

CONTRACTOR'S MOBILISATION:

The work begins with the contractor's mobilisation. Prior to any work, the Contractor should conform with the following actions:

AC1. Contractor shall provide and maintain any temporary scaffolding in order to prevent excessive stresses and hold structural elements true and in place during conservation works. These provisions shall remain in place at all stages of the works until sufficient works are completed to insure the safety, stability and integrity of the structure.Care should be taken to avoid damage to historic plasters.

AC2. The temporary scaffolding system design is the complete responsibility of the Contractor. Shoring for walls and roofs shall be adequate to carry the total weight of the structural system and any temporary construction loads to be imposed on the structural system. The adequacy and safety of the scaffolding system is the sole responsibility of the Contractor which should provide the relevant calculation to UNDP for approval.

AC3. All work shall be performed without any damage to adjacent retained work. Adequate protection of areas nearby work against dust, dirt and debris accumulation shall be the responsibility of the Contractor and shall be maintained at all times during construction. The Contractor is to arrange and carry out the works as to cause no interference or damage to the adjoining existing structures, including roads, footpaths and other access thereto and shall conform to all instructions or directions given by the Architect /Engineer on these matters.

AC4. The General Contractor shall verify all dimensions and site conditions before starting work. The owner's representative shall be notified of any discrepancy. The Contractor is to ascertain for himself the nature of the soil conditions anywhere on the site and it is to be at the risk of the Contractor,if different conditions are met with and no claim will be admitted on this account.

AC5. Sand, gravel, vegetable soil and other materials obtained from the site shall remain the property of the Employer until removed from the site in accordance with the Contract. Excavations are not to be made or enlarged for the purpose of obtaining such materials.

AC6. The general Contractor shall review and stamp all shop drawings before submittal for approval and verify their compliance with the Contract Documents.

AC7. The Contractor shall submit one reproducible set and two copies of everything to be submitted for review. Shop drawings will be checked for general conformity with the design concept and general compliance with the Contract Documents. The engineer assumes no responsibility for exactness or correctness of quantities, dimensions, details, sequencing or construction means, methods or procedures

AC8. The Contractor shall submit product data for all proprietary material and items, including forming accessories, admixtures, patching compounds and other when requested by the Architect or Structural Engineer.

AC9. The Contractor shall verify all dimensions and elevations with the architectural plans before starting work.

AC10. All material and workmanship shall conform to the latest edition of the Eurocodes and with Cyprus Annexes.

AC11. Means and methods of performing the work are the sole responsibility of the Contractor.

AC12. The Contractor shall notify the structural engineer and the Engineer Representative of any conditions encountered in the field contradictory to those shown on the structural drawings.

Important Note:

This is the proposal sequence of work only from the designers point of view. It is only a guidance tool and the contractor should verify it accordingly with all drawings, reports,B.O.Q and specifications given and proposed his own construction sequence, together with his method of statement and materials list for approval as per AC7 and AC6.The designers have no responsibility for any work missing and it is the sole responsibility of the contractor to review all drawings and specifications and adapt his program of work and sequence of work accordingly.

CONSTRUCTION SEQUENCE OF WORK:

After the completion and approval of all the above steps, the Contractor begins with the construction phase. The construction sequence is as follows:

C.S. - 1. Installation of fencing

The contractor will build safe temporary fencing and relevant signage according to health and safety regulations , before works and during implementation of work.

C.S. - 2. Cleaning

Cleaning of the site and creating safe access to all work places.

C.S. - 3. Scaffolding

The contractor will build temporary internal scaffoldings and external if he found it necessary to support the structure's internal walls and roofing system during the progress of the interventions. The Contractor should conform with the above mentioned actions. It is the contractor's sole responsibility to calculate the scaffolding support system and to prepare a detailed Health & Safety plan, method of works, e.t.c., and submit them for approval.

C S - 4.Conservation works on the external walls

Special attention should be given to the consolidation of the existing plaster, paint and/or frescoes.

- Consolidate the historical plaster and take special protection measures during and after construction works.

- Treatment of the surfaces where organic growth is present by using appropriate biocide / herbicide as per specifications.

- Remove any plants from the wall surface as per drawings and specifications.
- Repair all cracks found with proper material as per drawings and specifications.

- Check the pointing mortar and substitute pointing according to the materials analysis research as per specifications.

- Consolidate all exposed surfaces with a consolidant based material such as Kimistone KSF or equivalent for approval.

- Substitution of decayed / deteriorated and heavily damaged stone with similar in texture, size and colour in order to match existing stones according to the materials analysis research. Stone with loss of more than 65% of its total area, will be replaced.

- Stitching of cracks. Repair of the cracks will be decided according to the crack depth.

More specifically:

1. if the depth is minimal / superficial crack, appropriate mortar will be used to fill the crack and / or new stone will be inserted partially.

2. if the crack depth is wider, insertion of a stainless steel rod orthogonally to the crack will be executed.

3. if the crack is wide and through then special lime base grouting injection together with stainless steel rods will be done as per specification.

4. In case of serious cracking, stainless steel rods is to be positioned at the internal face of the masonry covered with plaster to ensure for the total cohesion of the masonry wall.

- Add new stones to missing parts according to the materials analysis research.
- Installation of a protective mesh to stop birds entering the church.

- General cleaning of surface with smooth technique (no hard tools) from top to bottom and removal of inappropriate additions.

- General pointing of all surface areas.
- Removal of exterior surfaces, only where is pointed out from the Architect.

- Grouting of the walls where necessary with a suitable hydraulic lime based mortar or ready made materials as per specifications.

C.S - 5.Construction of new stone masonry wall

- Rebuild the parts of the south and west façade that has collapsed so as to reinforce the structure with new wall elements similar in colour and mechanical characteristics to the original.The stone should also be adequately resistant to salt crystallization (EN 12370) to fit the purpose of its use. The compressive strength (measured in accordance with EN 1926) of the replacement stone should exceed 5 MPa see structural details.

C.S- 6. New wooden frame

- Construction wooden frame on the east facade in the area of the window.

C S -7. Conservation works on the roof

The works on the roof are the following:

- Removal of all plants and roof tiles.

- Stitching of cracks. Repair of the cracks will be decided according to the crack depth. More specifically:

1. If the depth is minimal / superficial crack, appropriate lime based mortar will be used to fill the crack and apply waterproof insulation layers with appropriate / compatible materials as per specifications.
2. If the crack is wide and through then special lime base grouting injection will be done as per specification and damaged stones will be replaced.

- Apply hydraulic lime based material to correct inclination
- Insulation material will be added on top of the roof.

- Roof tiles similar to the existing should be positioned back to their original position.
- The belfry should be preserve and consolidate according to specification W.S.10 at the Technical specification report.

C.S. - 8.Conservation works on the internal walls

- All internal deteriorated/damaged plaster shall be removed, except historical traces/plaster and frescos exist.

- Special attention should be given to the protection of all historical fresco and for consolidation of the existing plaster.
- Consolidate the historical plaster by an approved conservator and take special protection measures during and after construction works.

- Repairing / correction of all cracks. In the areas where the cracks are very wide (equal or more than 4mm), grouting injection method should be executed.

- Stitching of cracks. Repair of the cracks will be decided according to the crack depth. More specifically:

1. if the depth is minimal / superficial crack, appropriate hydraulic mortar will be used to fill the crack and / or new stone will be inserted partially.
2. if the crack depth is wider, insertion of a stainless steel rod orthogonally to the crack will be executed.

3. if the crack is wide and through then special lime base grouting injection together with stainless steel will be done as per specification.

4. In case of serious cracking, stainless steel rods to be positioned at the internal face of the masonry covered with plaster tol be more detrimental for the total cohesion of the masonry wall.

- Soft cleaning of the wall surface (non mechanical) and removal of inappropriate additions (cementations materials).

- Substitution of decayed / deteriorated and heavily damaged stone with similar in texture, size and colour. Stone with loss of more than 65% of its total area, it will be replaced as per specification.

- Add new stones to missing parts as per specification and according to the materials analysis research and Table 1.

- General pointing of all surface area should be performed as per specification.

- New traditional hydraulic base plaster to be replaced to the internal wall surface.

- Steel reinforcements should be placed against the window on the East side and against 2 doors on the West and South side to prevent entry to the property as per drawings.

C.S.- 9. Conservation works on the internal roof

- New stones to missing parts will be added if is structurally necessary according to the materials analysis research and Table 1.

- General deep pointing in all surface of the ceiling as per specification.

- Protect and finish correctly and with special care the area around any openings or historical paintings and/or frescoes.

C.S.- 10. Conservation works on floors

- Conservation/cleaning of the interior floor according to the drawings and specification.
- Construction of a steel frame structure internally according to the specifications and structural details.

- The removal of the debris it is within the responsibility of the contractor and a PC sum will be considered responsible for repairing the floor beneath.
- Excavation work should be performed in the interior of the Church until the last floor in use of the church, made of gypsum-marble, is revealed( 30cm depth).

C.S. - 11. External works

- An external pedestrian route with "pouri" should be made along the exterior of the church as per drawings.

- Repair and rebuild fallen parts from the existing retaining wall which is located on the periphery of the plot with the use of hydraulic lime based material such as Limepor NHL or equivalent for approval.

- Regrading the soil South-West of the Church as to form a shallow pool so the rainwater can evaporate as per drawings.
- Construction of a new RC retaining wall from the inner side and along the periphery of the existing stonework retaining wall as per drawings.

C.S. - 12.Cleaning of the site and handing over

- Once the Contractor has completed all the relevant conservation works, he needs to remove from site all temporary sheds, offices, messrooms, sanitary accommodation and other temporary buildings for the use of the Contractor and Sub-Contractor. The site should be handed over to the client clean and safe.

12mm Plywood to support the roof

Wooden post

Permanent steel structures

LONGITUDINAL SECTION BB'

LONGITUDINAL SECTIONS

GENERAL NOTES:

1. During all works the contractor should maintain an approved specialist conservator on site to supervise works.The name of the specialist should be provided for approval during the tender stage.
2. The contractor will provide safe temporary fencing around the Church, health and safety plan during construction, site diary for his work e.t.c.
3. The contractor will prepare and submit shop drawings for his works and supporting method and document to comply with the relevant health and safety regulations together with his proposal.

4. The contractor will also prepare and submit all materials (i.e. stone,render,grouting,pointing, injections,timber,steel sections e.t.c) for approval and method of statement for his work and will not proceed to any construction and placement until written approval by the engineer is given.

5. The contractor shall submit to the engineer for approval his scaffolding / formwork design and structural calculations according to eurocode 6 and / or other temporary works manuals.

6. The contractor will be responsible for careful removal and storage in a selected and approved safe place for all debris,stone members, wooden doors and any other material of high historical value.

7. It is the contractor sole responsibility to check all dimensions, measurements e.t.c. on site prior to commencing any work or making any materials orders.

8. Any discrepancies on drawings details, specification e.t.c. should be given in writing to the Architect and Civil Engineer for clarifications.

9. Areas of stone removal and repointing to be approved previously by the consultants.(Architect and Civil Engineer)

- 10.No cleaning or other work will be contacted on all areas with historical plasters without the presence of an approved conservator.

- 11.All work to be done according to drawings, specification and manufacturer specification materials proposed and supervision. Performance certificate of good work to be given for all materials used by the supplier and the contractor to UNDP prior to completion of works.All specialist material to be used must be done under the supplier supervision who must give written guarantee of good work.

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHEN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

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Joint Venture of Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.

PROJECT TEAM:  
Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
Civil Engineers: Platonas Stylianou, Alberto Farinola, George Hadjidemetriou  
Quantity Surveyors: Marinos Demosthenous, Angela Christoforou  
Archaeol: Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou  
Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevetket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:

INTERVENTION PROPOSALS

DATE:  
October, 2017

DRAWING:  
CONSTRUCTION SEQUENCE OF WORKS

SCALE:  
N.T.S

C.W.01

PANAGIA CHURCH - PHOTOGRAPHS



PHOTOGRAPH 1 (NORTH ELEVATION)



PHOTOGRAPH 2 (SOUTH ELEVATION)



PHOTOGRAPH 3(WEST ELEVATION)

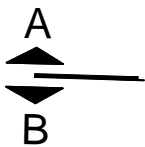


PHOTOGRAPH 4 (EAST ELEVATION)

W.S.- ⑨

Removal of the existing roof tiles and then removal of the added cement layer manually without using vibrators or heavy machinery. Removal of the layer of the roofing to falls. After the removal of the layer, all cracked surfaces must be healed with grouting injections using a Limepor 100 or equivalent. Next, new roofing material slopping to falls containing natural hydraulic lime (Tectoria M15 reinforced with Kimitech ELASTOFIX or equivalent to make the material more flexible and adhesive or a similar product for approval) must be used. After one week, finish the waterproofing by applying a hydrophobic (rendering) lime based coating. Ceramic roof tiles similar to the existing should be positioned back to their original position

Clean water spouts from debris and plantation.



W.S.- ⑤

Grouting/injections to be made to stabilise the roof's intersection point with the masonry walls.

W.S.- ②

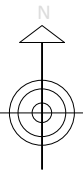
Remove bio-degradation on surfaces using soft brushes and an approved herbicide solution such as Kimistone BIOCIDA

W.S.- ③ W.S.- ④

Repair of cracks.  
Grout the surface near the cracks  
If the surface crack is wider than >4mm,with Limepor 100 as per W.S.3.  
If the crack is smaller than <4mm, use a material which has high resistance to sulfates, low water-soluble salt content, made out of natural hydraulic lime (NHL) with the addition of carbonate filler as per W.S.4, such as Limepor NHL 3.5

W.S.- ③ W.S.- ④

Repair of cracks.  
Grout the surface near the cracks  
If the surface crack is wider than >4mm,with Limepor 100 as per W.S.3.  
If the crack is smaller than <4mm, use a material which has high resistance to sulfates, low water-soluble salt content, made out of natural hydraulic lime (NHL) with the addition of carbonate filler as per W.S.4, such as Limepor NHL 3.5



Clean water spouts from debris and plantation.

W.S.- ②

Remove bio-degradation on surfaces using soft brushes and an approved herbicide solution such as Kimistone BIOCIDA

W.S.- ⑩

The belfry should be preserve and consolidate. The exposed bar reinforcement should be strength with additional reinforcement and new cover material should be added to prevent steel oxidation.

W.S.- ⑦ W.S.- ⑧

Removal of all damaged or bad pointing (area to be approved by the supervision before any work done). Check all pointing up to a depth of 4mm and then apply matching pointing in a depth of 3mm to all previously pointed surfaces.  
The new pointing will be done with a ready to use material containing natural hydraulic lime in matching colour to the original. Replace stones with new stone,similar in colour,texture and characteristics to the original as per table 1 and specifications.

W.S.- ⑫

Stabilize higher loose stones with the help of a hydraulic lime mortar and add an additional material (mortar and stones if necessary) in order to form a solid top layer with an outward inclination diverting rainwater to the outside facades of the church.

W.S.- ② , - ⑦

Remove plant and treat surfaces with a special material for disinfestation of the stone.

ROOF PLAN

For more details abouts W.S. (Work Specification) please see section F.3.0. WORK SPECIFICATION

INDEX

- Deteriorated joint mortar
- Cracks
- Detachment
- Loose stones

FEATURES INDUCED BY MATERIAL LOSS

- Alveolization
- Gap of historical value

DISCOLORATION & DEPOSIT

- Salt Crust
- Soiling (deposit)

ORGANIC GROWTH

- Algae
- Mosses and Lichen
- Plant
- Black stains (molds)

- Inappropriate intervention
- Historical plaster

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

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MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:

DRAWING:

PROPOSAL DRAWINGS

ROOF PLAN

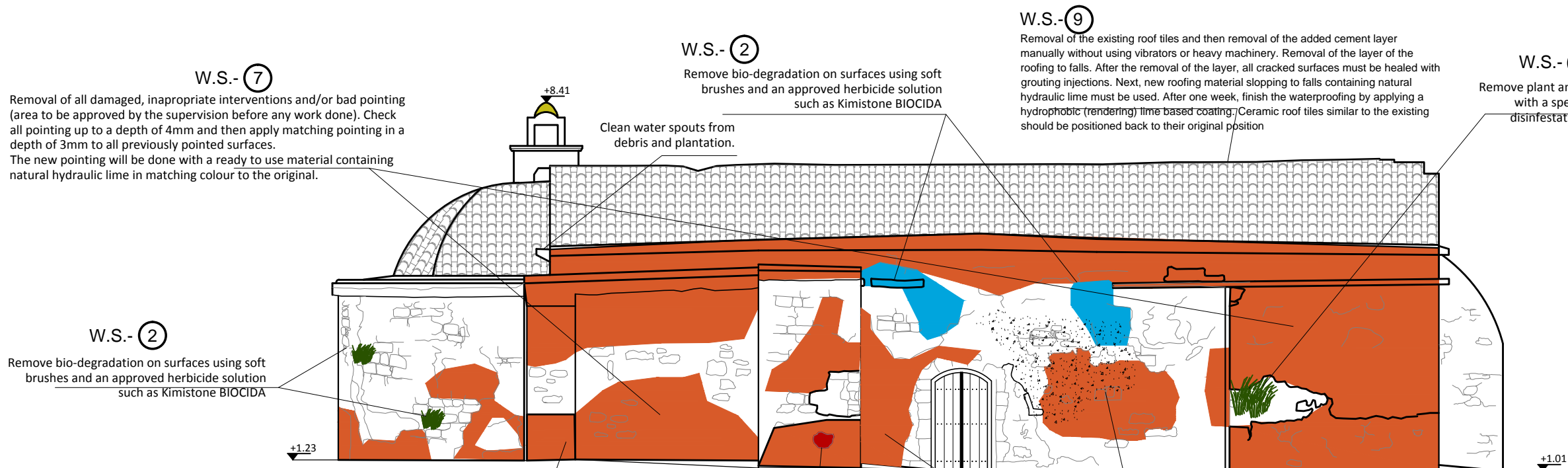
DATE:

December , 2017

SCALE:

1:100

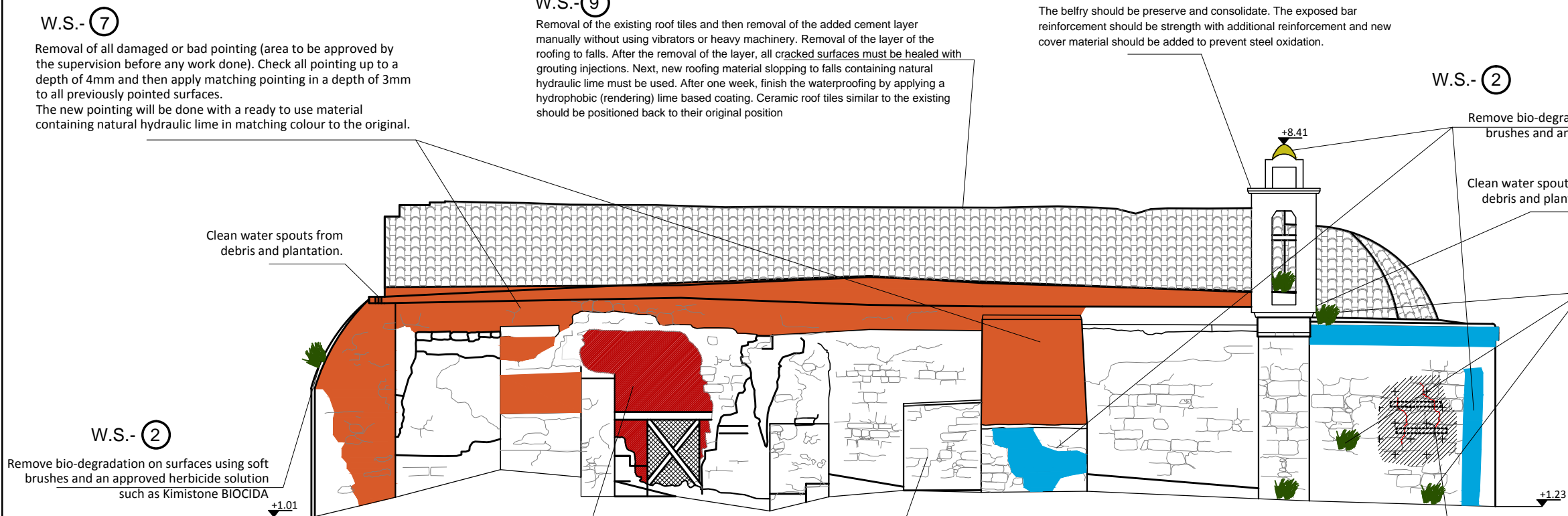
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NORTH ELEVATION

For more details about W.S. (Work Specification) please see section F.3.0. WORK SPECIFICATION

INDEX	
	Deteriorated joint mortar
	Cracks
	Detachment
	Loose stones
FEATURES INDUCED BY MATERIAL LOSS	
	Alveolization
	Gap of historical value
DISCOLORATION & DEPOSIT	
	Salt Crust
	Soiling (deposit)
ORGANIC GROWTH	
	Algae
	Mosses and Lichen
	Plant
	Black stains (molds)
	Inappropriate intervention
	Historical plaster



SOUTH ELEVATION

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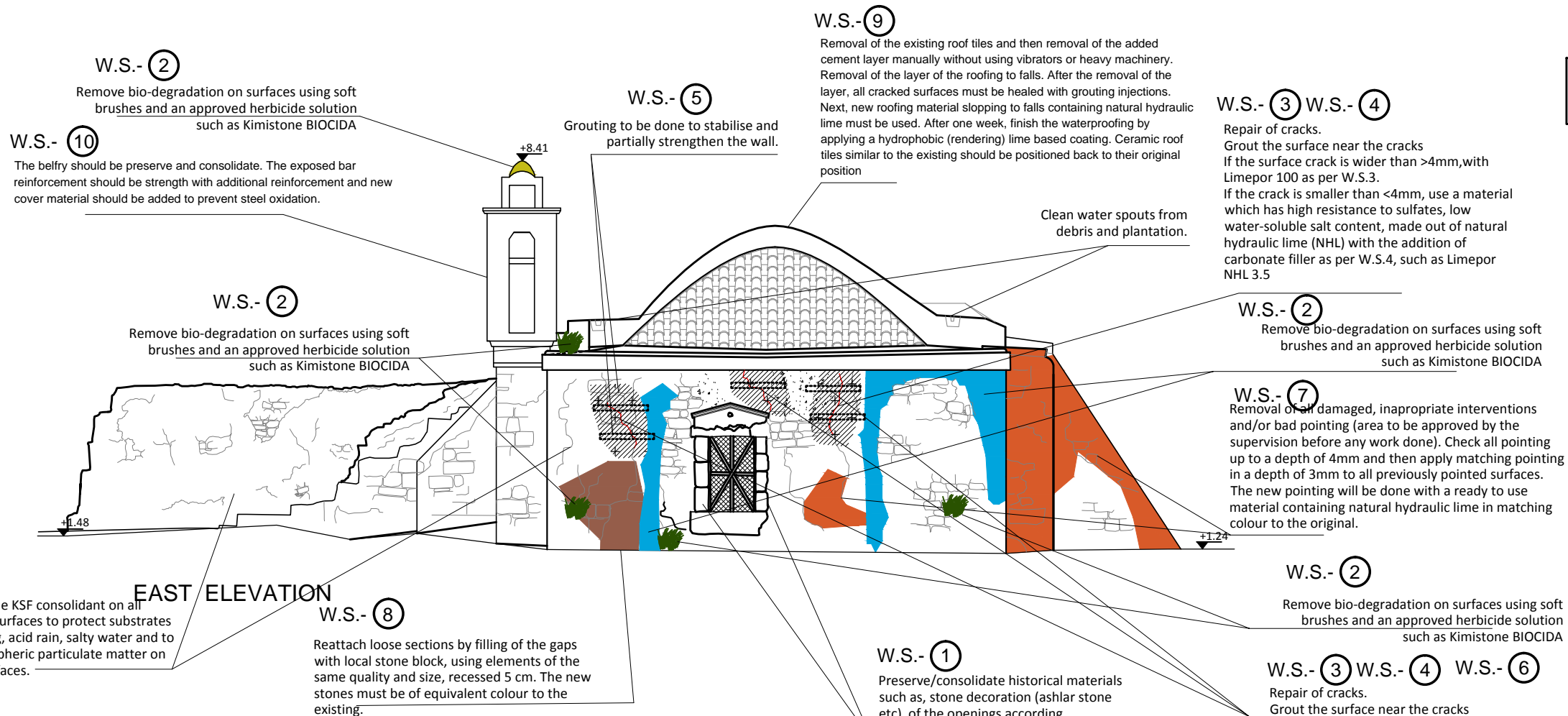
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MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:		DRAWING:	
PROPOSAL DRAWINGS		ELEVATIONS	
DATE: December, 2017	SCALE: 1:100	P.I.02	



For more details about W.S. (Work Specification) please see section F.3.0. WORK SPECIFICATION

INDEX	
	Deteriorated joint mortar
	Cracks
	Detachment
	Loose stones
FEATURES INDUCED BY MATERIAL LOSS	
	Alveolization
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DISCOLORATION & DEPOSIT	
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ORGANIC GROWTH	
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	Plant
	Black stains (molds)
	Inappropriate intervention
	Historical plaster

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

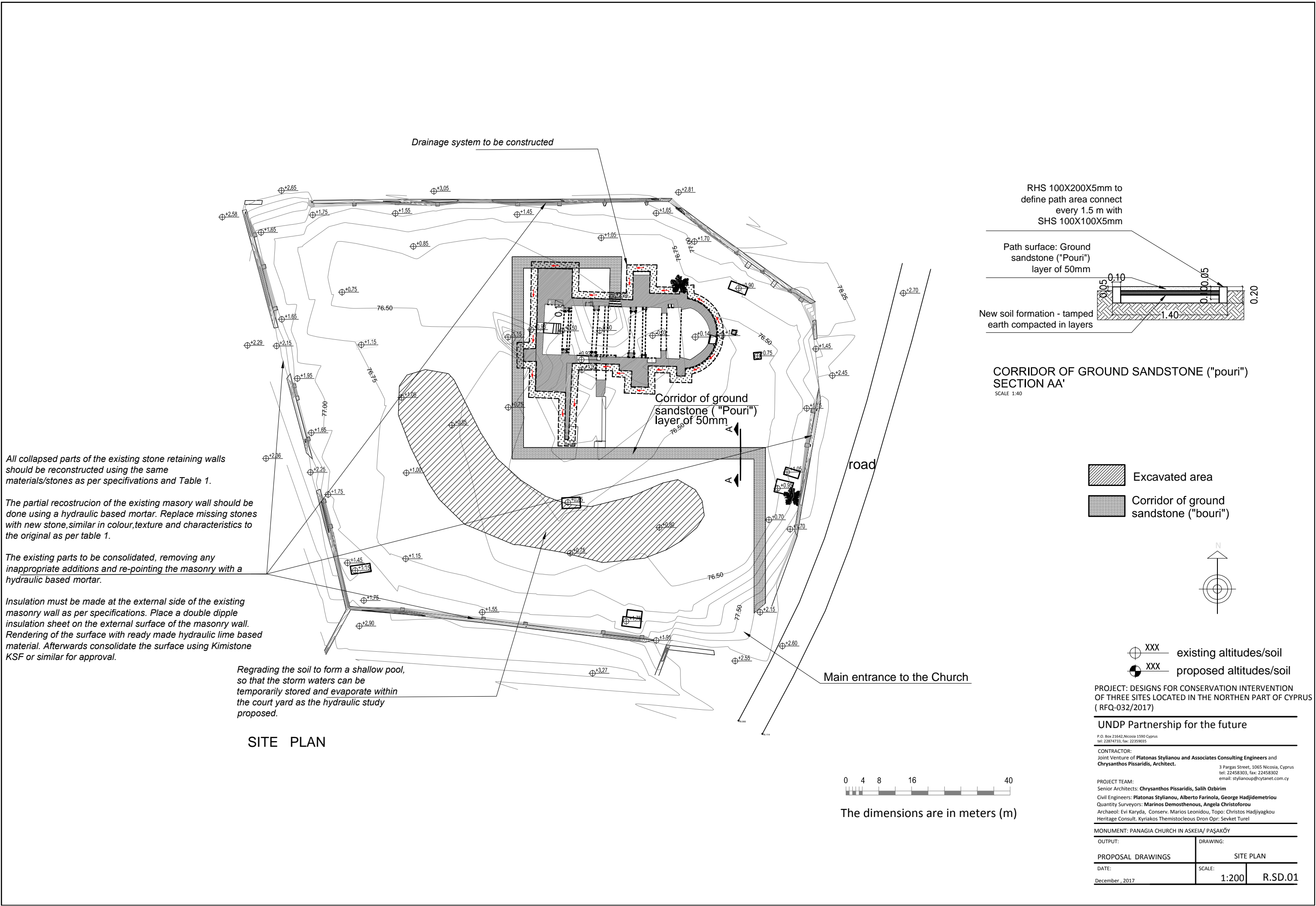
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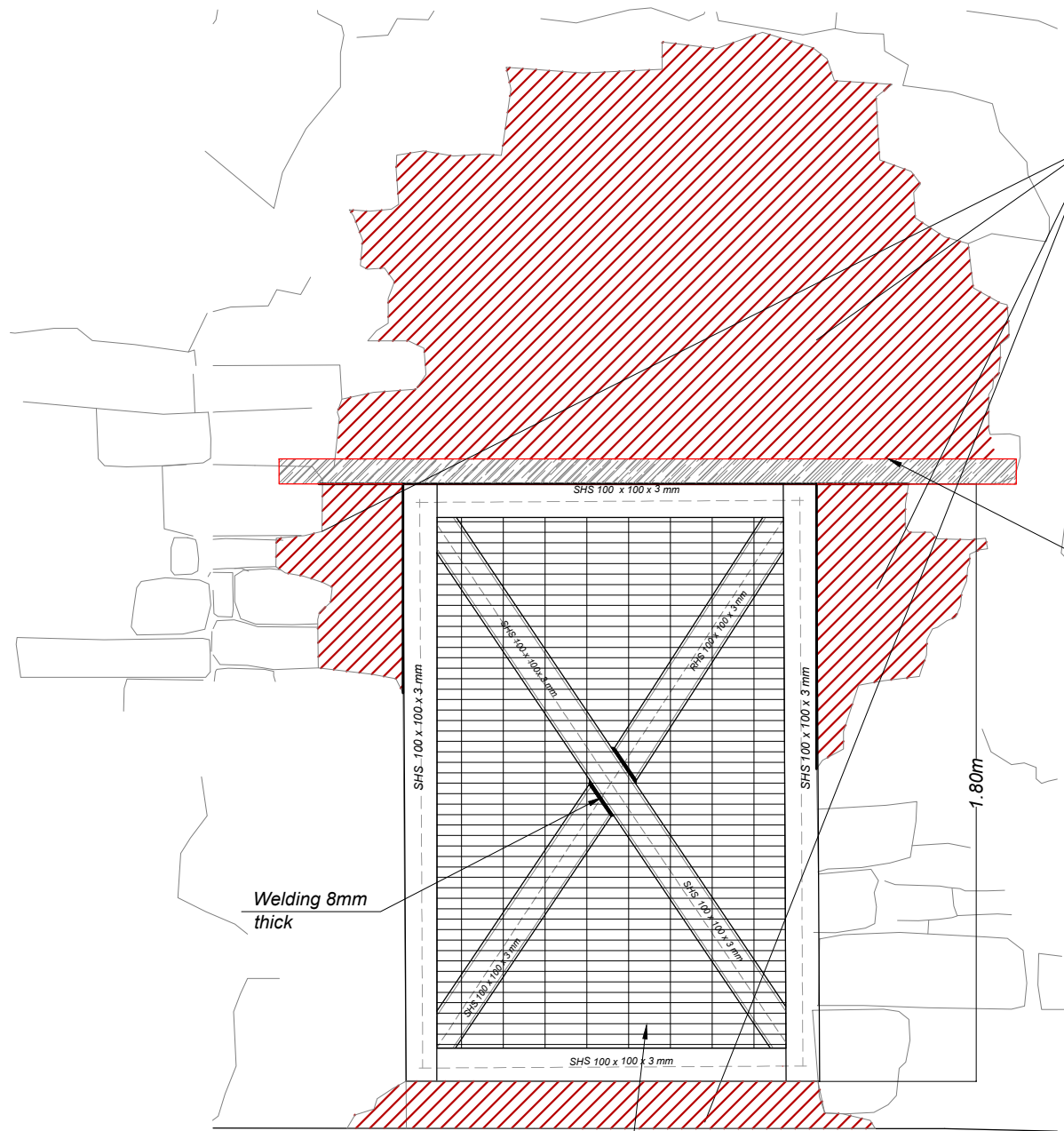
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MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	ELEVATIONS+ DETAILS
DATE:	SCALE:
December , 2017	1:100 P.I.03





DETAILS OF THE NEW STEEL FRAME  
SCALE 1:20

D-2  
S.D.2

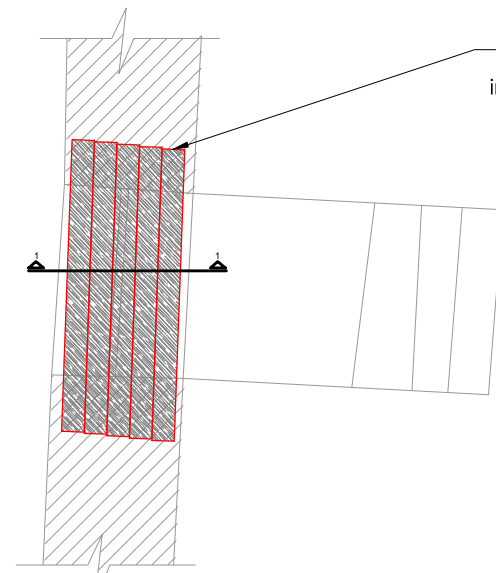
Steel mesh as  
per specifications

Re-build the of wall surface in layer with new stone, similar in colour, texture and characteristics to the original.

5 pieces of new wooden lintels - Careful removal of the existing ones sequentially and installation of the new 7,5cmx15cm lintels which should emerge into the masonry wall minimum 40cm on each side.

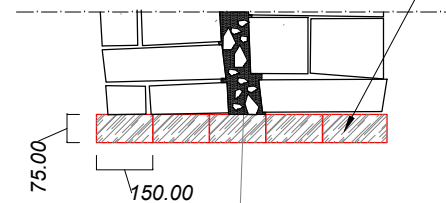
Sequence of work:

- Sufficient and safe supporting of the affected area.
- Removal of the external part of the existing lintels, preparation of the area and installation of the first 2 new lintels starting from the external side.
- Preparation of the area and installation of the remaining 3 new lintels starting from the internal side.



PLAN - (Scale 1:50)

5 pieces of new timber lintels - Careful removal of the existing ones and installation of the new 7,5cmx15cm lintels which should emerge into the masonry wall minimum 40cm on each side.



SECTION 1-1 - (Scale 1:20)

5 pieces of new timber lintels - Careful removal of the existing ones and installation of the new 7,5cmx15cm lintels which should emerge into the masonry wall minimum 40cm on each side.

W.S.- ⑧

Reattach loose sections by filling of the gaps with local stone block, using elements of the same quality and size, recessed 5 cm. The new stones must be of equivalent colour to the existing.

#### WOOD SPECIFICATIONS

1. IF NOT SPECIFIED OTHERWISE TIMBER SECTIONS SHALL BE SWEDISH GRADE C16 PRODUCTION, HIGHEST QUALITY WITH NO KNOTHOLES.
2. ALL TIMBER SECTIONS SHALL BE DRY [NO MOISTURE], CURED IN A DRYING KILN, ROUTED AND COVERED WITH SPECIAL ADMIXTURE AGAINST MOTH, TERMITE AND MOISTURE, APPROVED BY THE ENGINEER. THEN, ALL SECTIONS SHALL BE COATED WITH 2 LAYERS OF COLOURLESS POLISH, MAT.
3. TEMPORARY SUPPORTING IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR WHO SHALL PROVIDE THE METHOD OF WORKS TO THE ENGINEER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ALL EXISTING TIMBER MEMBERS SHALL BE TREATED WITH PRESERVATIVE COATING.

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OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
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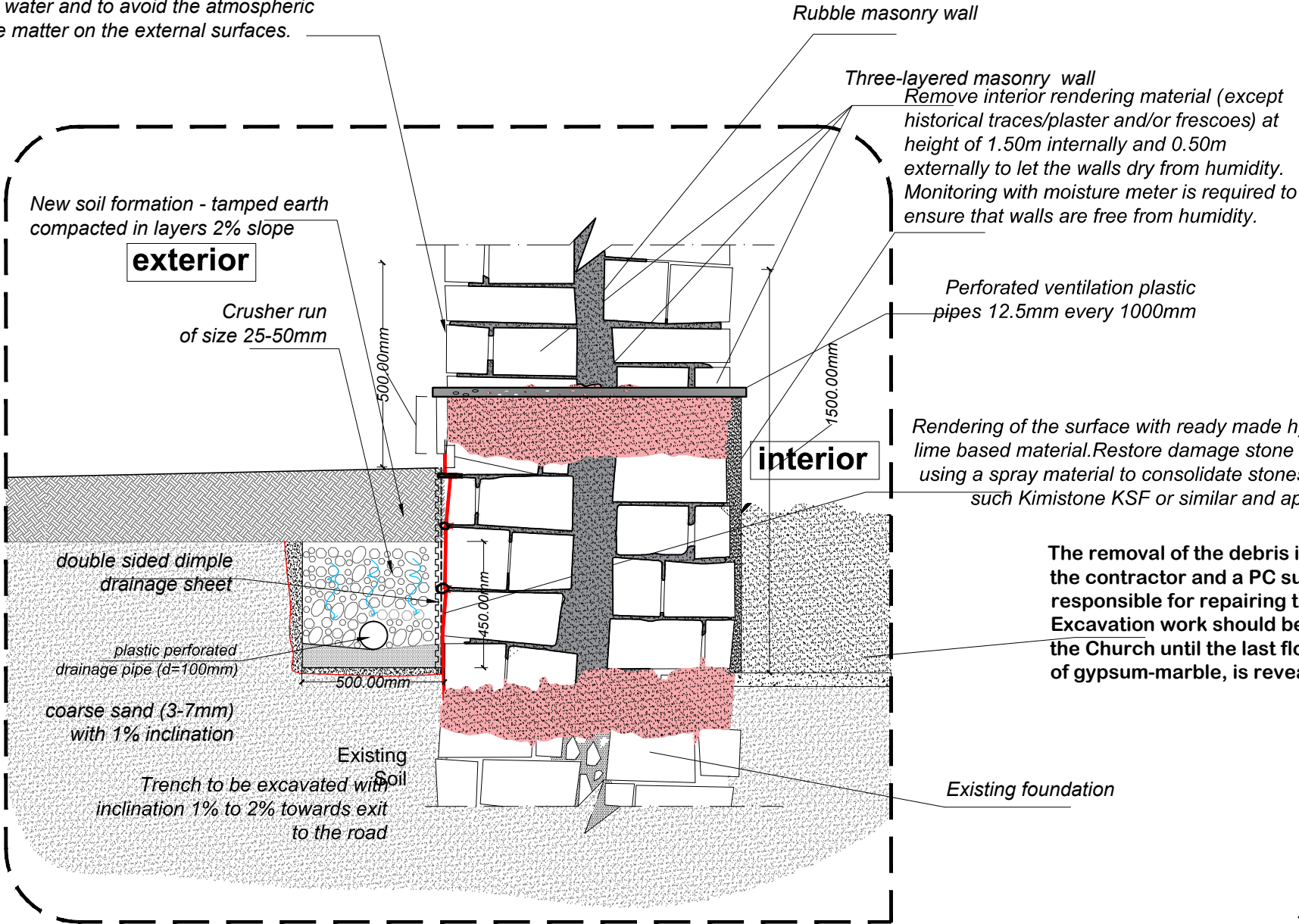
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Heritage Consult. **Kyriakos Themistocleous Dron Opr: Sevket Turel**

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
STRUCTURAL DRAWINGS	DETAILS
DATE:	SCALE:
December , 2017	1:10/1:20 R.S.D.02

Remove any inappropriate interventions on the masonry wall. Pointing and repointing of the surface, heal any cracks according to specifications. Apply a Kimistone KSF consolidant on all external stone surfaces to protect substrates from weathering, acid rain, salty water and to avoid the atmospheric particulate matter on the external surfaces.



The removal of the debris it is within the responsibility of the contractor and a PC sum will be considered responsible for repairing the floor beneath. Excavation work should be performed in the interior of the Church until the last floor in use of the church, made of gypsum-marble, is revealed( 30cm depth).

## Drainage system

(Scale 1:20)

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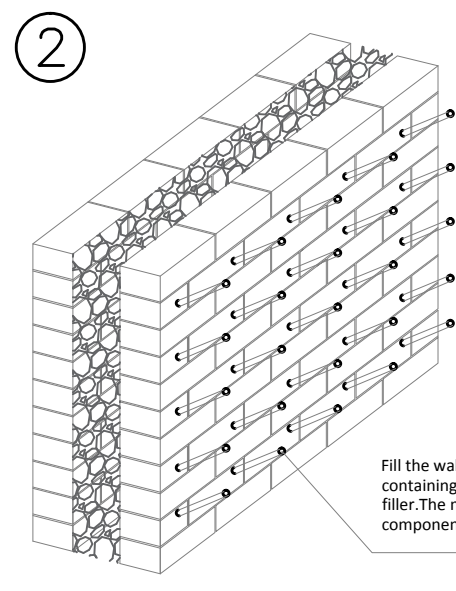
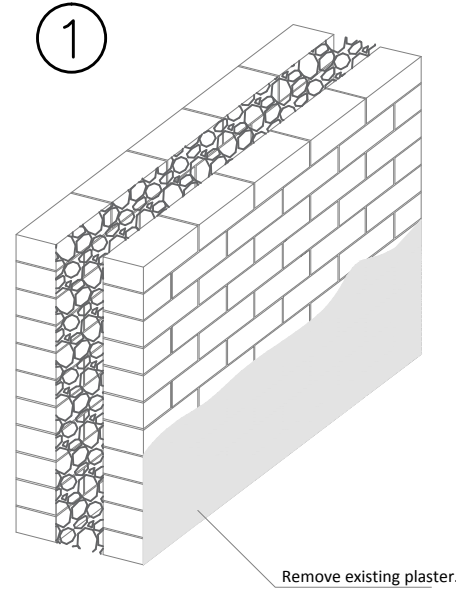
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Joint Venture of **Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.**  
3 Pargas Street, 1065 Nicosia, Cyprus  
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email: stylianou@cytanet.com.cy

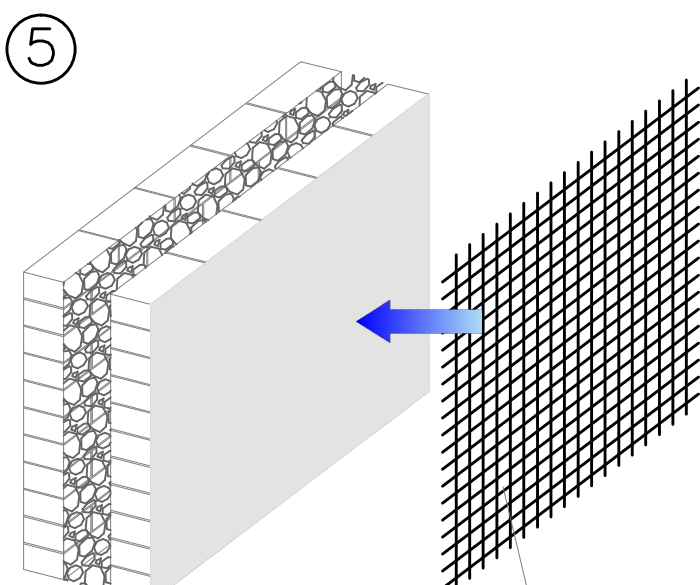
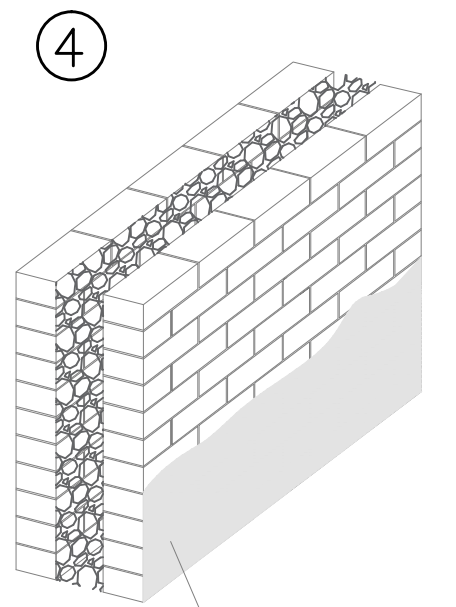
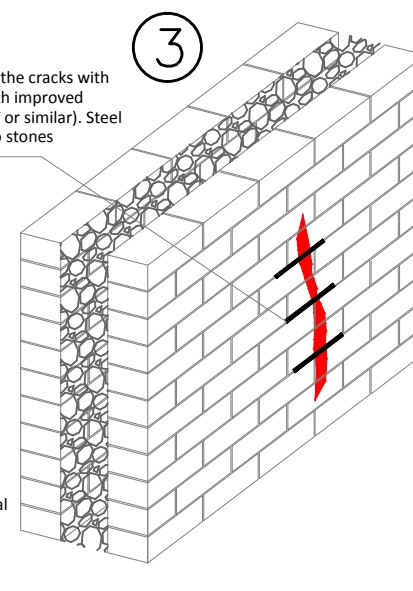
Senior Architects: **Chrysanthos Pissaridis, Salih Ozbirim**  
Civil Engineers: **Platonas Stylianou, Alberto Farinola, George Hadjide metriou**  
Quantity Surveyors: **Marinos Demosthenous, Angela Christoforou**  
Archaeol: **Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou**  
Heritage Consult: **Kyriakos Themistocleous Dron Opr: Sevet Turel**

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

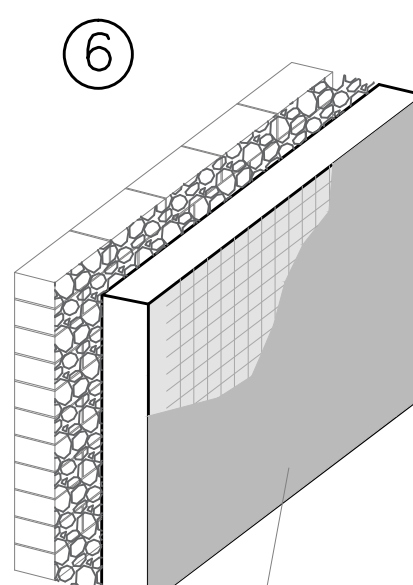
OUTPUT:	DRAWING:
STRUCTURAL DRAWINGS	DETAILS
DATE:	SCALE:
December, 2017	1:10/1:20 R.S.D.03



Steel connection cracks to heal the cracks with steel AISI 304 stainless steel with improved adherence.(Kimisteel CONNECT or similar). Steel rods to be positioned every two stones



Kimitech WALLMESH MR or similar



## DETAIL SCHEME OF CRACK REPAIR TO RENDER SURFACES ON A THREE-LAYRED MASONRY WALL

### GENERAL NOTES:

1. It is the contractor sole responsibility to check all dimensions, measurements e.t.c. on site prior to commencing any work or making any materials orders.
2. Any discrepancies on drawings details, specification e.t.c. should be given in writing to the Architect and Civil Engineer for clarifications.
3. Areas of stone removal and repointing to be approved previously by the consultants.(Architect and Civil Engineer)
4. No cleaning or other work will be contacted on all historical plasters without the consent of the conservator.
5. All work to be done according to drawings, specification and manufacturer specification materials proposed and supervision.  
Performance certificate of good work to be given for all materials used by the supplier and the contractor to UNDP prior to completion of works.All specialist material to be used must be done under the supplier supervision.

TABLE 1: CRITERIA FOR REPLACEMENT OF DECAYED/DETERIORATED AND HEAVILY DAMAGED STONES

Loss of stone > 65%	Replace with new stone similar in texture, size and colour as per laboratory analysis.The replacement stone should be compatible with the original stones in terms of colour and mineralogy. Its open porosity/apparent density (measured in accordance with EN 1936) should be < 35% and > 1700 kg/m3 respectively. The capillary absorption coefficient (measured in accordance with EN 1925) should be < 1000 g/m2/s1/2. The stone should also be adequately resistant to salt crystallization (EN 12370) to fit the purpose of its use. The compressive strength (measured in accordance with EN 1926) of the replacement stone should exceed 5 MPa sample with all the above properties should be given for approval.
Loss of stone > 40% but < 65%	Retain of more original material. Cut out and piece in, new stone similar in size, colour and texture and / or repair with appropriate mortar('plastic' repair).
Loss of stone < 40%	Repair with appropriate mortar containing natural hydraulic lime NHL, natural pozzolans and inert siliceous materials with a maximum granulometry of 3 mm.

TABLE 2: CRITERIA ON REPAIRING CRACKS

Minimal depth (Superficial crack)	If the crack is smaller <4mm use of a material which has high resistance to sulfates, low water-soluble salt content, will be made out of natural hydraulic lime (NHL) with the addition of carbonate filler.
Bigger cracks	If the surface crack is wide >4mm correct the crack with use of a material liquid two-component resin for structural injections.
Deep cracks	Insertion of a fiberglass rod diagonally to the crack. Use injection to heal crack with the use of the material liquid two-component epoxy resin for structural injections. While grouting and "sealing" the cracks and gaps with a suitable hydraulic lime based mortar.

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

### UNDP Partnership for the future

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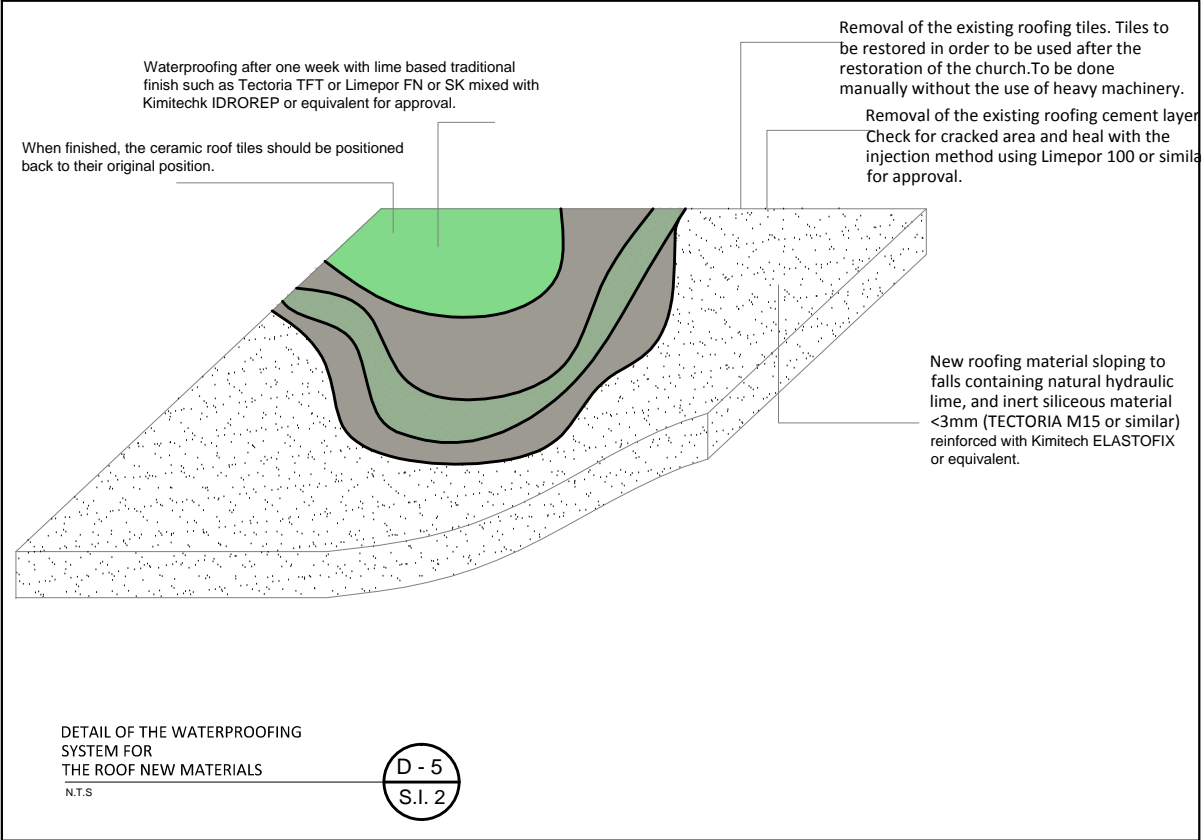
CONTRACTOR:  
Joint Venture of Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.

3 Pargas Street, 1065 Nicosia, Cyprus  
tel: 22458303, fax: 22458302  
email: stylianoup@cytanet.com.cy

PROJECT TEAM:  
Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
Civil Engineers: Platonas Stylianou, Alberto Farinola, George Hadjidiemetriou  
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Heritage Consult. Kyriakos Themistocleous Dron Opr: Sevket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
STRUCTURAL DRAWINGS	DETAILS
DATE: December, 2017	SCALE: N.T.S S.D.04



**GENERAL NOTES:**

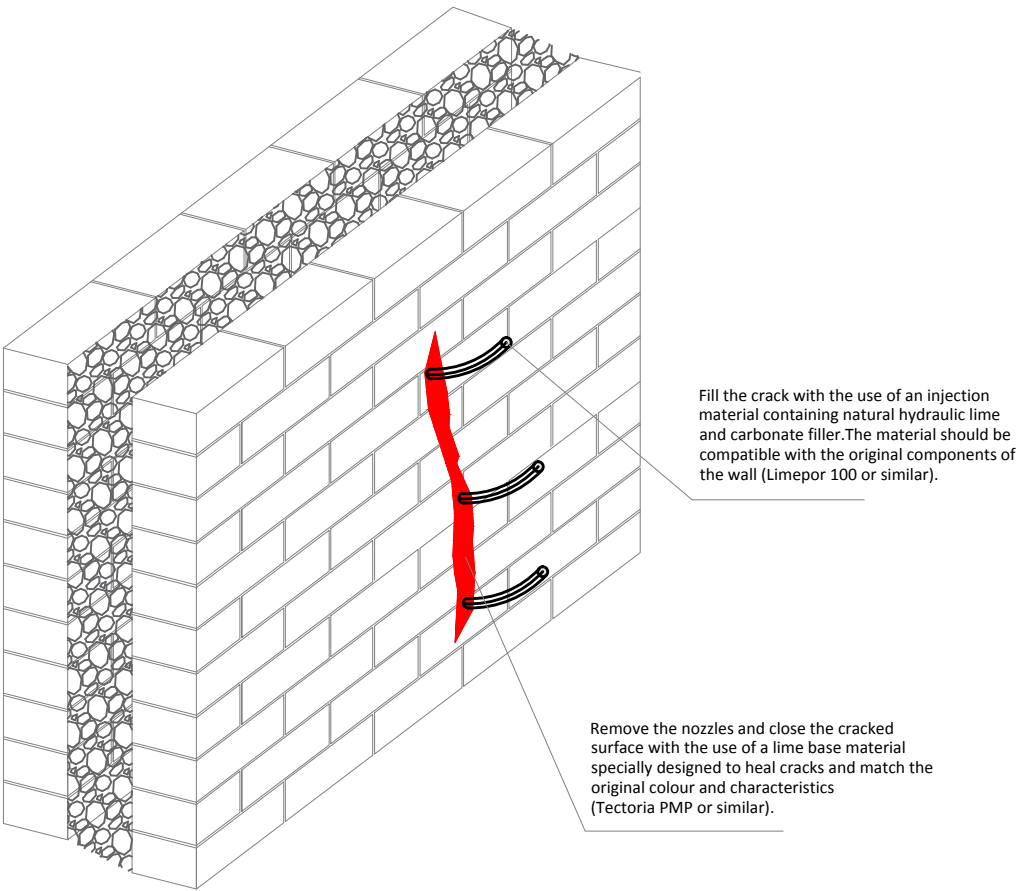
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  5. All work to be done according to drawings, specification and manufacturer specification materials proposed and supervision.
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Loss of stone > 40% but < 65%	Retain of more original material. Cut out and piece in, new stone similar in size, colour and texture and / or repair with appropriate mortar('plastic' repair).
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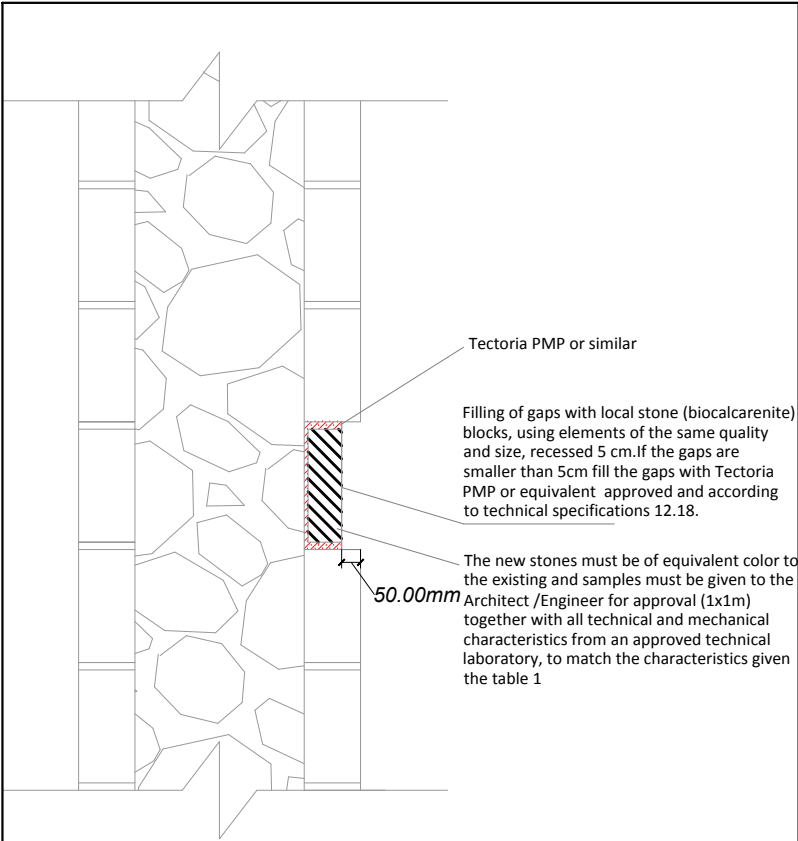
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Bigger cracks	If the surface crack is wide >4mm correct the crack with use of a material liiquid two-component resin for structural injections.
Deep cracks	Insertion of a fiberglass rod diagonally to the crack. Use injection to heal crack with the use of the material liiquid two-component epoxy resin for structural injections. While grouting and “sealing” the cracks and gaps with a suitable hydraulic lime based mortar.



DETAIL OF CRACKS REPAIR TO UN-RENDER SURFACES

N.T.S



DETAIL OF THE REPOINTING OF JOINTS IN CASE OF A NEW STONE  
SCALE 1:10  
(HISTORICAL GAPS)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

**UNDP Partnership for the future**

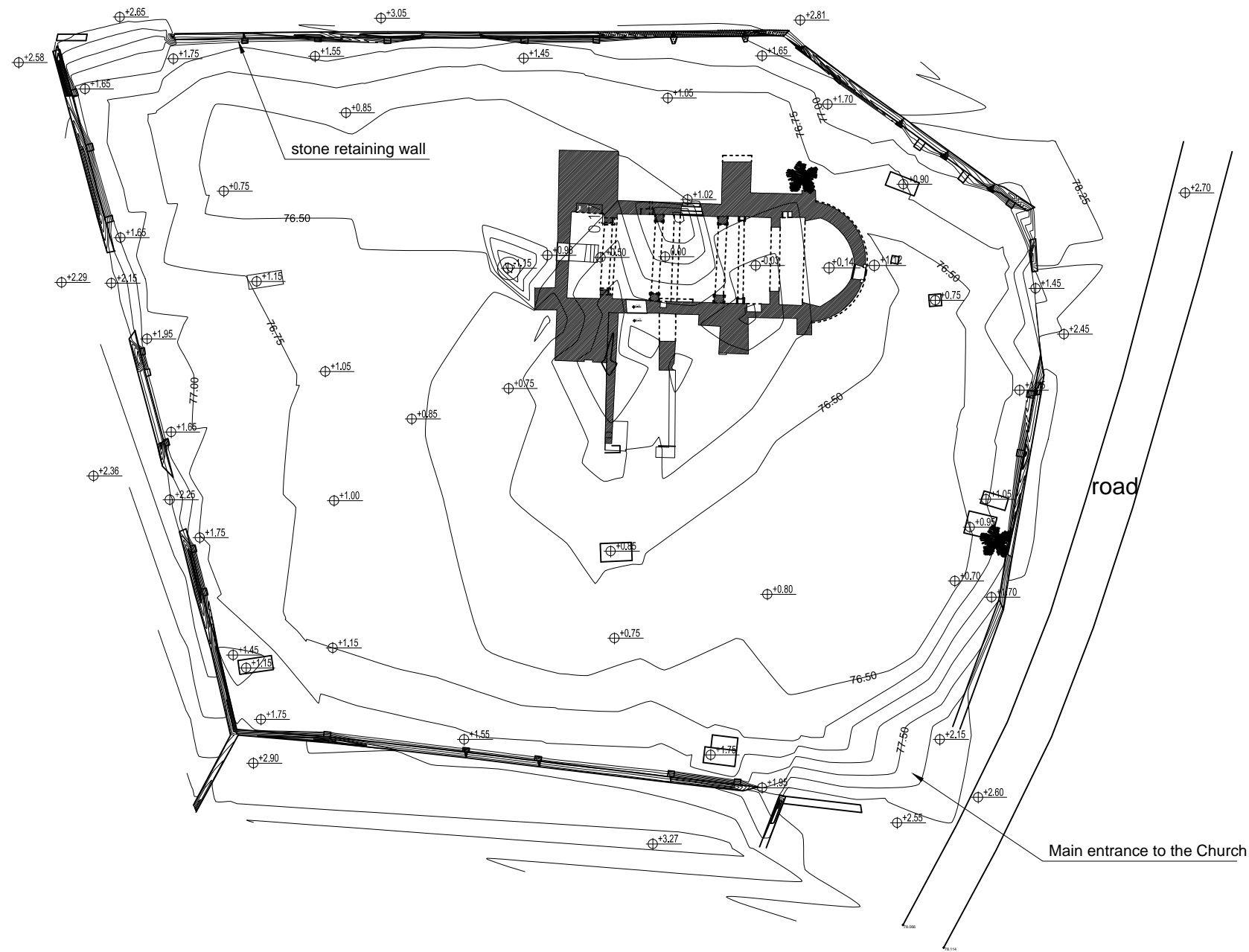
P.O. Box 21642, Nicosia 1090 Cyprus  
tel: 22875733, fax: 22359035

CONTRACTOR:  
Joint Venture of **Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.**  
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email: stylianoup@cytanet.com.cy

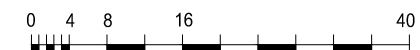
PROJECT TEAM:  
Senior Architects: **Chrysanthos Pissaridis, Salih Ozbirim**  
Civil Engineers: **Platonas Stylianou, Alberto Farinola, George Hadjidemetriou**  
Quantity Surveyors: **Marinos Demosthenous, Angela Christoforou**  
Archaeol: Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou  
Heritage Consult. Kyriakos Themistocleous Dron Opr: Sevket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:	
STRUCTURAL DRAWINGS	DETAILS	
DATE:	SCALE:	
December, 2017	1:5/1:10	S.D.05



SITE PLAN



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

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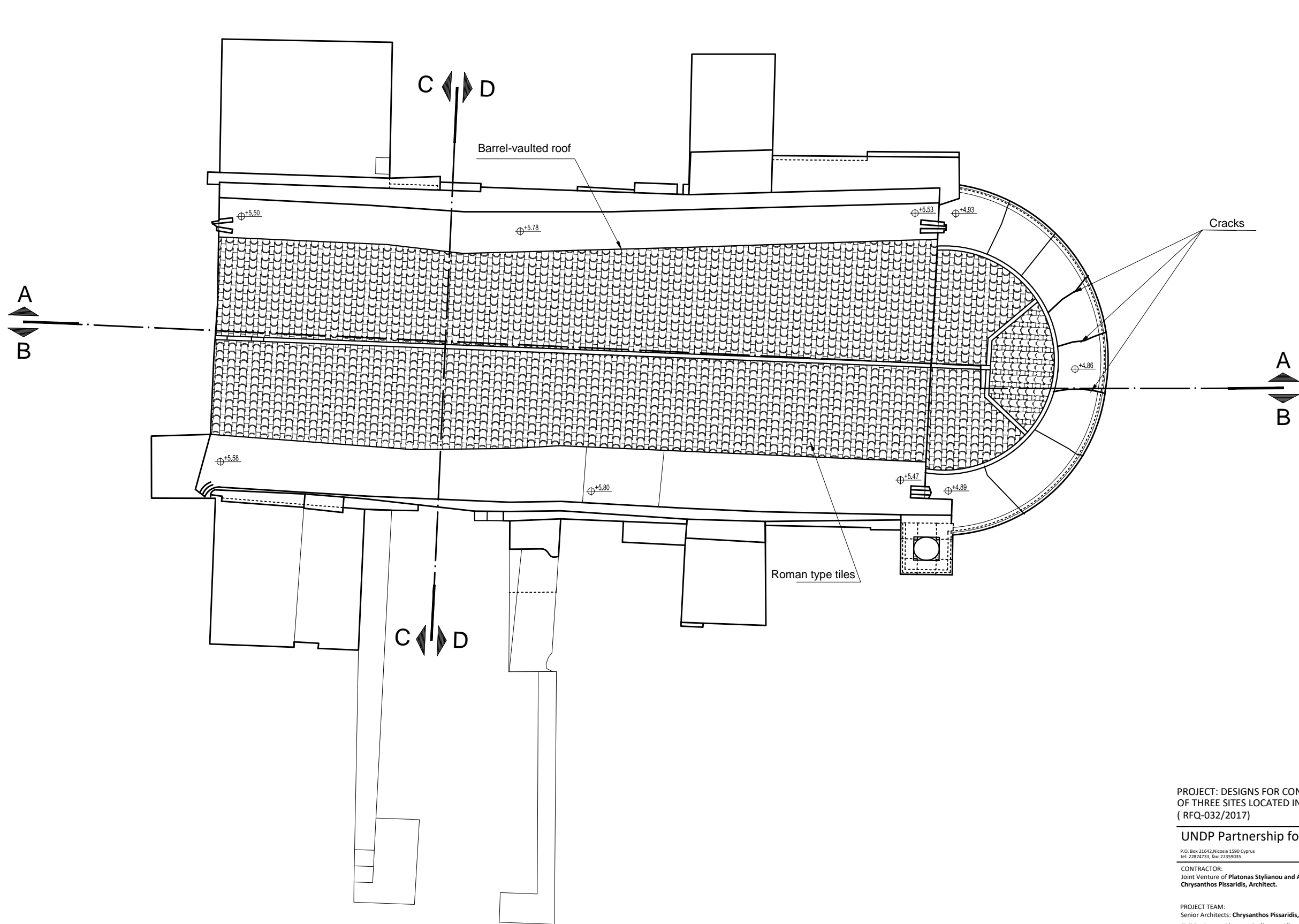
P.O. Box 21642, Nicosia 1590 Cyprus  
tel: 22874733, fax: 22359035

CONTRACTOR:  
Joint Venture of **Platonas Stylianou and Associates Consulting Engineers and  
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MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
RELEVÉ DRAWINGS	SITE PLAN
DATE: August, 2017	SCALE: 1:200
	R01



ROOF PLAN

0 0.5 1 2 3 4 5  
The dimensions are in meters (m)

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OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

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tel: 22874733, fax: 22359035

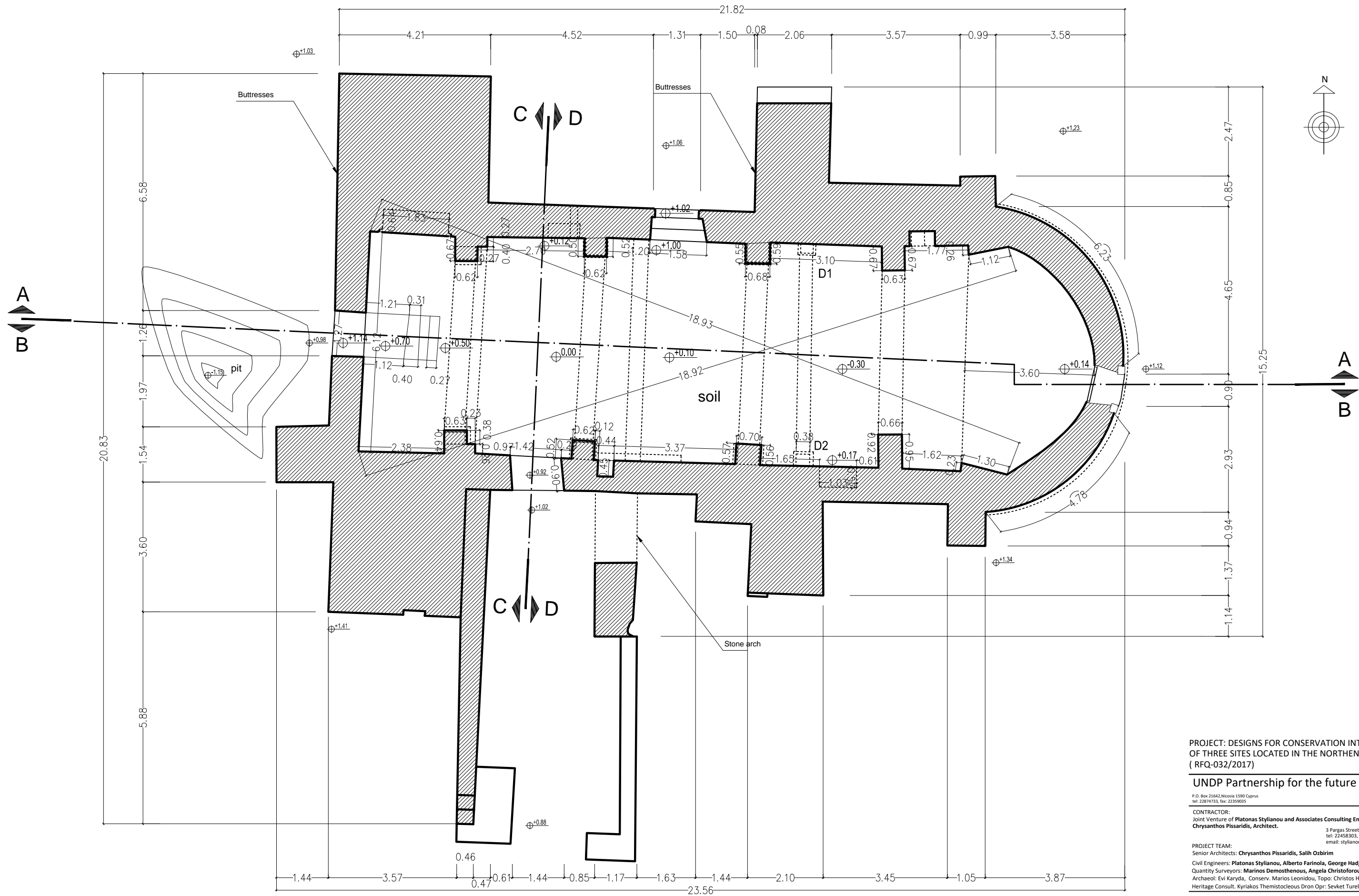
CONTRACTOR:  
Joint Venture of Platonas Stylianou and Associates Consulting Engineers and  
Chrysanthos Pissaridis, Architect.

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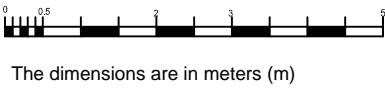
PROJECT TEAM:  
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Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevetket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:	
RELEVÉ DRAWINGS	ROOF PLAN	
DATE: August, 2017	SCALE: 1:100	R02



PLAN AT WINDOW LEVEL (+2.00m)



PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

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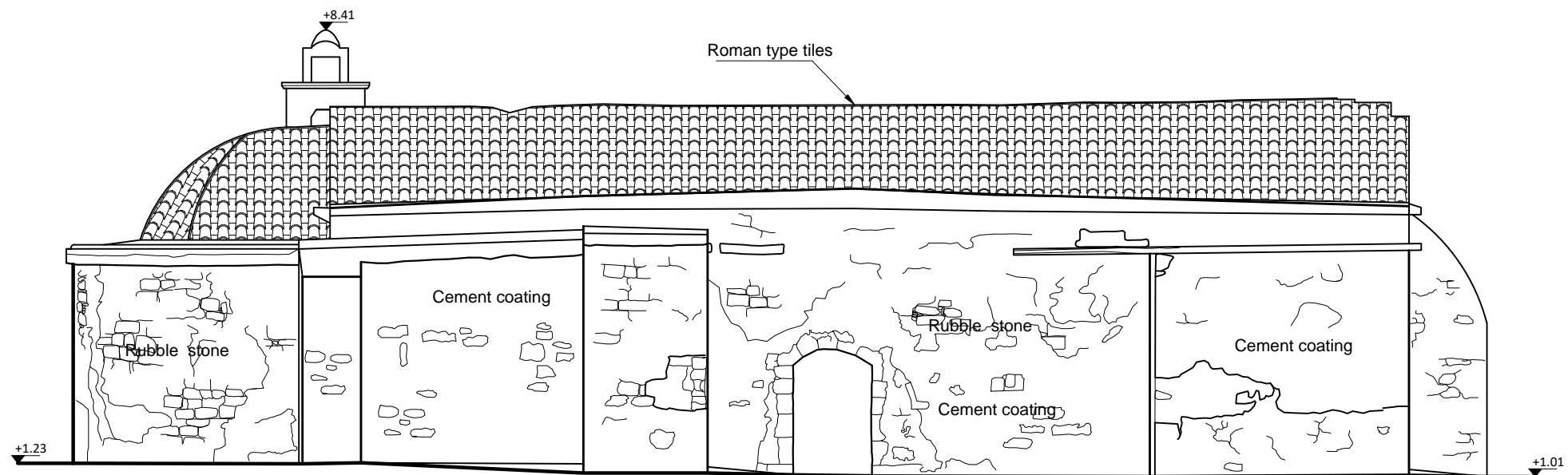
PROJECT TEAM:  
Senior Architects: **Chrysanthos Pissaridis, Salih Ozbirim**  
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Heritage Consult. Kyriakos Themistocleous Dron Opr: Sevetket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

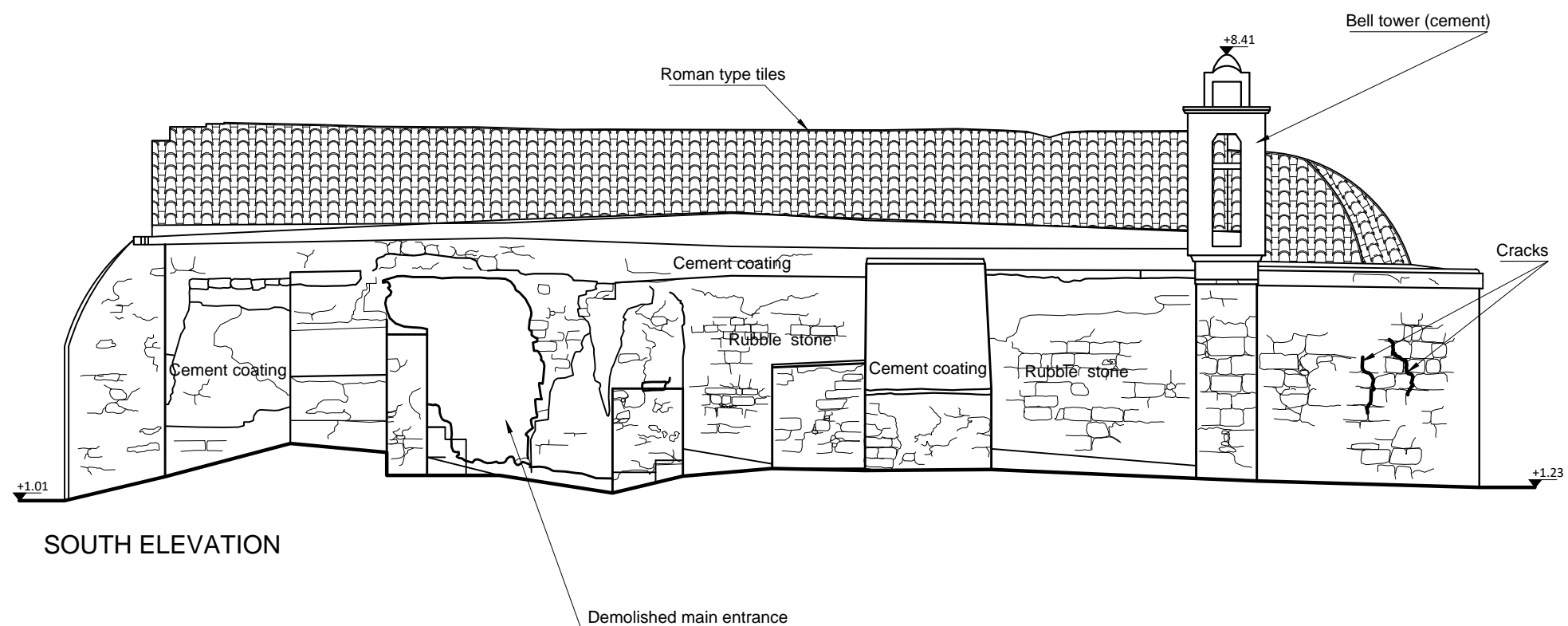
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RELEVÉ DRAWINGS	PLAN AT WINDOW LEVEL	
DATE:	SCALE:	
August, 2017	1:100	R03



OUTPUT:	DRAWING:	
RELEVE DRAWINGS	CEILING PLAN	
DATE: August, 2017	SCALE: 1:100	R04



NORTH ELEVATION



SOUTH ELEVATION

ELEVATIONS



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

P.O. Box 21642, Nicosia 1590 Cyprus  
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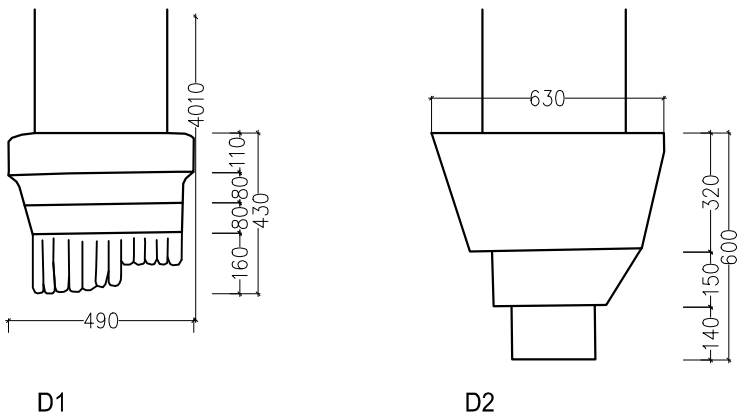
CONTRACTOR:  
Joint Venture of **Platonas Stylianou and Associates Consulting Engineers and  
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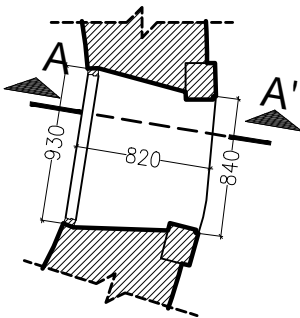
MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:	
RELEVÉ DRAWINGS	ELEVATIONS	
DATE: August, 2017	SCALE: 1:100	R05

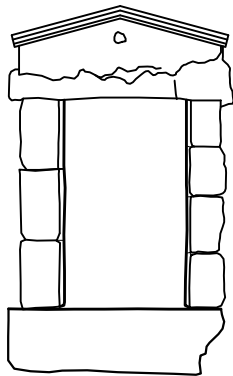
CAPITAL DETAILS



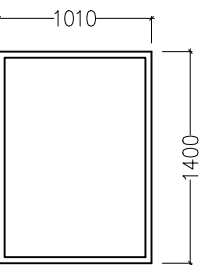
WINDOW DETAIL  
SCALE 1:20



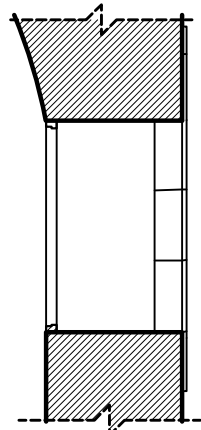
PLAN



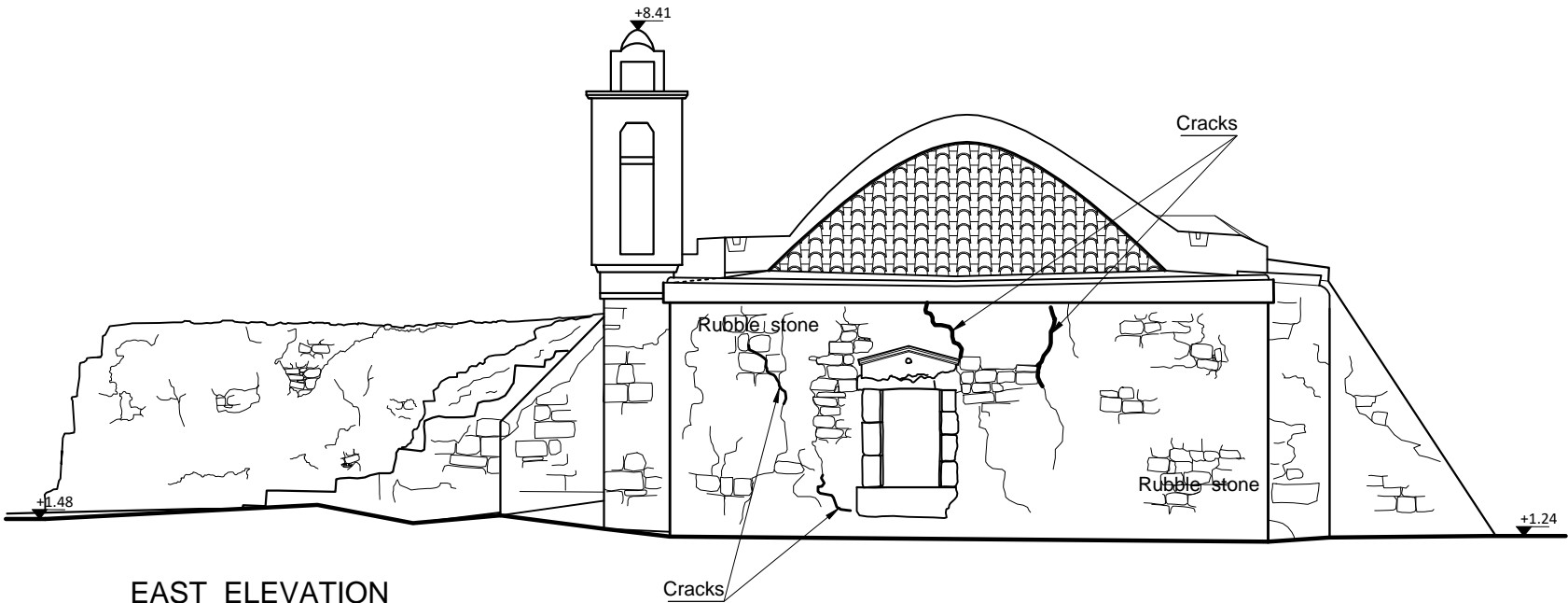
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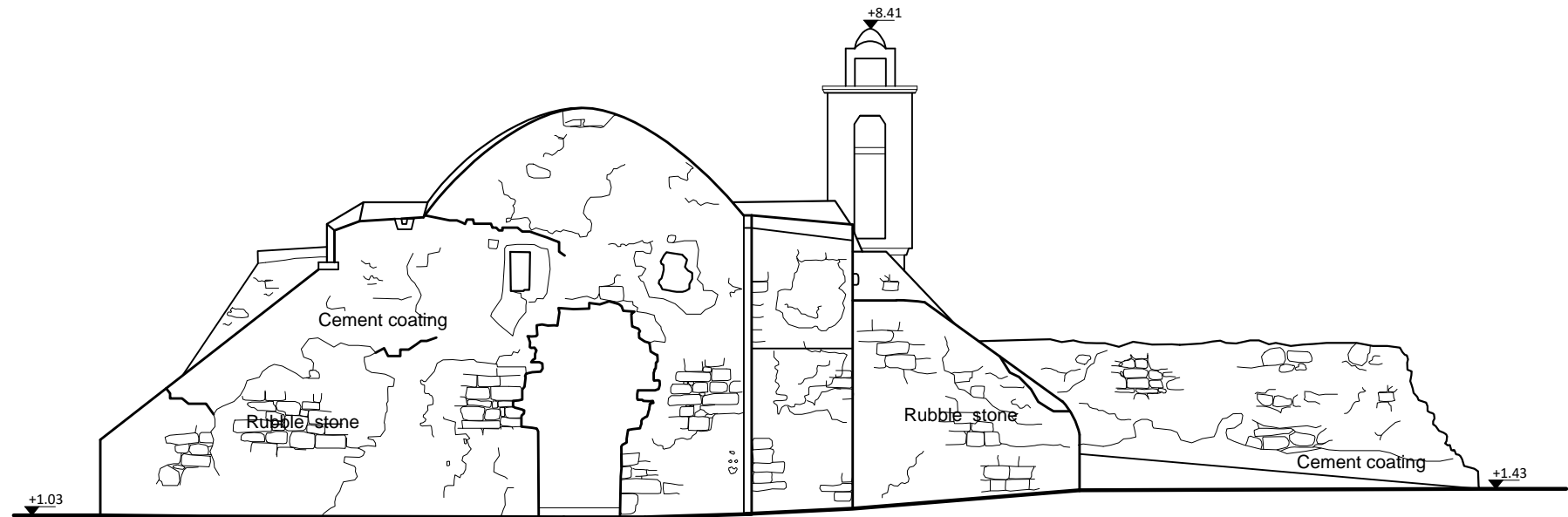
WINDOW FRAME



SECTION AA'



EAST ELEVATION



WEST ELEVATION

ELEVATIONS



The dimensions are in meters (m)



The dimensions are in millimeters (mm)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

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PROJECT TEAM:

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Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevetket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:

RELEVÉ DRAWINGS

DATE:

August, 2017

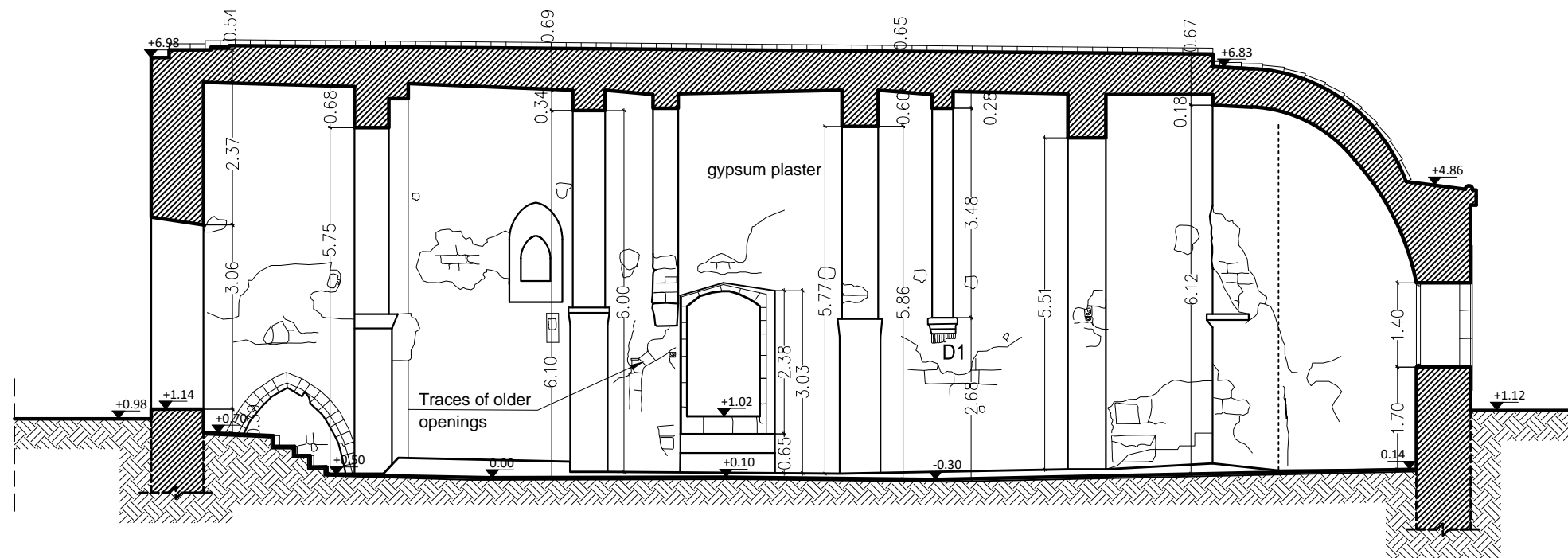
DRAWING:

ELEVATIONS+ DETAILS

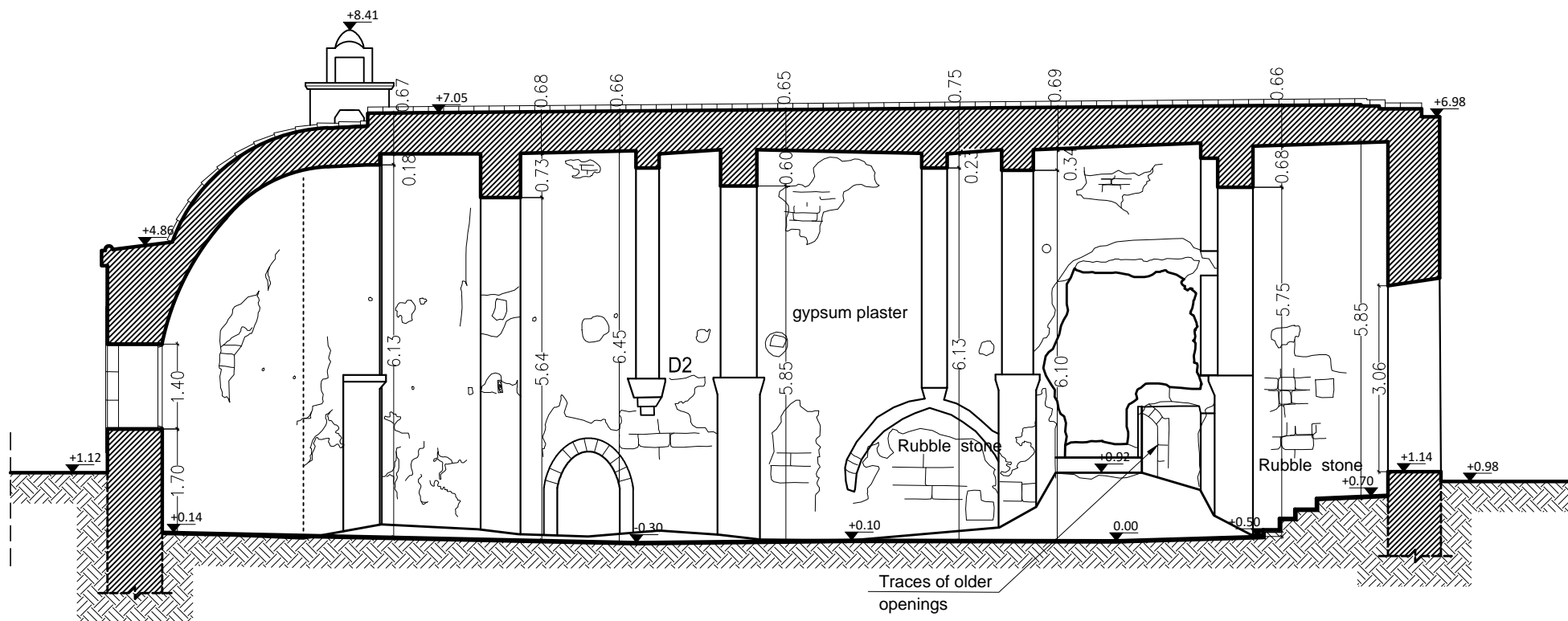
SCALE:

1:100

R06



LONGITUDINAL SECTION AA'



LONGITUDINAL SECTION BB'

LONGITUDINAL SECTIONS



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

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tel: 22874753, fax: 22359035

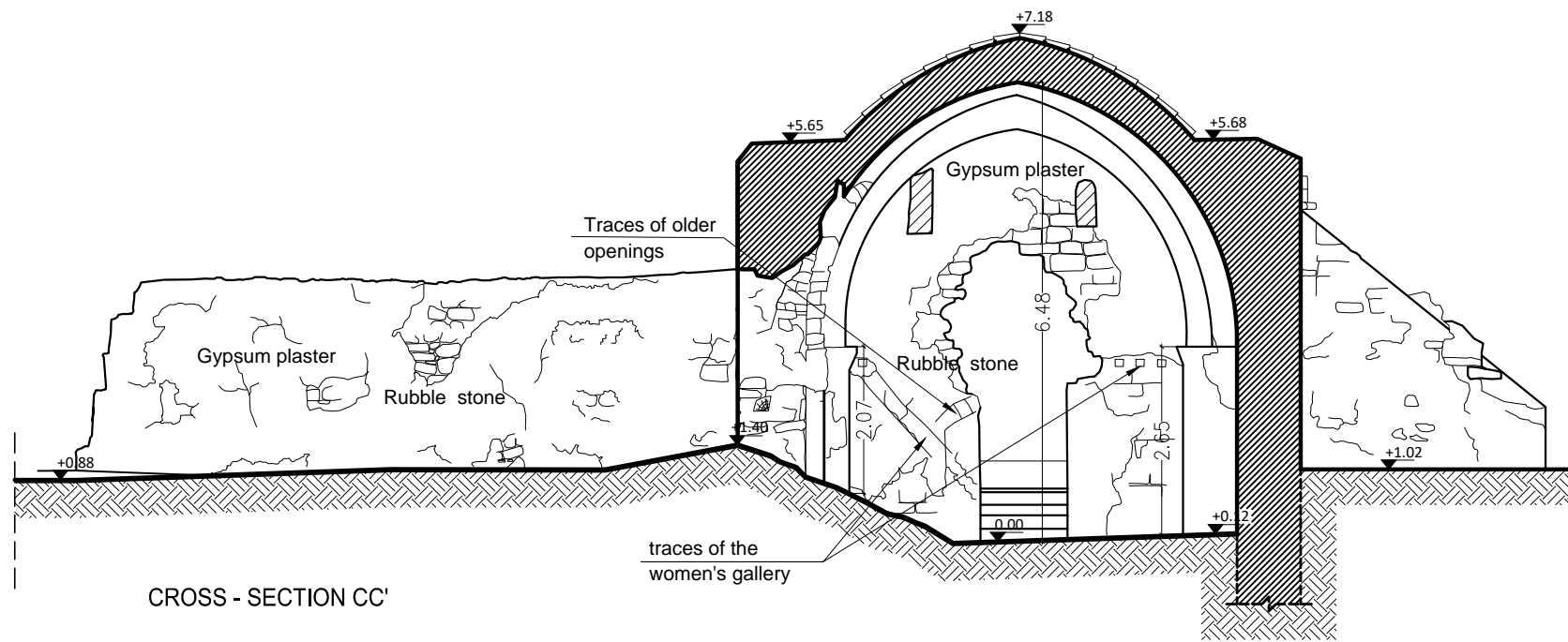
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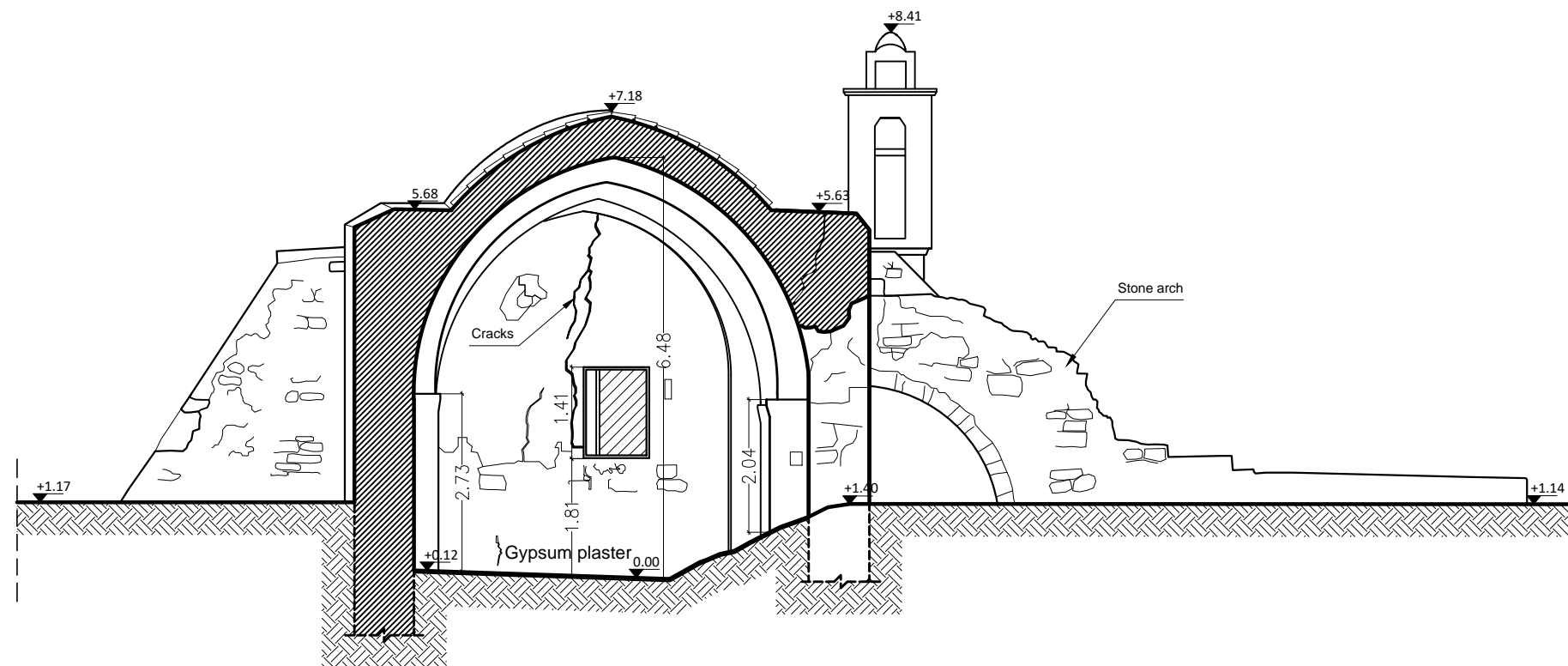
PROJECT TEAM:  
Senior Architects: **Chrysanthos Pissaridis, Salih Ozbirim**  
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Heritage Consult: **Kyriakos Themistocleous Dron Opr: Sevet Turel**

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:	
RELEVÉ DRAWINGS	LONGITUDINAL SECTIONS	
DATE:	SCALE:	
August, 2017	1:100	R07



CROSS - SECTION CC'



CROSS - SECTION DD'

CROSS SECTIONS



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
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Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevet Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:	
RELEVÉ DRAWINGS	CROSS SECTIONS	
DATE: August, 2017	SCALE: <b>1:100</b>	<b>R08</b>

- All collapsed parts of the existing stone retaining walls should be reconstructed using the same materials/stones with hydraulic mortar. The existing parts to be consolidated with hydraulic based mortar.

Topographic map of the site showing the proposed building layout, existing structures, and terrain contours. The map includes labels for "Refill with soil the existing pit", "Corridor of ground sandstone (\"pouri\") layer of 50mm", "Main entrance to the site", and "Shallow pool (area needed to temporarily store the water) within the court yard as the hydraulic study". The map also shows a "road" and "retaining walls".

Shallow pool  
(area needed to temporarily  
store the water) within the  
court yard as the hydraulic study

# SITE PLAN

Technical drawing of a mechanical part, labeled 'd'. The part is a cylindrical component with a central hole. The dimensions are as follows: the outer diameter is 0.10, the inner diameter is 0.05, the length of the central hole is 1.40, and the total length of the part is 0.20. The drawing shows a cross-section of the part, with the central hole and the outer shell clearly defined.

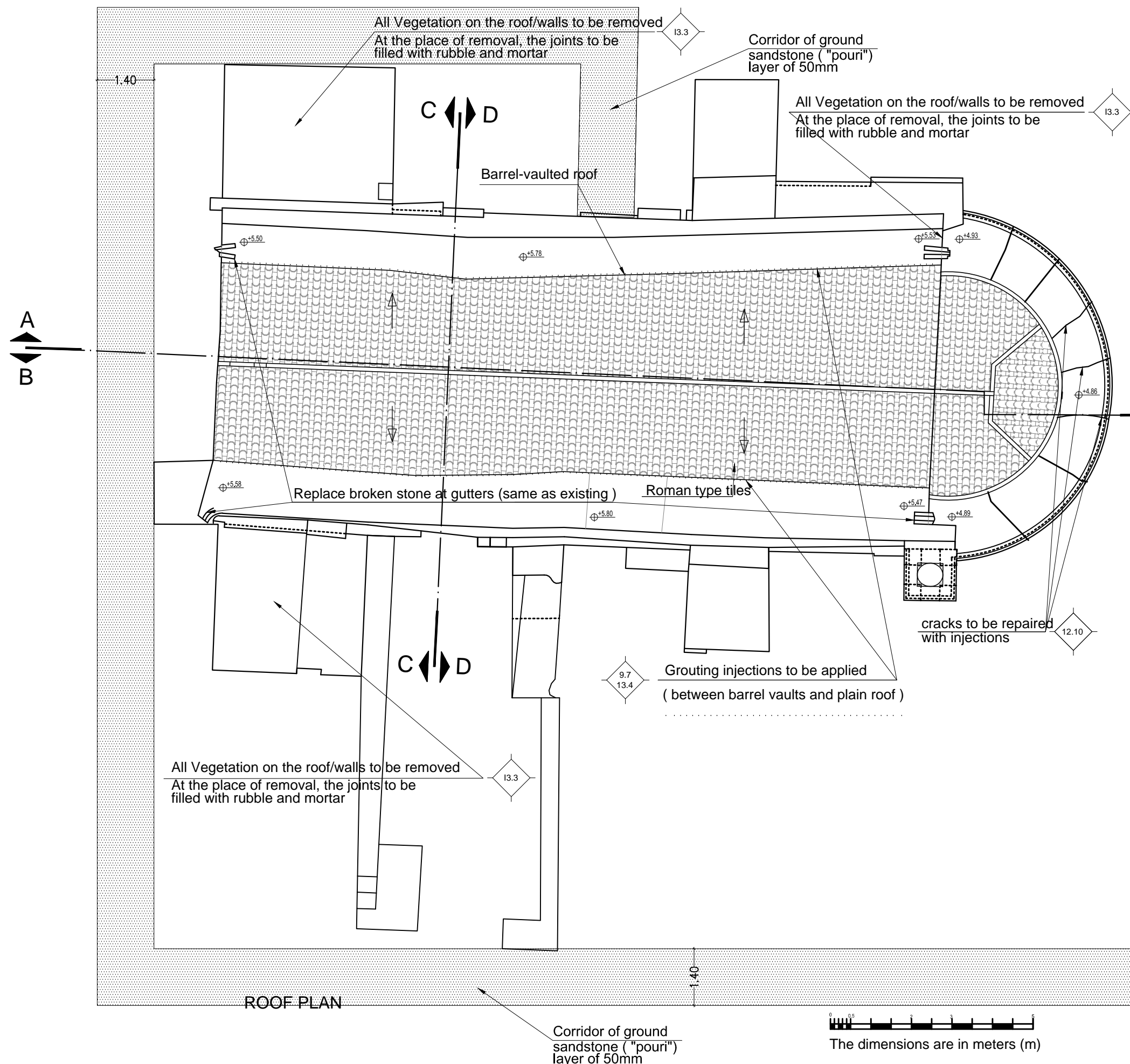
SCALE 1:40

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OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

P.O. Box 21642, Nicosia 1590 Cyprus  
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Heritage Consult. Kyriakos Themistocleous Drone Opr: Sevetur Turel

OUTPUT:	DRAWING:	
PROPOSAL DRAWINGS	SITE PLAN	
DATE: October , 2017	SCALE: 1:200	P01



# REMOVAL OF TOP LAYER OF THE ROOF AND ITS RECONSTRUCTI

To be performed as follows:

- Supporting of the internal surface of the vaults as shown in structural drawings.
- Careful removal of existing tiles. Cleaning and storing in order to be replaced
- Carefully removal of the top roof layer with hand tools (no heavy machinery tools to be used).
- Replace damaged stones and clean with biocides any deteriorated stones.
- Wherever vegetation is present, growing on either the walls or the roof it should be removed
- Healing stone cracks with Limepor100.
- Preparation of plane for impermeabilization with lime slab (Tectoria M15 or Limepor NHL 3.5 reinforced with Kimitech ELASTOFIX or equivalent for approval) at least 3 cm. thick or according to 6.5.
- Smoothing edges to facilitate flow of water,
- Waterproofing after one week with lime based traditional finish such as Tectoria TFT or limepor FN or SK or equivalent for approval.
- Place existing tiles to the roof and where is necessary complete with new similar to the existing. Sample to be given for approval prior to placement
- Placement of new stone gutters as per drawings.
- The slope of the roof will be checked as to not have any stationary rainwater
- Anything else needed to produce a perfect finished job according to the project

Existing Waterspouts will be consolidated and cleaned and secure that rainwater washed away properly with correct inclination from the roof.

XXX existing altitudes/soil  
 XXX proposed altitudes/soil

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

P.O. Box 21642, Nicosia 1000 Cyprus

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 Joint Venture of Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.  
 3 Pargas Street, 1065 Nicosia, Cyprus  
 tel: 22458303, fax: 22458302  
 email: stylianoup@cytanet.com.cy

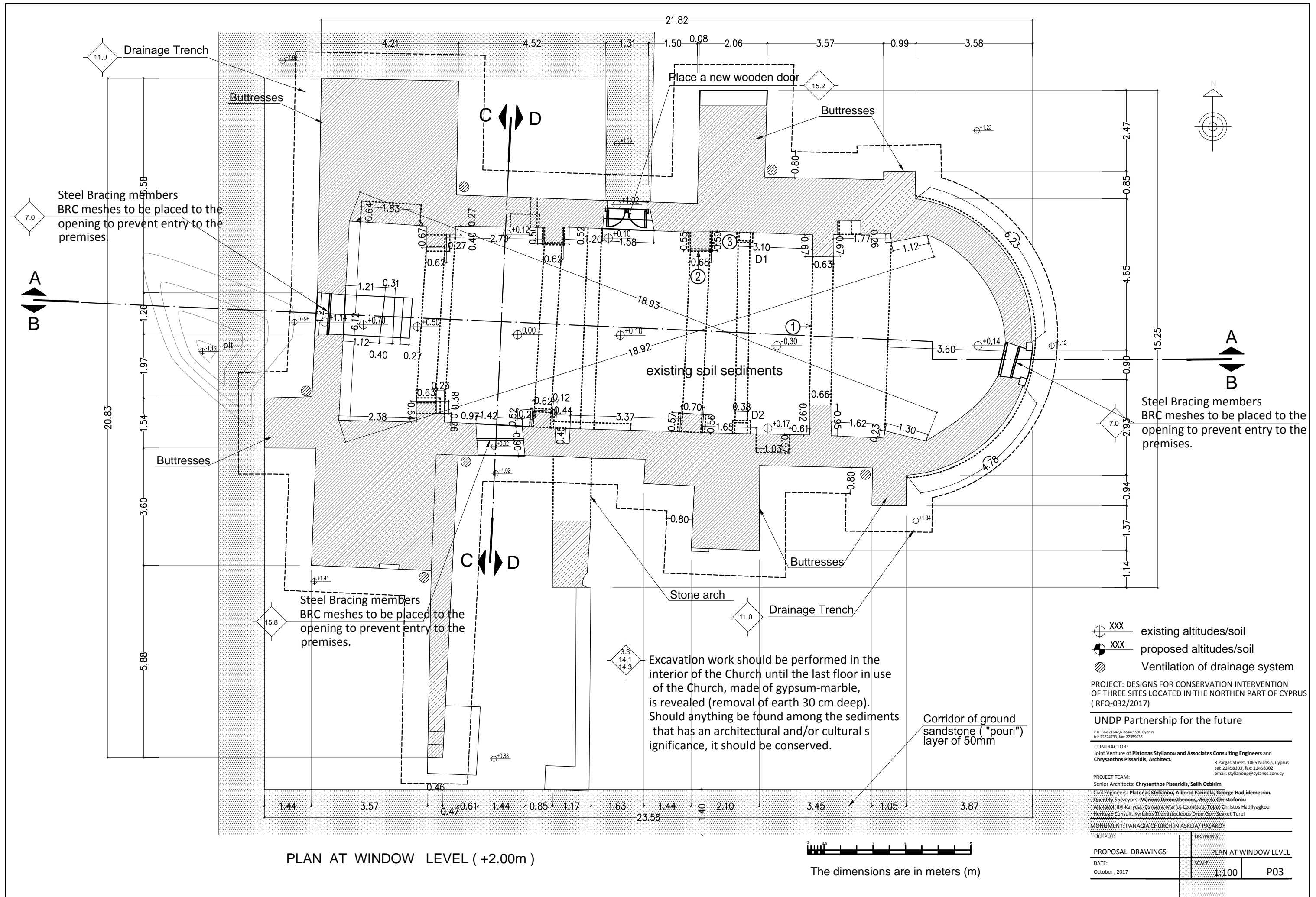
PROJECT TEAM:  
 Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
 Civil Engineers: Platonas Stylianou, Alberto Farinola, George Hadjidemetriou  
 Quantity Surveyors: Marinos Demosthenous, Angela Christoforou  
 Archaeol. Ev. Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou  
 Heritage Consult. Kyriakos Themistocleous Dron Opr: Sevetket Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	ROOF PLAN
DATE:	SCALE:
October, 2017	1:100
	P02



The dimensions are in meters (m)



PLAN AT WINDOW LEVEL (+2.00m)

The dimensions are in meters (m)

XXX existing altitudes/soil  
XXX proposed altitudes/soil  
Ventilation of drainage system

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

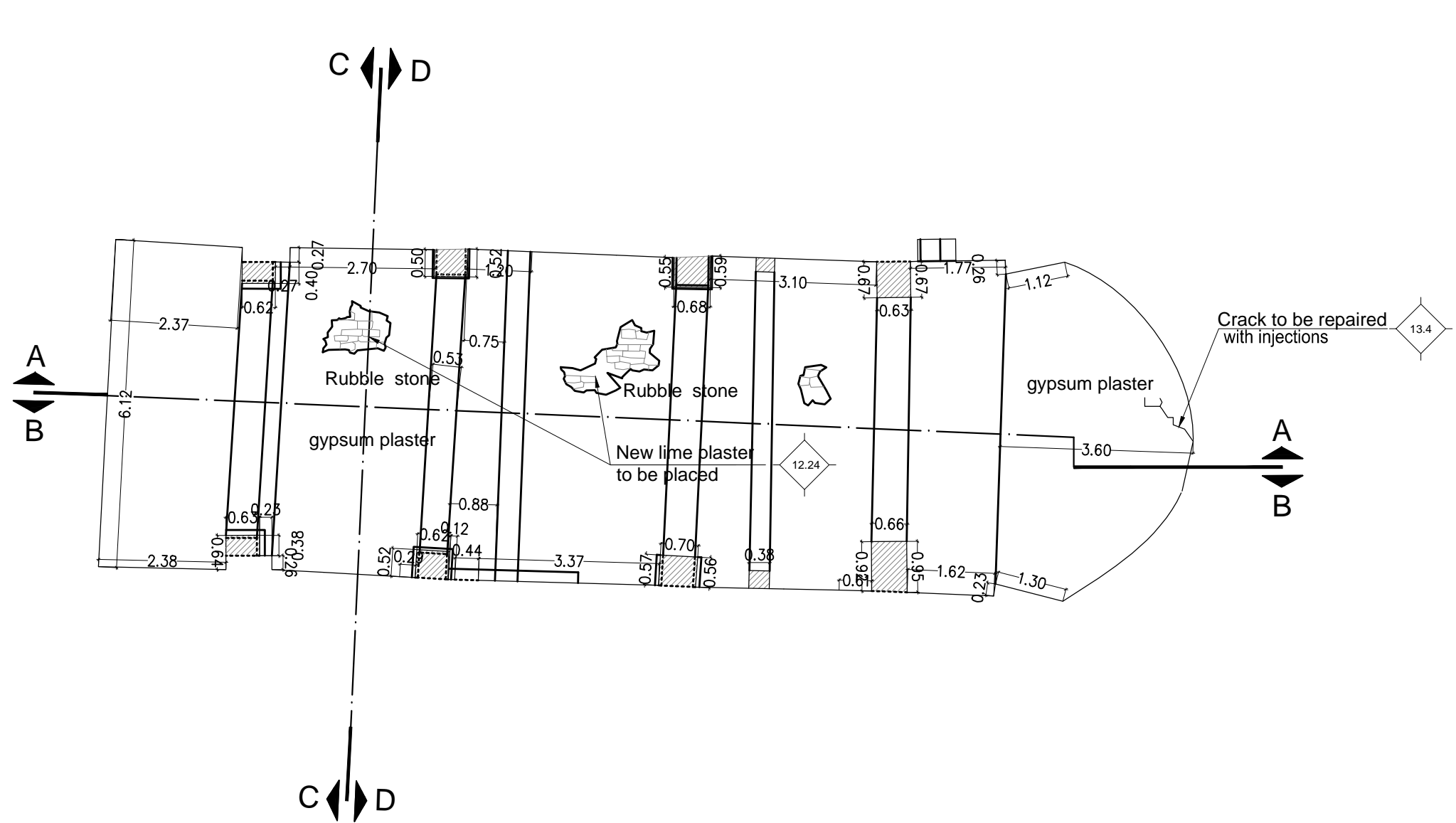
P.O. Box 21642, Nicosia 1590 Cyprus  
tel: 22874733, fax: 22359035

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PROJECT TEAM:  
Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
Civil Engineers: Platonas Stylianou, Alberto Farinola, George Hadjemetriou  
Quantity Surveyors: Marinos Demosthenous, Angela Christoforou  
Archaeologist: Evi Karyda, Conservator: Marinos Leonidou, Topographer: Christos Hadjiyagkourou  
Heritage Consultant: Kyriakos Themistocleous Dran Odr: Sevet Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PASAKIOY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	PLAN AT WINDOW LEVEL
DATE: October , 2017	SCALE: 1:100 P03



CEILING PLAN ( +3.20m )



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

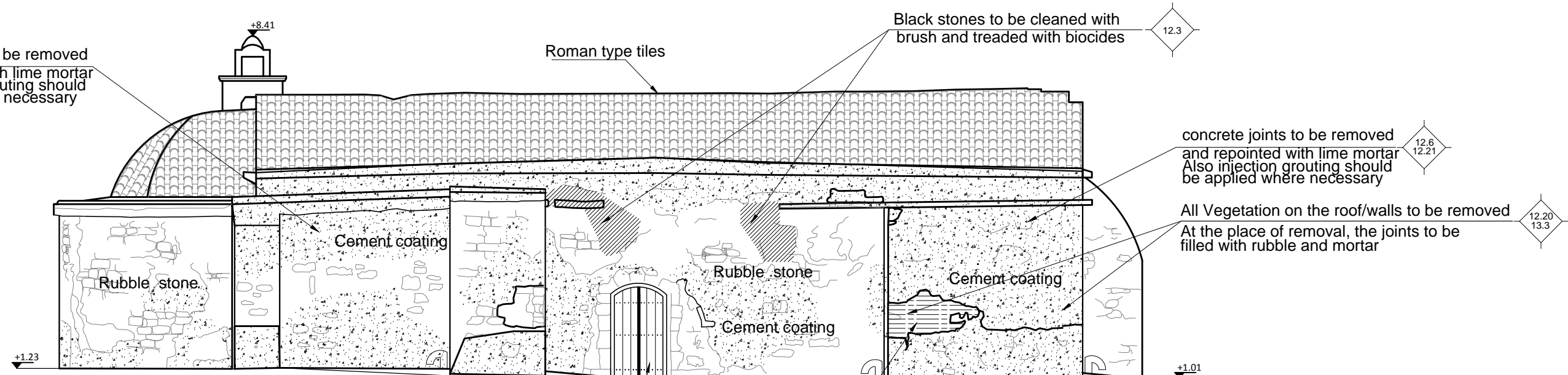
P.O. Box 21642, Nicosia 1500 Cyprus  
tel: 22874733, fax: 22359035

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Joint Venture of **Platonas Stylianou and Associates Consulting Engineers and  
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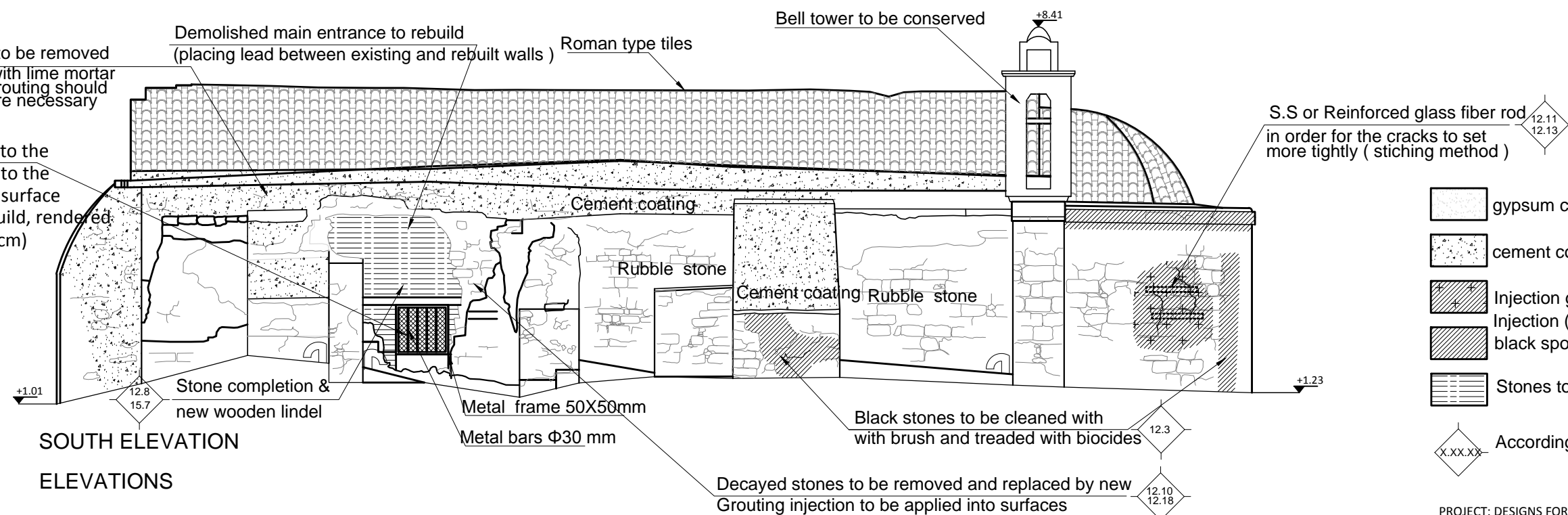
PROJECT TEAM:  
Senior Architects: **Chrysanthos Pissaridis, Salih Ozbirim**  
Civil Engineers: **Platonas Stylianou, Alberto Farinola, George Hadjidemetriou**  
Quantity Surveyors: **Marinos Demosthenous, Angela Christoforou**  
Archaeol: **Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou**  
Heritage Consult: **Kyriakos Themistocleous Dron Opr: Sevet Turel**

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

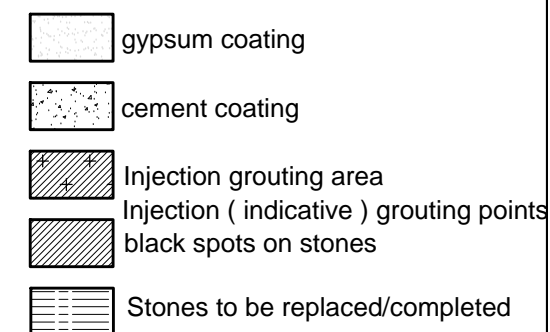
OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	CEILING PLAN
DATE: October , 2017	SCALE: 1:100 P04



NORTH ELEVATION



SOUTH ELEVATION  
ELEVATIONS



◇X.XX.X◇ According to specifications

## NOTES

- At the points where deep and severe cracks are formed, as in the south and east wall, the stones should be carefully dismantled on either side of the cracks. Subsequently, the masonry should be rebuilt with stones similar to the original ones in both size and texture using of " stitching". It is suggested that additional s.s beams are positioned in.
- Thereafter, rubble filling and mortar pointing, to be implemented on the masonry.
- and then lime plaster coatings, to its interior face.
- Other smaller cracks to be filled up with solid rubblework and be properly pointed up, so that the stones which are displaced, and the rest of the masonry are well - bound together.

- The filling stones which either detached, wheathered, decayed or at risk of collapsing, as well as any eroded and cracked mortarjoints should be repointed, removed or replaced, for instance when the mortar joints go deeper than 3 cm from the surface of the stone, then the stone pointing must be renewed with mortar, after having first removed the original pointing.
- Most of the joints of the walls to be pointed.
- Injection grouting to be applied where indicate on drawings
- Apply stone consolidant KimistoneKSF to all exposed stones



The dimensions are in meters (m)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

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CONTRACTOR:  
Joint Venture of Platonas Stylianou and Associates Consulting Engineers and  
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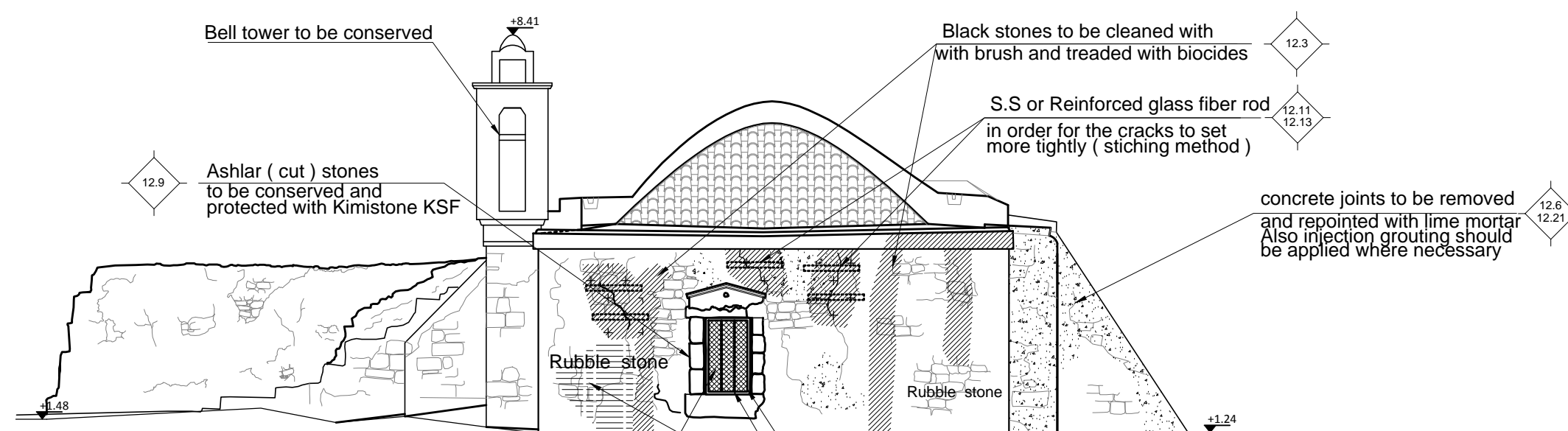
tel: 22458303, fax: 22458302

email: stylianoup@cytanet.com.cy

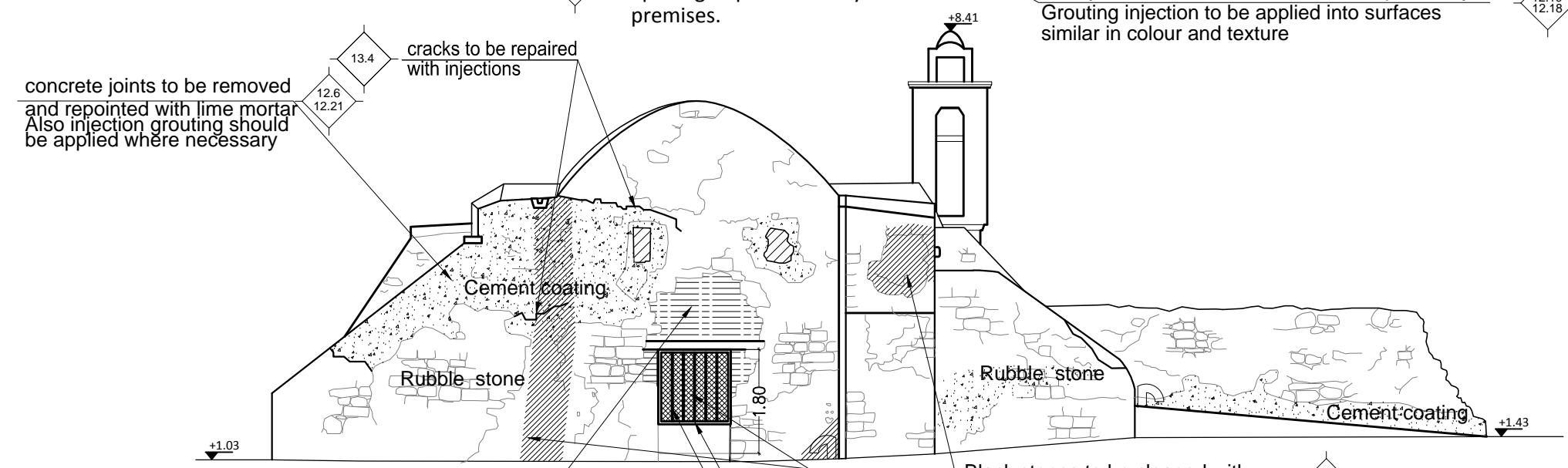
PROJECT TEAM:  
Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
Civil Engineers: Platonas Stylianou, Alberto Farinola, George Hadjidemetriou  
Quantity Surveyors: Marinos Demosthenous, Angela Christoforou  
Archaeol: Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou  
Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevet Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	ELEVATIONS
DATE: October , 2017	SCALE: 1:100
	P05



EAST ELEVATION



WEST ELEVATION  
ELEVATIONS

gypsum coating

cement coating

Injection grouting area

Injection ( indicative ) grouting points

black spots on stones

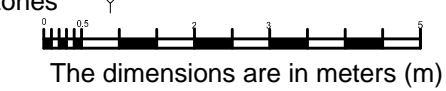
Stones to be replaced/completed

According to specifications

NOTES

- At the points where deep and severe cracks are formed, as in the south and east wall, the stones should be carefully dismantled on either side of the cracks. Subsequently, the masonry should be rebuilt with stones similar to the original ones in both size and texture using of " stitching ". It is suggested that additional s.s beams are positioned in.
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- and then lime plaster coatings, to its interior face.
- Other smaller cracks to be filled up with solid rubblework and be properly pointed up, so that the stones which are displaced, and the rest of the masonry are well - bound together.

- The filling stones which either detached, wheathered, decayed or at risk of collapsing, as well as any eroded and cracked mortarjoints should be repointed, removed or replaced, for instance when the mortar joints go deeper than 3 cm from the surface of the stone, then the stone pointing must be renewed with mortar, after having first removed the original pointing.
- Most of the joints of the walls to be pointed.
- Injection grouting to be applied where indicate on drawings
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PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017 )

UNDP Partnership for the future

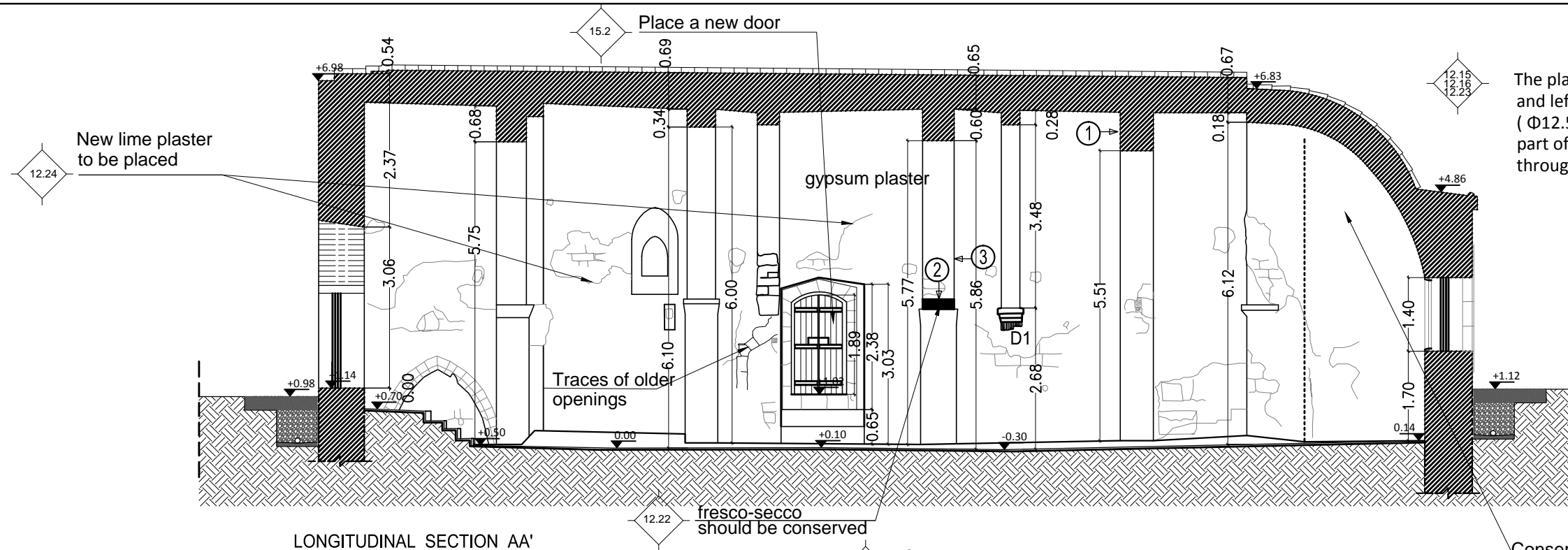
P.O. Box 21642, Nicosia 1300 Cyprus  
tel: 22874733, fax: 22359005

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Joint Venture of Platonas Stylianou and Associates Consulting Engineers and Chrysanthos Pissaridis, Architect.  
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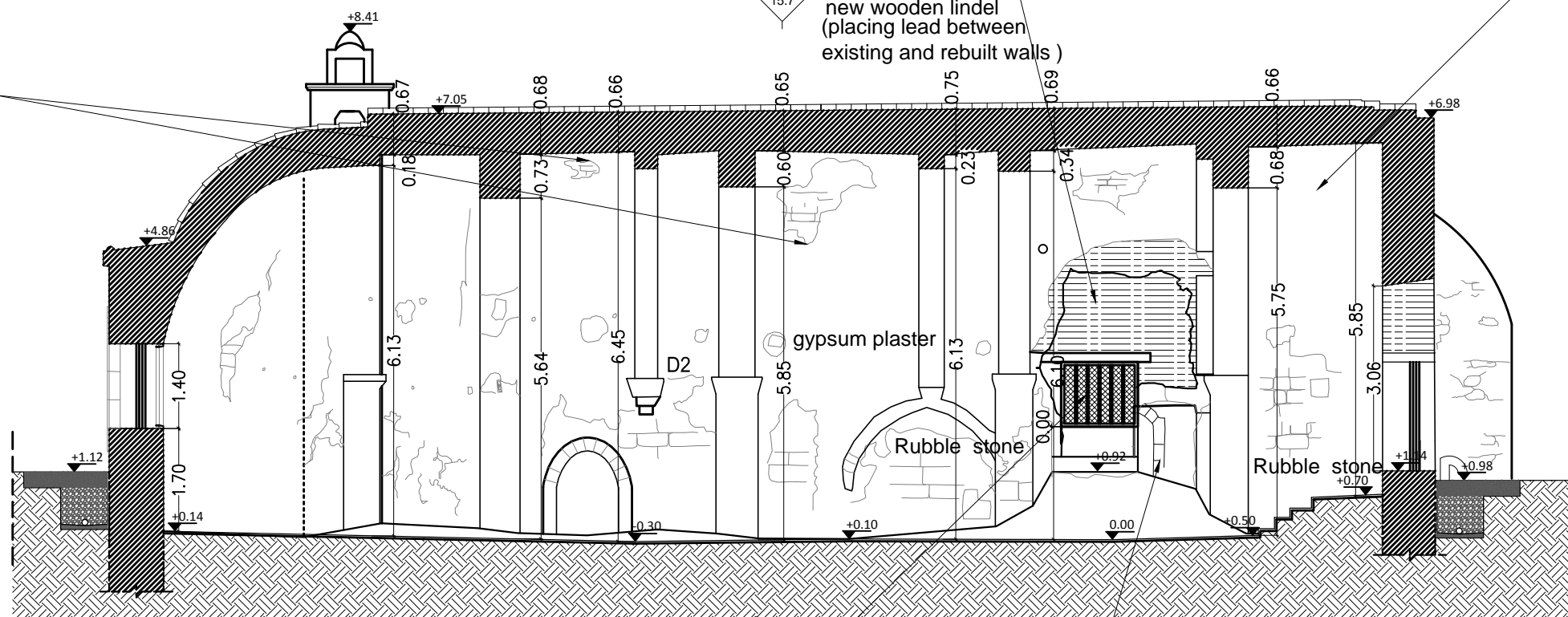
PROJECT TEAM:  
Senior Architects: Chrysanthos Pissaridis, Salih Ozbirim  
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Archaeol: Evi Karyda, Conserv. Marios Leonidou, Topo: Christos Hadjiyagkou  
Heritage Consult: Kyriakos Themistocleous Dron Opr: Sevkett Turel

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	ELEVATIONS+ DETAILS
DATE: October , 2017	SCALE: 1:100 P06



LONGITUDINAL SECTION AA'



LONGITUDINAL SECTION BB'  
LONGITUDIINAL SECTIONS

## NOTES

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- Most of the joints of the walls to be pointed.
- Injection grouting to be applied where indicate on drawings
- Apply stone consolidant KimistoneKSF to all exposed stones

The dimensions are in meters (m)

The plaster at the bottom part of the Church should be removed and left to dry out all the remaining moisture Small holes ( Ø12.5mm ) & plastic pipe should be opened along the bottom part of the masonry walls to allow the moisture to dry out faster through them

Conserve the internal plaster and frescoes according the conservator's prescriptions

①②③ Frescoes

- black spots on stones
- Stones to be replaced/completion

According to specifications

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017)

UNDP Partnership for the future

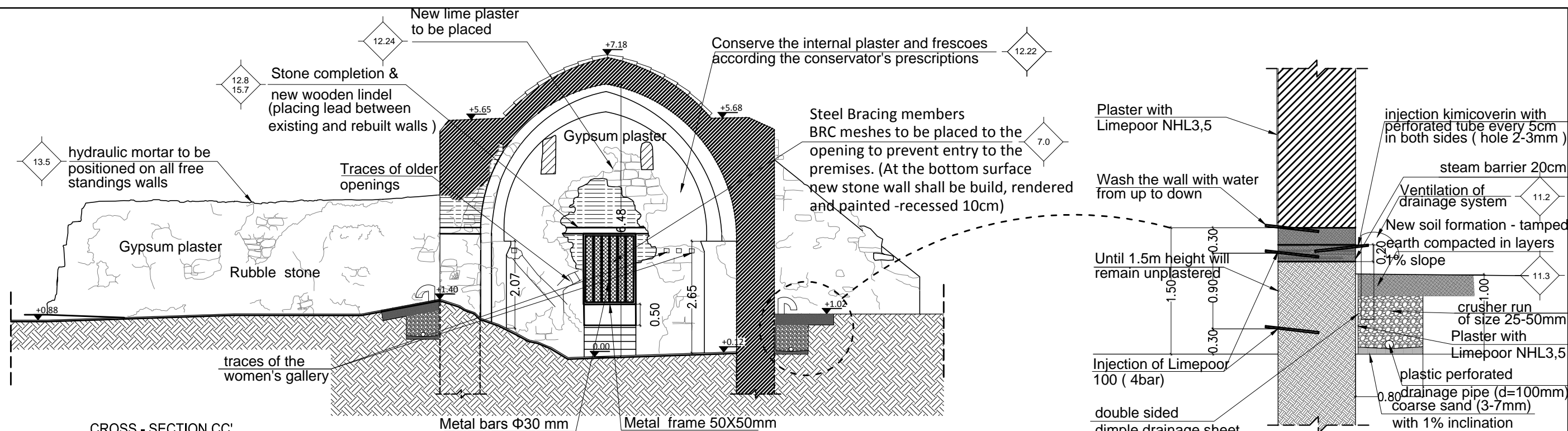
P.O. Box 21642, Nicosia 1500 Cyprus  
tel: 22874733, fax: 22359005

CONTRACTOR:  
Joint Venture of Platonas Stylianou and Associates Consulting Engineers and  
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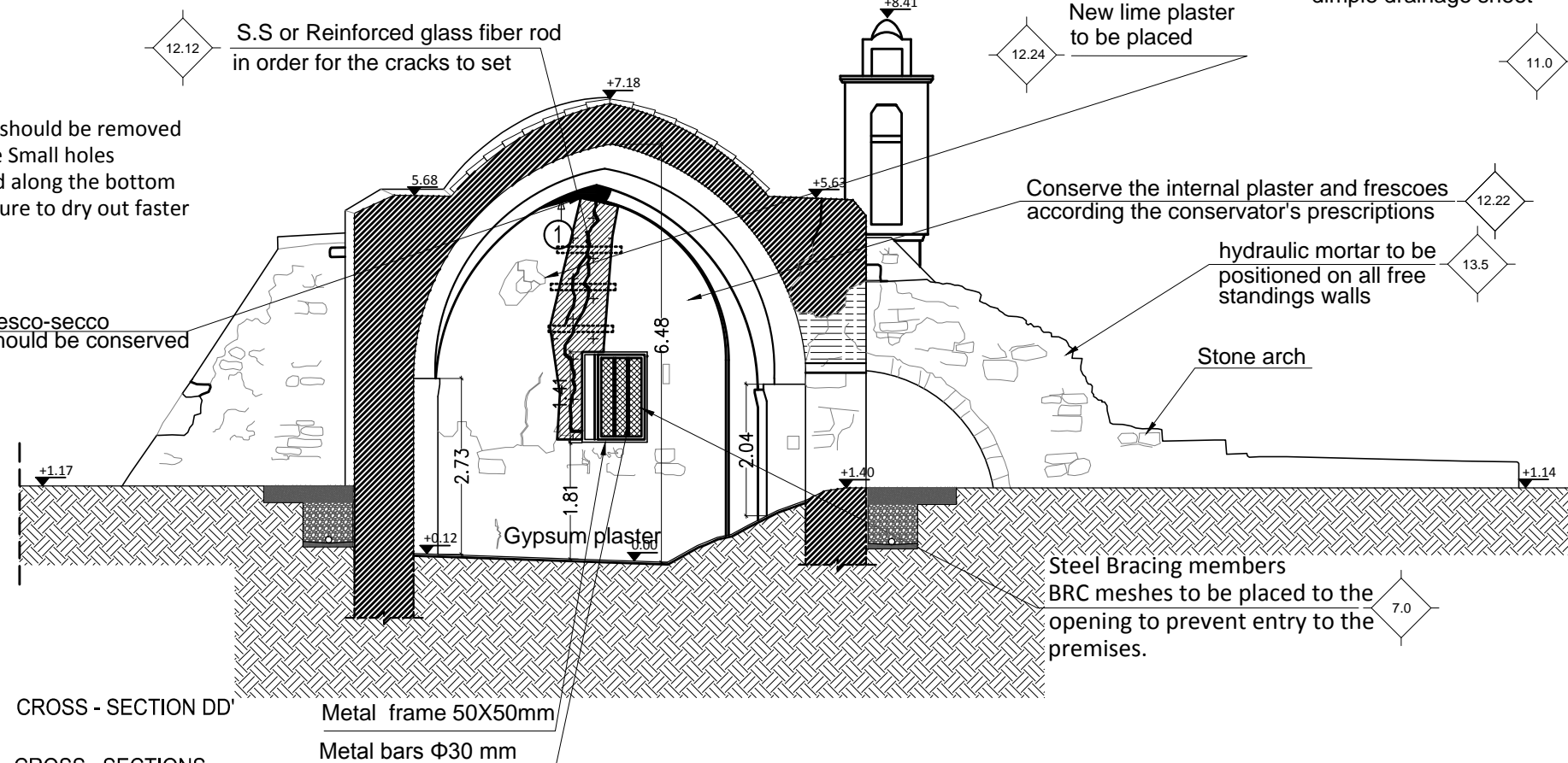
MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	LONGITUDINAL SECTIONS
DATE: October , 2017	SCALE: 1:100 P07



CROSS - SECTION CC'

DRAIN



CROSS - SECTION DD'

CROSS SECTIONS

## NOTES

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- Injection grouting to be applied where indicate on drawings
- Apply stone consolidant KimistoneKSF to all exposed stones

The dimensions are in meters (m)

- ① Frescoes
- Injection grouting area
- Injection ( indicative ) grouting points
- black spots on stones
- Stones to be replaced/completion
- According to specifications

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS ( RFQ-032/2017)

UNDP Partnership for the future

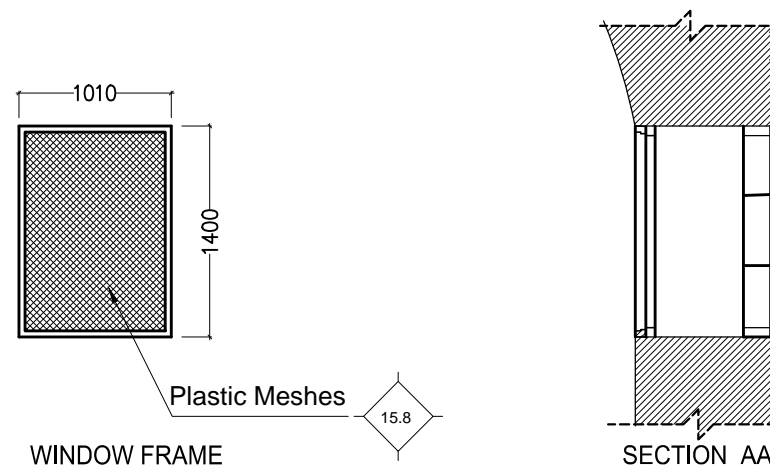
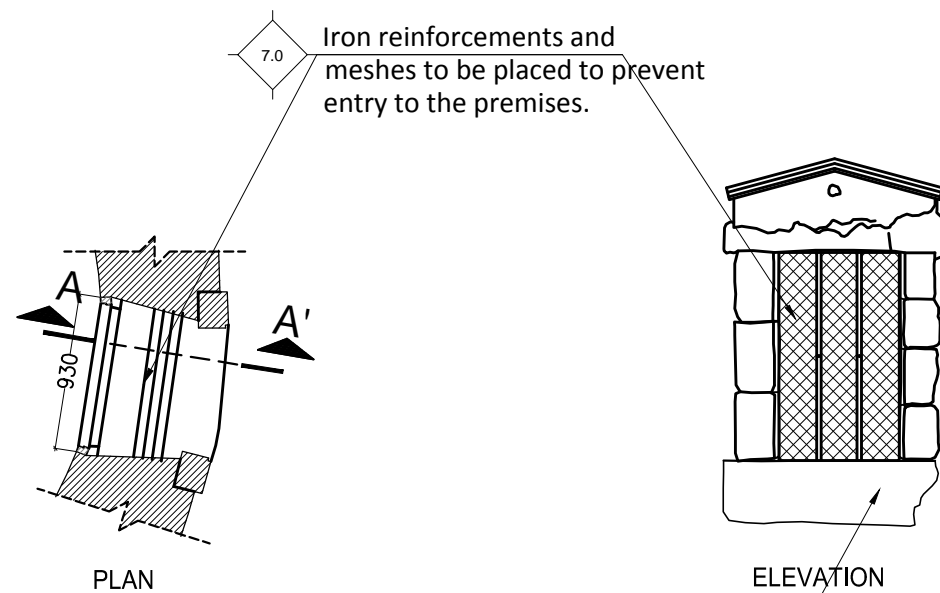
P.O. Box 21642, Nicosia 1500 Cyprus  
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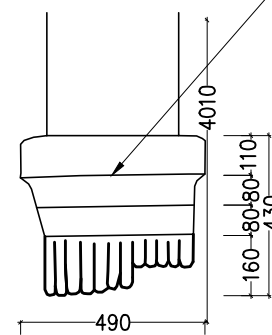
MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	CROSS SECTIONS
DATE: October , 2017	SCALE: 1:100 P08

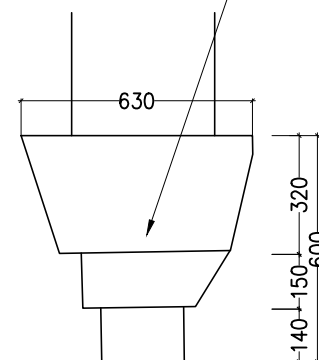


WINDOW DETAIL  
SCALE 1:50

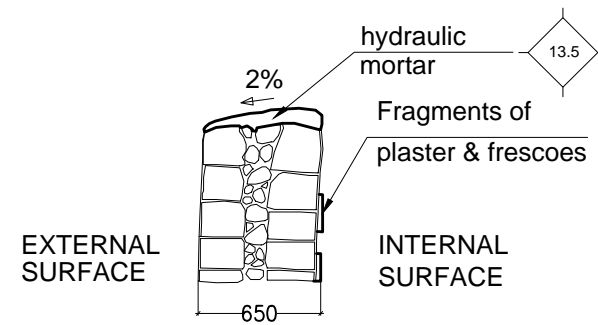
CAPITAL DETAILS  
SCALE 1:20



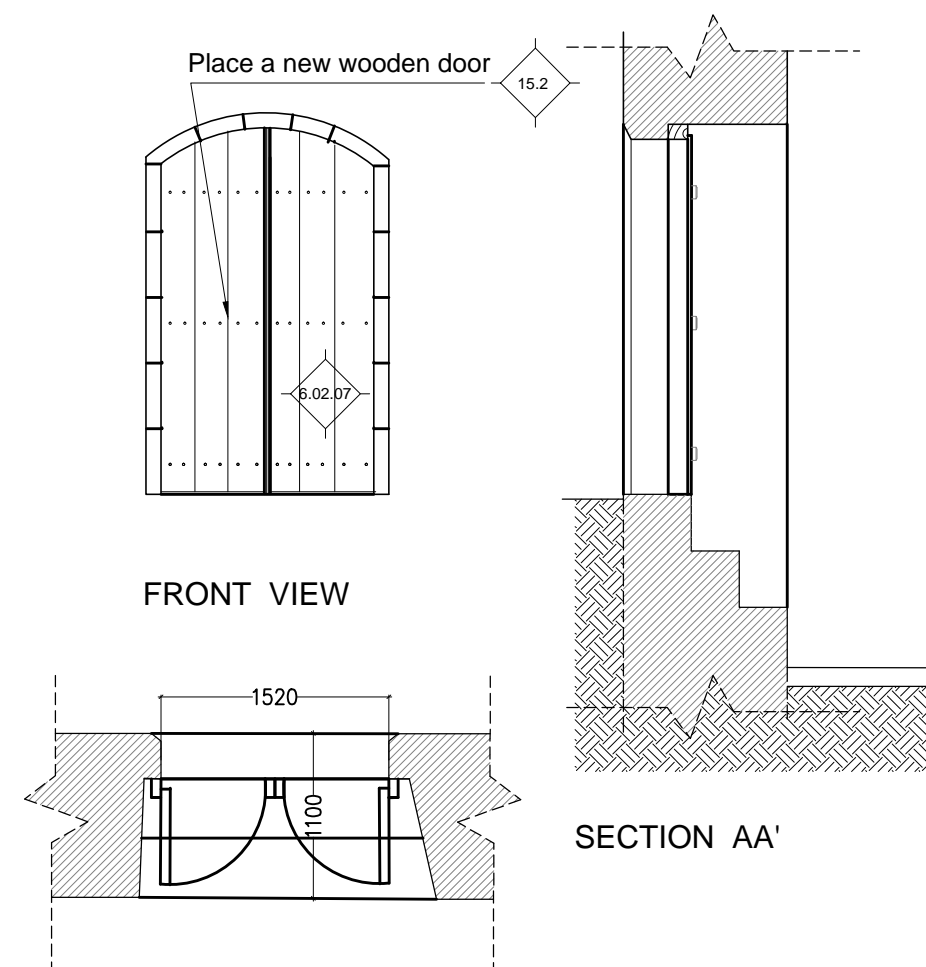
D1



D2

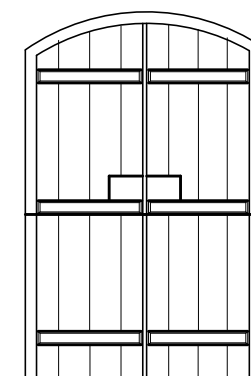


WALL SECTION  
( UPPER PART )  
SCALE 1:20



PLAN

NORTHERN DOOR  
SCALE 1:50



REAR VIEW



The dimensions are in millimeters (mm)

PROJECT: DESIGNS FOR CONSERVATION INTERVENTION  
OF THREE SITES LOCATED IN THE NORTHERN PART OF CYPRUS  
( RFQ-032/2017 )

UNDP Partnership for the future

P.O. Box 21662, Nicosia 1990 Cyprus  
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CONTRACTOR:  
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Heritage Consult: **Kyriakos Themistocleous Dron Opr: Sevet Turel**

MONUMENT: PANAGIA CHURCH IN ASKEIA/ PAŞAKÖY

OUTPUT:	DRAWING:
PROPOSAL DRAWINGS	DETAILS
DATE: October , 2017	SCALE: 1:50
	P09