

Implemented by the:  
UNDP  
In collaboration with the  
Technical Committee on Cultural Heritage

ADMINISTRATIVE COMMITTEE  
OF THE HOLY MONASTERY  
OF APOSTOLOS ANDREAS  
RIZOKARPASSO, CYPRUS

RESEARCH PROGRAMM FOR THE  
RESTORATION AND REHABILITATION  
OF THE HISTORIC BUILDING COMPLEX  
AND RECONFIGURATION OF THE  
ENVIRONMENT OF THE MONASTERY

PROJECT PHASE B :  
IMPLEMENTATION  
GUEST HOUSE BUILDING (1919)(GH)



UNIVERSITY OF PATRAS  
SCHOOL OF ENGINEERING  
DEPARTMENT OF ARCHITECTURE  
LABORATORY OF URBAN  
AND REGIONAL PLANNING

Director : Professor N.D. Polydoriadis

Main Researcher :

P.M. Koutoupoulos, Assistant Professor

Scientific advisors :

S.V. Mameloukos, Assistant Professor

D.M. Myrianthefs, architect-restorer

M.M. Myrianthefs, architect-restorer

Collaborators :

N. Kalathas, civil engineer

G. Demetriades, civil engineer

O. Monogios, electrical engineer

L. Vacanas, mechanical engineer

Ch. Makris, quantity surveyor

G. Dogani, antiquities conservator

A. Galaniou, antiquities conservator

Title: EXISTING  
REFLECTING PLAN  
OF WOODEN CEILINGS  
Scale: 1:50

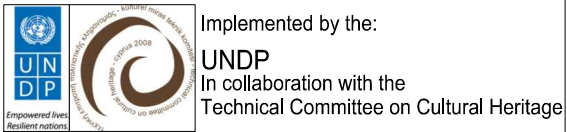
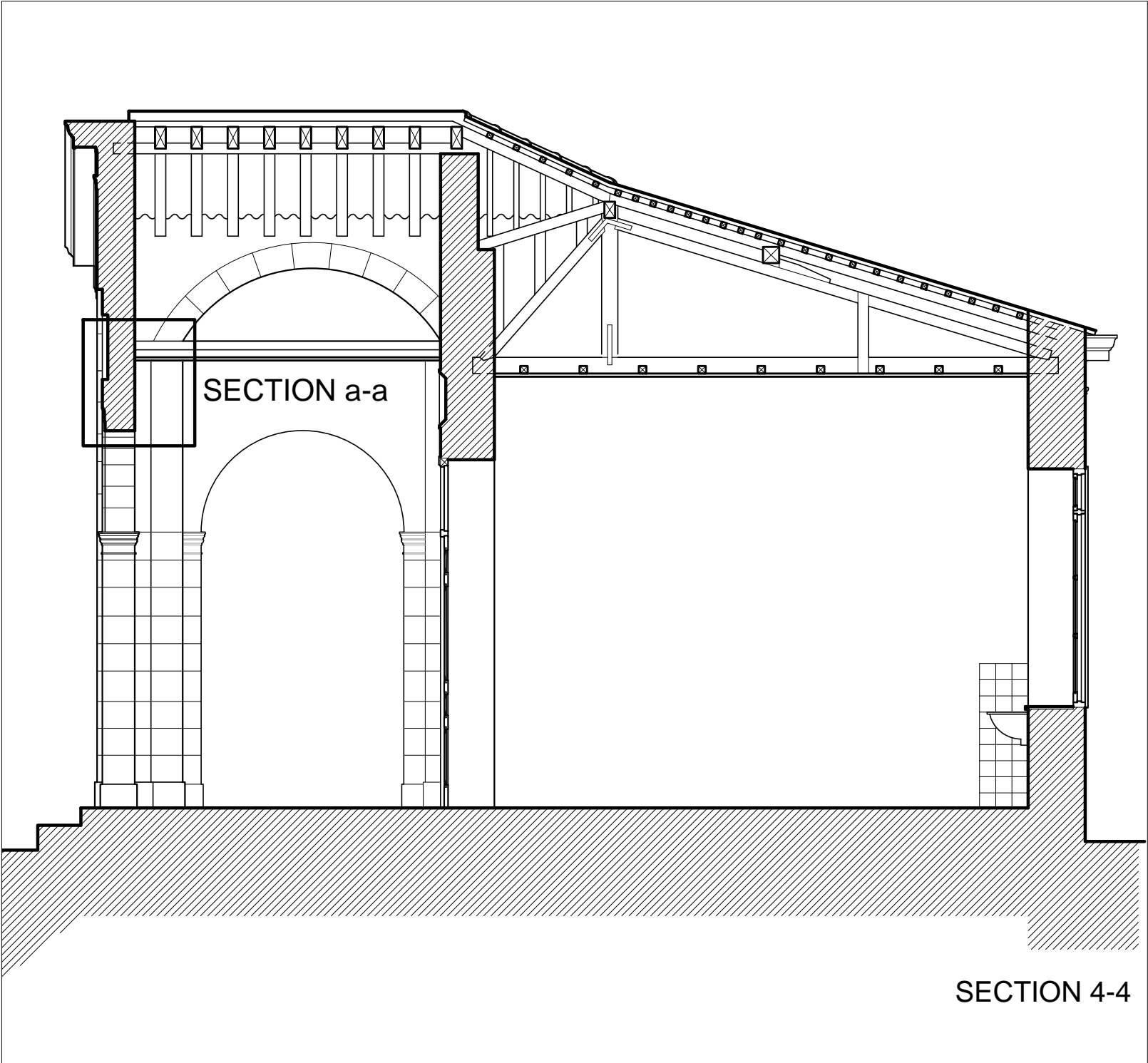


Date: April 2006

Plate number: GHE13

SECTION a-a

PROJECTION OF  
CEILINGS



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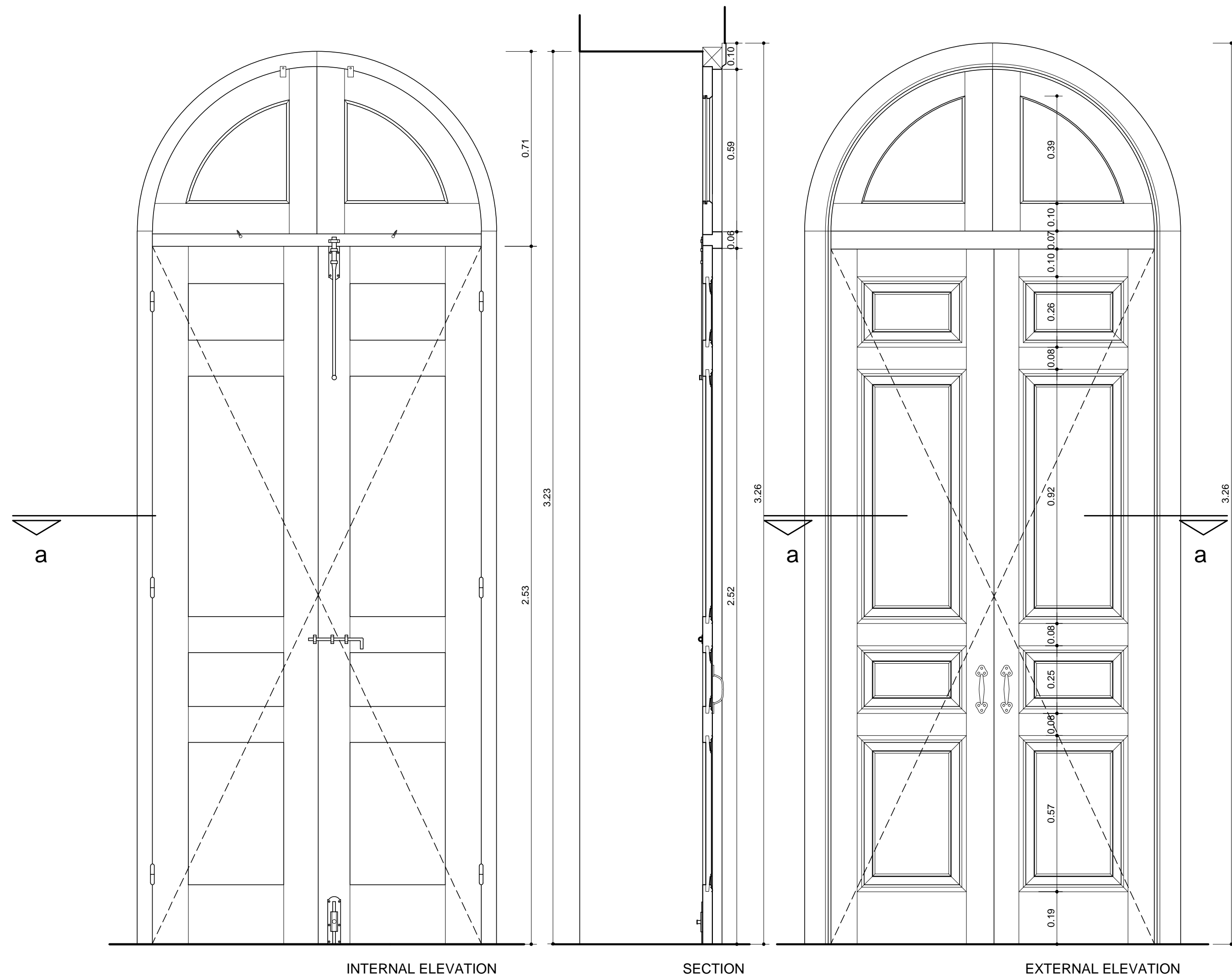
G. Dogani, antiquities conservator

A. Galanou, antiquities conservator

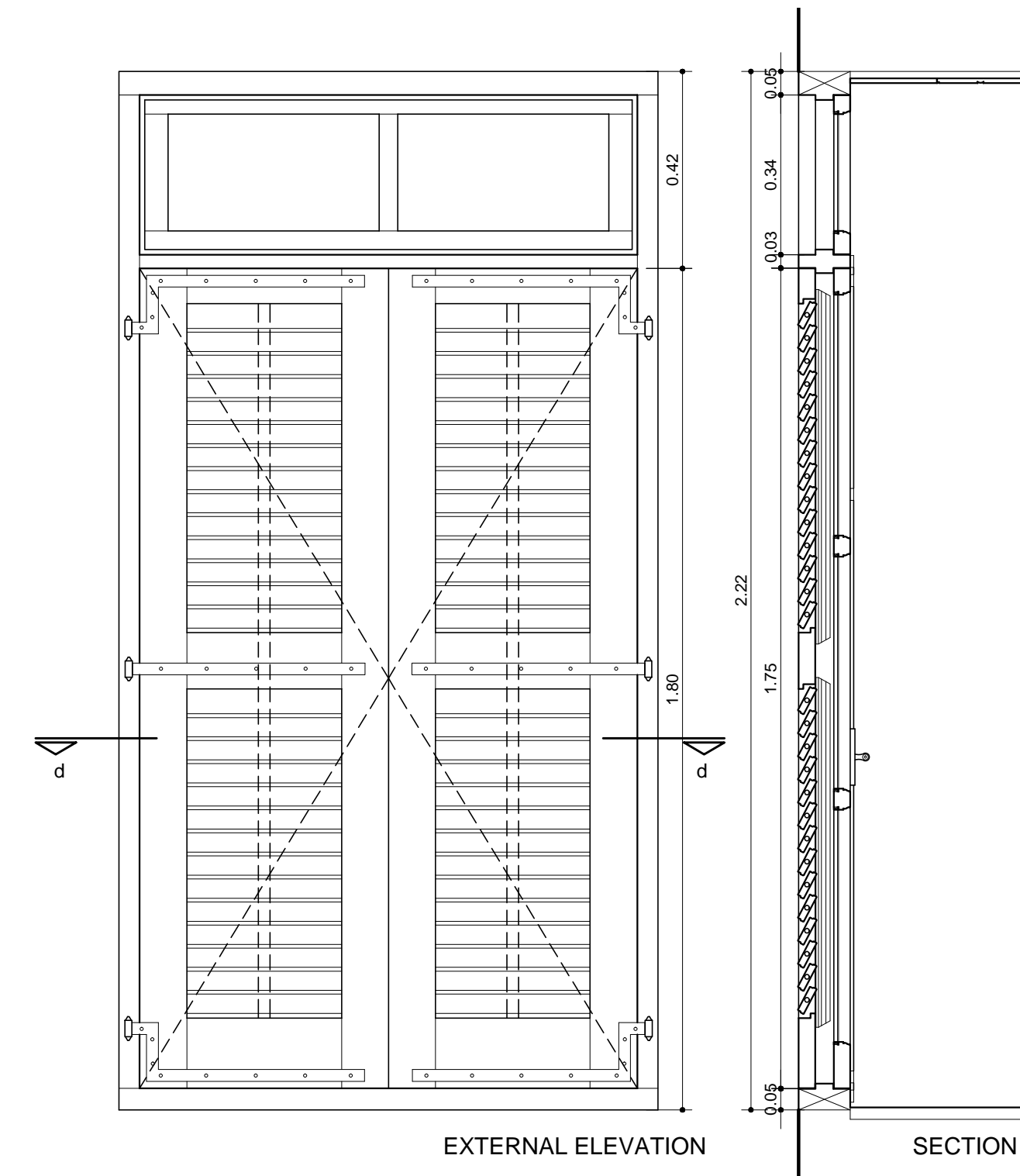
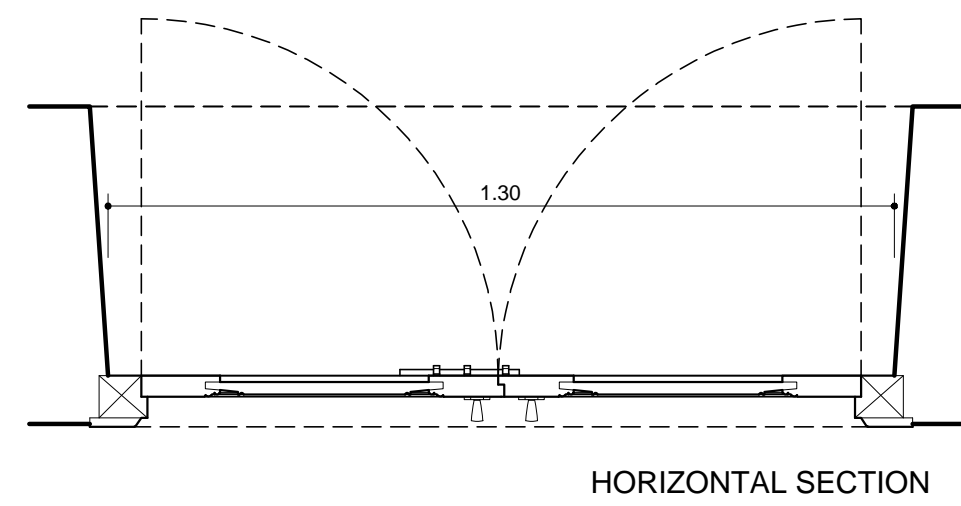
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DETAIL OF WOODEN CEILINGS  
Scale: 1:1

Date: April 2006

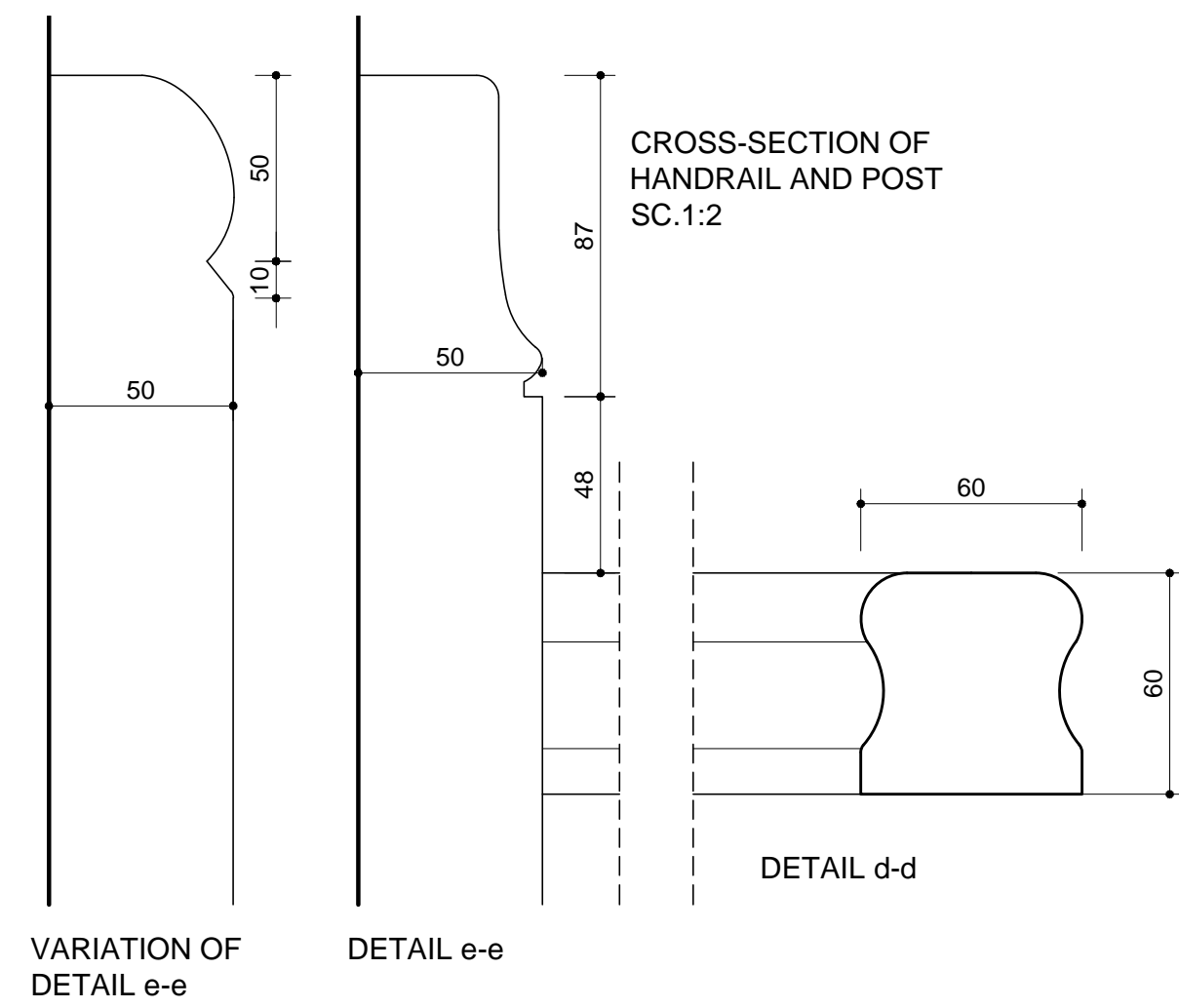
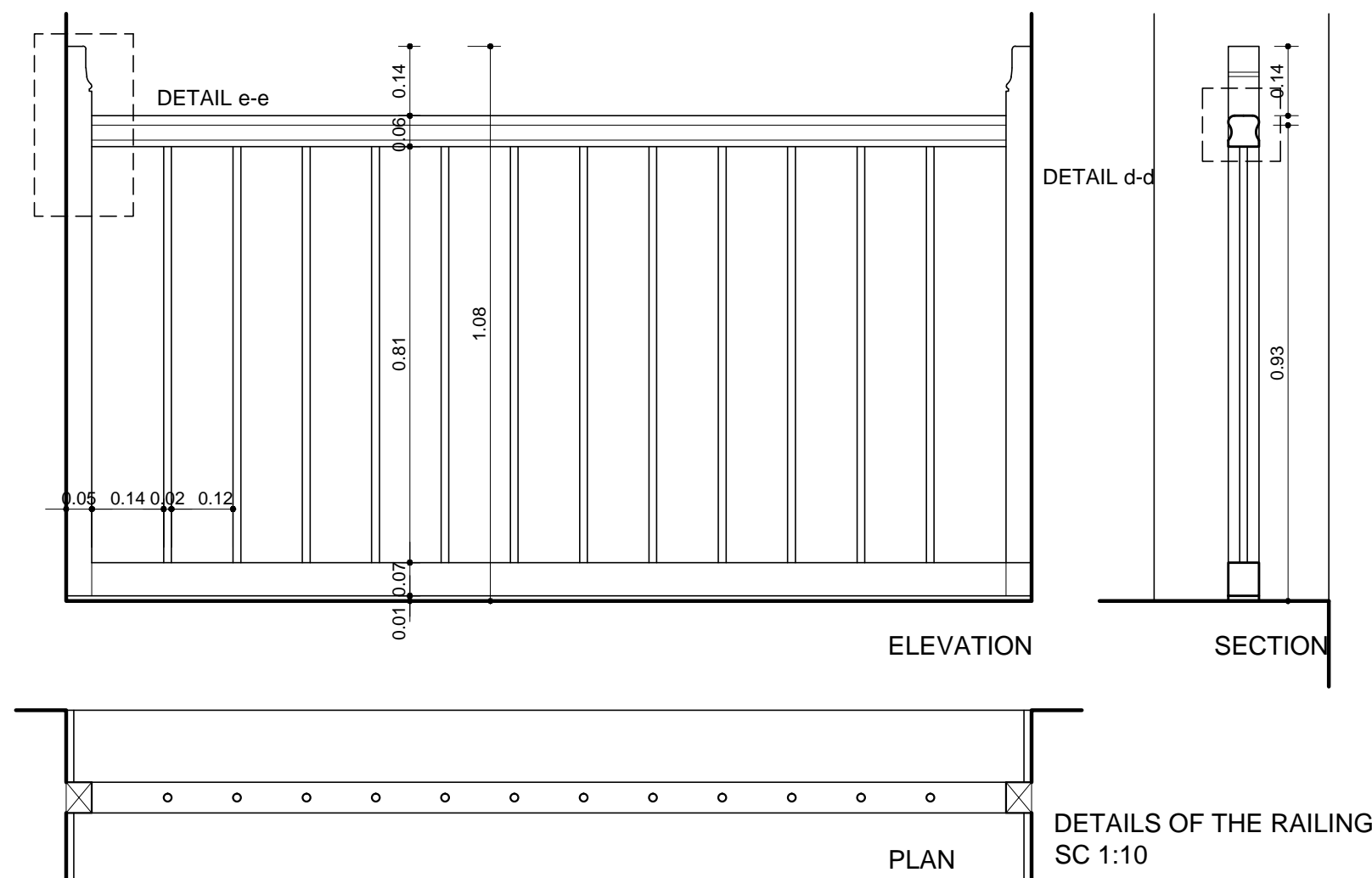
Plate number: GHE14



TYPICAL DOOR OF THE SOUTH ARCADE  
(3.D104.1, 3.D105.1, 3.D106.1, 3.D107.1,  
3.D108.1, 3.D109.1 & 3.D110.1)



TYPICAL WINDOW OF THE NORTH  
ELEVATION OF GERMAN TYPE  
(3.W104.4, 3.W104.5, 3.W105.2,  
3.W106.2, 3.W107.2, 3.W108.2,  
3.W109.2, 3.W110.5 & 3.W110.4)



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L. Vacanas, mechanical engineer  
Ch. Makris, quantity surveyor  
G. Dogani, antiquities conservator  
A. Galaniou, antiquities conservator

Title: EXISTING  
DETAILS OF DOORS, WINDOWS & RAILINGS A  
Scale: 1:12,5 & 1:2

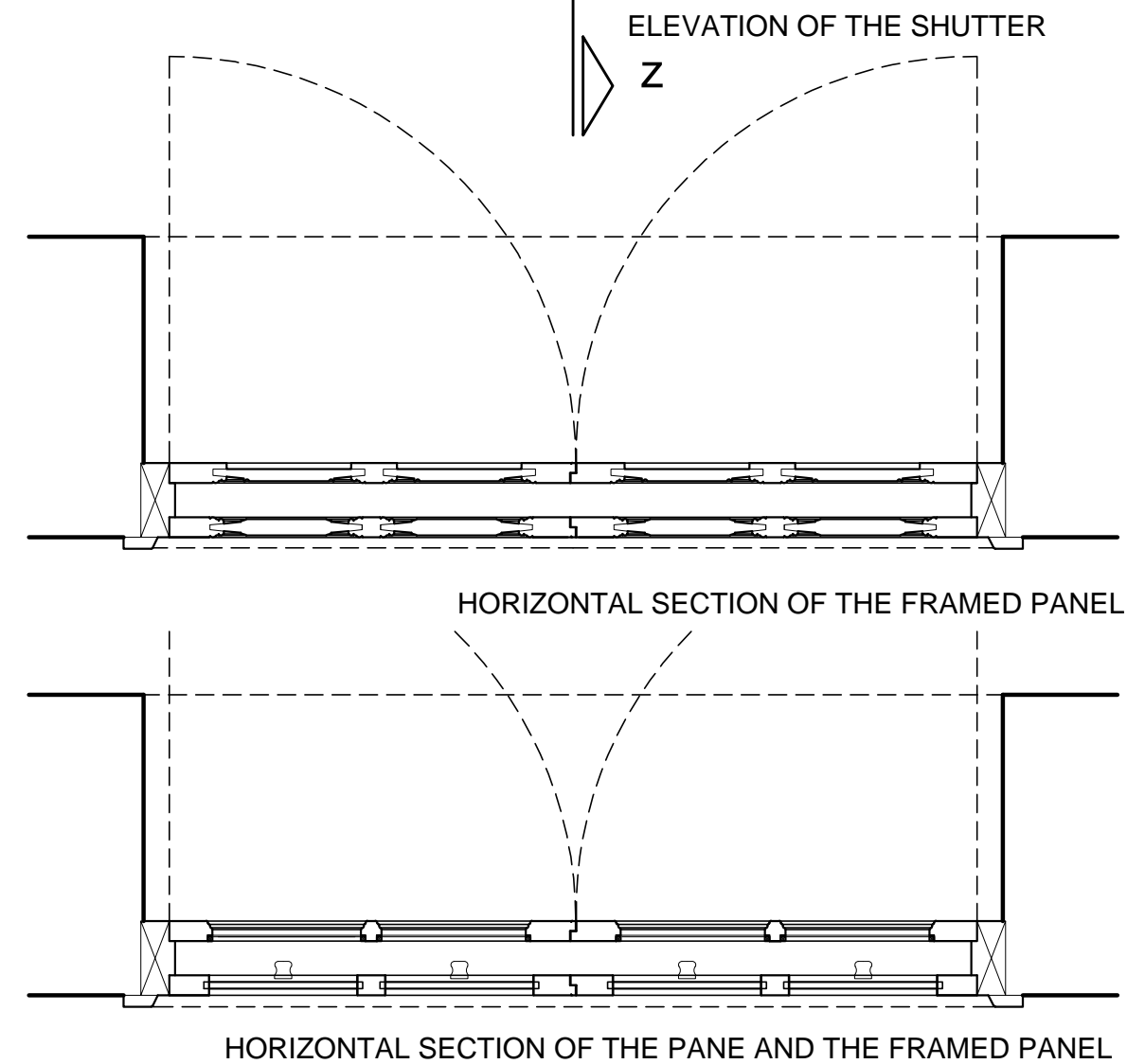
Date: April 2006

Plate number: **GHE15**





TYPICAL DOOR OF THE EAST & WEST ARCADE  
(3.D104.2, 3.D104.3, 3.D110.2 & 3.D110.3)



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L. Vacanas, mechanical engineer  
Ch. Makris, quantity surveyor  
G. Dogani, antiquities conservator  
A. Galaniou, antiquities conservator

Title: EXISTING  
DETAILS OF DOORS, WINDOWS & RAILINGS B  
Scale: 1:12,5 & 1:2  
Date: April 2006  
Plate number: **GHE16**

Technical drawing of a window frame assembly, showing cross-sections and dimensions. The drawing is divided into several sections by vertical dashed lines.

**Dimensions (mm):**

- Top section: 208 (total width), 140 (width of the main frame), 8 (width of the outer frame).
- Bottom section: 193 (total width), 145 (width of the main frame), 10 (width of the outer frame).
- Right section: 78 (width of the main frame), 45 (width of the outer frame).
- Bottom right section: 60, 44, 60 (widths of the main frame, outer frame, and outer frame).
- Other dimensions: 8, 20, 8 (widths of the main frame, outer frame, and outer frame), 10, 55, 10 (widths of the main frame, outer frame, and outer frame), 100, 40, 80 (widths of the main frame, outer frame, and outer frame).

The drawing illustrates the internal structure of the window frame, including the main frame, outer frame, and various internal components like the sash and glazing. The dimensions are provided in millimeters.

The image contains two architectural drawings of a door, labeled 'TYPICAL DOOR OF THE SOUTH ARCADE'.

The left drawing is an elevation view showing a door with a transom. The door has a width of 120 and a height of 10. The transom has a width of 85 and a height of 35. The door is shown in a closed position, with a handle and lock mechanism visible. The transom is supported by a frame that is 35 units high.

The right drawing is a section view showing the door and transom in a cross-section. The door has a thickness of 125 and a height of 115. The transom has a thickness of 125 and a height of 115. The door is shown in a closed position, with a handle and lock mechanism visible. The transom is supported by a frame that is 35 units high.

Technical drawing of a framed panel, showing horizontal and vertical sections with dimensions and labels.

**Horizontal Section (Top):**

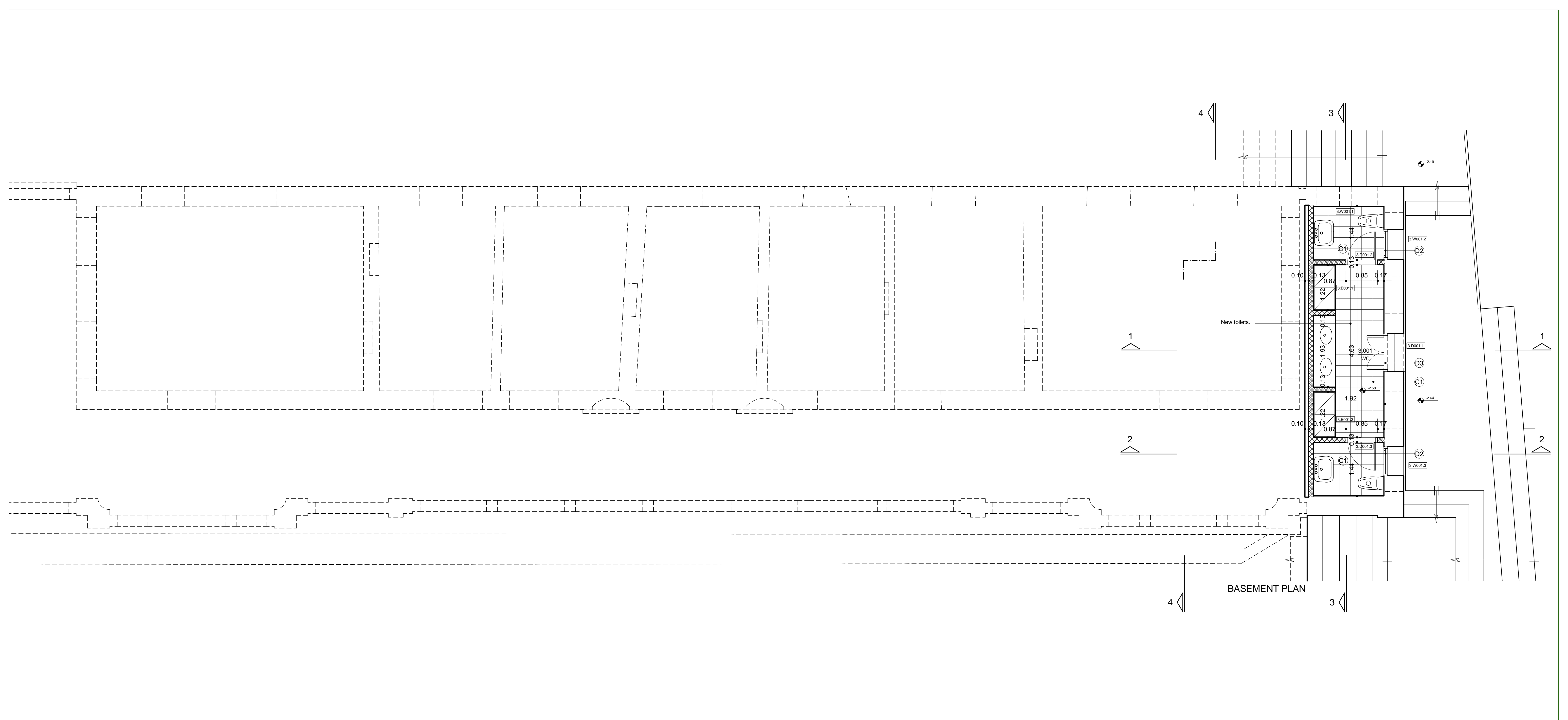
- Overall width: 218
- Left side dimensions: 60, 20, 95
- Right side dimensions: 80, 95, 10
- Section label: **HORIZONTAL SECTION OF THE FRAMED PANEL b-f**
- Scale: **SC.1:2**

**Vertical Section (Bottom):**

- Overall height: 130
- Left side dimensions: 50, 35, 60, 35
- Right side dimensions: 75, 260, 36, 260, 80, 70
- Section label: **VERTICAL SECTION OF THE FRAMED PANEL a-g**
- Scale: **SC.1:2**

The drawing includes detailed cross-sections of the panel, showing internal structure and components. Dimensions are provided in millimeters.

HORIZONTAL SECTION c-c OF THE PANE AND THE FRAMED PANEL  
SC.1:2



BASEMENT PLAN

concrete strength:  
C25/30 according to EN1992-1-1

reinforcing steel yield strength:  
fyk=500MPa according to EN1992-1-1

All Reinforcement with anti corrosion  
coating

- KEY
- Proposed structures
  - Concrete
  - Metal structural reinforcements  
(see civil engineer's study)
  - Timber reinforcing framework  
(see civil engineer's study)
  - Reinforcing plywood panels  
(v. civil engineer's study)
  - Removal of cement-based render
  - Repair of existing render/ new render
  - Pointing
  - Conservation of render
  - Demolition of render
  - Cast stone (mortar) repair
  - Stone replacement
  - Paint removal
  - Projection of rock boundary to the north

- Structural reinforcements**
- A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study)
- A2** Installation of perimeter L-shaped stainless steel at ceiling level, well anchored in the walls with stainless steel anchor M12 grade 8.8 of 0.35m length, every 0.75m
- A3** Installation of U-shaped stainless steel pair of beams at ceiling level for the structural connection of the long sides of the arcade (see civil engineer's study)
- A4** Addition of 8mm thick plywood panels over the ceilings for the improvement of the stiffness of the building
- A5** Addition of reinforcing timber framework in the bearing structure of the roof
- A6** Stitching of the masonry cracks
- General building construction works**
- B1** Construction of door in the position of an existing window
- B2** Unblocking of blocked window
- B3** Restoration of the roof tiles
- B4** Conservation of the original pointing and render
- B5** Conservation of the timber bearing structure of the roof involving surface conservation, replacement of eroded iron straps and addition of new stainless steel straps and screws
- Floors**
- C1** New concrete base 150mm thick and new floor of ceramic tiles (dim. 30\*30cm)
- C2** New concrete base 150mm thick and reconstruction of floor made of decorative cement tiles
- C3** New concrete base 150mm thick and Limassol stone slabs (dim. about 40\*40cm)
- C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards
- Joinery, doors & windows**
- D1** Restoration of the original window
- D2** Addition of window
- D3** Addition of door
- D4** Door permanently shut
- D5** Reconstruction of timber railings
- Electrical-mechanical installations**
- E1** Removal of incompatible electrical-mechanical installations

Implemented by the:

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United Nations Development Programme

Administrative Committee of the Holy Monastery of Apostolos Andreas Rizokarpasso, Cyprus

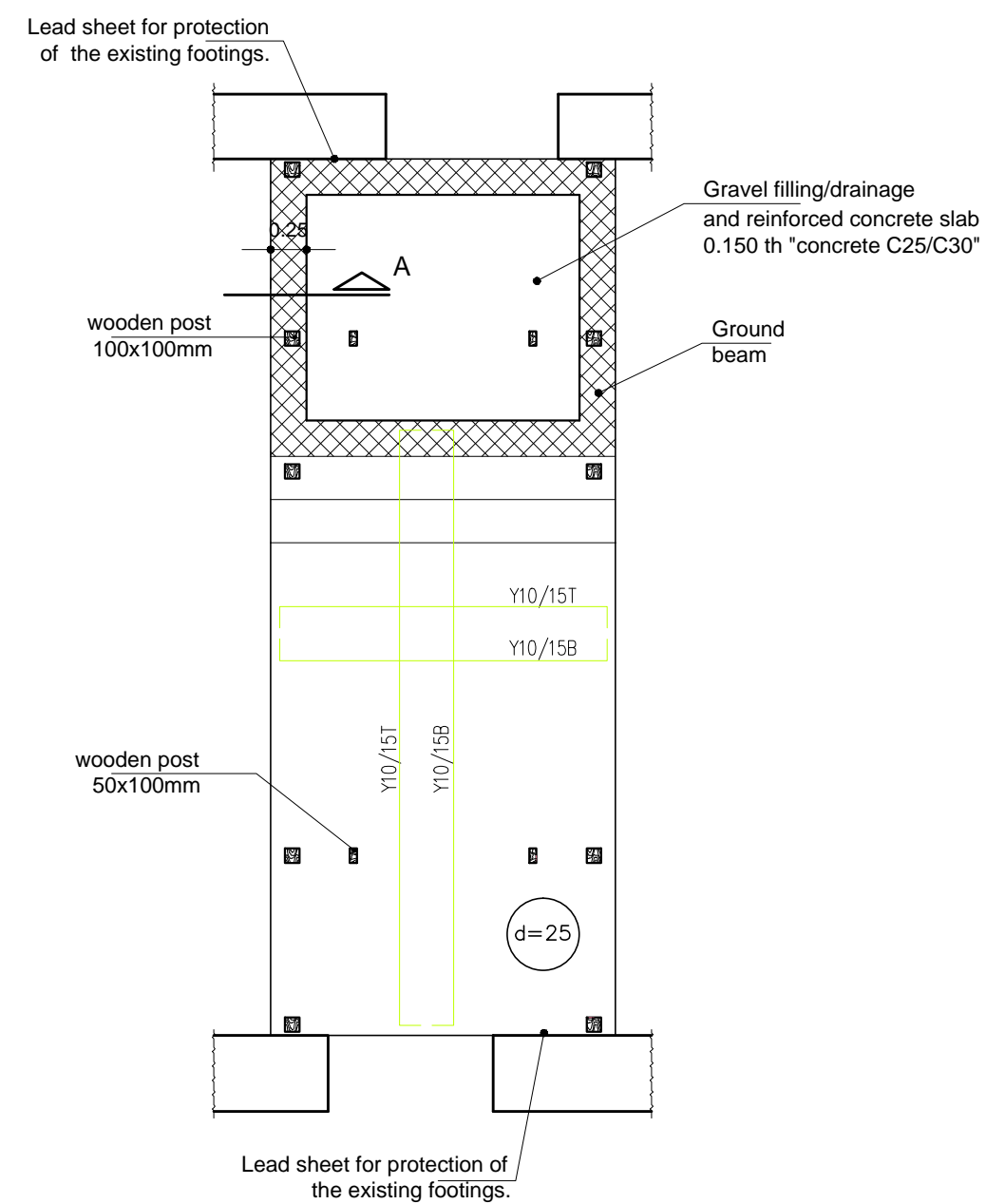
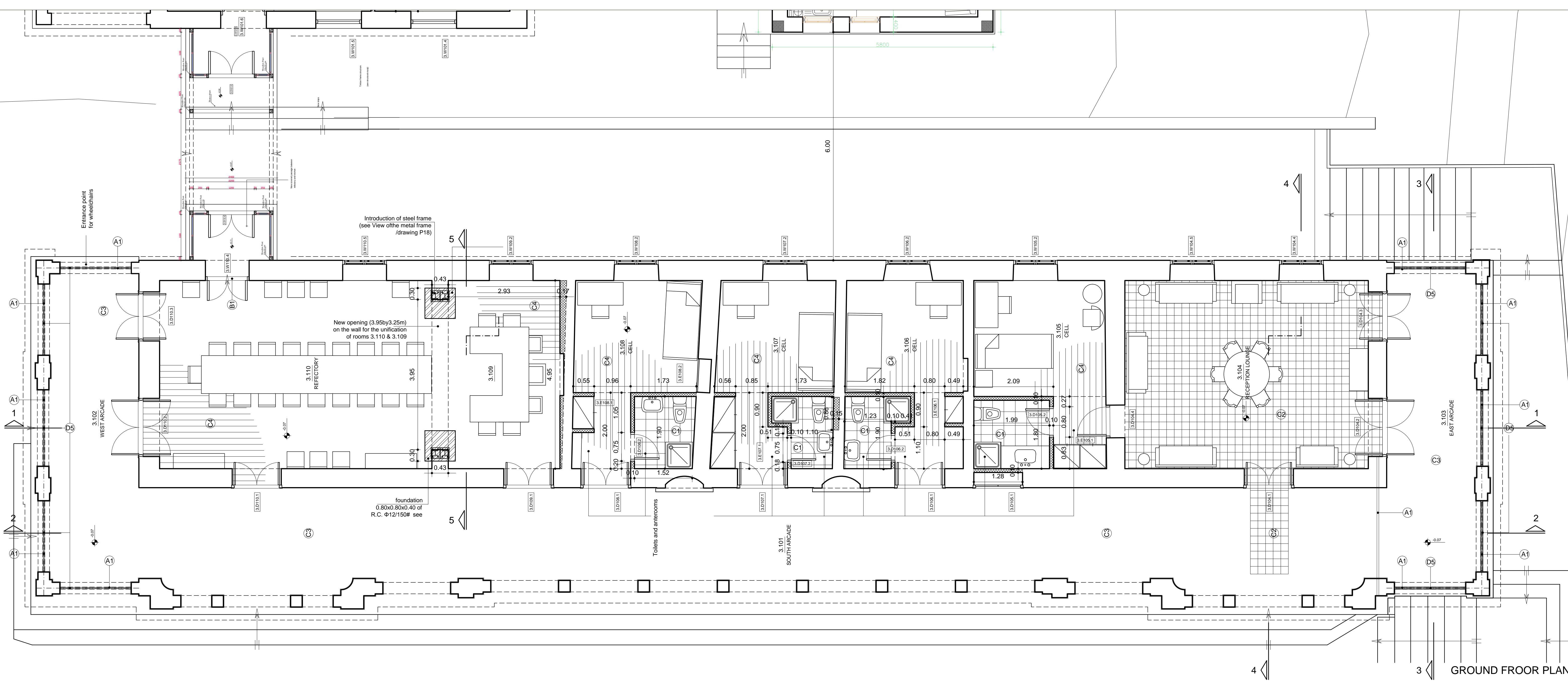
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PROJECT PHASE B :  
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GUEST HOUSE BUILDING (1919)(GH)

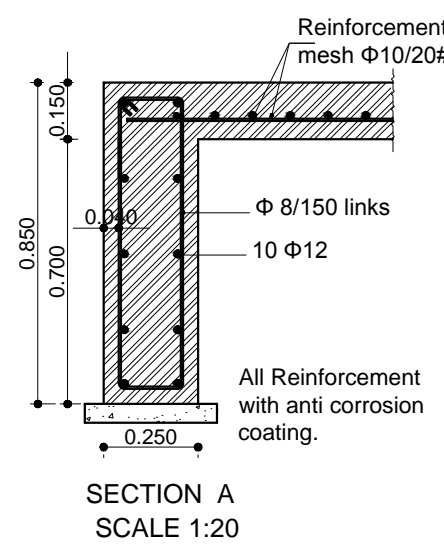
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G. Dogani, antiquities conservator  
A. Galanou, antiquities conservator

Title: PROPOSAL  
BASEMENT PLAN  
Scale: 1:50  
Date: April 2006  
Rev. February 2016  
Plate number: GHP01





PLAN OF LOAD BEARING STRUCTURE OF THE  
NEW COVERED PASSAGE BETWEEN REFECTORY  
AND KITCHEN SCALE 1:50



concrete strength:  
C25/30 according to EN1992-1-1  
reinforcing steel yield strength:  
fyk=500MPa according to EN1992-1-1  
All Reinforcement with anti corrosion  
coating

- KEY
- Proposed structures
  - Concrete
  - Metal structural reinforcements  
(see civil engineer's study)
  - Timber reinforcing framework  
(see civil engineer's study)
  - Reinforcing plywood panels  
(v. civil engineer's study)
  - Removal of cement-based render
  - Repair of existing render/ new render
  - Pointing
  - Conservation of render
  - Demolition of render
  - Cast stone (mortar) repair
  - Stone replacement
  - Paint removal
  - Projection of rock boundary to the north

- Structural reinforcements**
- A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study).
  - A2** Installation of perimetric L-shaped stainless steel at ceiling level, well anchored in the walls with stainless steel anchor M12 grade 8.8 of 0.35m length, every 0.75m.
  - A3** Installation of L-shaped stainless steel pair of beams at ceiling level for the structural connection of the long sides of the arcade (see civil engineer's study).
  - A4** Addition of 6mm thick plywood panels over the ceilings for the improvement of the stiffness of the building.
  - A5** Addition of reinforcing timber framework in the bearing structure of the roof.
  - A6** Stitching of the masonry cracks.
- General building construction works**
- B1** Construction of door in the position of an existing window.
  - B2** Unblocking of blocked window.
  - B3** Restoration of the roof tiles.
  - B4** Conservation of the original pointing and render.
  - B5** Conservation of the timber bearing structure of the roof involving surface conservation, replacement of eroded iron straps and addition of new stainless steel straps and screws.
- Floors**
- C1** New concrete base 150mm thick and new floor of ceramic tiles (dim. 30x30cm).
  - C2** New concrete base 150mm thick and reconstruction of floor made of decorative cement tiles.
  - C3** New concrete base 150mm thick and Limassol stone slabs (dim. about 40x40cm).
  - C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards.
- Joinery, doors & windows**
- D1** Restoration of the original window.
  - D2** Addition of window.
  - D3** Addition of door.
  - D4** Door permanently shut.
  - D5** Reconstruction of timber railings.
- Electrical-mechanical installations**
- E1** Removal of incompatible electrical-mechanical installations.

Implemented by the:  
UNDP  
United Nations Development Programme  
Cooperation with the Ministry of Culture

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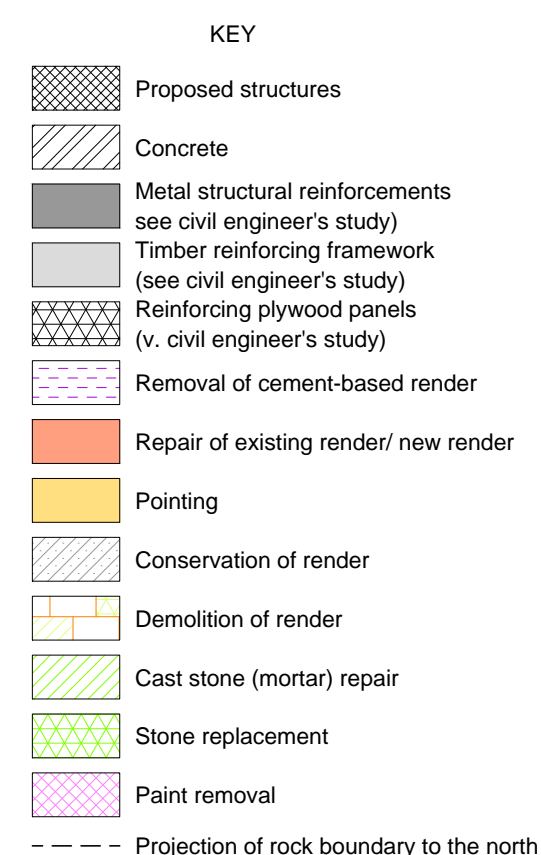
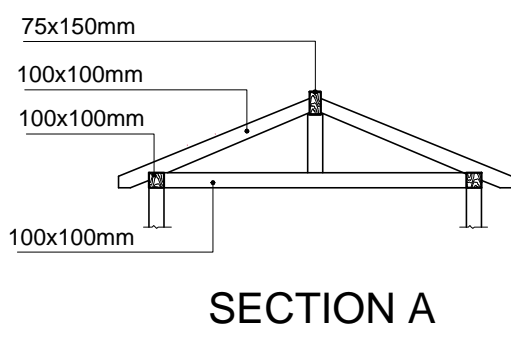
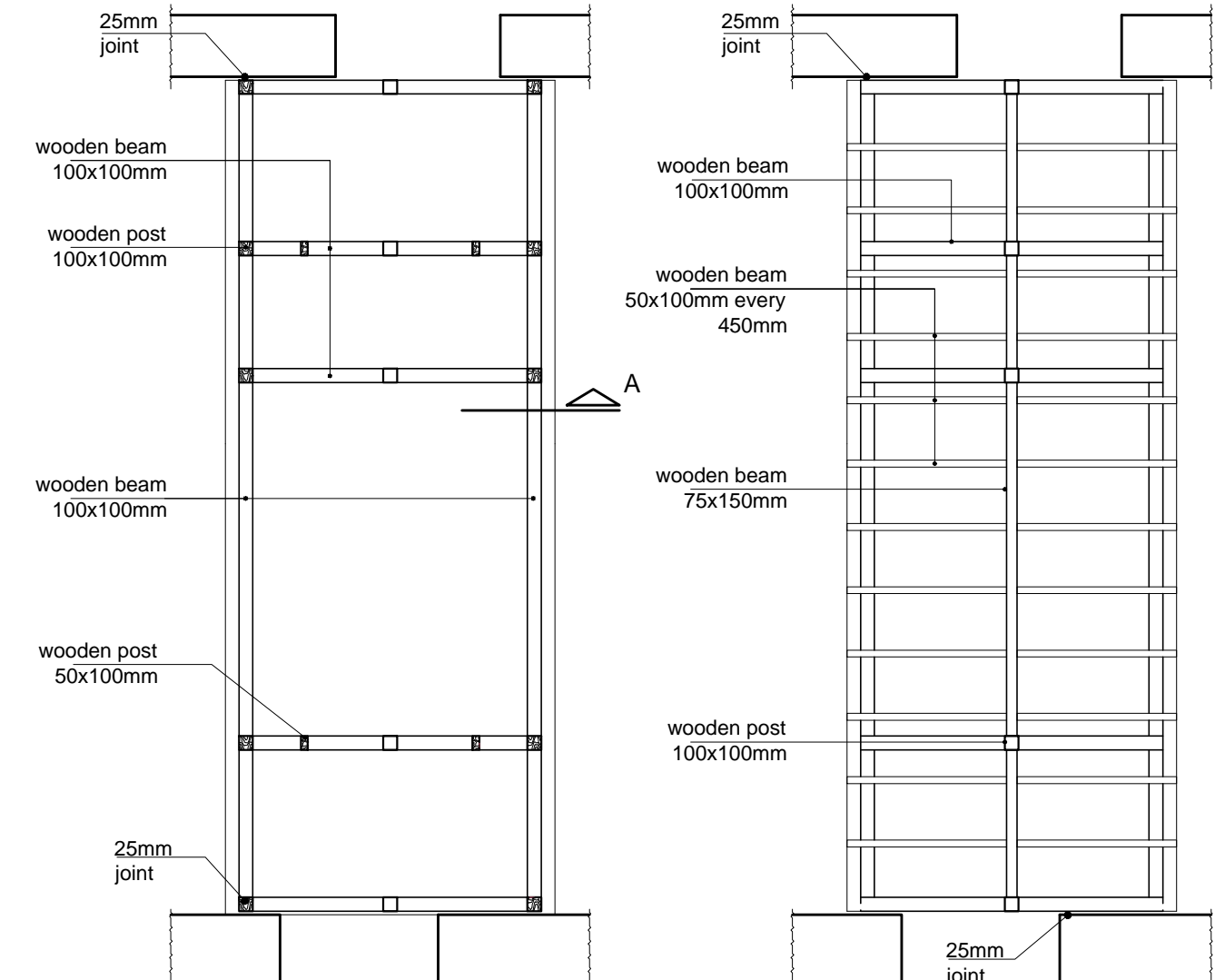
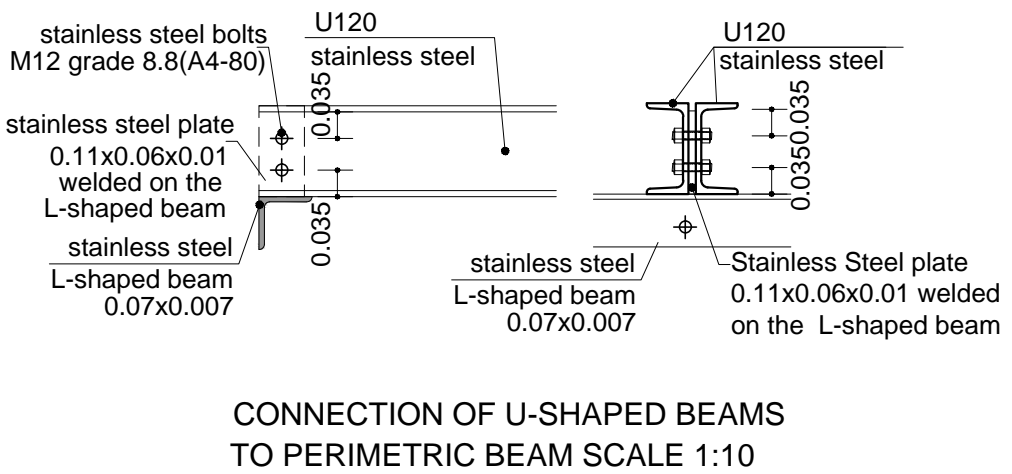
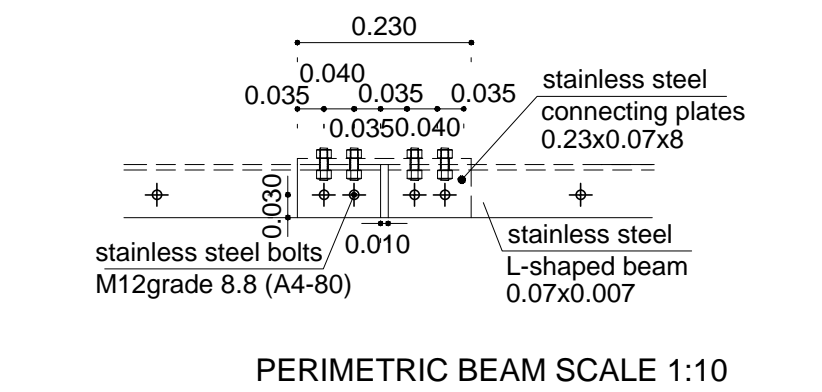
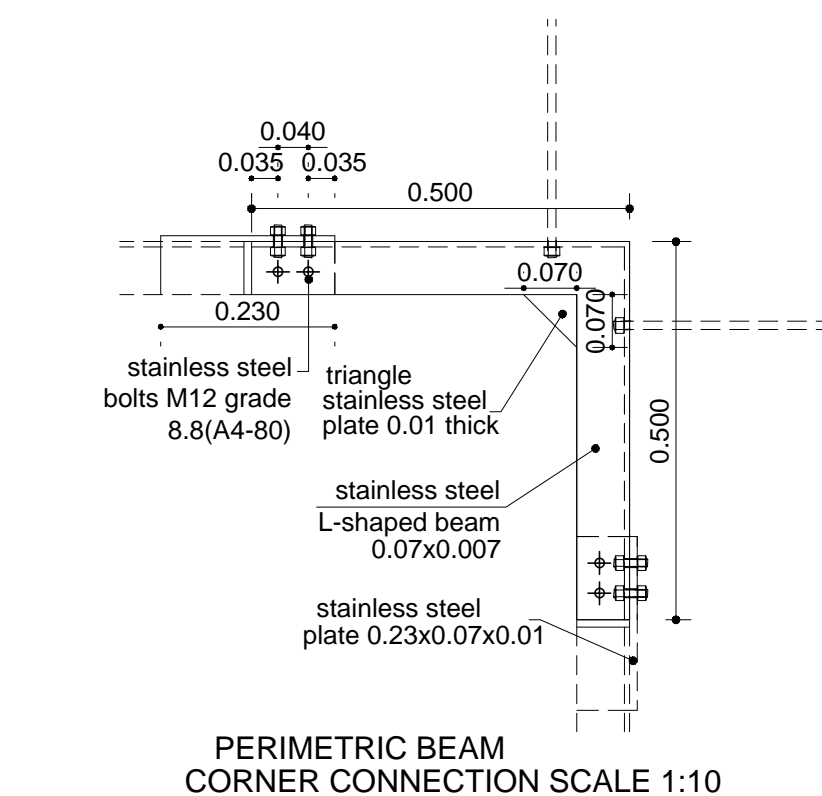
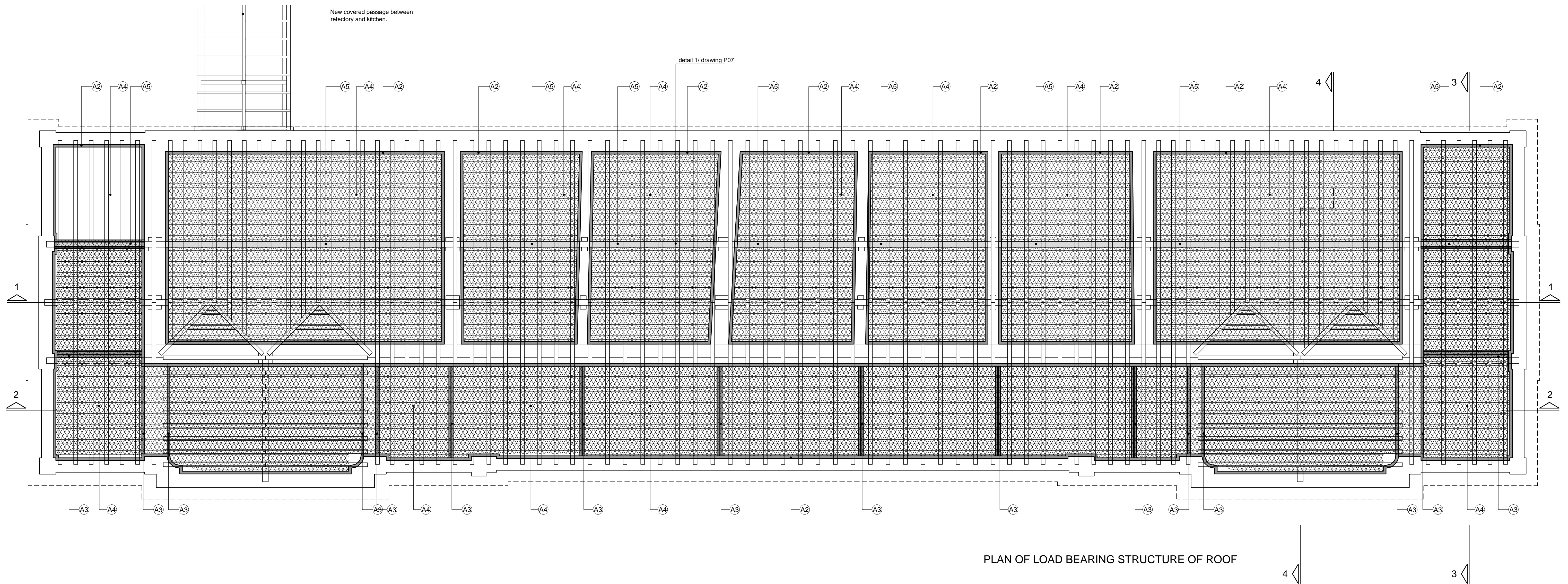
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Title: PROPOSAL  
GROUND FLOOR PLAN  
PASSAGE STRUCTURAL DETAILS  
Scale: 1:50, 1:20  
Date: April 2006  
Rev. February 2016  
Plate number: **GHP02**





**Structural reinforcements**  
**A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study)  
**A2** Installation of perimetric L-shaped stainless steel at ceiling level, well anchored in the walls with stainless steel anchor M12 grade 8.8 of 0.35m length, every 0.75m  
**A3** Installation of U-shaped stainless steel pair of beams at ceiling level for the structural connection of the long sides of the arcade (see civil engineer's study)  
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**A5** Addition of reinforcing timber framework in the bearing structure of the roof  
**A6** Stitching of the masonry cracks

**General building construction works**  
**B1** Construction of door in the position of an existing window  
**B2** Unblocking of blocked window  
**B3** Restoration of the roof tiles  
**B4** Conservation of the original pointing and render  
**B5** Conservation of the timber bearing structure of the roof involving surface conservation, replacement of eroded iron straps and addition of new stainless steel straps and screws

**Floors**  
**C1** New concrete base 150mm thick and new floor of ceramic tiles (dim. 30"x30cm)  
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**C3** New concrete base 150mm thick and Limassol stone slabs (dim. about 40"x40cm)  
**C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards

**Joinery, doors & windows**  
**D1** Restoration of the original window  
**D2** Addition of window  
**D3** Addition of door  
**D4** Door permanently shut  
**D5** Reconstruction of timber railings

**Electrical-mechanical installations**  
**E1** Removal of incompatible electrical-mechanical installations

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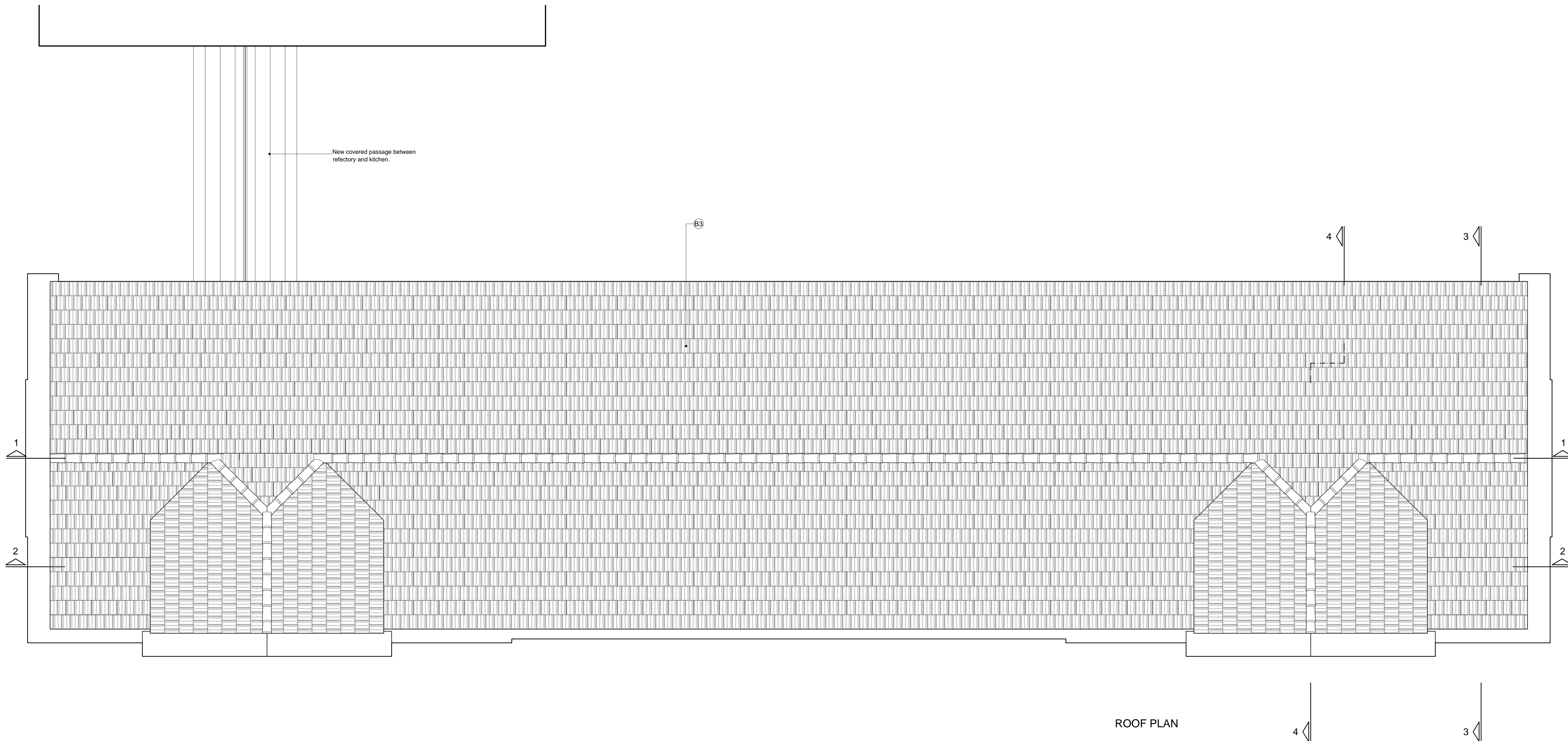
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Title: PROPOSAL  
PLAN OF BEARING STRUCTURE OF ROOF  
PASSAGE STRUCTURAL DETAILS  
Scale: 1:50, 1:10  
Date: April 2006  
Rev. February 2016  
Plate number: **GHP03**





ROOF PLAN

- KEY
- Proposed structures
  - Concrete
  - Metal structural reinforcements (see civil engineer's study)
  - Timber reinforcing framework (see civil engineer's study)
  - Reinforcing plywood panels (v. civil engineer's study)
  - Removal of cement-based render
  - Repair of existing render/ new render
  - Pointing
  - Conservation of render
  - Demolition of render
  - Cast stone (mortar) repair
  - Stone replacement
  - Paint removal
  - Projection of rock boundary to the north

**Structural reinforcements**

- A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study)
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- A5** Addition of reinforcing timber framework in the bearing structure of the roof
- A6** Stitching of the masonry cracks

**General building construction works**

- B1** Construction of door in the position of an existing window
  - B2** Unblocking of blocked window
  - B3** Restoration of the roof tiles
  - B4** Conservation of the original pointing and render
  - B5** Conservation of the timber bearing structure of the roof involving surface conservation, replacement of eroded iron straps and addition of new stainless steel straps and screws
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  - C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards

**Joinery, doors & windows**

- D1** Restoration of the original window
- D2** Addition of window
- D3** Addition of door
- D4** Door permanently shut
- D5** Reconstruction of timber railings

**Electrical-mechanical installations**

- E1** Removal of incompatible electrical-mechanical installations




Implemented by the:  
UNEP  
UNDP  
Collaboration with the Ministry of Culture

**ADMINISTRATIVE COMMITTEE  
OF THE HOLY MONASTERY  
OF APOSTOLOS ANDREAS  
RIZOKARPASSO, CYPRUS**

RESEARCH PROGRAMM FOR THE  
RESTORATION AND REHABILITATION  
OF THE HISTORIC BUILDING COMPLEX  
AND RECONFIGURATION OF THE  
ENVIRONMENT OF THE MONASTERY

**PROJECT PHASE B :  
IMPLEMENTATION  
GUEST HOUSE BUILDING (1919)(GH)**



**UNIVERSITY OF PATRAS  
SCHOOL OF ENGINEERING  
DEPARTMENT OF ARCHITECTURE  
LABORATORY OF URBAN  
AND REGIONAL PLANNING**  
Director : Professor N.D. Polydorides  
Main Researcher :  
P.M. Koutoupoulos, Assistant Professor  
Scientific advisors :  
S.V. Marmaloukos, Assistant Professor  
D.M. Myrianthefs, architect-restorer  
M.M. Myrianthefs, architect-restorer  
Collaborators :  
N. Kalathas, civil engineer  
G. Demetriades, civil engineer  
O. Monogios, electrical engineer  
L. Vacanas, mechanical engineer  
Ch. Makris, quantity surveyor  
G. Dogani, antiquities conservator  
A. Galanou, antiquities conservator

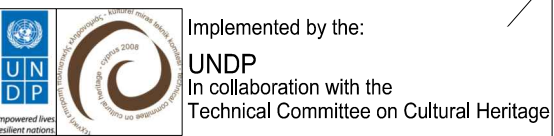
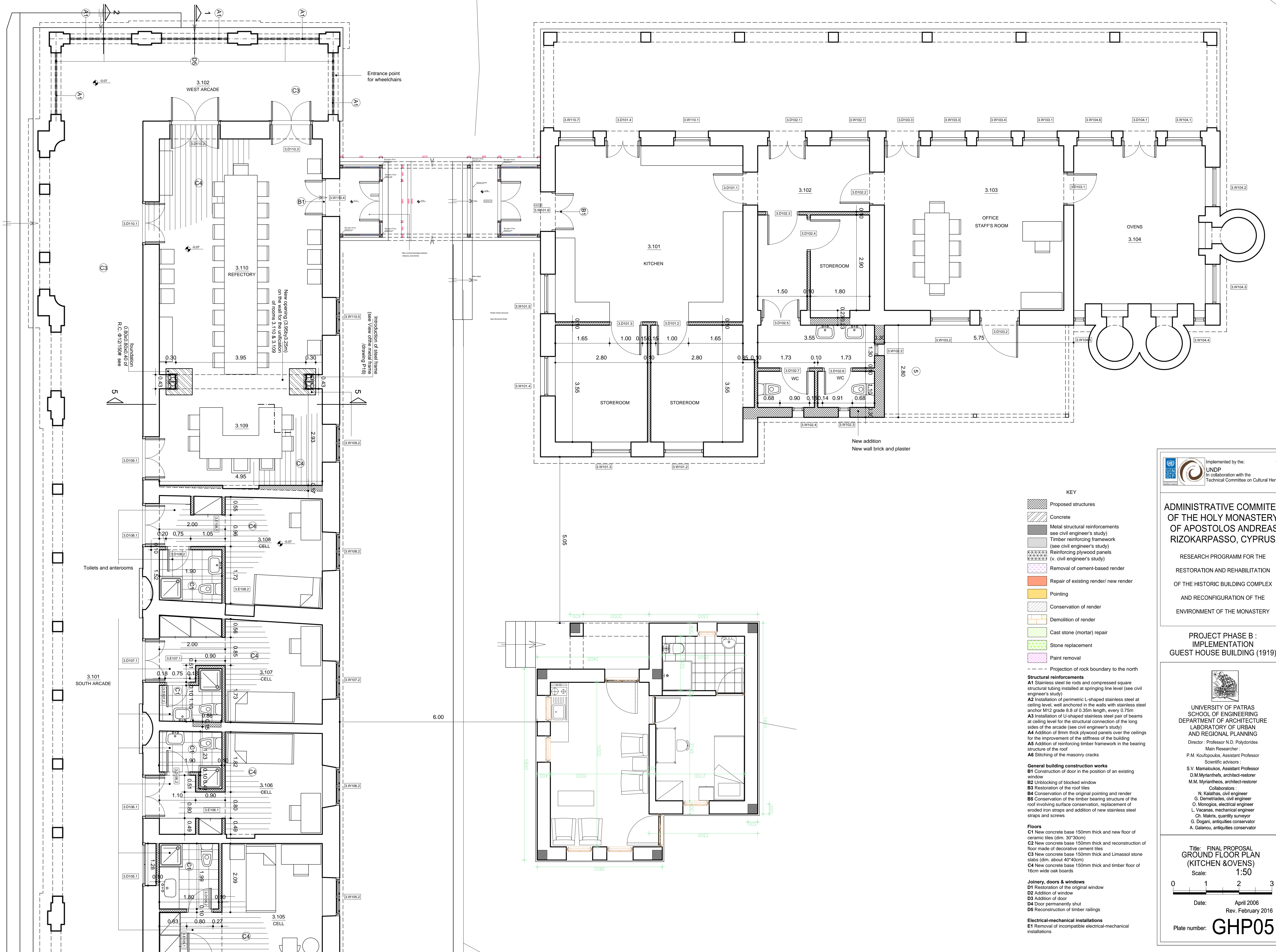
Title: PROPOSAL  
ROOF PLAN

Scale: 1:50

Date: April 2006  
Rev. February 2016

Plate number: **GHP04**

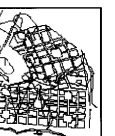




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PROJECT PHASE B :  
IMPLEMENTATION  
GUEST HOUSE BUILDING (1919)



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G. Dogani, antiquities conservator  
A. Galaniou, antiquities conservator

Title: FINAL PROPOSAL  
GROUND FLOOR PLAN  
(KITCHEN & OVENS)  
Scale: 1:50

Date: April 2006  
Rev. February 2016

Plate number: GHP05

- KEY
- Proposed structures
  - Concrete
  - Metal structural reinforcements (see civil engineer's study)
  - Timber reinforcing framework (see civil engineer's study)
  - Reinforcing plywood panels (v. civil engineer's study)
  - Removal of cement-based render
  - Repair of existing render/ new render
  - Pointing
  - Conservation of render
  - Demolition of render
  - Cast stone (mortar) repair
  - Stone replacement
  - Paint removal
- Projection of rock boundary to the north

**Structural reinforcements**  
**A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study)  
**A2** Installation of perimetric L-shaped stainless steel at ceiling level, well anchored in the walls with stainless steel anchor M12 grade 5.8 of 0.35m length, every 0.75m  
**A3** Installation of U-shaped stainless steel pair of beams at ceiling level for the structural connection of the long sides of the arcade (see civil engineer's study)  
**A4** Addition of 8mm thick plywood panels over the ceilings for the improvement of the stiffness of the building  
**A5** Addition of reinforcing timber framework in the bearing structure of the roof  
**A6** Stitching of the masonry cracks

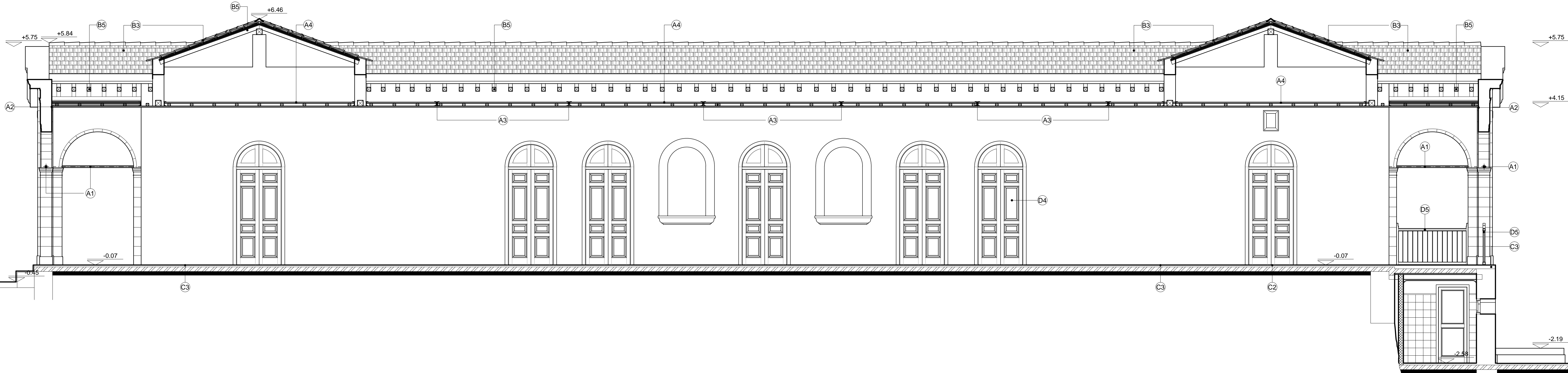
**General building construction works**  
**B1** Construction of door in the position of an existing window  
**B2** Unblocking of blocked window  
**B3** Restoration of the roof tiles  
**B4** Conservation of the original pointing and render  
**B5** Conservation of the timber bearing structure of the roof involving surface conservation, replacement of eroded iron straps and addition of new stainless steel straps and screws

**Floors**  
**C1** New concrete base 150mm thick and new floor of ceramic tiles (dim. 30x30cm)  
**C2** New concrete base 150mm thick and reconstruction of floor made of decorative cement tiles  
**C3** New concrete base 150mm thick and Limassol stone slabs (dim. about 40x40cm)  
**C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards

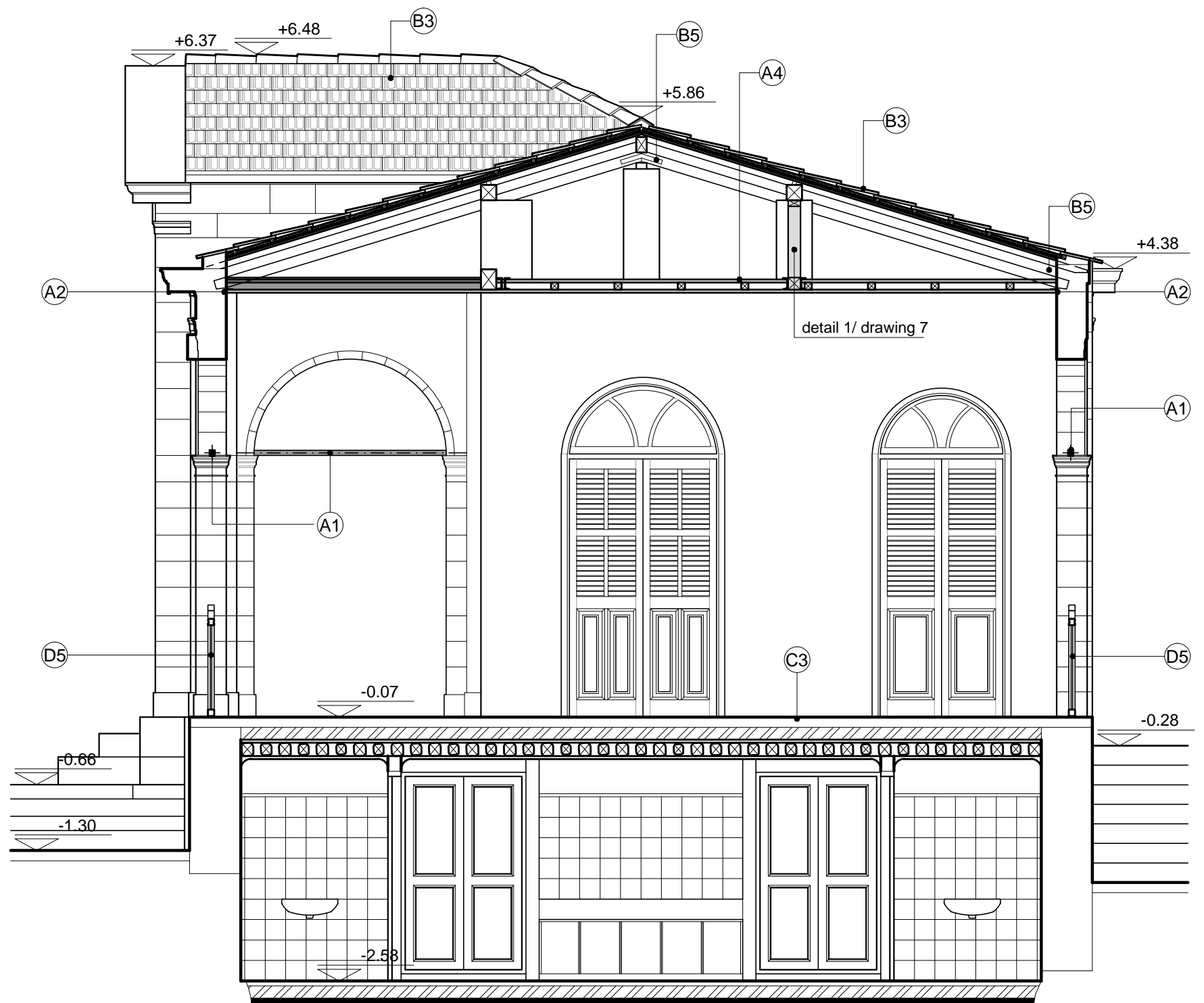
**Joinery, doors & windows**  
**D1** Restoration of the original window  
**D2** Addition of window  
**D3** Addition of door  
**D4** Door permanently shut  
**D5** Reconstruction of timber railings

**Electrical-mechanical installations**  
**E1** Removal of incompatible electrical-mechanical installations





SECTION 2-2



SECTION 3-3

KEY

- Proposed structures
- Concrete
- Metal structural reinforcements (see civil engineer's study)
- Timber reinforcing framework (see civil engineer's study)
- Reinforcing plywood panels (v. civil engineer's study)
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Paint removal
- Projection of rock boundary to the north

**Structural reinforcements**

**A1** Stainless steel tie rods and compressed square structural tubing installed at springing line level (see civil engineer's study)

**A2** Installation of perimetric L-shaped stainless steel at ceiling level, well anchored in the walls with stainless steel anchor M12 grade 8.8 of 0.35m length, every 0.75m

**A3** Installation of U-shaped stainless steel pair of beams at ceiling level for the structural connection of the long sides of the arcade (see civil engineer's study)

**A4** Addition of 6mm thick plywood panels over the ceilings for the improvement of the stiffness of the building

**A5** Addition of reinforcing timber framework in the bearing structure of the roof

**A6** Stitching of the masonry cracks

**General building construction works**

**B1** Construction of door in the position of an existing window

**B2** Unblocking of blocked window

**B3** Restoration of the roof tiles

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**Floors**

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**C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards

**Joinery, doors & windows**

**D1** Restoration of the original window

**D2** Addition of window

**D3** Addition of door

**D4** Door permanently shut

**D5** Reconstruction of timber railings

**Electrical-mechanical installations**

**E1** Removal of incompatible electrical-mechanical installations

Implemented by the:  
UNDP  
In collaboration with the  
Technical Committee on Cultural Heritage

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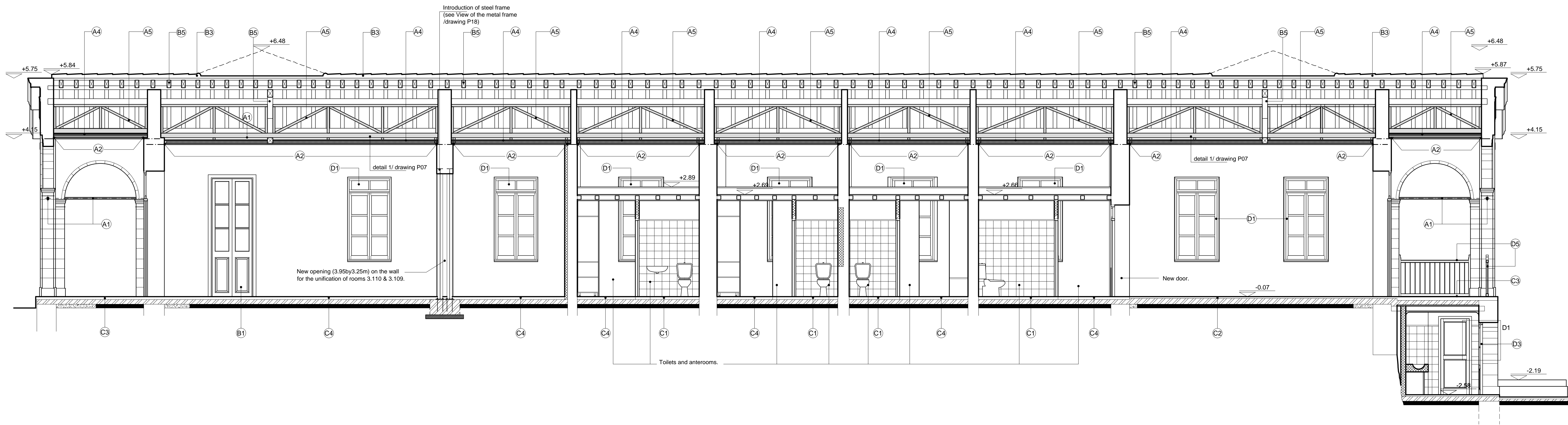
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PROJECT PHASE B :  
IMPLEMENTATION  
GUEST HOUSE BUILDING (1919)(GH)

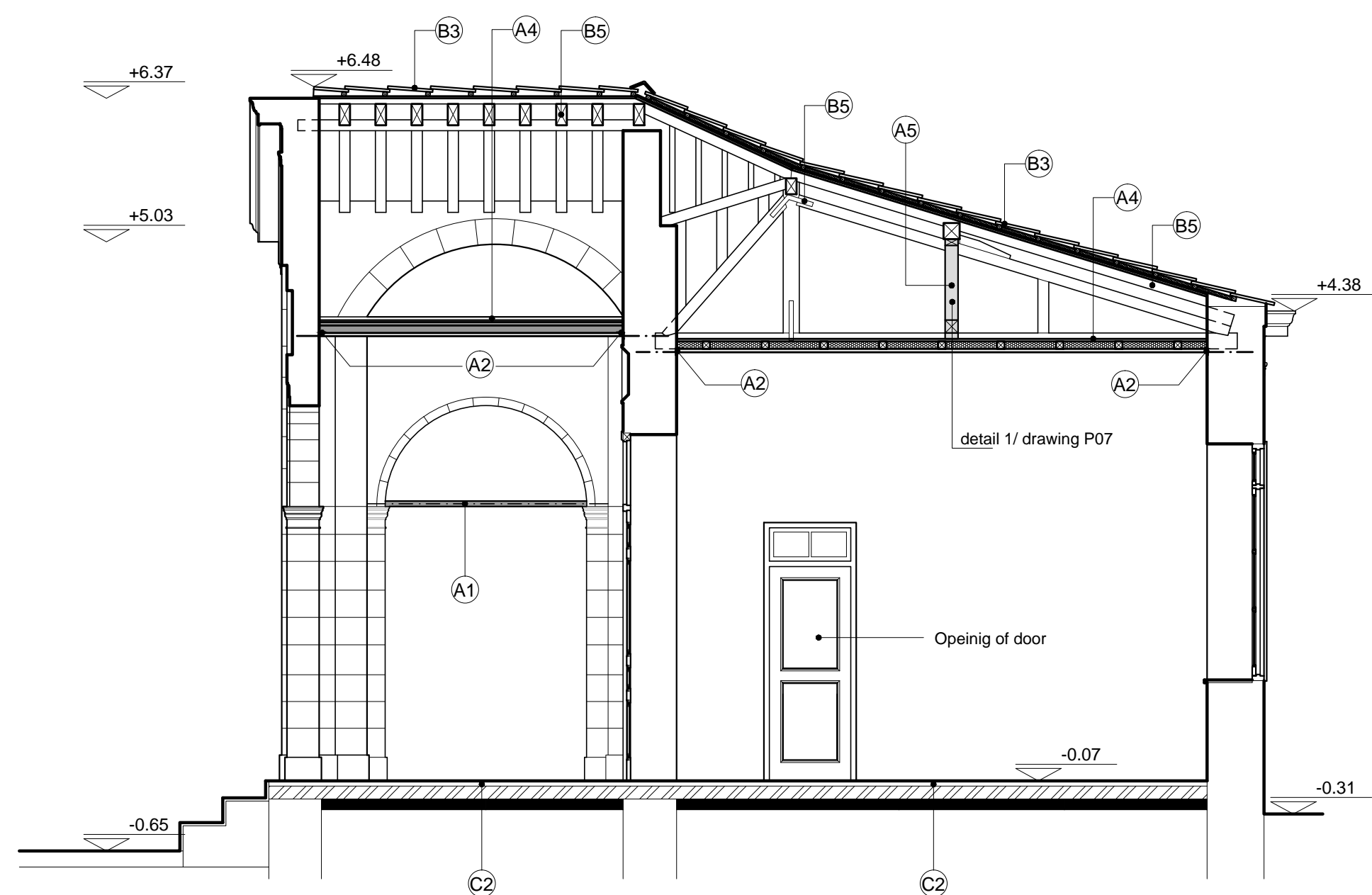
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A. Galaniou, antiquities conservator

Title: PROPOSAL  
SECTIONS 2-2 & 3-3  
Scale: 1:50  
Date: April 2006  
Rev. February 2016  
Plate number: GHP06

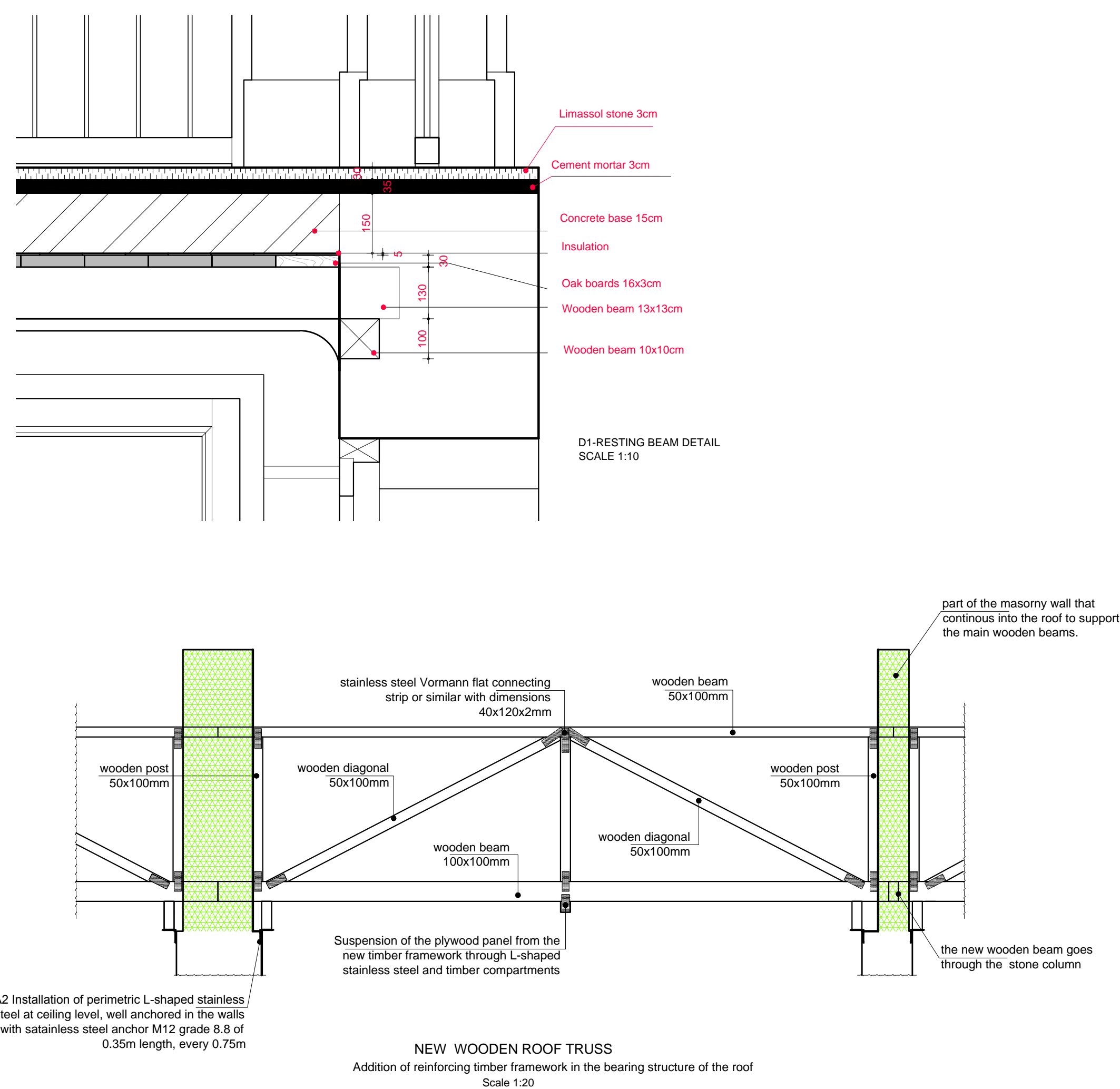




SECTION 1-1

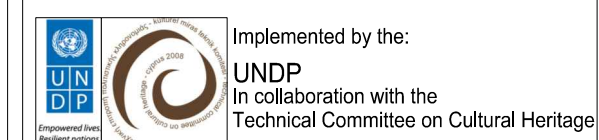


SECTION 4-4



NEW WOODEN ROOF TRUSS  
Addition of reinforcing timber framework in the bearing structure of the roof  
Scale 1:20

- KEY**
- Proposed structures
  - Concrete
  - Metal structural reinforcements (see civil engineer's study)
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  - Reinforcing plywood panels (v. civil engineer's study)
  - Removal of cement-based render
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- General building construction works**
- B1** Construction of door in the position of an existing window
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- C1** New concrete base 150mm thick and new floor of ceramic tiles (dim. 30x30cm)
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  - C4** New concrete base 150mm thick and timber floor of 16cm wide oak boards
- Joinery, doors & windows**
- D1** Restoration of the original window
  - D2** Addition of window
  - D3** Addition of door
  - D4** Door permanently shut
  - D5** Reconstruction of timber railings
- Electrical-mechanical installations**
- E1** Removal of incompatible electrical-mechanical installations



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A. Galaniou, antiquities conservator

Title: PROPOSAL  
SECTIONS 1-1 & 4-4  
NEW WOODEN ROOF TRUSS  
RESTING BEAM DETAIL  
Scale: 1:50, 1:20, 1:10



Date: April 2006  
Rev. February 2016

Plate number: **GHP07**