires should be colored for identification. The black should be used for neutral conductor, green / yellow must be used for land and color Semiconductors red / blue and yellow for Semiconductors phase. The same color should be used for connections to the same phase conductor. The same color should be used for connections at the same stage of supply for all installations.

All cables to should be placed in such a way that we have through the label and stamp of the producer or other proof of origin and the contractor should receive permanent certificates to manufacturers test against an order given, if required by engineering.

Number of cables to be installed in pipes should be so as to allow easy entry without damage to cables and should not in any circumstance occupy more than 40% of space. Installation should comply with KTZ in Albania.

Flexible cable (with some wires for each wire shumefijesh)

All cables must have the certificate of approval of the relevant local authorities and the factory certificate.

PVC insulation of cables must endure 600/1000 V, shumetelesh or wire to the simple copper conductors insulated tempered with PVC and with a PVC sheath above are final.

All cables introduced through pipes should be insulated with polyvinyl chloride and high conductivity.

Flexible cables are made from wire shumefijesh and their subordinated have:

3 wire cable, 1 stage, 1 null, 1 ground (for single-phase system)

Cable with 4 wires, 3 phase and 1 null (for the three-phase system without earthing)

5 cable wire, 3-phase, 1 null and 1 ground (persistemin phase with earthing)

Flexible cables must have colored wires for identification. The black should be used for neutral conductor, green / yellow must be used for land and color Semiconductors red / blue and yellow for Semiconductors phase. The same color should be used for connections to the same phase conductor. The same color should be used for connections at the same stage of supply for all installations.

No cable section smaller than 2.5 mm² should not be used with the installation only if mentioned in particular. Semiconductors land must have a minimum extent required by regulation.

Channels and accessories

Wiring can be done in two ways:

Under plaster embedded in flexible PVC pipes

Plaster in the slots on PVC

Installation accessories under plaster are:

PVC flexible tubes of different dimensions depending on the dimension and the number of wires to be included in the

Boxes for fixing the socket or the keys .All these placed before plastering.

For carrying out the electrical installation under plaster inserted sequence should be followed work as follows:

Opening of the channels in the wall of dimension such that the flexible tube is placed freely and with a depth such that they do not appear on the level of the final plaster.

Flexible tubes and boxes set of PVC which provisionally fixed with plaster (later closed with mortar plastering channels)

Once is committed plastering, insert wires or cables, by their guidelines, which should enter freely and left both sides in an amount sufficient for making connections and assembly.

Flexible tubes must be type DL 44 Range (NF Range) for corridors and / or the type DL 50 Range (BR PVC Range) for rooms manufactured by GEWISS-ITALY or other similar accepted a relevant standards below:

Compliance with standards: CEI 23-32.

PVC material.

(Resistance) sustainability of the insulation: 100 MΩ

IP rate: IP40

Sustainability shocks: IK08

Installed temperature: -5/60 degree Celsius

Channels and establishing flexible PVC pipes must be at a distance of 0.4 m below the level of the ceiling in a horizontal straight line and deductions for keys or vertical sockets become right and not with whom or bow-shaped.

Distribution boxes depending on the system to be used are for under plastering or plastering so on ways of fixing them is or with plaster or by means of screws with UPA.

They vary the sizes of the boxes as appropriate and necessary. They are in the form of circular, square or rectangular and their caps and closures are of different colors.

It is important that the connection of wires / cables inside the distribution boxes of Klemm accomplished through coupling or fans.

Flexible connections commonly used in laboratories and consist in that electric lines going up near the end device distribution box and from there to the device to be connected using a flexible connection outside wall. For this need to exit the cable from the box to be stable distribution, isolated and in technical terms. The cable itself be insulated with two layers of insulation and put in flexible pipes. His connection to the device to be made in its morseterine.

Kanal system is very useful especially when the reconstruction of the old system of power must be drawn completely out of work and need to install a new undamaged and Construction plastering or removable material.

Kanalinave system as under plaster system with flexible tubes must meet all technical requirements of electrical installations

Kanalinave systems must be PE 40/42 series produced by GEWISS-ITALY or other similar accepted a relevant standards.

Kanalinave system consisting of its accessories, such as:

Channels with different dimensions, depending on the number of wires / cables, sockets, keys etc., to be installed in, length 2 m

Angular (serving for the formation of edges in wiring) which are depending on the channel that is being extended

T.Kutite shaped diverter distribution of different dimensions

Fitting kanalnave made through screws, and placed 0.4 m below the ceiling, to the distribution network and the height of the socket / keys for their assembly.

Lighting of the facility will be brighter 4x18w with IP20 and IP54 protection under the schemes in the drawing. We toilets will be used plafonier illuminating type 40W .Pavaresisht tavonor environment which will brighten the lighting calculation is done to comply with standard EN 12464, creating a uniform surface well lit in every part of it and be quiet about the work of the staff and all people.

Lighting will be different depending on the environment such as offices, corridors, halls, stairs etc. The recommended is the indirect lighting is used to eliminate high flows of light often unpleasant. Their lighting features is quiet, njetrajteshem, high level of defense.

Auditor lights will be brighter 2x36w with IP20 protection under schemes in the drawing.



Ceiling luminaires 2x58W

According to EN 12464 should be observed strictly according ambjeneteve tricky lighting power as follows:

Corridors 75-100lux

100lux baths

400-500lux offices

Classes 400-500lux

The entire network will be tricky lighting Cable FG7OR 3X1.5mm².

For external lighting will be used as follows pojektore.

Here is an example of a universal projector that can be mounted indoors as well as Chassis, pressed aluminum molding cooling broad sheets.

Reflector: 99.85 rigid aluminum anode oxidized, the thickness of the layer 2 μ , the stukuar and dyed

Margins: The hardened protective glass, the layer thickness of 5 mm, temperature stable and shocks

Dyed, polyester powder, black color, and resistant to corrosion and saline Veses that.

PORTOLLAMPA: ceramic with silver contacts, cable connection.

COMPLETE ELECTRIC: The grid voltage 230 V / 50 Hz, 2 pole connecting Klemm + land, the supply cable section max. 16 mm².

SPECIAL: The front with hinged opening type is more practical for the maintenance of the projector

BACK CLOSING: isolation of silicone rubber belt, steel screws not ndryshkshme, sustained by high corrosion and mechanical, special steel hinges, isolated from water and thermally separated from the housing.

POWER lamp: up to 1000 W (JM-TS1000).

1.1 Emergency Lighting Network

Emergency lighting is necessary for partial lighting special ambjeneteve the building during power outages and network access to work to feed back up or generator. The rate CEI 23- 34 emergency lights should be equipped with battery food or the lack of it to be fed by a UPS group of independent vencantë and greater autonomy. The figure below show illuminating emerngjence with battery itself seamlessly included.



Emergency luminaries and the battery kit

Emergency lights should have a power 8-14W and battery autonomy own not less than an hour. And it is important and recommended the use of concentrated feed system of emergency lighting. This system besides ensuring a safe food provides a continuous maintenance and control of the entire lighting system of emergency.



Illuminating emergency and battery kit

Such a system of state controls emergency lamps. It is advisable for tricky lighting emergency facility to be involved in tricky lighting "exit". In this way besides lighting the necessary personnel have also distinct signs indicating the exit.

Location of key lighting and sketches shown under the project made by electrician projector.

In general keys lighting throughout the building should be suitable for fitting flat (under plastering). For flat keys units within the building should be another similar as follows:

Playbus Range 30011, 1P GW-16A, color according to the architect. Keys should be the type of interruption that is called "quick make slowbreak" designed to control AC network. Must have a minimum level of 10 ampere.

Keys may be type "broad rocker", to provide the folded unit keys that need to be changed as the specification. The keys shall be mounted on an electrical network to secure, adequate extent, when boxes of metal cables comply with the plastering of the wall plane.

Keys can also be such that it can be mounted on the plastered surface. These sort keys are very useful in the cases where the electric distribution system is kanalina. Also it is recommended in rooms with wood, metal work, as well as chambers of the generator transformer.

Keys according to the location to be used and the way the meeting-disconnecting the share:

Keys a pole

Two pole keys

Devin keys

Keys with signaling lamp with disengagement limit

A pole keys commonly used in small environments where we have a small number (1 or 2) of lightings

Two pole keys commonly used in those places where we have a large number of lightings which may also meet such piecemeal. In classes where there are two rows of lights, can be alternately switched on only one row or both simultaneously.

Devin keys are used in those environments where we have two entrance / exit lights as they belong to one entry / exit and staircase we can exit / entry else, or may be used in the corridors.

Keys with signaling lamp with disengagement are usable limit the stairs, through the corridors etc.

A complete system with plug unit must be provided under the project and drawings made by electrician projector.

All plugs that will be installed in schools / kindergartens must be type earthing and protection to children.

Sockets as well as keys can be of the type that are mounted under the stucco or stucco.

The share ex outlets that will carry us:

Single-phase voltage plugs, two-phase or three-phase

Phone plugs and LAN system

TV Outlets

Single-phase voltage sockets as shown in figure below have 1 pin for Phase 1 for Nuli pin and a pin for earth figure. 1 or figure 2 contacts soil.



Bivalent socket universal plug socket outlet

All sockets, until it becomes another specification, must be type 16 ampere 2-pin and coming to the surface. They should have rafsha fitting should have a color to match the key clasps lighting. All outlets should be a similar type specified as follows:
Playbus Range, with security separation 250V, 2P-16A.
Playbus Range, with security separation 250V, 2P-16A.
Also other electric accessory oppressive buttons, mounting boxes, etc. should be leveled according to the 2000 general catalog GEWISS or other similar accepted.