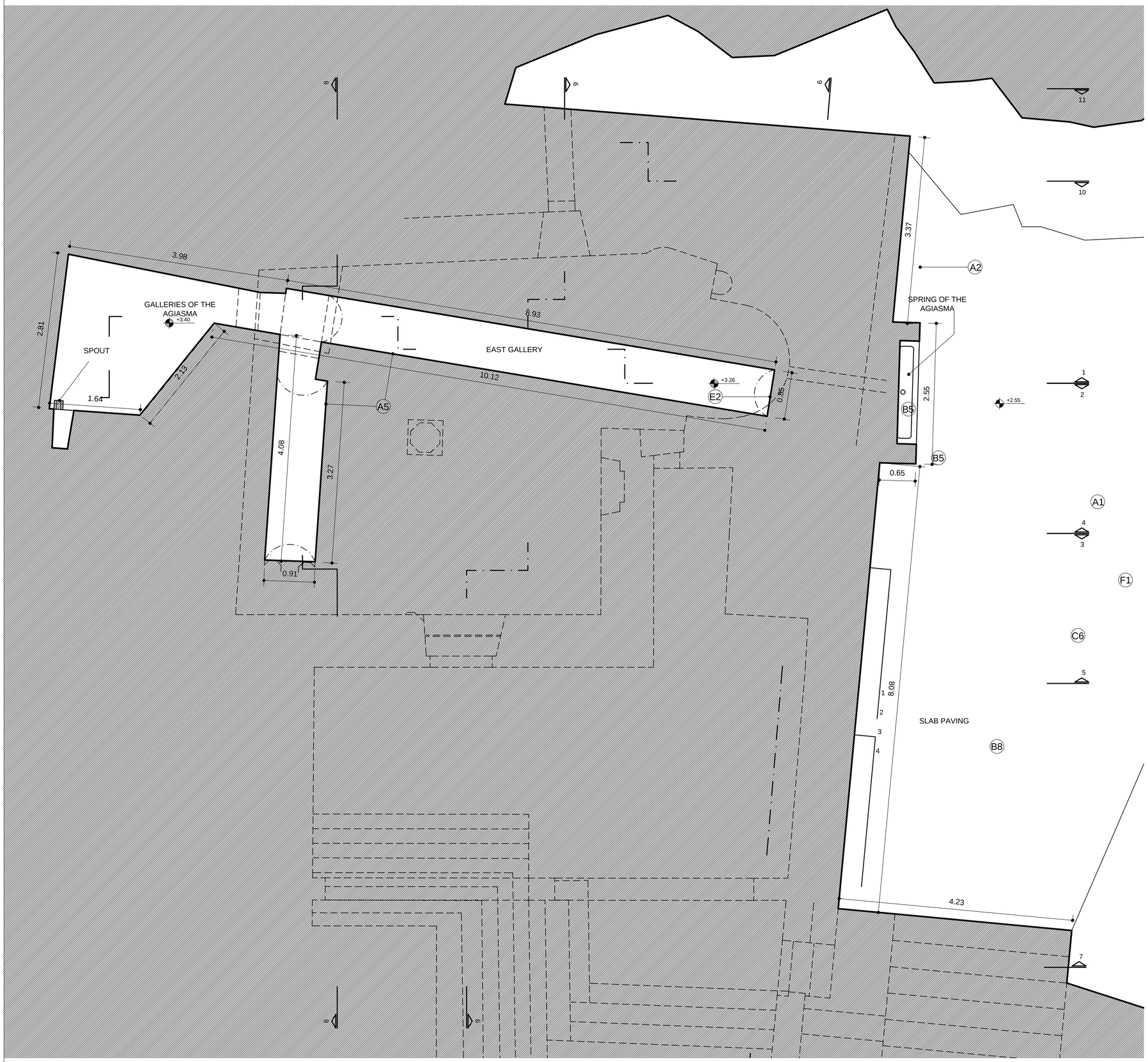


KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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

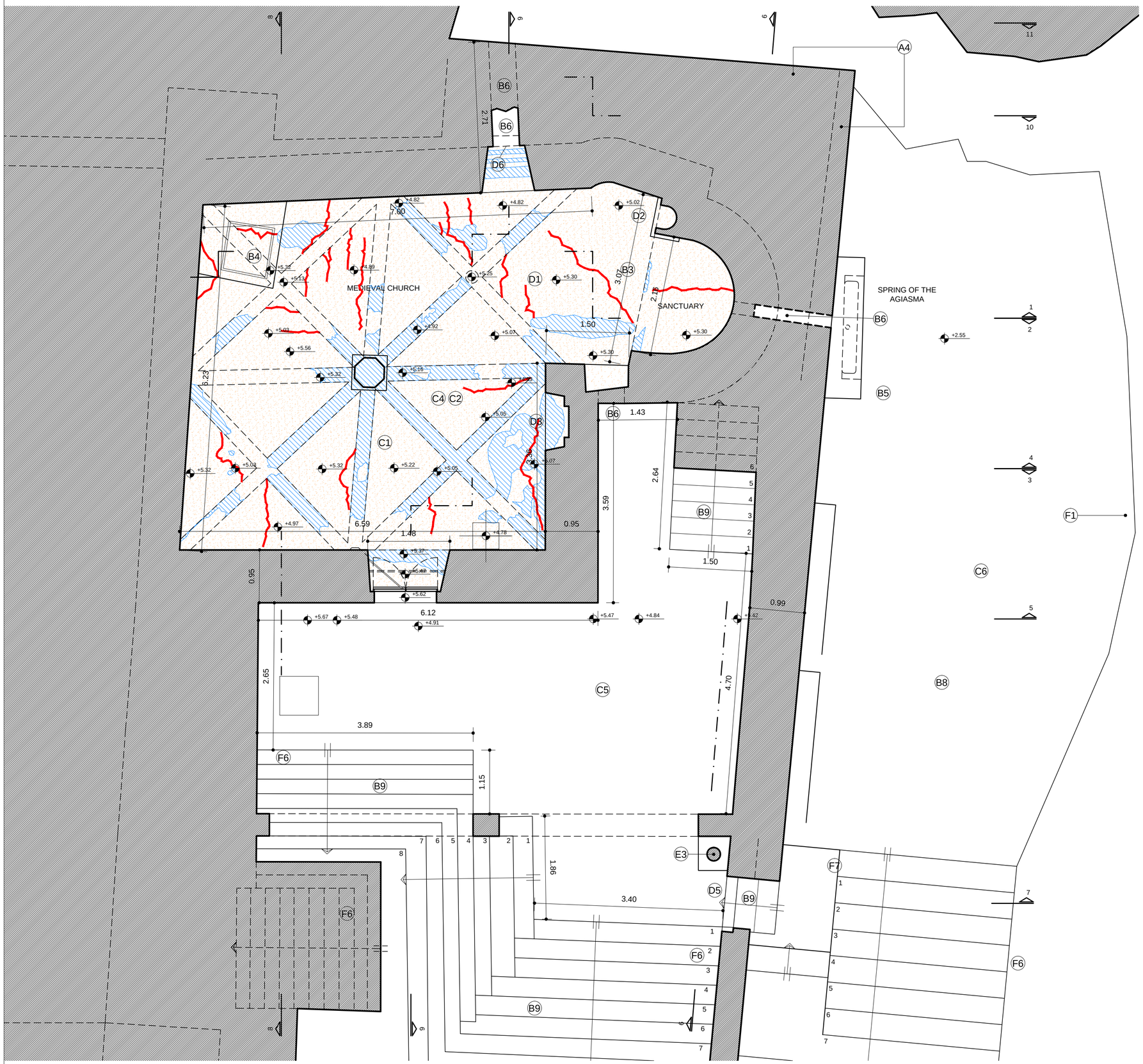
Title: EXISTING
PLAN OF LEVEL A'

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE01



KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement (see structural study)
A2 Differential settlement of foundation (see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings

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

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

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

PROJECT PHASE B: IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
PLAN OF LEVEL B'

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE02

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
PLAN OF LEVEL C'

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE03

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

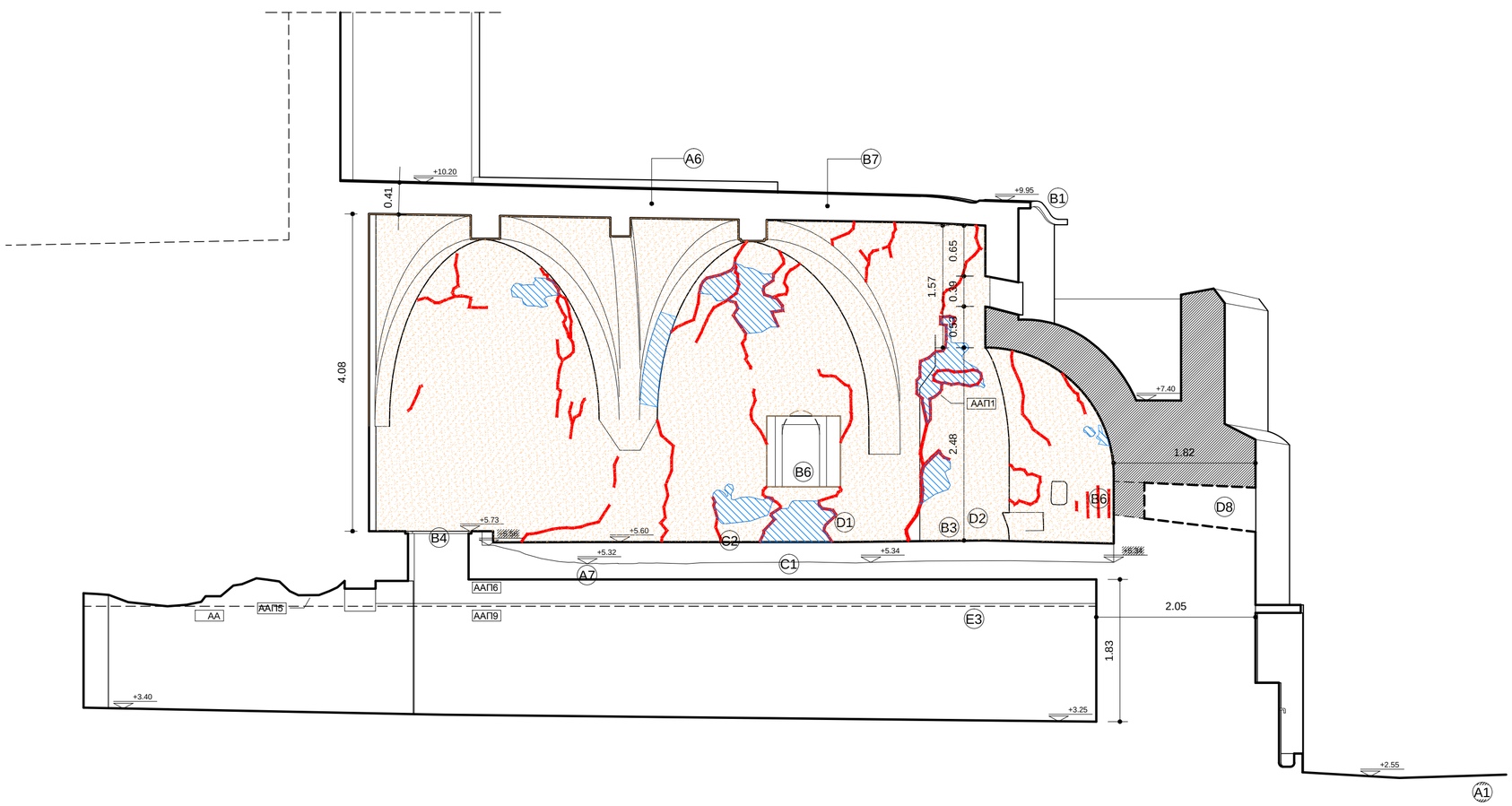
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 1-1

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE04

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

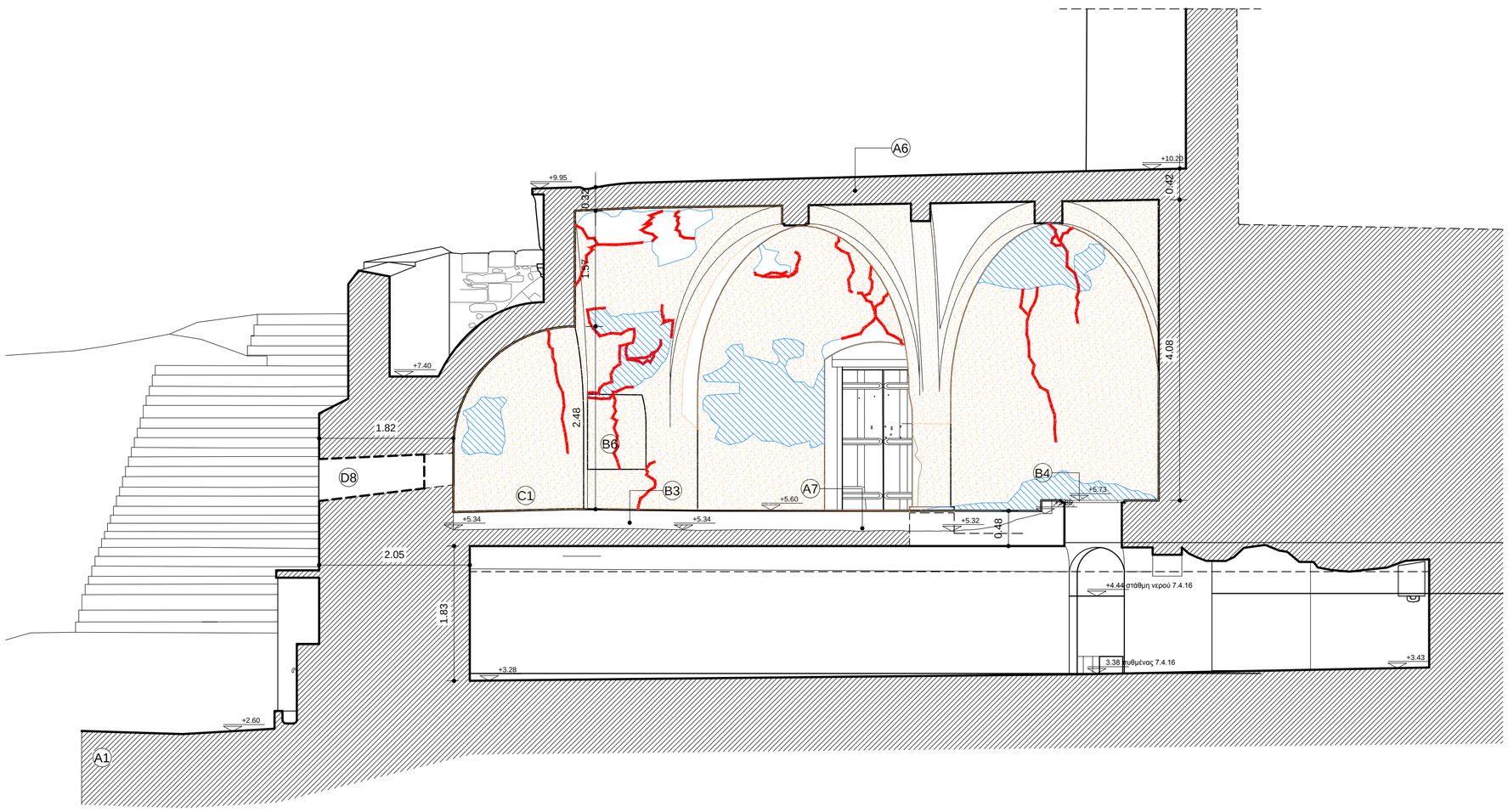
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 2-2

Scale: 1:50

1

Date: May 2007
Rev. February 2016

Plate number: MCE05

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

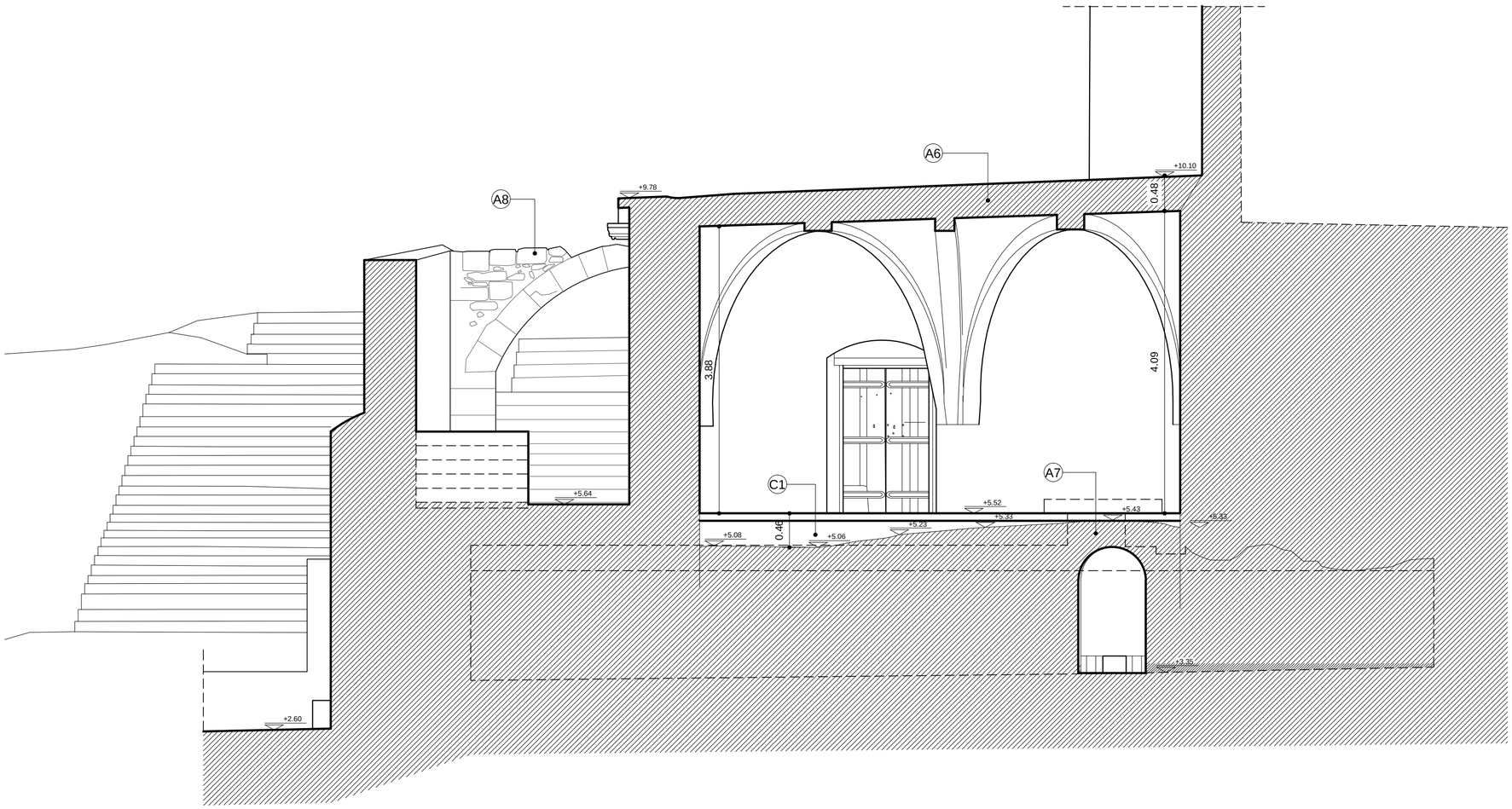
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 3-3

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE06

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

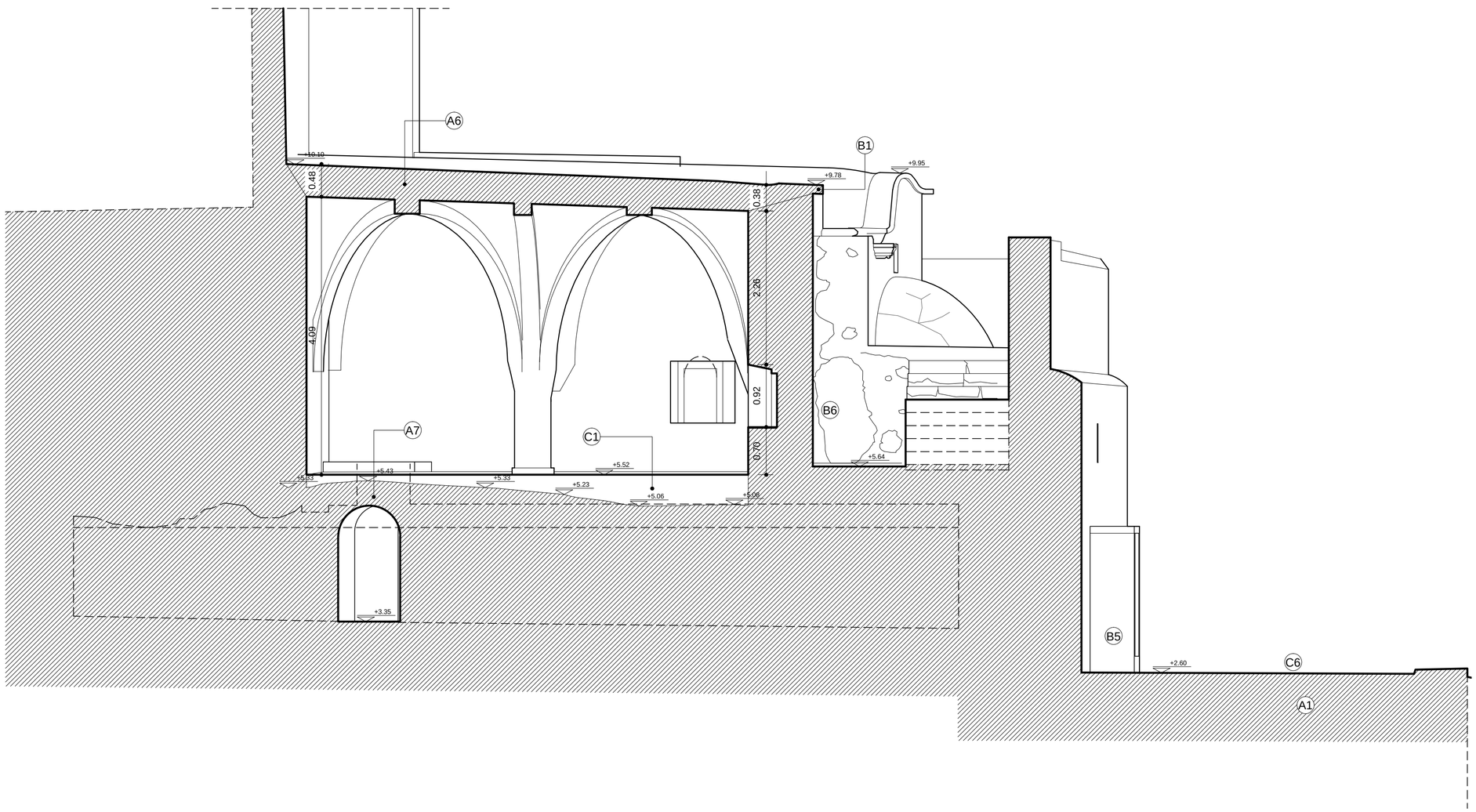
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 4-4

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE07

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

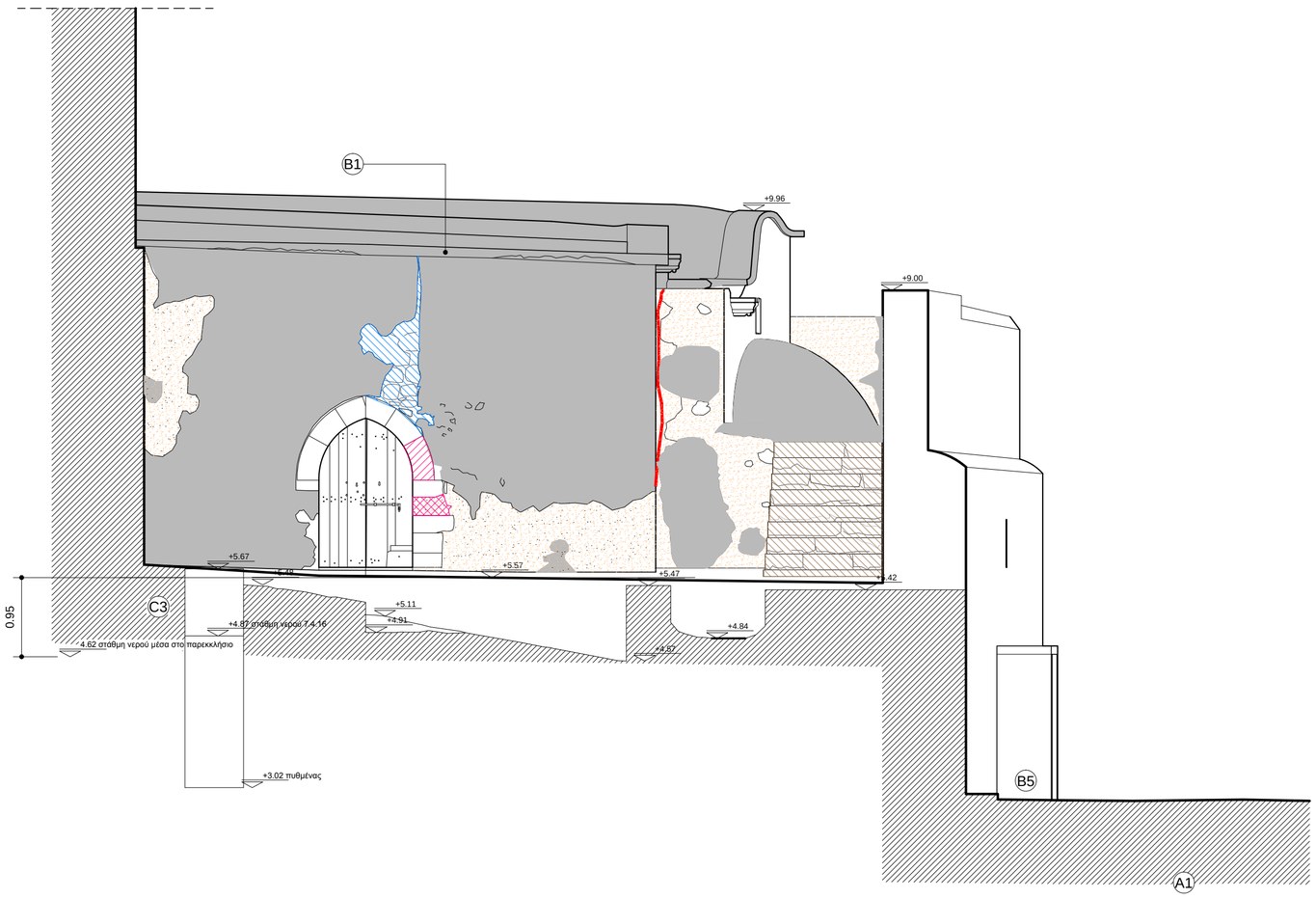
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 5-5

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE08

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

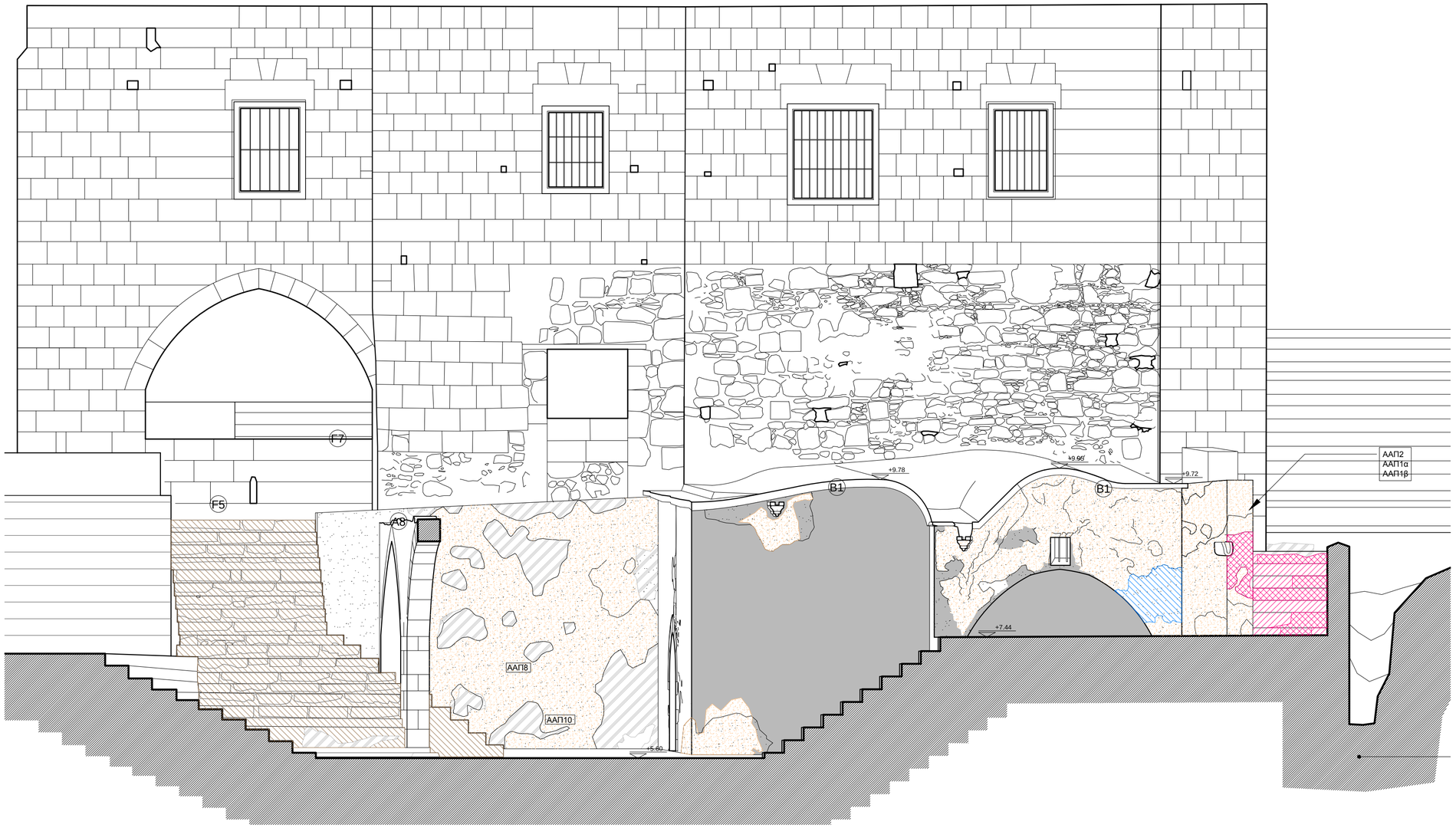
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 6-6

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE09

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

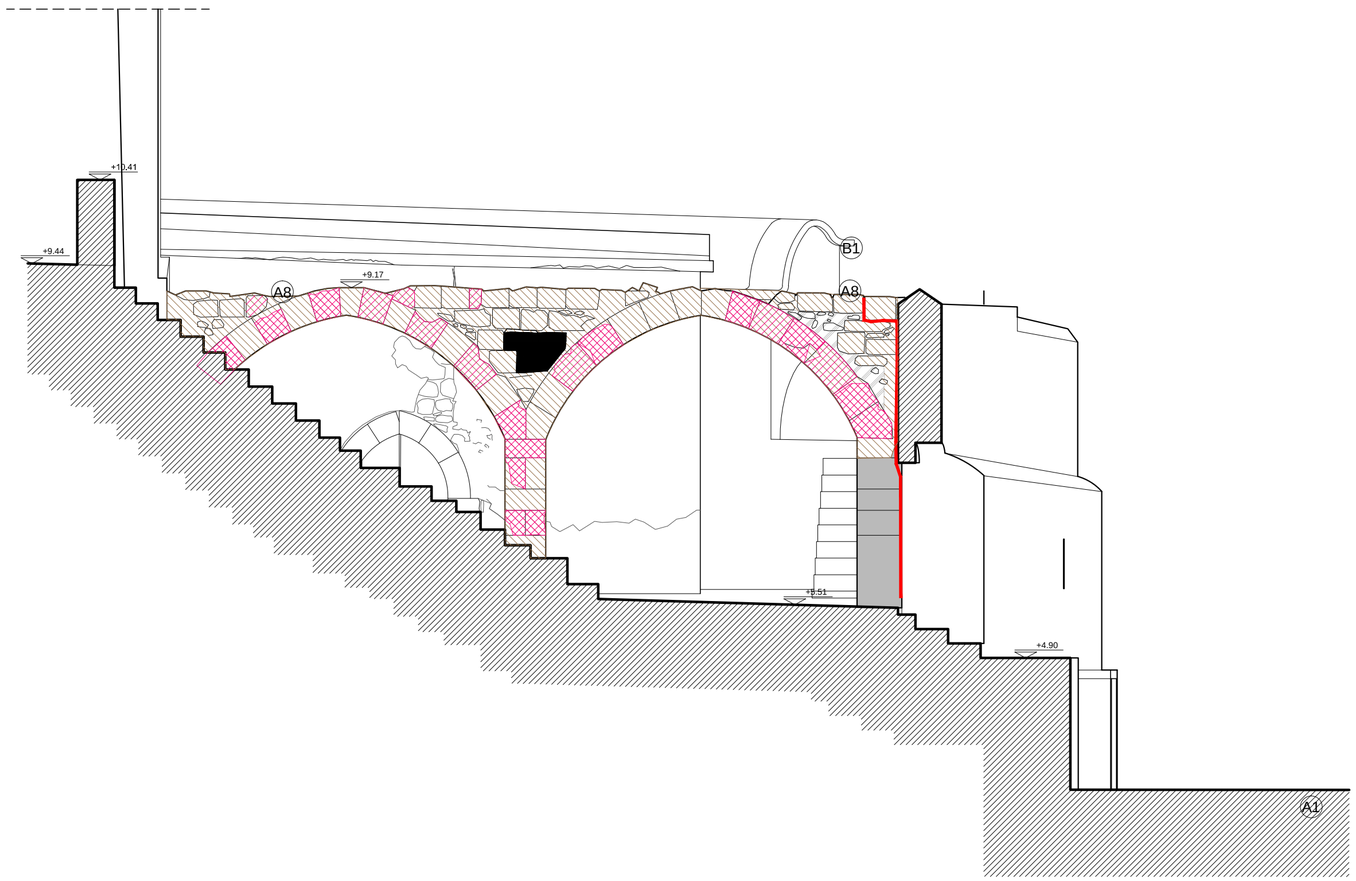
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 7-7

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE10

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

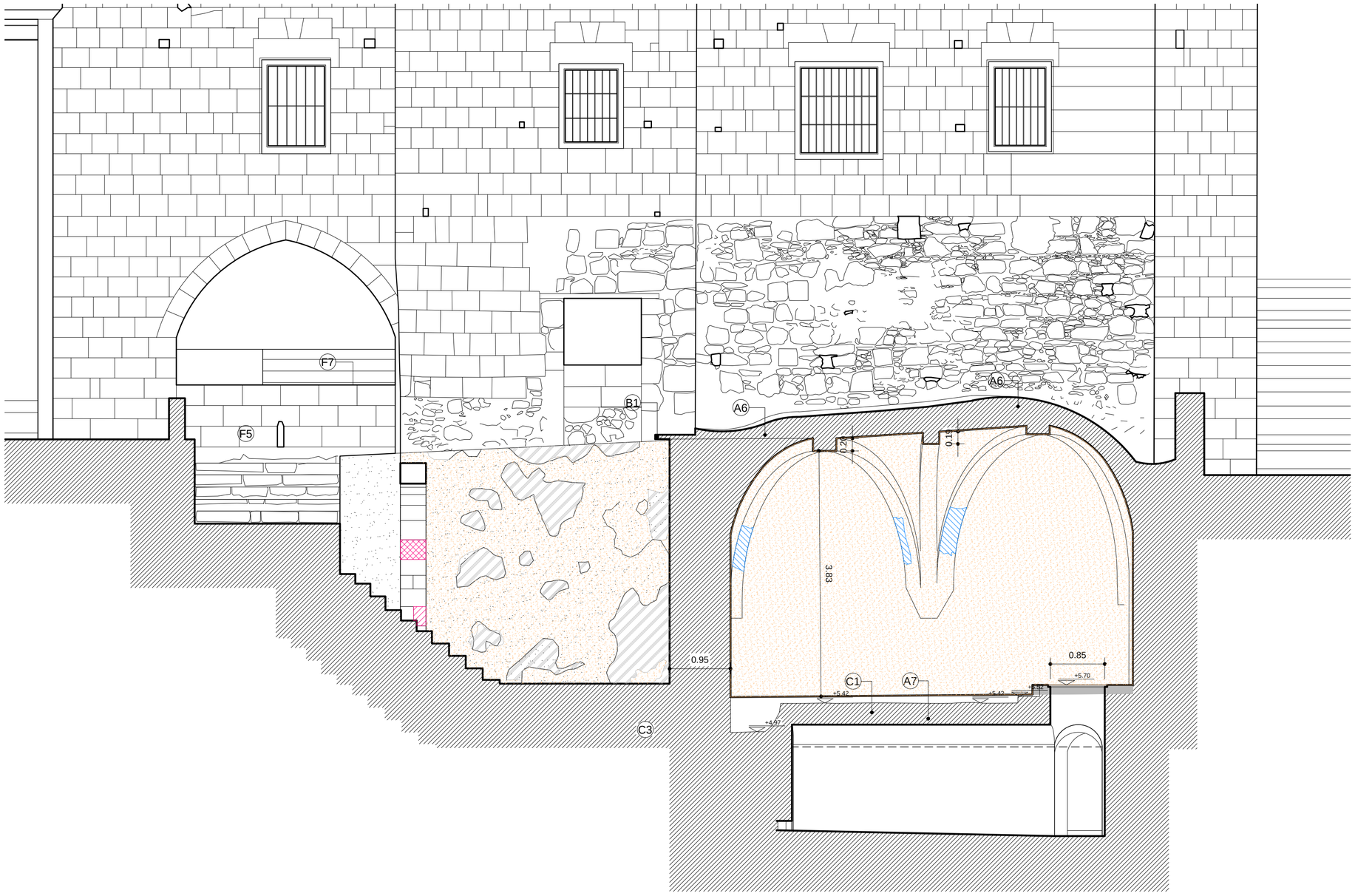
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 8-8

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE11

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

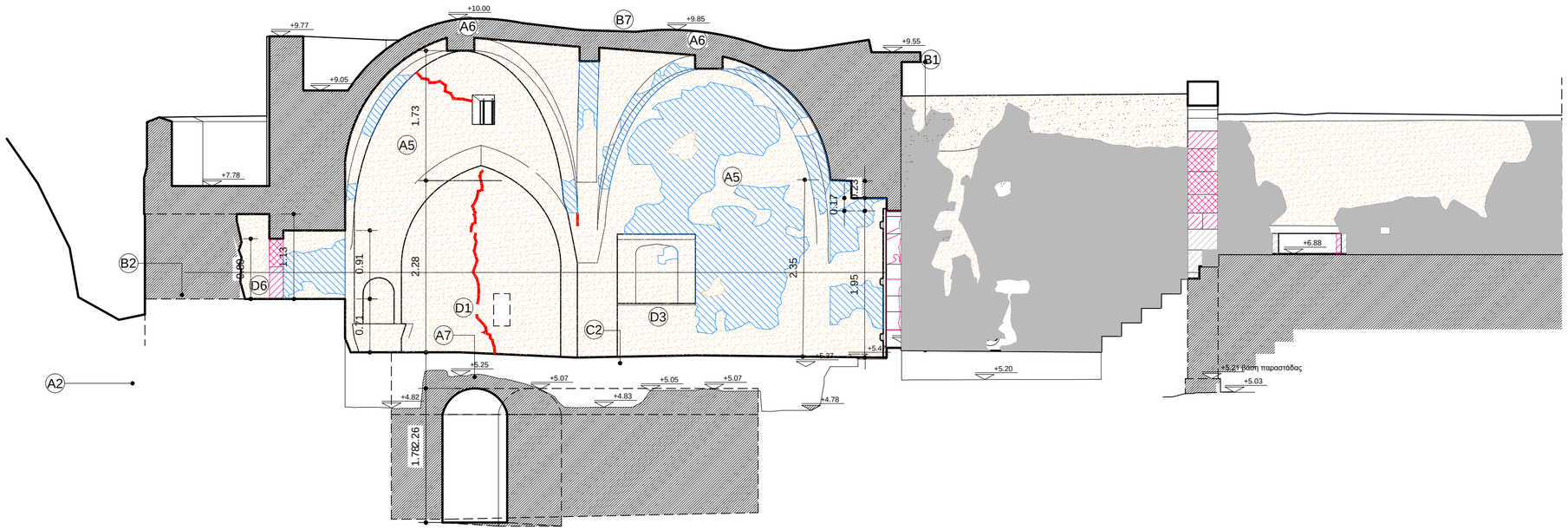
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 9-9

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE12

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

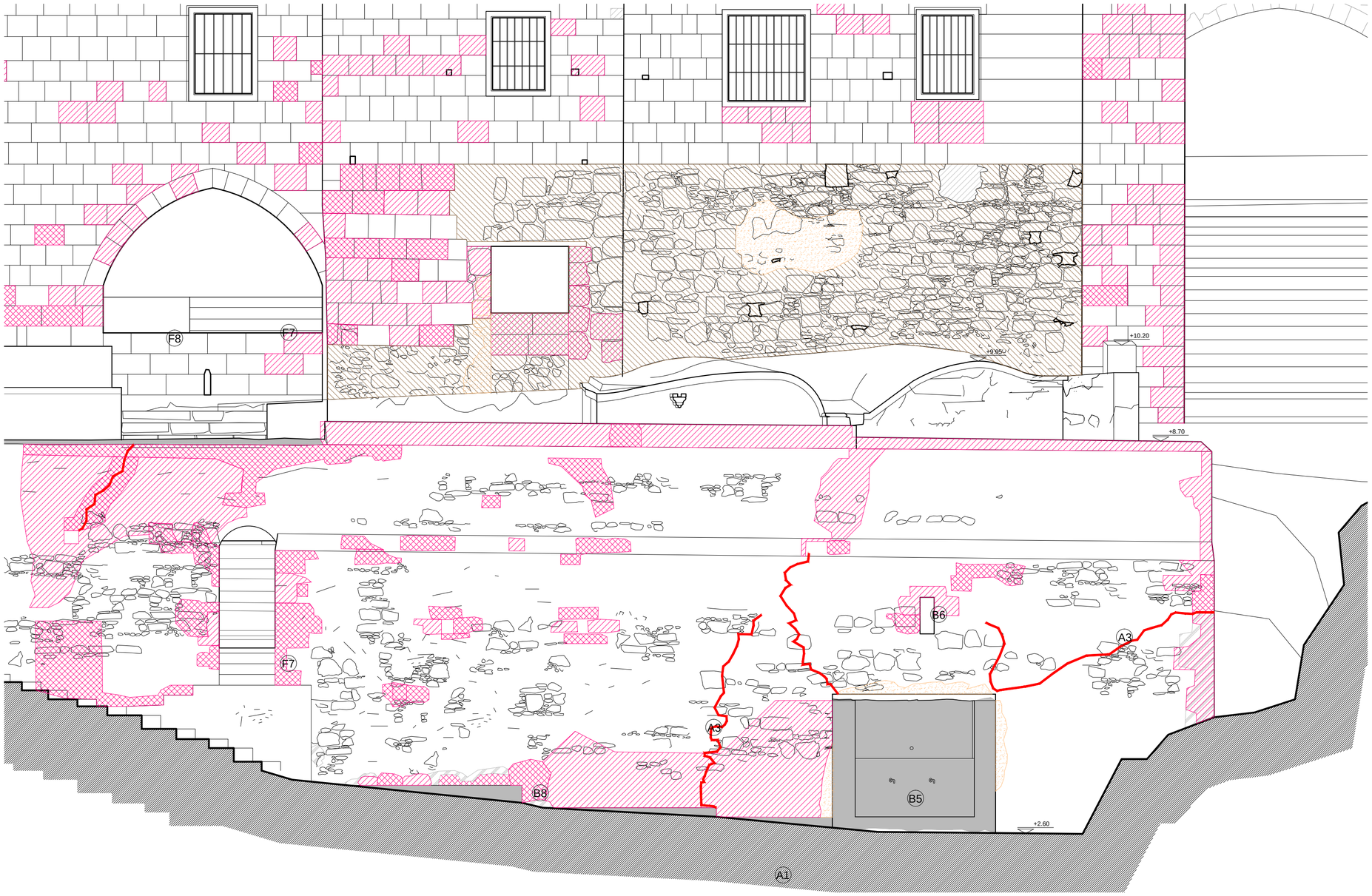
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
EAST ELEVATION

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE13

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

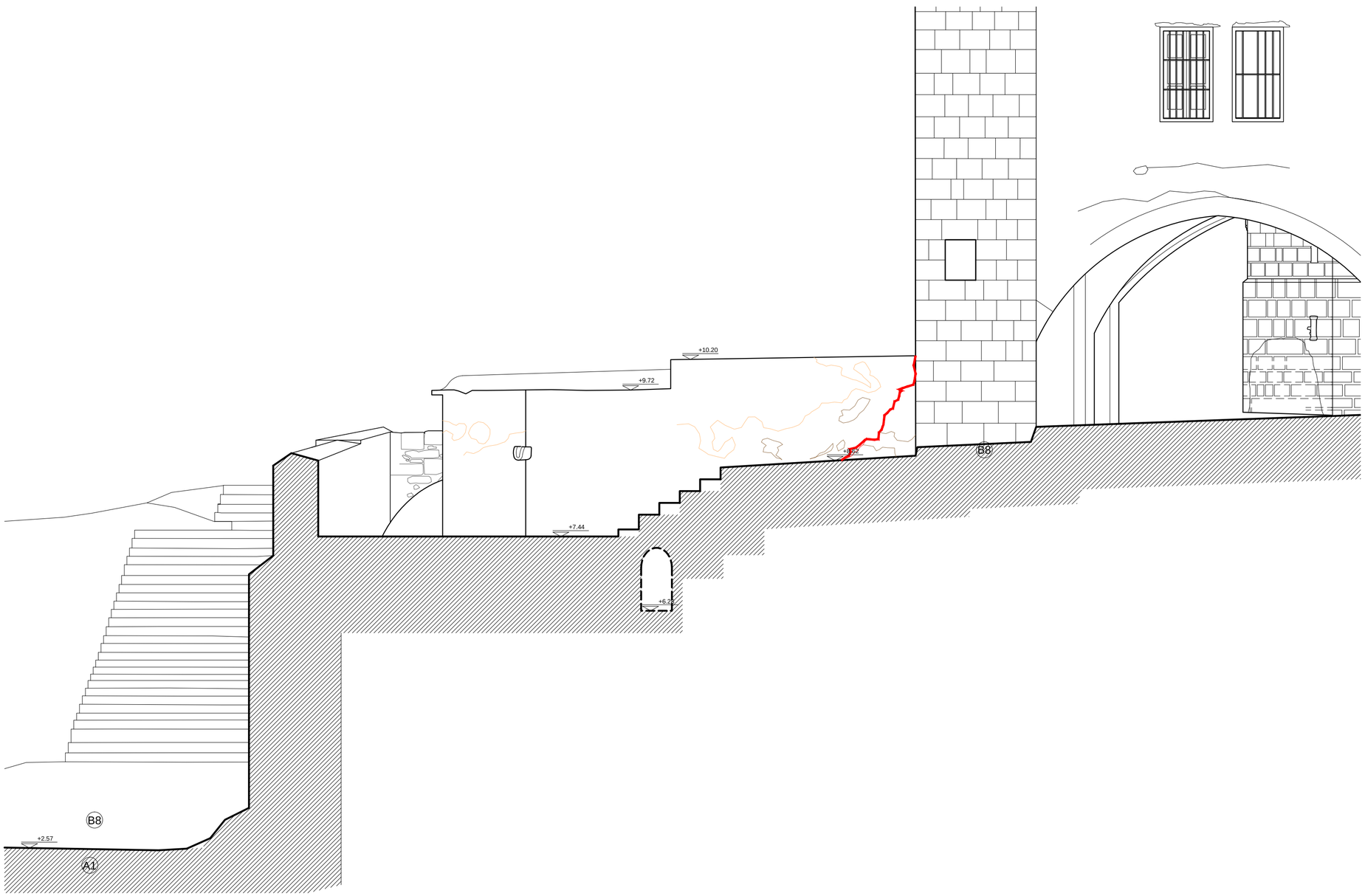
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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: EXISTING
SECTION 10-10

Scale: 1:50

0 1

Date: May 2007
Rev. February 2016

Plate number: MCE14

KEY

- Whitish plaster
- Render of cement mortar
- Partial sealing with cement mortar
- Paint
- Loss-erosion of render
- Loss of pointing
- Erosion of stone
- Extensive erosion of stone
- Loss of stone
- Crack
- ΑΑΠ3 Test sample

Structural problems
A1 Area with problems of substratum differential settlement
(see structural study)
A2 Differential settlement of foundation
(see structural study)
A3 Area of the masonry showing cracks
A4 Area of the masonry which needs solidification
A5 Area of the masonry which needs conservation
A6 Area of the extrados of the domes which needs consolidation
A7 Unknown preservation state of the extrados of the arcade dome
A8 Areas of the masonry which need additions

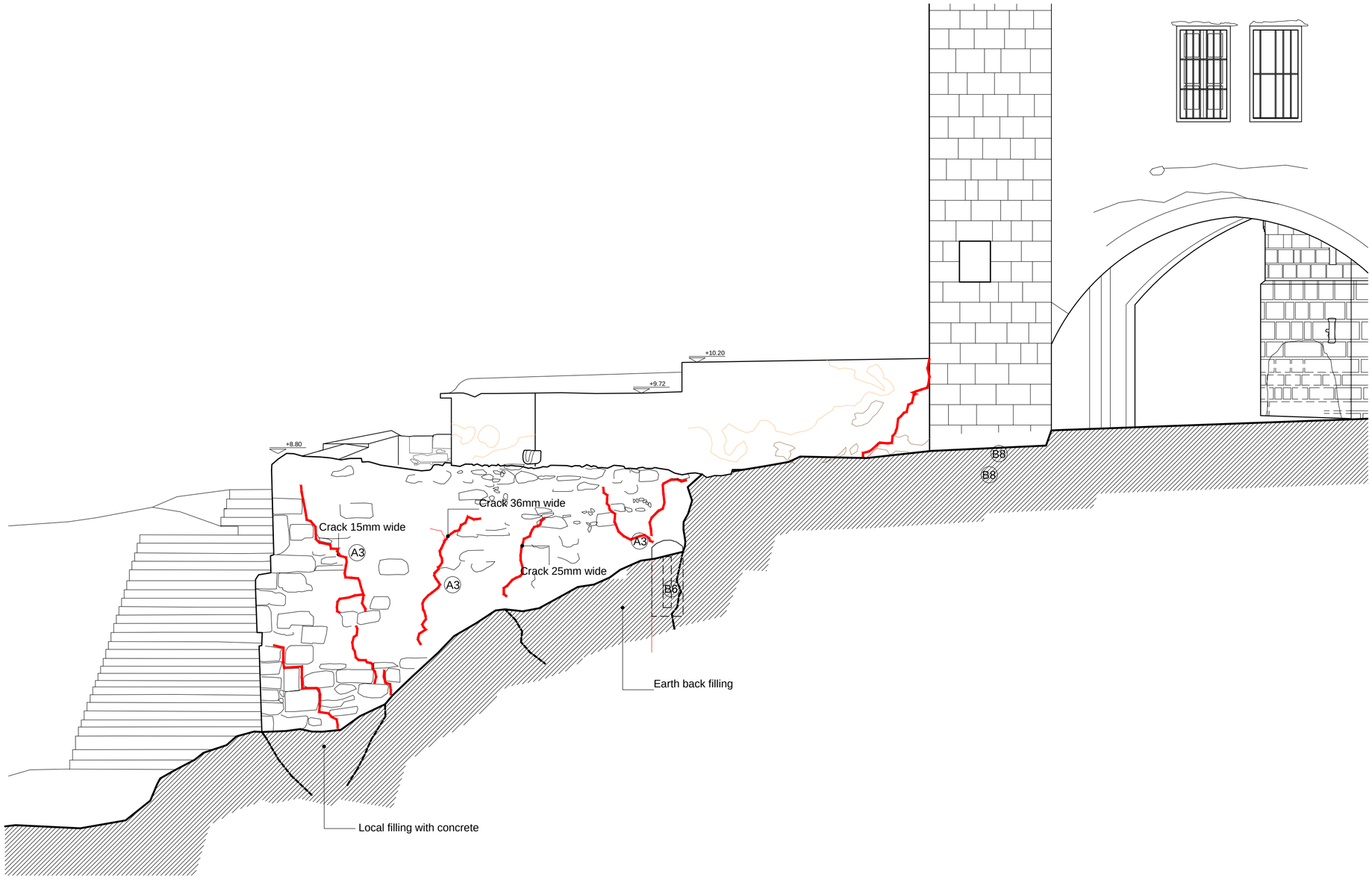
Construction works
B1 Poorly constructed cornice of cement mortar
B2 Area with problems in draining rainwater
B3 Absence of Altar
B4 Poorly constructed cover plate of the well which leads to the underground galleries of the Agiasma
B5 Spring of the Agiasma showing traces of form alterations
B6 Blocked window
B7 Surface of the masonry which needs conservation
B8 Area where steps need to be constructed in order to improve the transition from one level to the other
B9 Stone steps showing local problems of detachments and fragmentation of their compartments
B10 Absence of access to the sea
B11 Areas of render showing decay

Floors
C1 Area below the recent floor which needs excavational research
C2 Recent floor of cement tiles which was laid 10-15cm higher than the original one
C3 Problems of rising dampness
C4 Recent floor of cement tiles which needs replacement
C5 Poorly constructed floor of cement mortar
C6 Stone floor in a bad preservation state and with poor concrete repairs
C7 Poor repair of the steps with cement mortar

Joinery - doors & windows
D1 Absence of icon screen
D2 Absence of furniture of the Prothesis
D3 Existing masonry recess
D4 Timber 19th C doorway
D5 Absence of door
D6, D7, D8 Absence of window

Installations
E1 Unknown preservation state of the Agiasma supply piping
E2 Water overflow in high locations of the arcades of the Agiasma
E3 Old timber electricity post

Other works
F1 Position of the old parapet with ashlar stone small piers which are not preserved
F2 Position of the cover plate of the well which needs excavational research
F3 osition of the old wall of the dock which has been covered by the rocks of the breakwater
F4 Potential area for creating a new courtyard
F5 Recent parapet which has blocked the use of the descending staircase
F6 Absence of handrail
F7 Absence of railings



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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

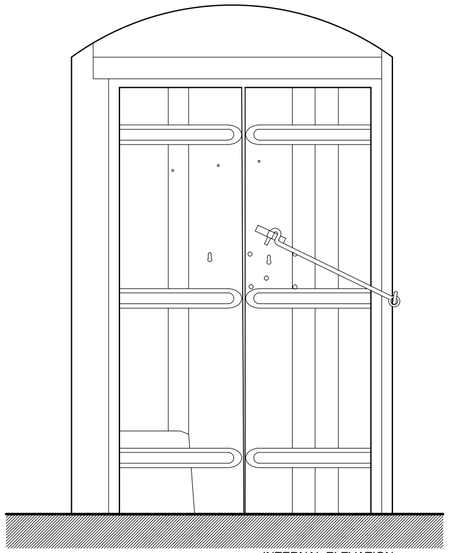
Title: EXISTING
SECTION 11-11

Scale: 1:50

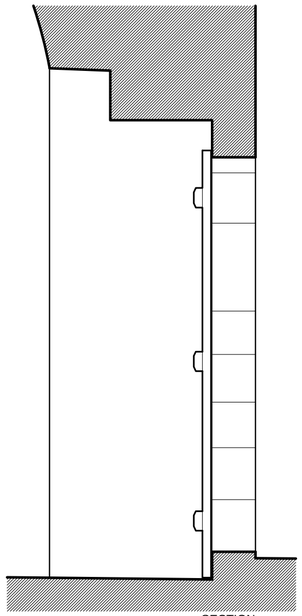
0 1

Date: May 2007
Rev. February 2016

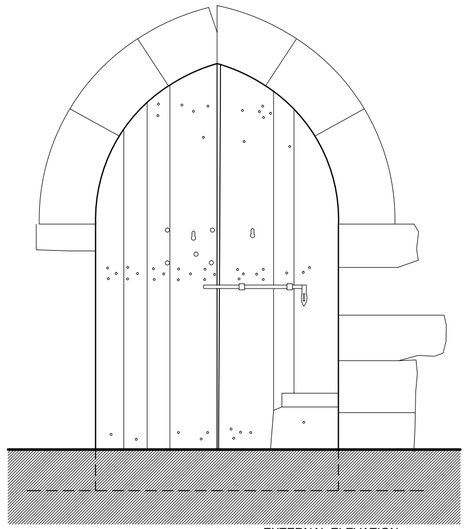
Plate number: MCE15



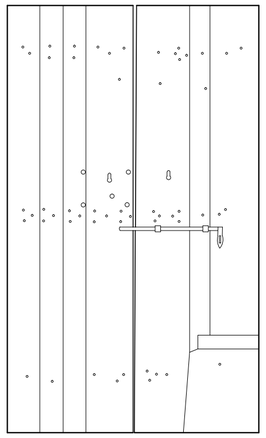
INTERNAL ELEVATION

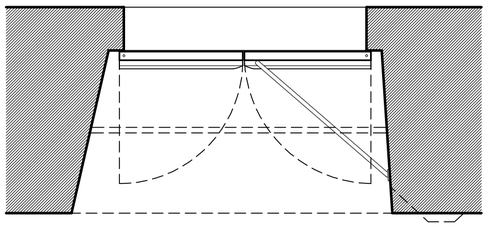


SECTION

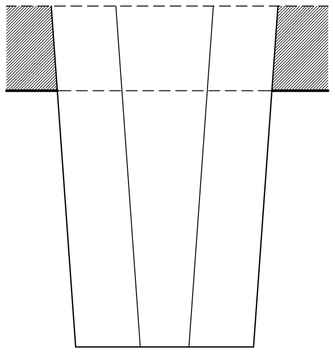


EXTERNAL ELEVATION

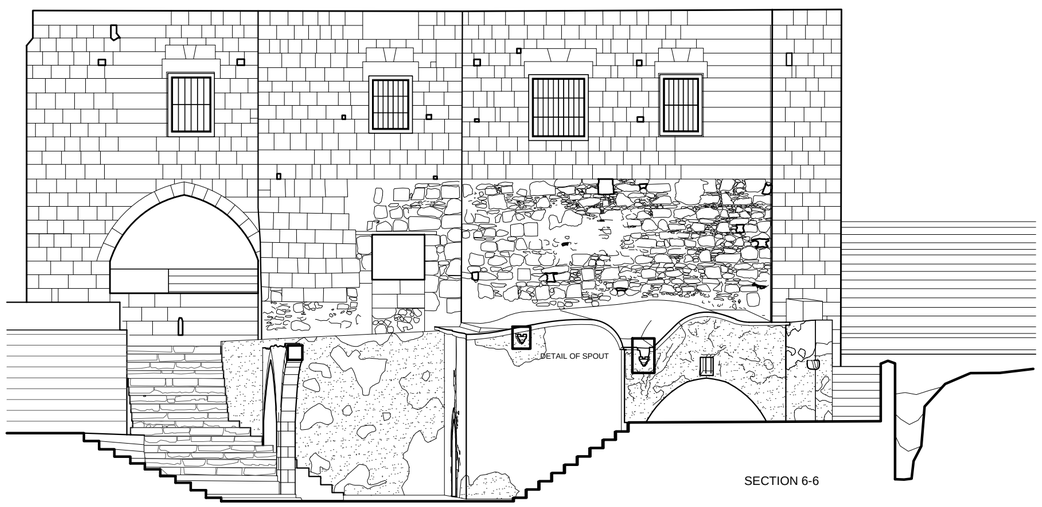




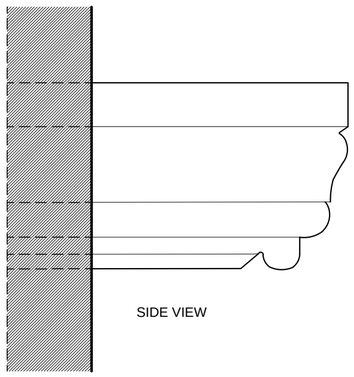
PLAN



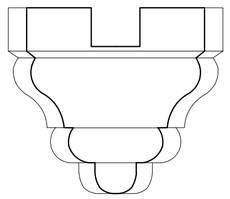
VIEW FROM THE TOP



SECTION 6-6



SIDE VIEW



FRONT VIEW

DETAILS OF SPOUT

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher :
P.M. Koufopoulos, Assistant Professor
Scientific advisors :
S.V. Mamaloukos, Assistant Professor
D.M.Myrianthefs, architect-restorer
M.M. Myriantheos, 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

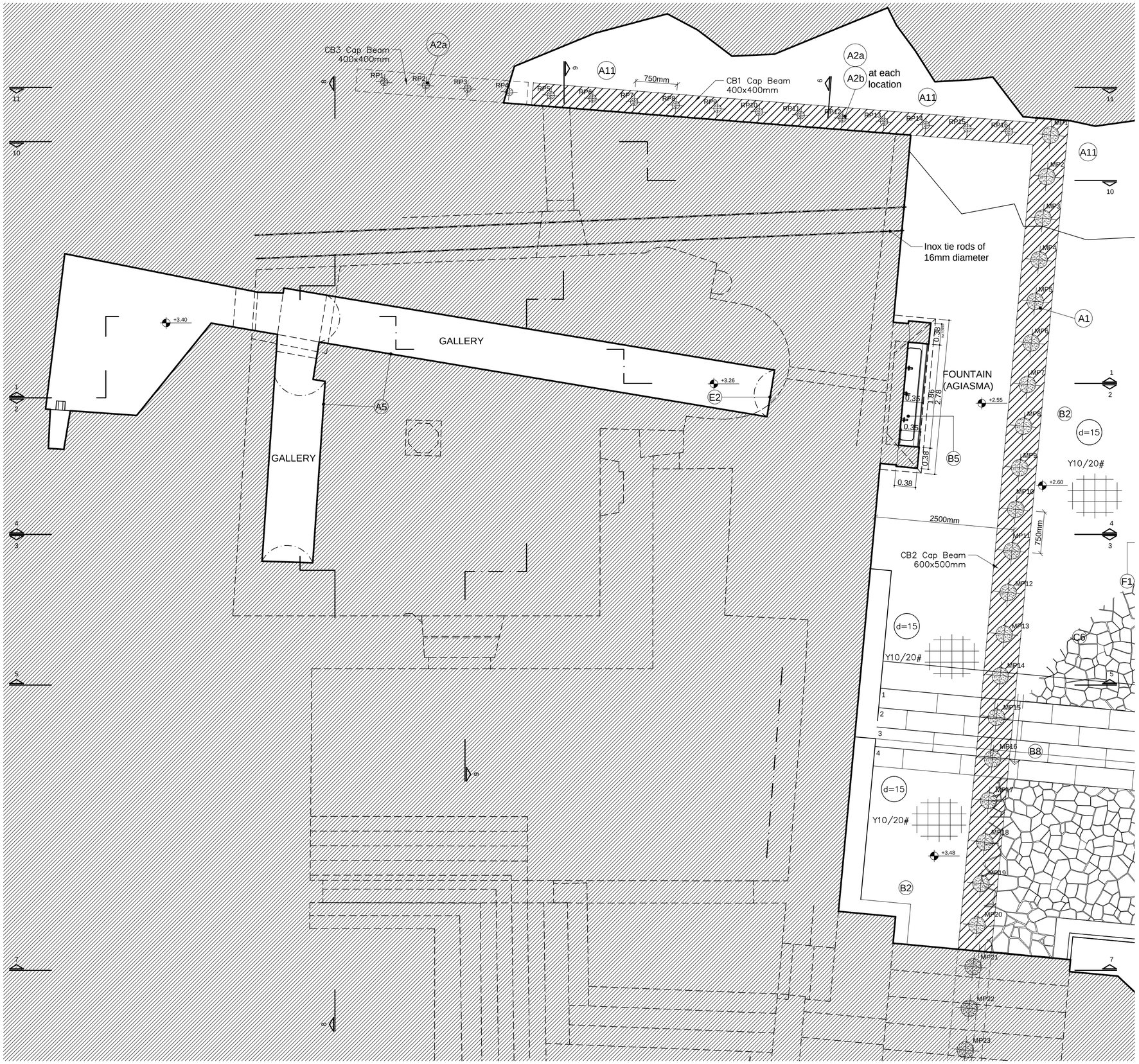
Title: EXISTING

DOORWAY, SPOUT

Scale: 1:20, 1:5

Date: May 2007
Rev. February 2016

Plate number: MCE16



KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

PLAN OF LEVEL A'

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP01

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

FLOORS OF LEVEL B'

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP02

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

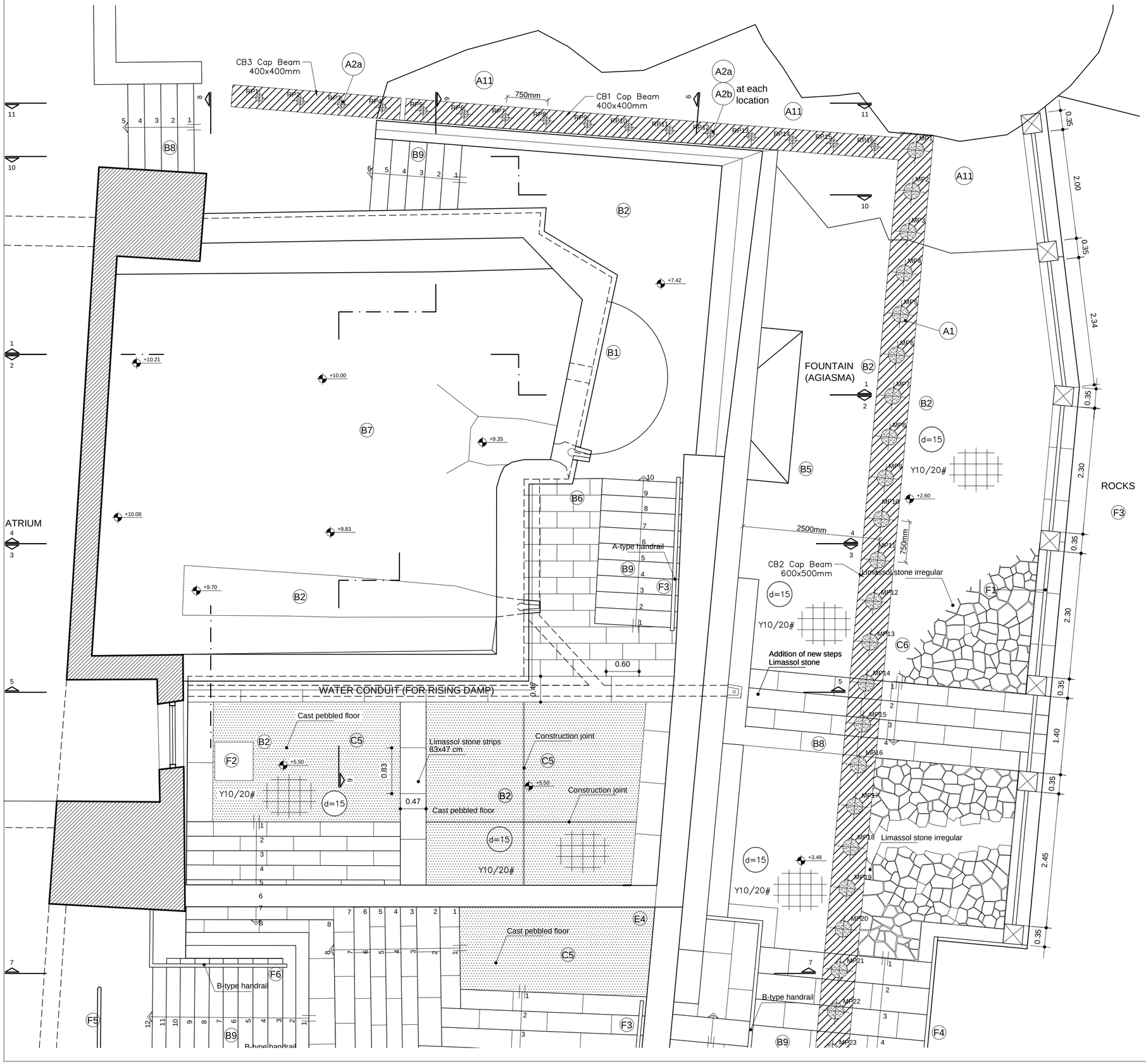
PLAN OF LEVEL B'

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP03



KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myriantheφs, architect-restorer
M.M. Myriantheos, 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

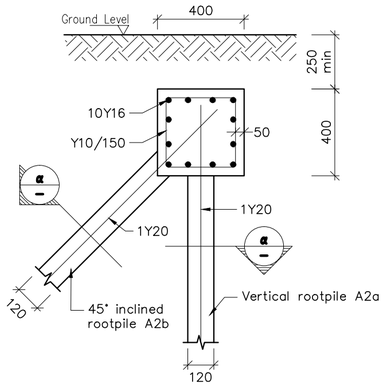
PLAN OF LEVEL C

Scale: 1:50

0 1

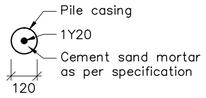
Date: April 2006
Rev. February 2016

Plate number: MCP04



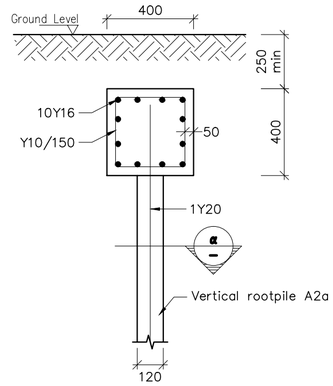
CB1 CAP BEAM DETAIL

ΚΛΙΜΑΚΑ 1:20



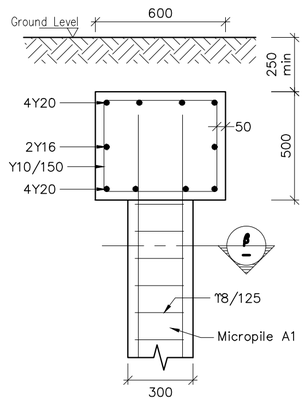
Section α

ΚΛΙΜΑΚΑ 1:20



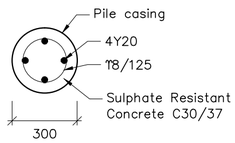
CB3 CAP BEAM DETAIL

ΚΛΙΜΑΚΑ 1:20



CB2 CAP BEAM DETAIL

ΚΛΙΜΑΚΑ 1:20



Section β

ΚΛΙΜΑΚΑ 1:20

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, architect-restorer
Collaborators:
N. Kalathas, civil engineer
G. Dogani, antiquities conservator
A. Galanou, antiquities conservator

Title: PROPOSAL

CAP BEAMS DETAILS

Scale: 1:20

0 1

Date: May 2007
Rev. February 2016

Plate number: MCP05

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

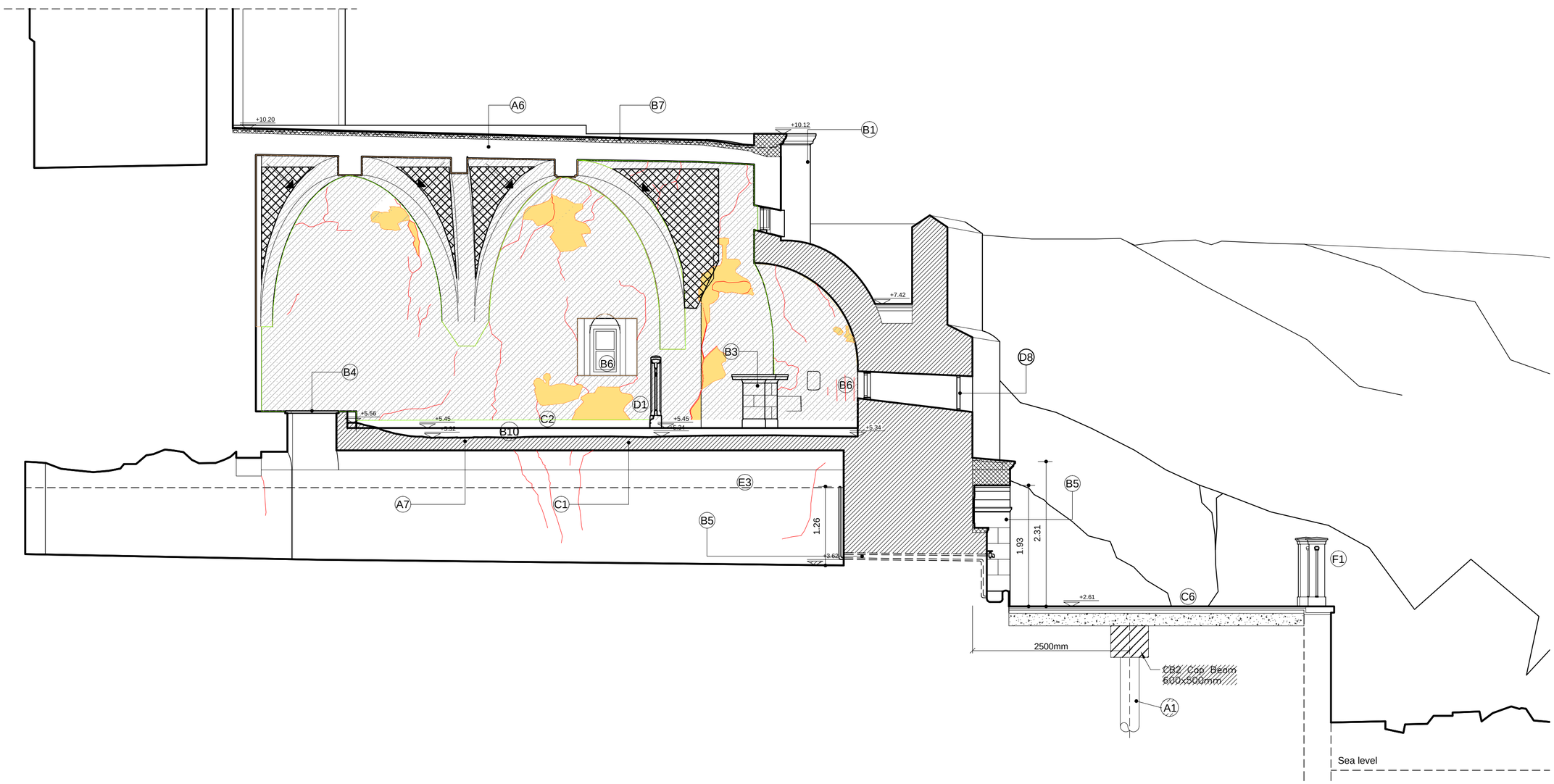
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 1-1

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP06

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

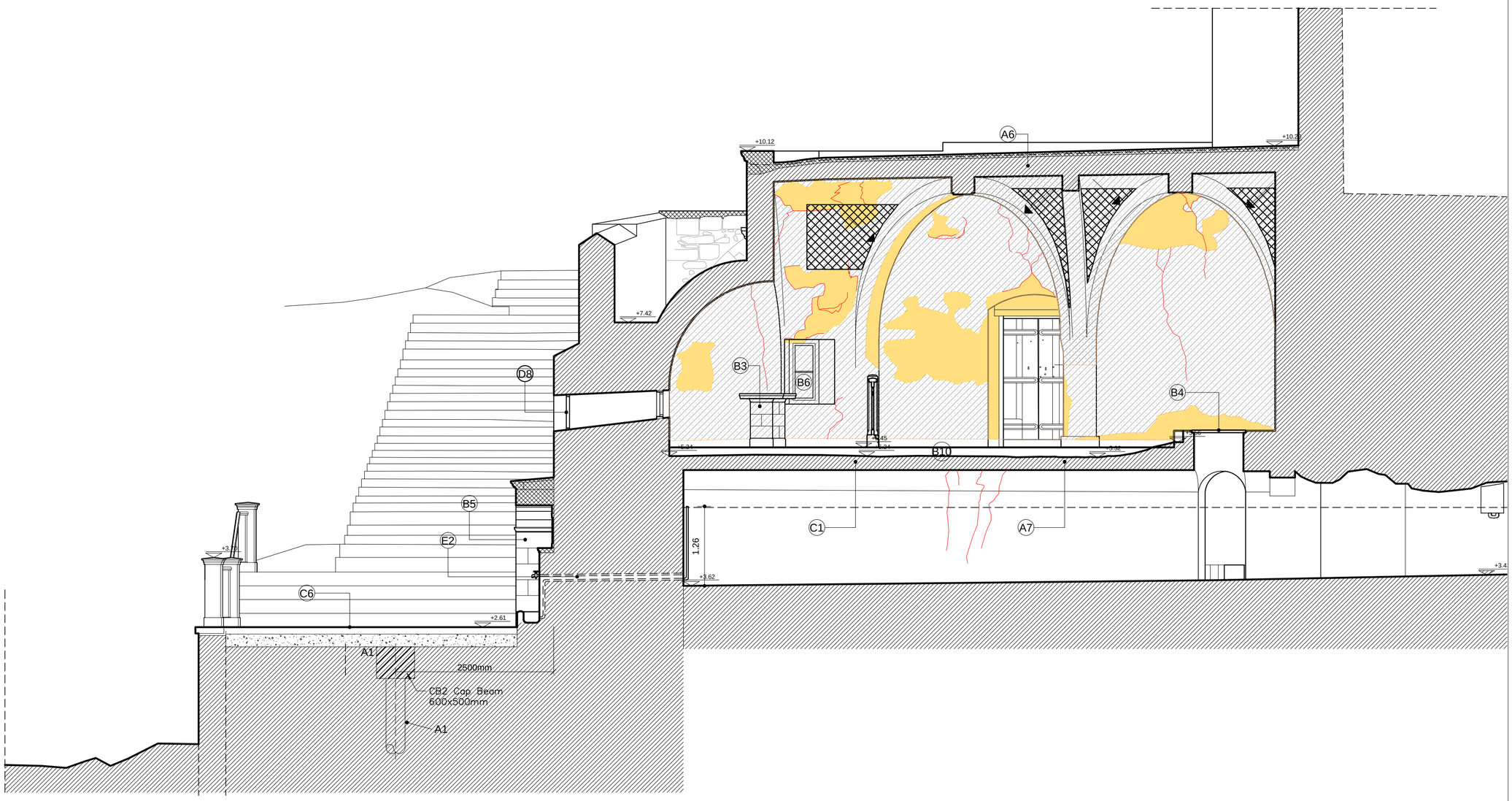
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

SECTION 2-2

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP07

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

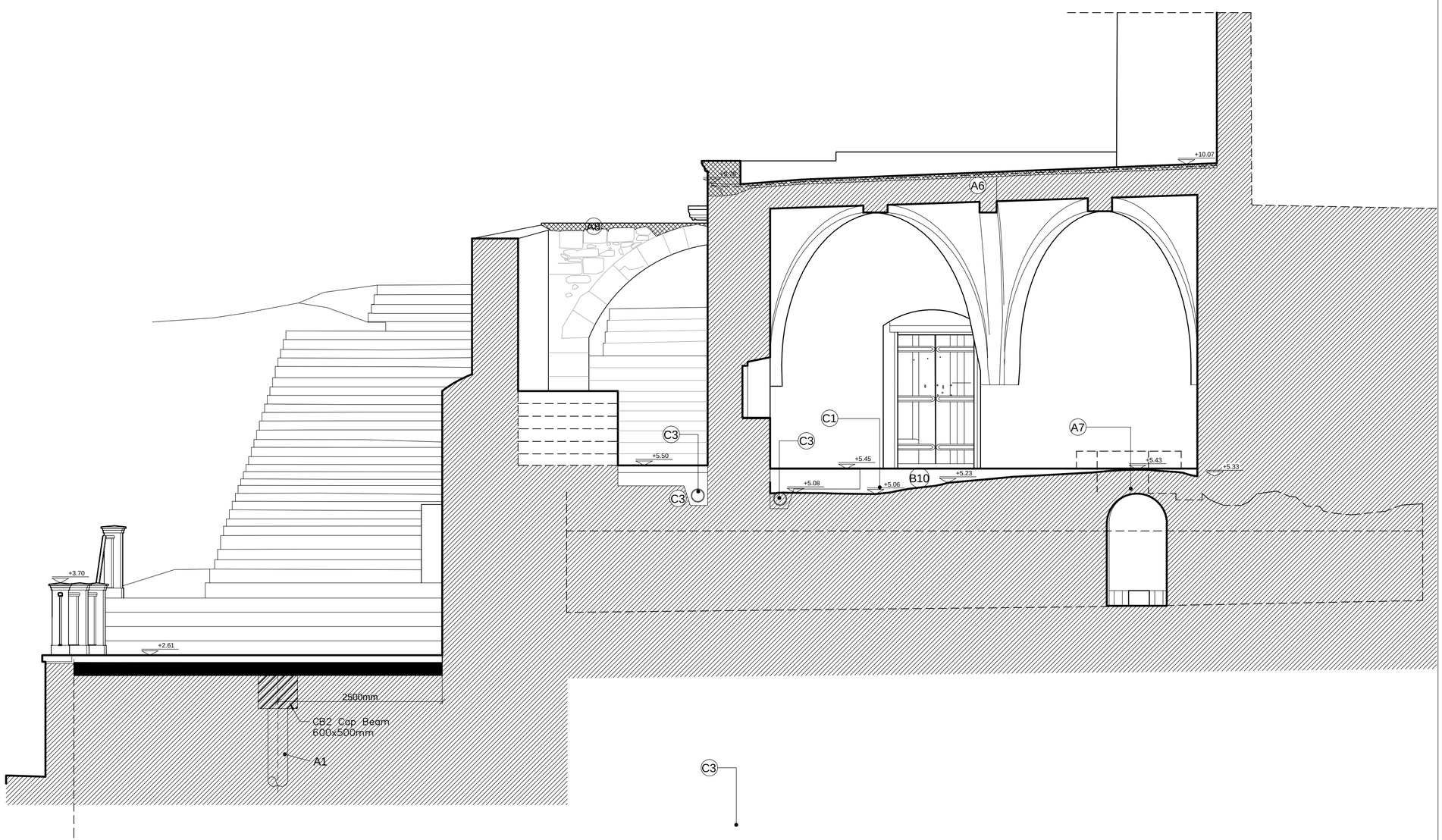
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 3-3

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP08

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

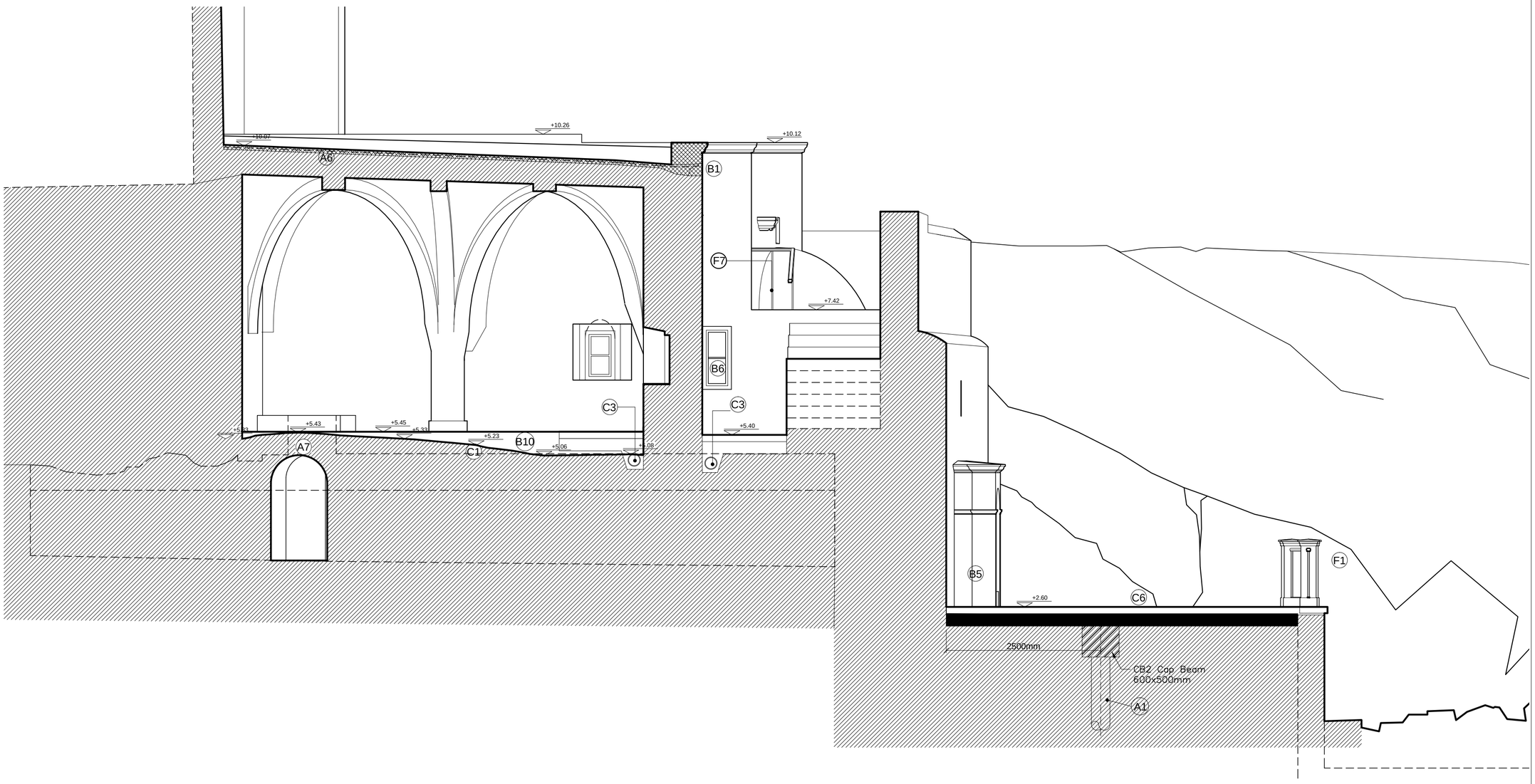
General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 4-4

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP09

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

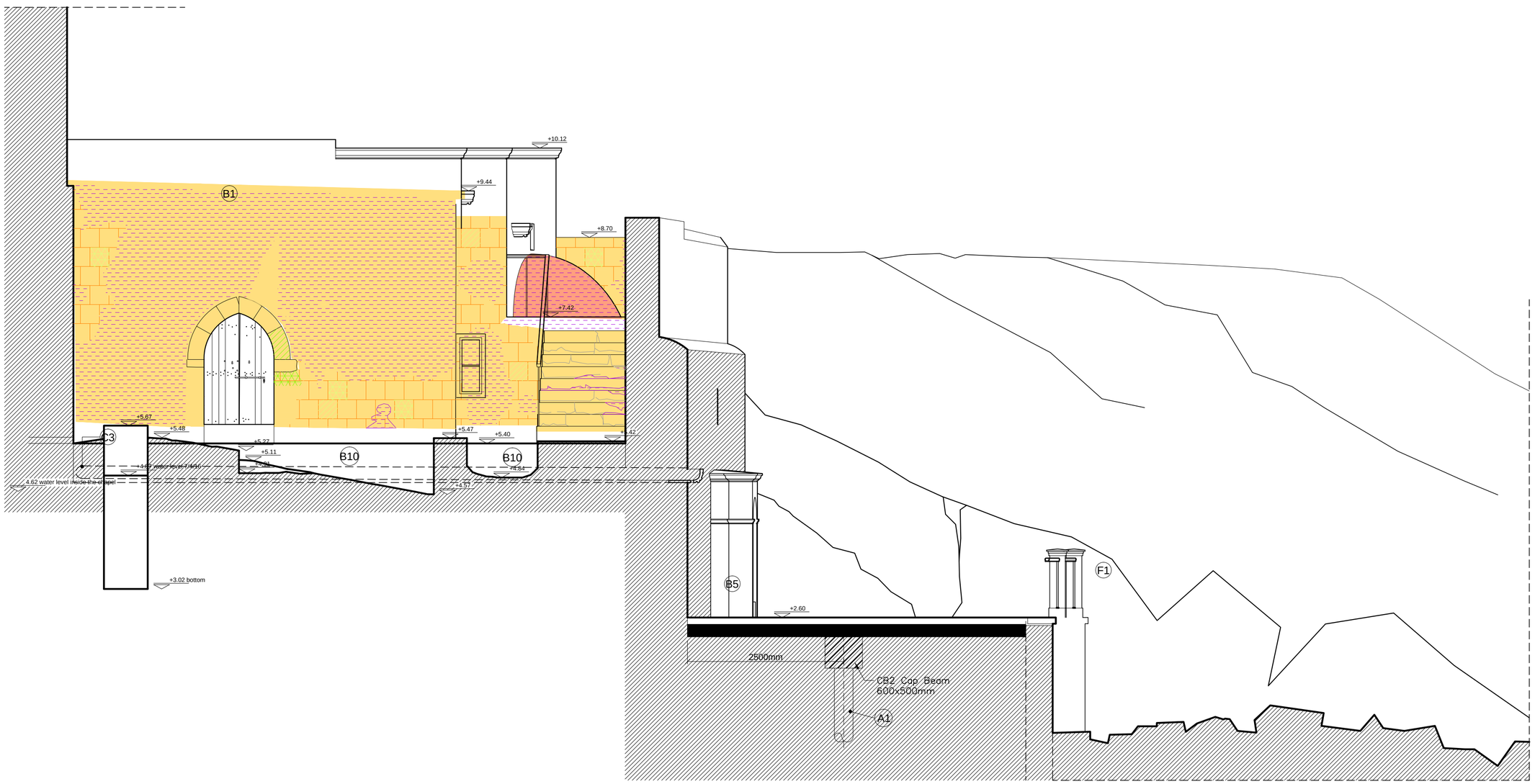
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 5-5

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP10

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

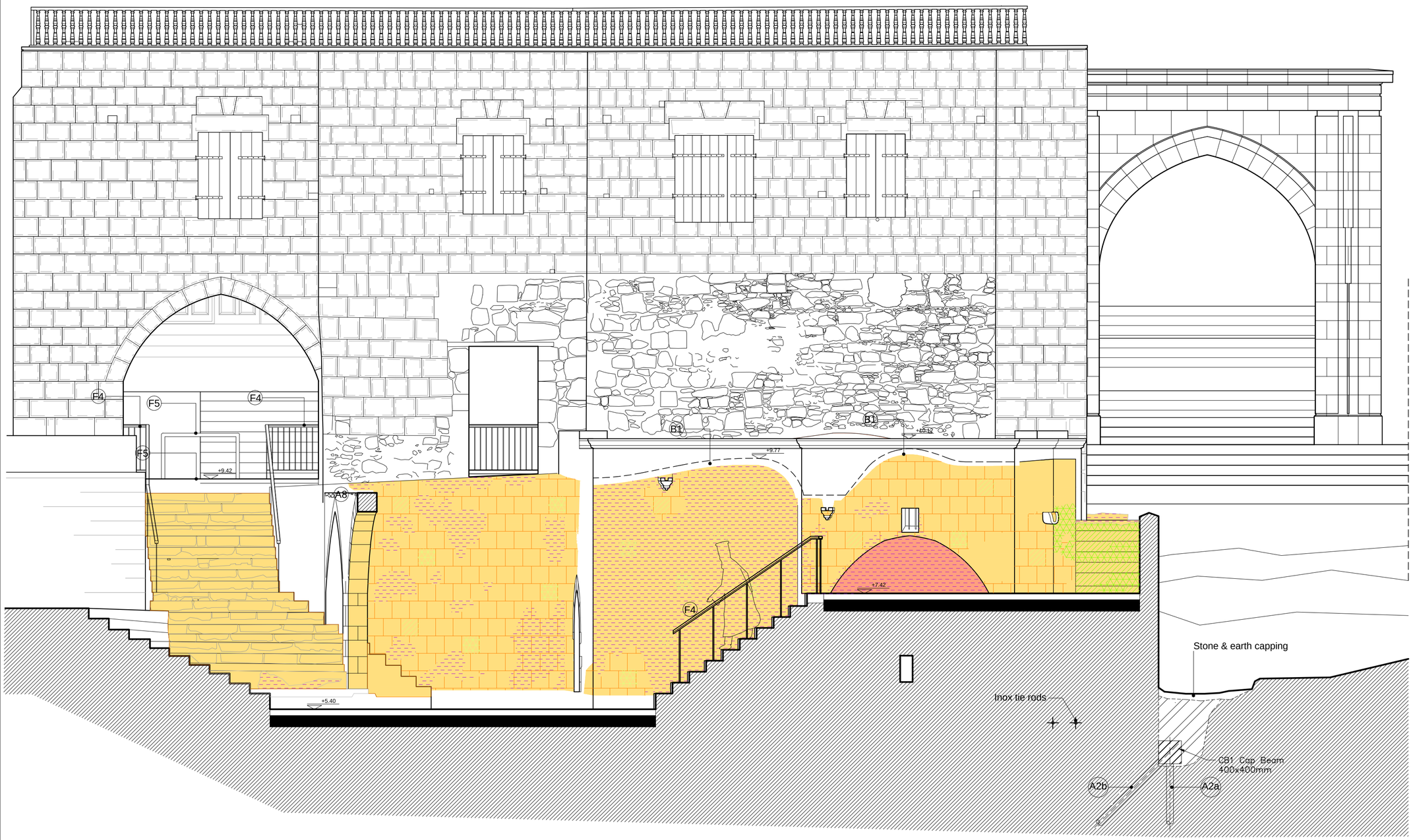
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 6-6

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP11

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

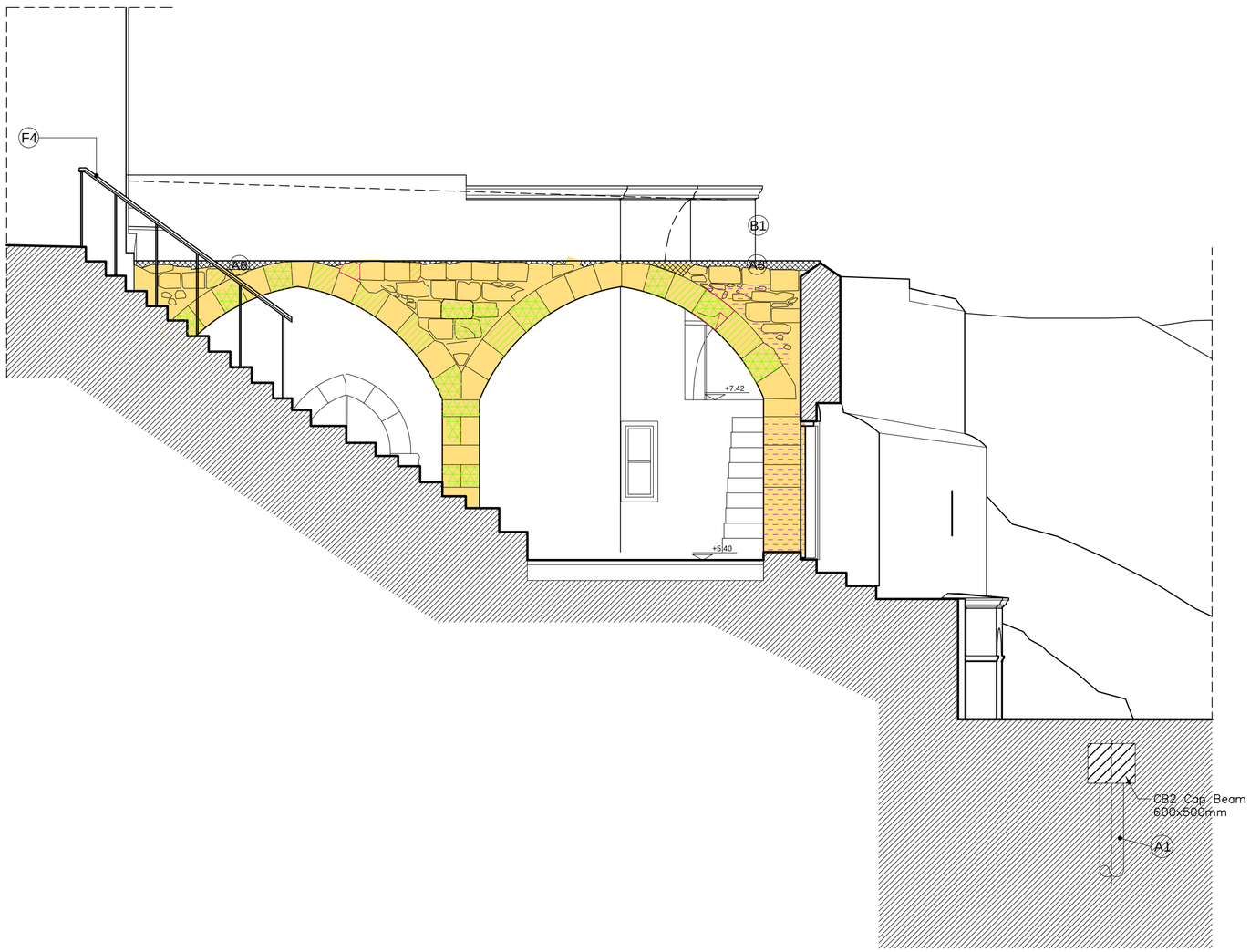
General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 7-7 & EXTERNAL FLOOR DETAIL

Scale: 1:50, 1:20 & 1:10

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP12

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45˚, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 8-8

Scale: 1:50

Date: April 2006
Rev. February 2016

Plate number: MCP13

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

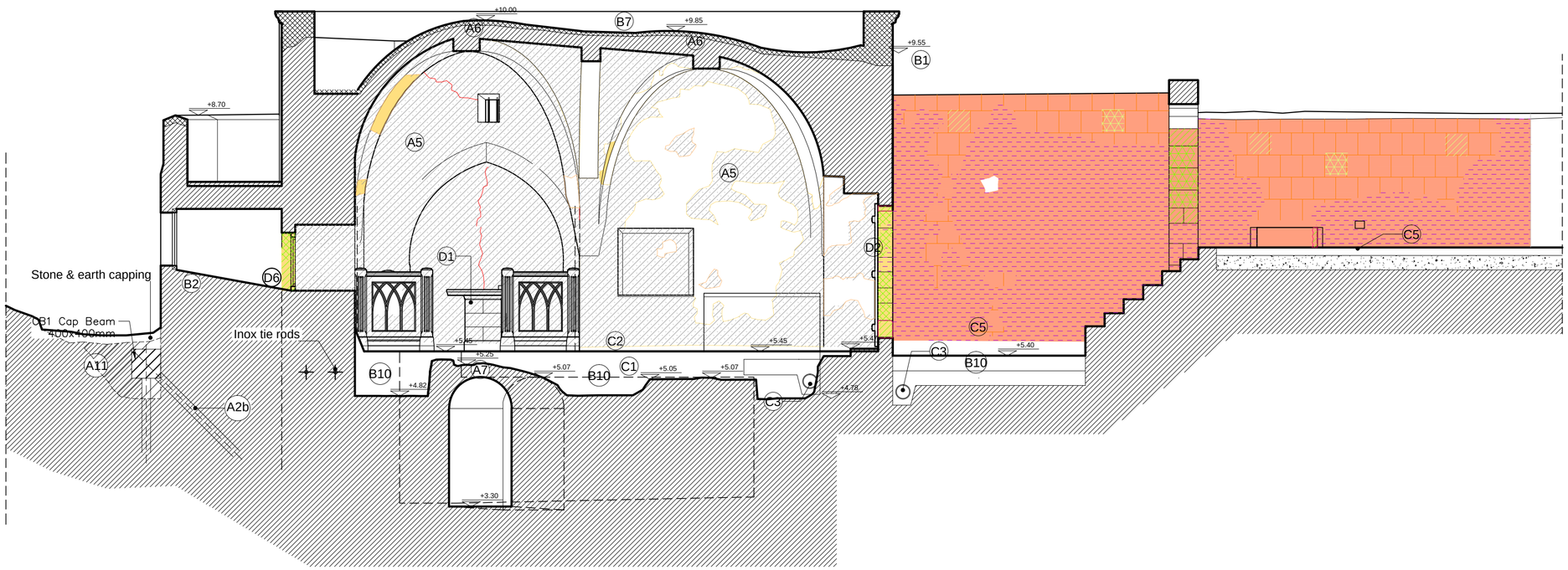
General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 9-9

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP14

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

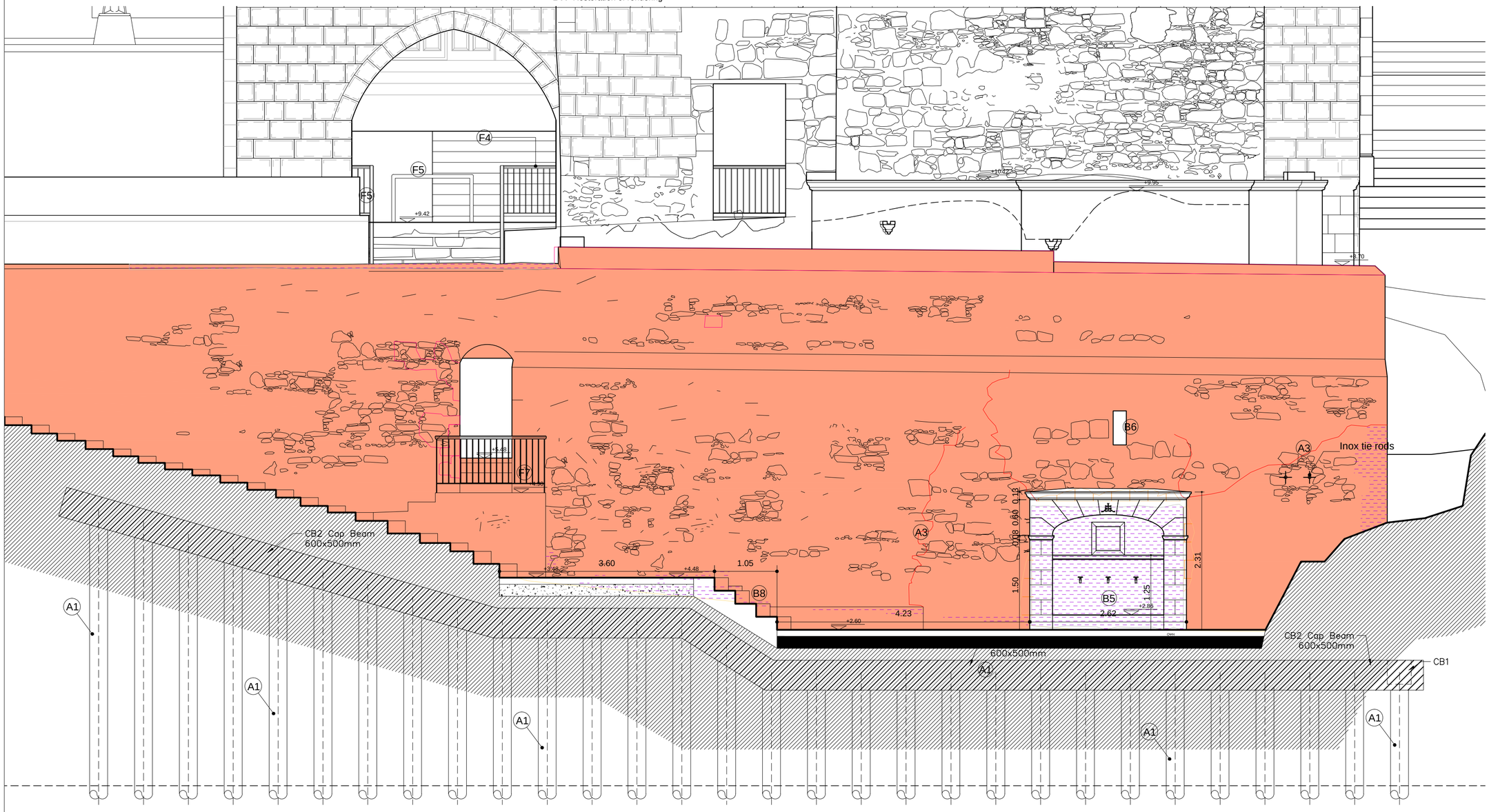
General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
EAST ELEVATION

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP15

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements

A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works

B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors

C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows

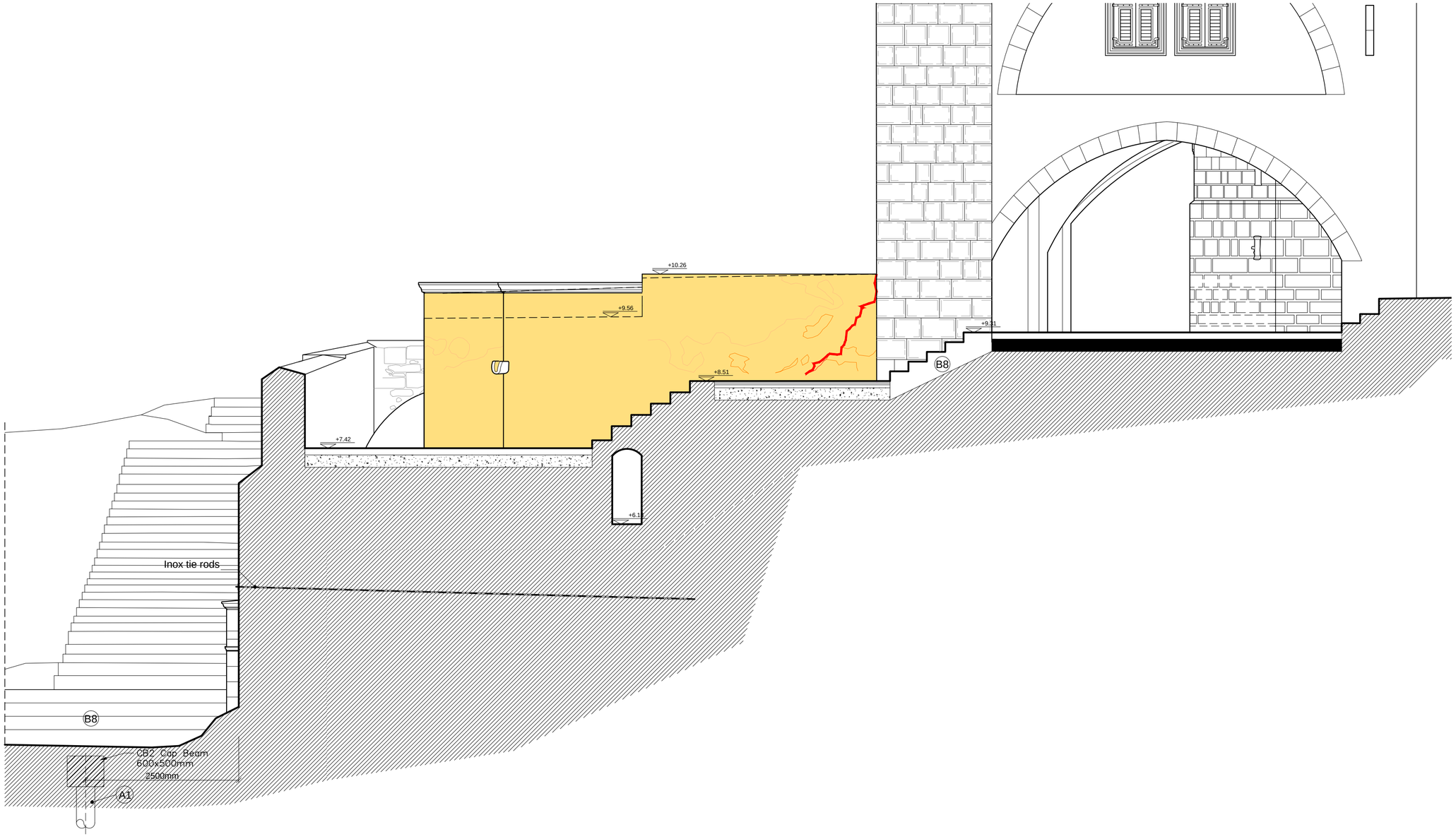
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations

E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works

F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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
SECTION 10-10

Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP16

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY
PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

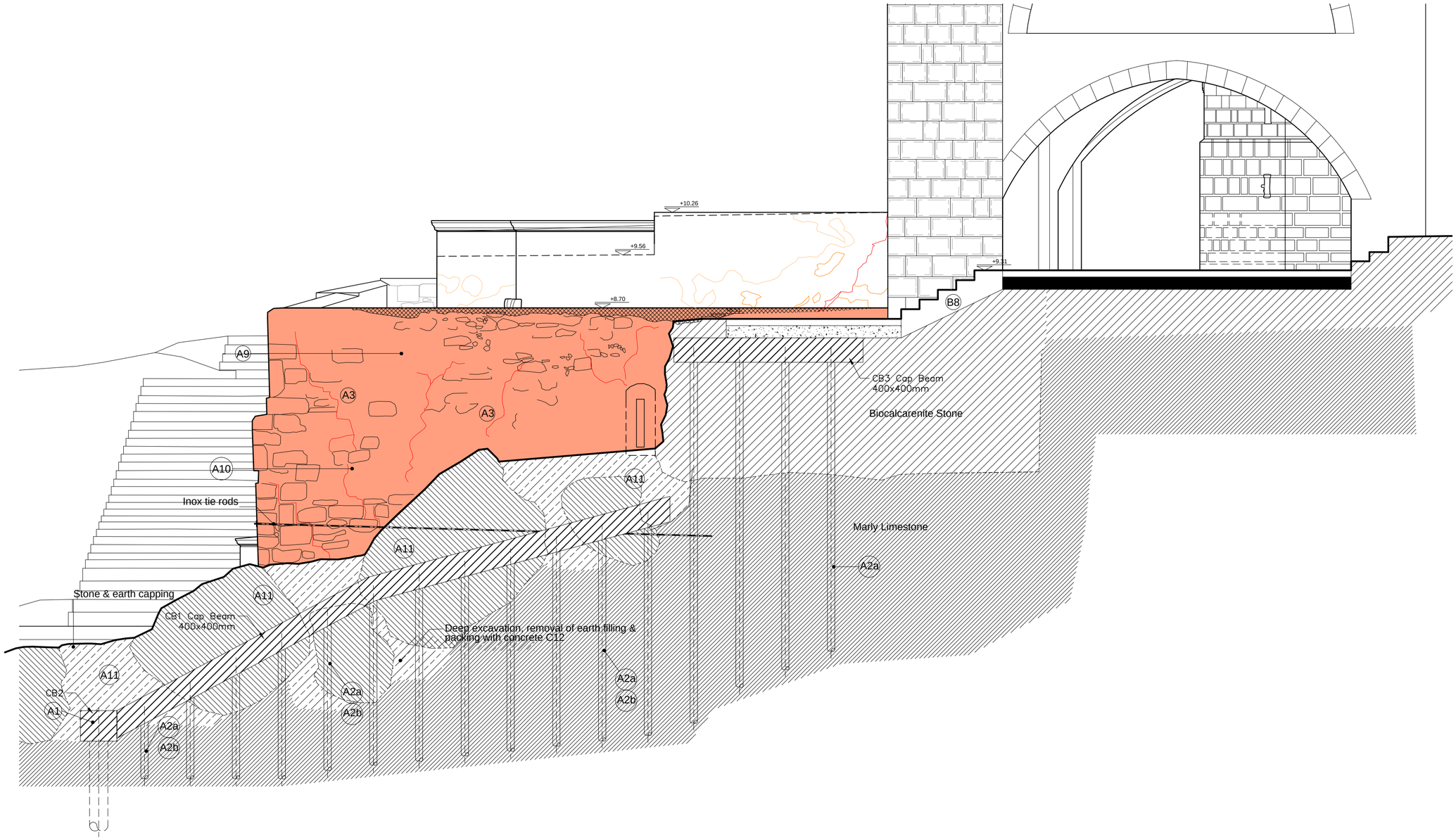
General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

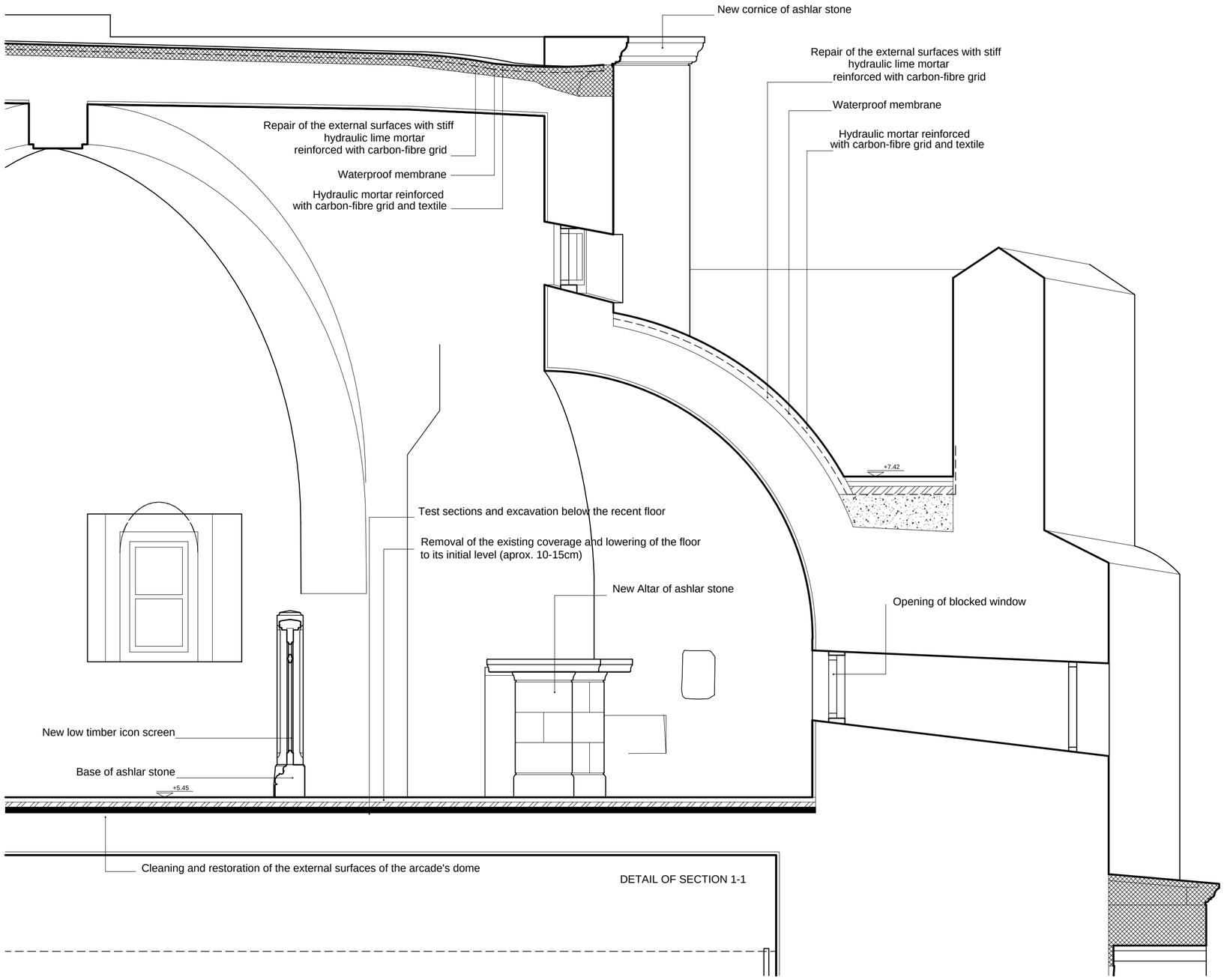
Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, architect-restorer
Collaborators:
N. Kalathas, civil engineer
G. Demetriades, civil engineer
O. Monogios, electrical engineer
L. Vacanas, mechanical engineer
Ch. Makris, quantity surveyor
G. Dogani, antiquities conservator
A. Galanou, antiquities conservator

Title: PROPOSAL
SECTION 11-11
(NORTH ELEVATION)
Scale: 1:50

0 1

Date: April 2006
Rev. February 2016

Plate number: MCP17



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

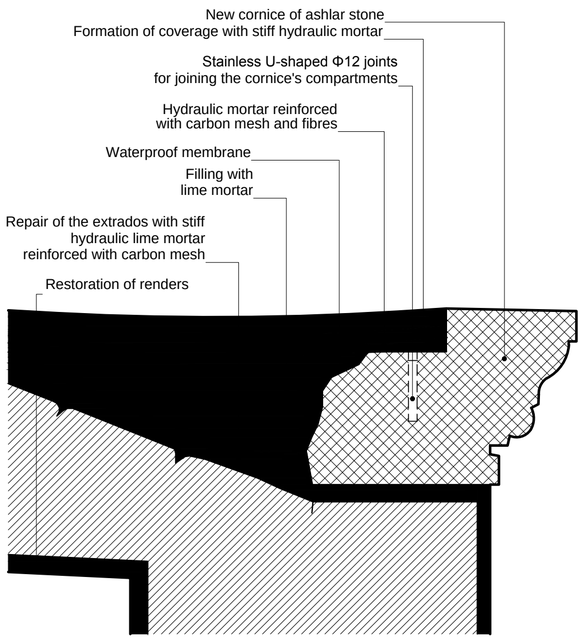
Title: PROPOSAL

DETAIL OF SECTION 1-1

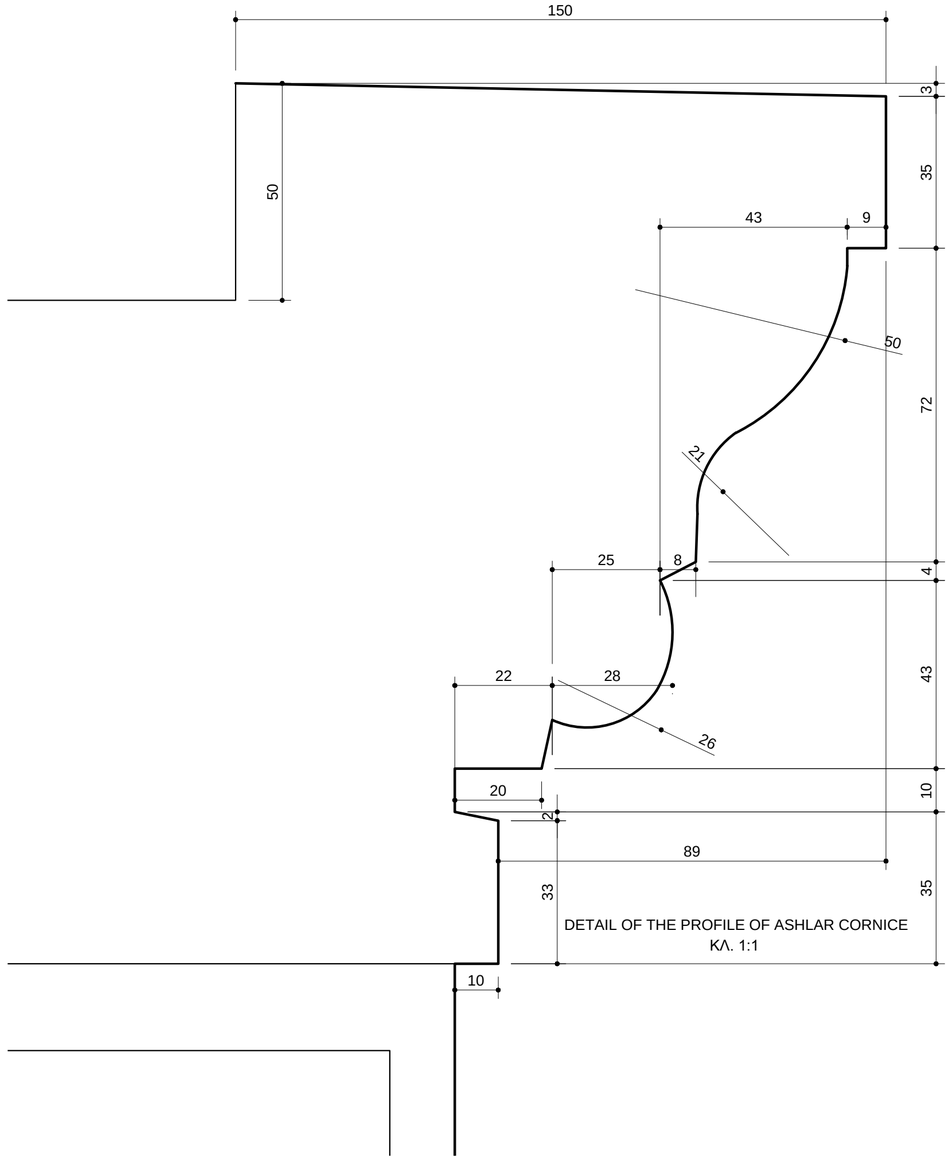
Scale: 1:20

Date: April 2006
Rev. February 2016

Plate number: MCP18



DETAIL OF SECTION
OF NEW ASHLAR STONE CORNICE
SC. 1:5



DETAIL OF THE PROFILE OF ASHLAR CORNICE
ΚΛ. 1:1

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

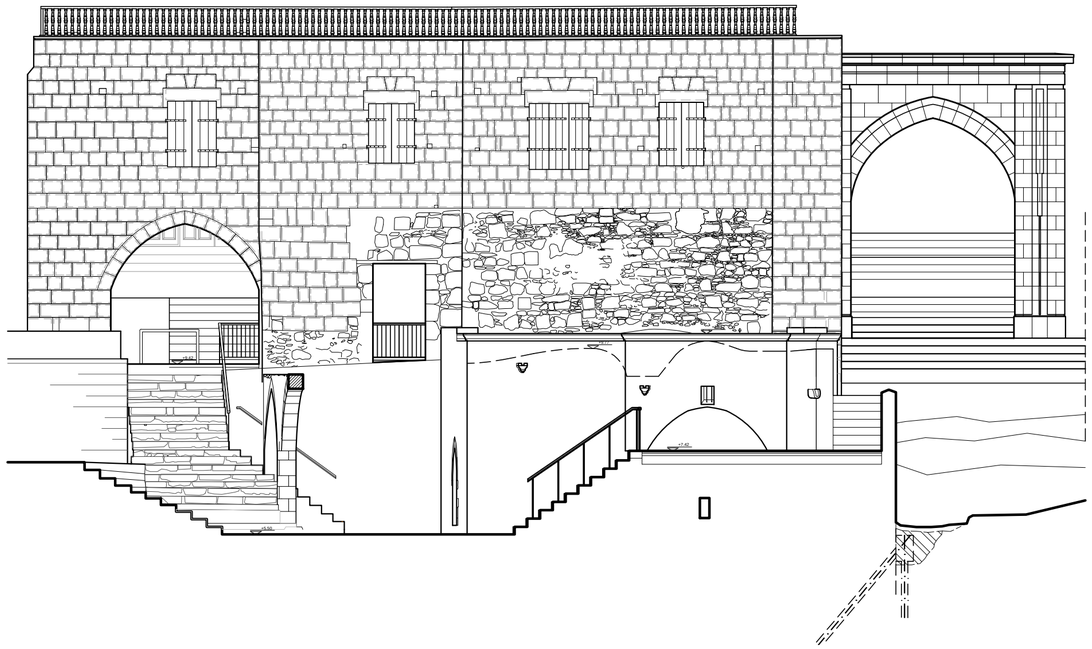
Title: PROPOSAL

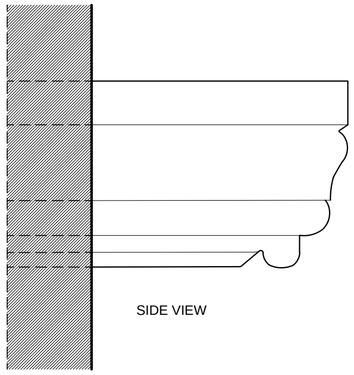
DETAIL OF ASHLAR CORNICE

Scale: 1:5, 1:1

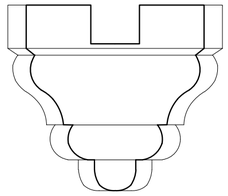
Date: April 2006
Rev. February 2016

Plate number: MCP19

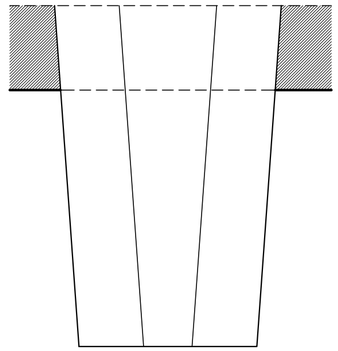




SIDE VIEW

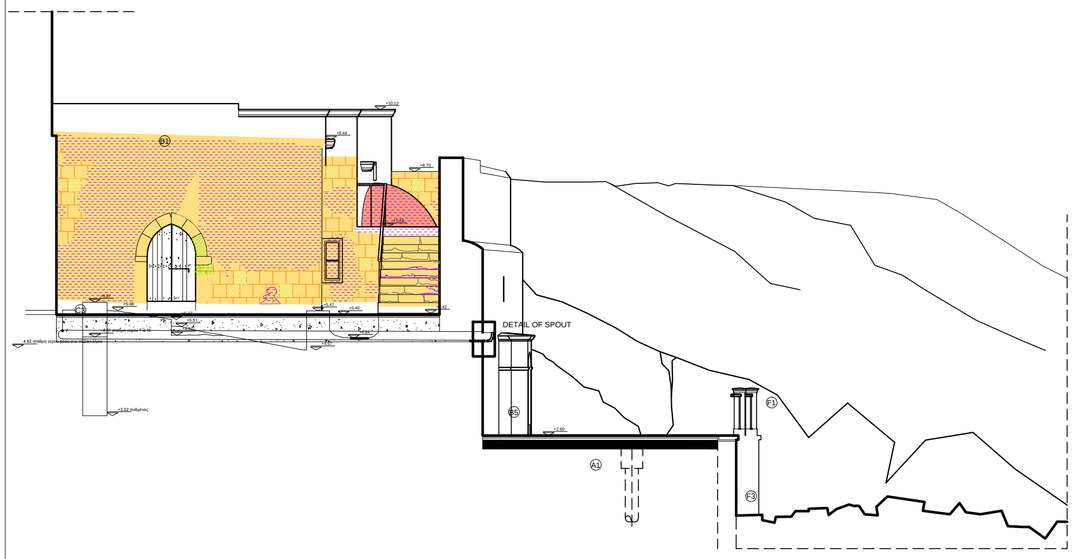


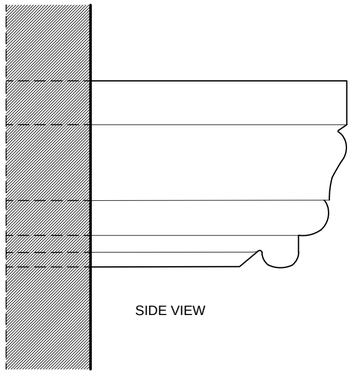
FRONT VIEW



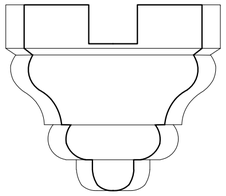
VIEW FROM THE TOP

DETAILS OF SPOUT
A-TYPE

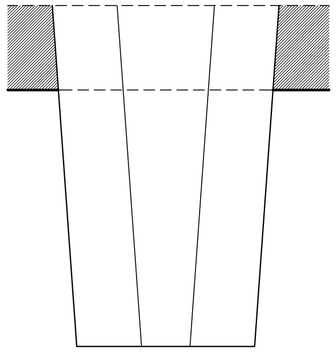




SIDE VIEW



FRONT VIEW



VIEW FROM THE TOP

DETAILS OF SPOUT
A-TYPE

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

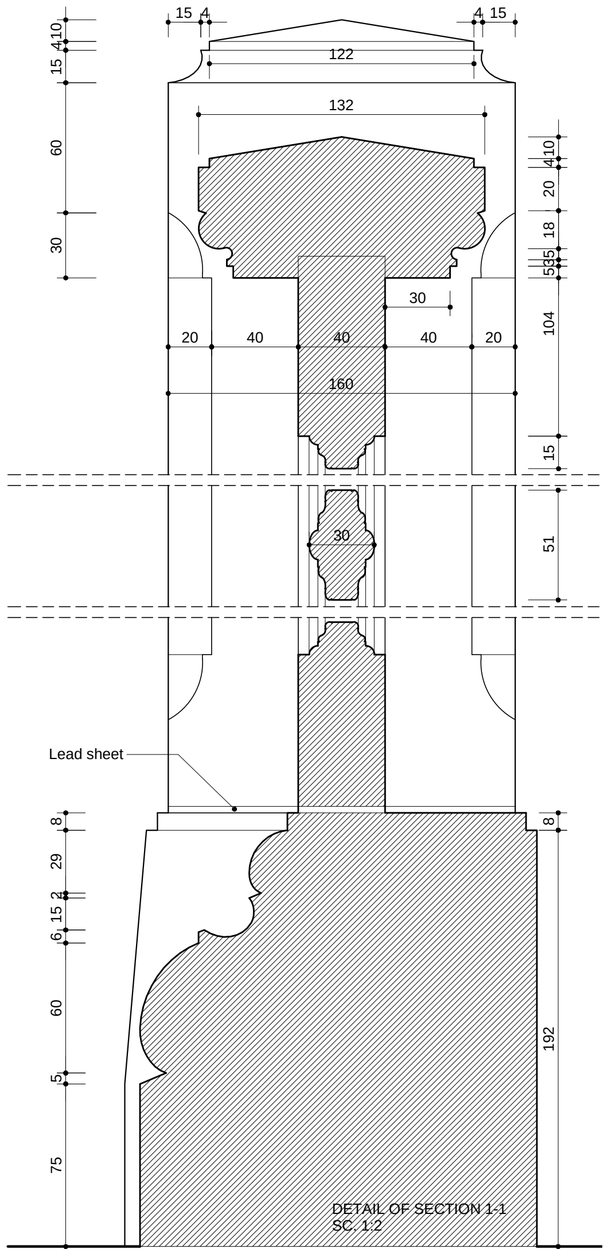
Title: PROPOSAL

DOORWAY, SPOUT

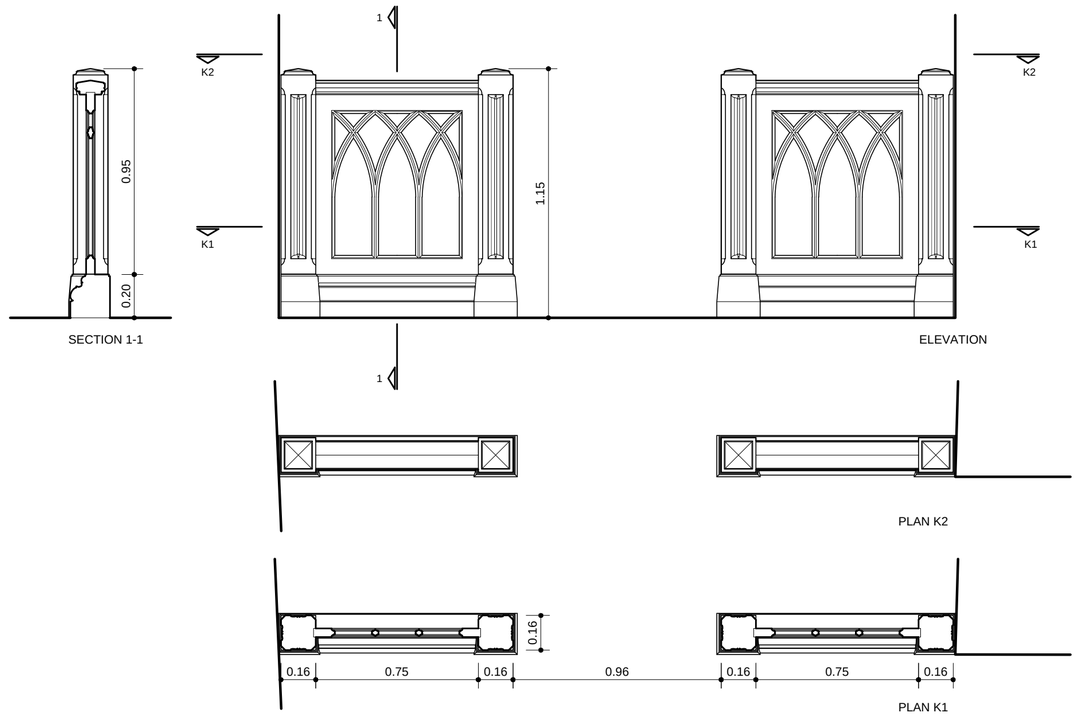
Scale: 1:100, 1:5

Date: April 2006
Rev. February 2016

Plate number: MCP20

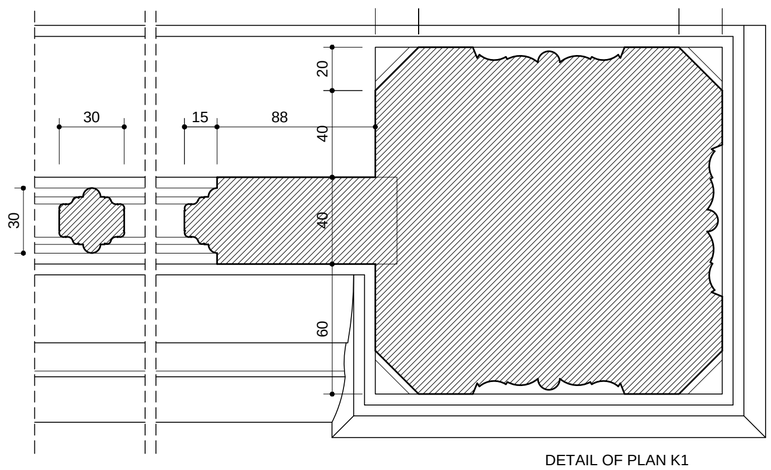


DETAIL OF SECTION 1-1
SC. 1:2



MARBLE ICON SCREEN

SC 1:20



DETAIL OF PLAN K1
SC. 1:1

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

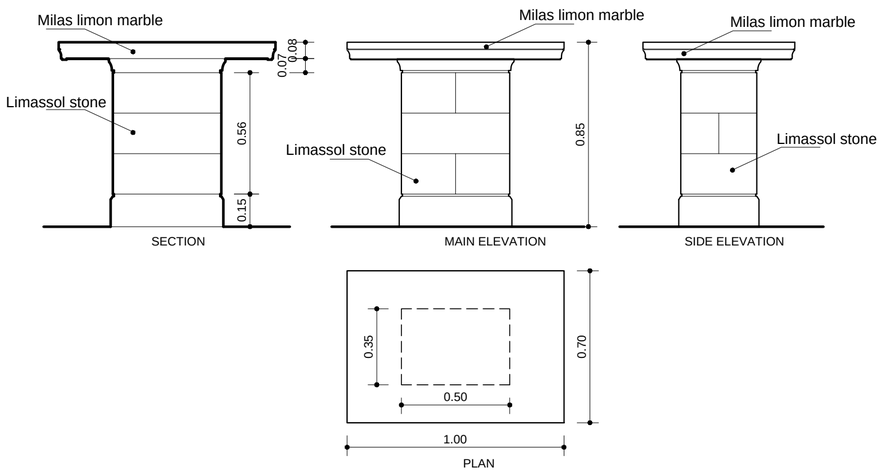
Title: PROPOSAL

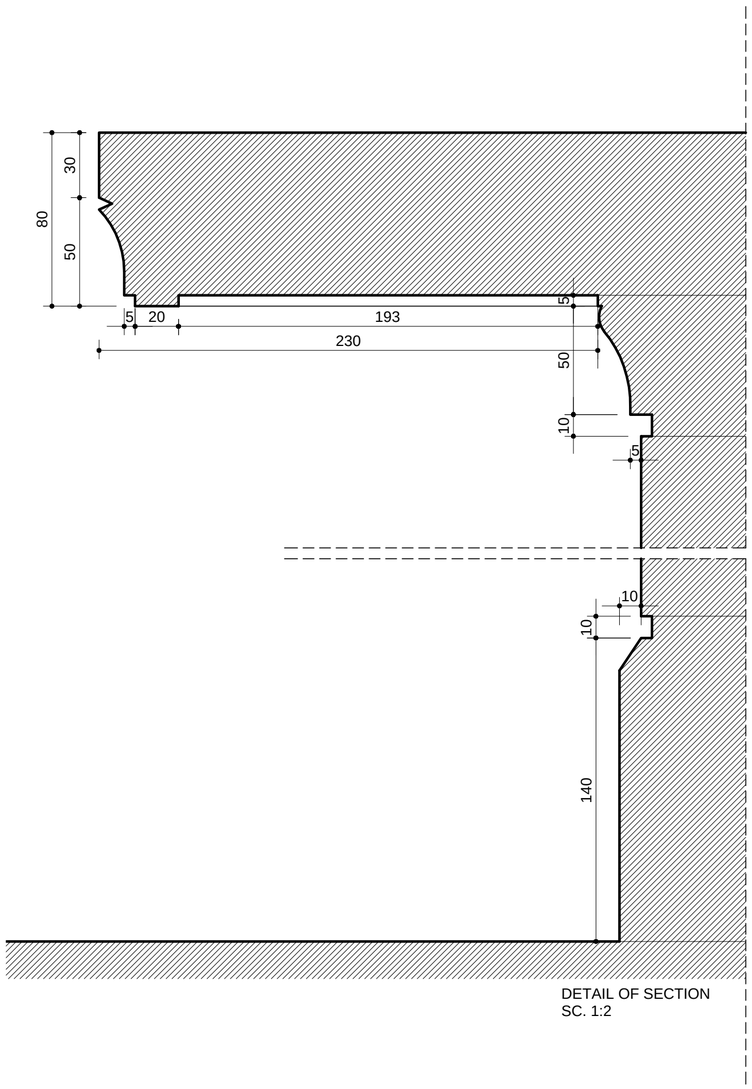
DETAIL OF ICON SCREEN

Scale: 1:20, 1:2, 1:1

Date: April 2006
Rev. February 2016

Plate number: MCP21





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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

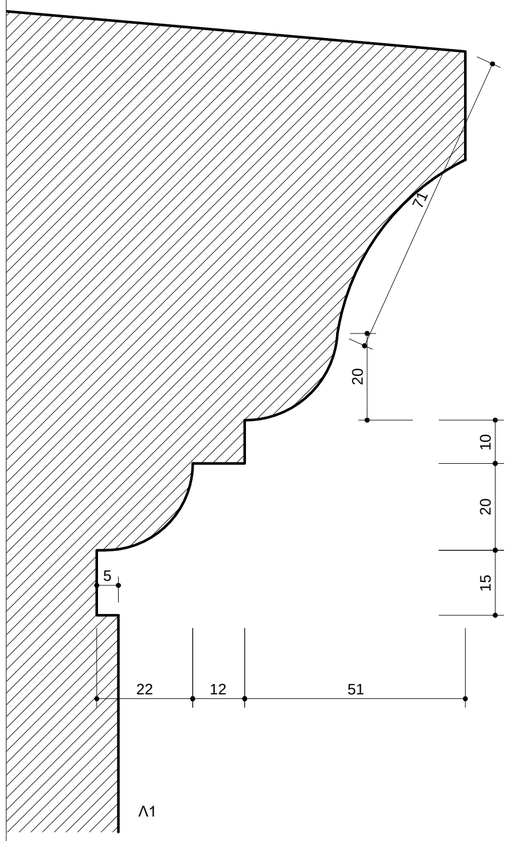
Title: PROPOSAL

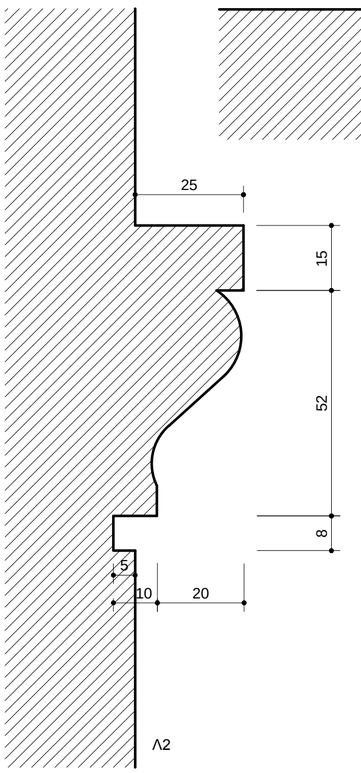
DETAIL of Holy Altar

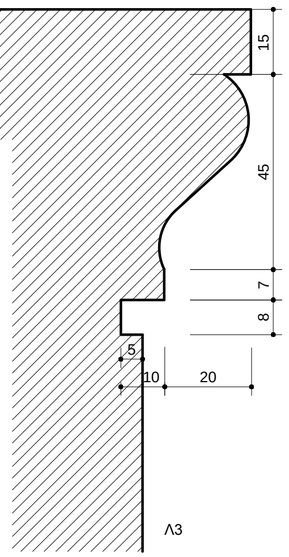
Scale: 1:20, 1:2

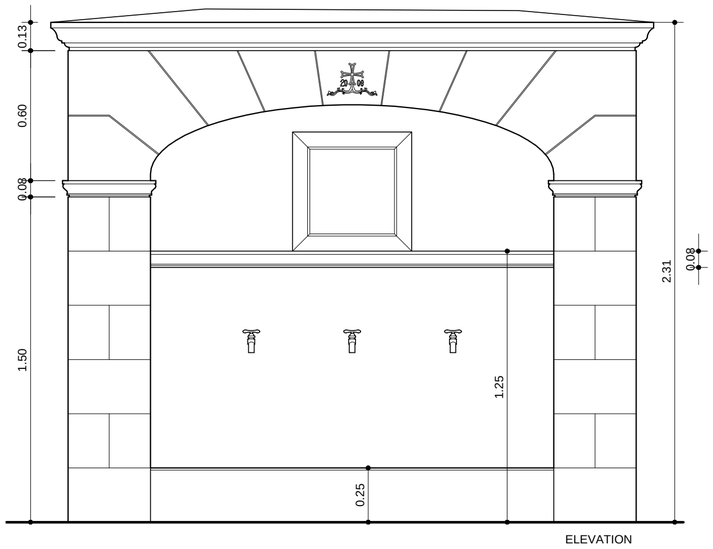
Date: April 2006
Rev. February 2016

Plate number: MCP22

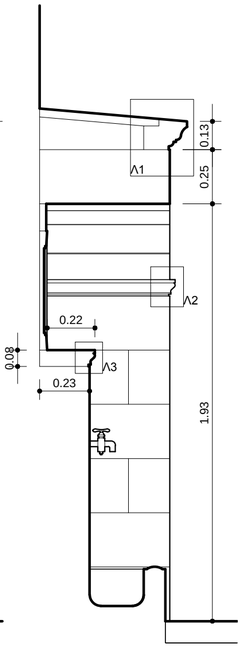




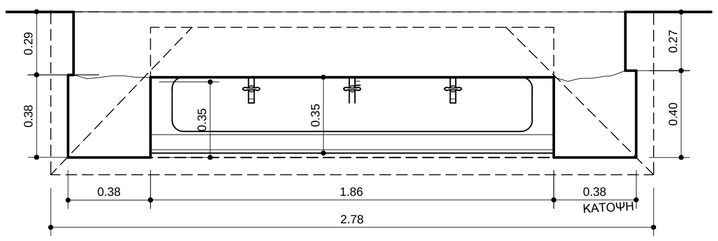




ELEVATION



SECTION



DETAILS OF AGIASMA
SC. 1:20

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

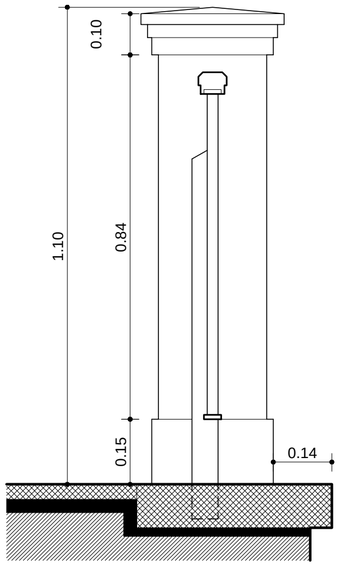
Title: PROPOSAL

DETAIL OF AGIASMA

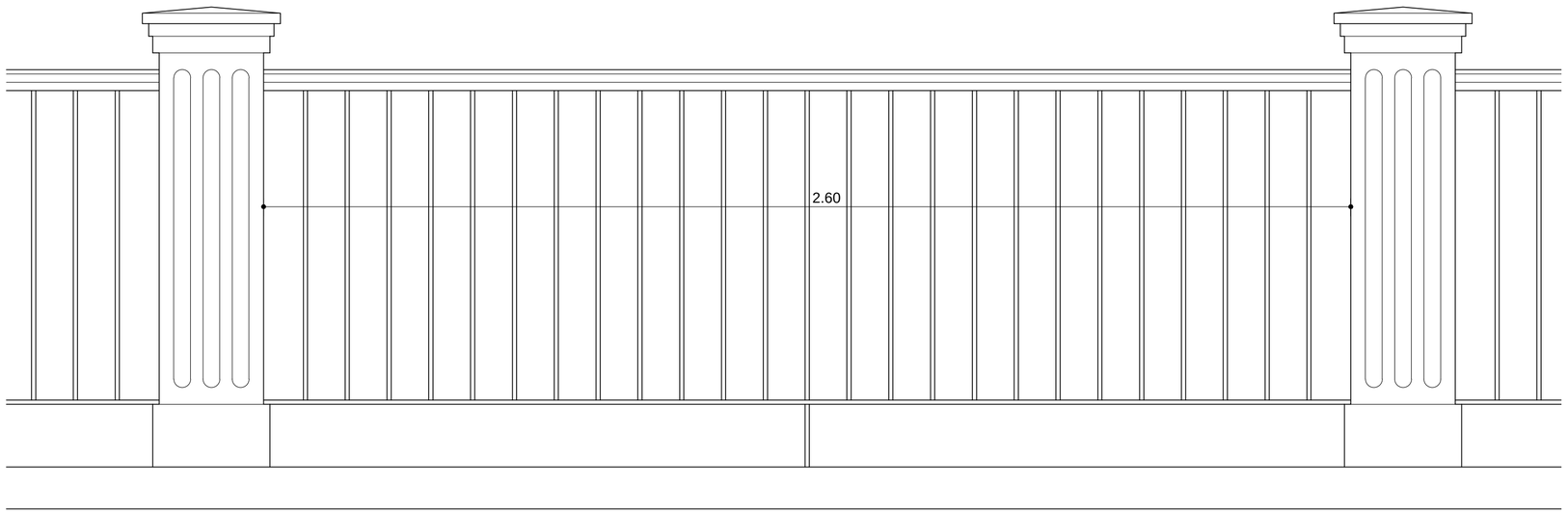
Scale: 1:20, 1:1

Date: April 2006
Rev. February 2016

Plate number: MCP23

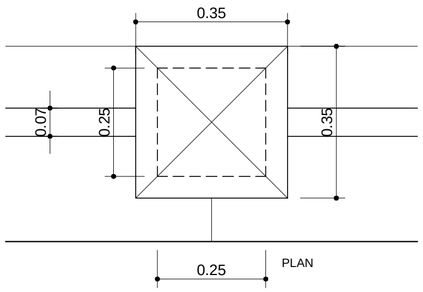


SECTION

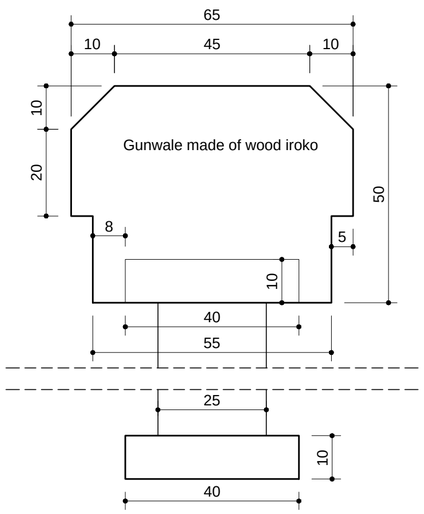


DETAILS OF SMALL PIERS & RAILING
SC. 1:10

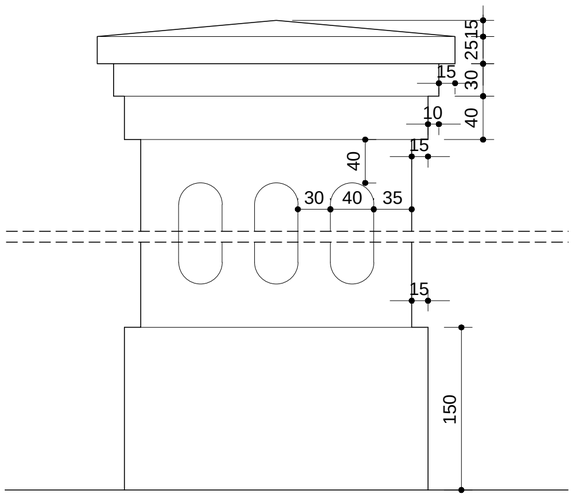
ELEVATION



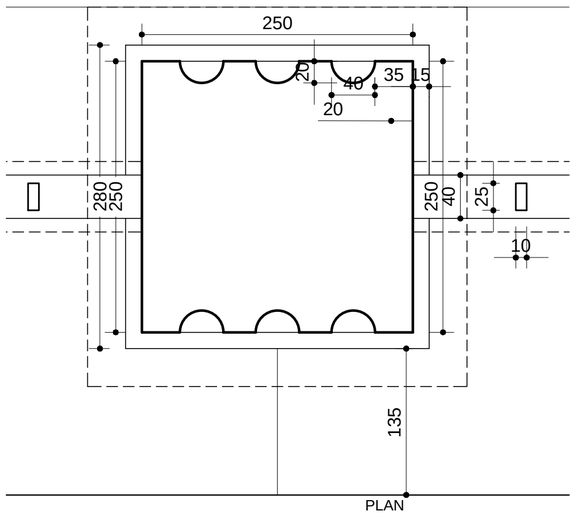
PLAN



DETAIL OF RAILING'S SECTION
SC. 1:1



ELEVATION



PLAN

DETAILS OF SMALL STONE PIER
SC. 1:4

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

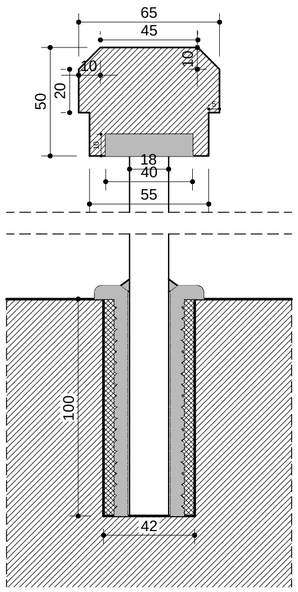
Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, architect-restorer
Collaborators:
N. Kalathas, civil engineer
G. Demetriades, civil engineer
O. Monogios, electrical engineer
L. Vacanas, mechanical engineer
Ch. Makris, quantity surveyor
G. Dogani, antiquities conservator
A. Galanou, antiquities conservator

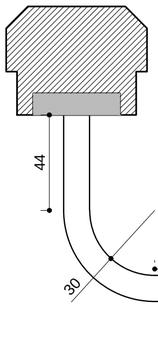
Title: PROPOSAL
DETAILS OF SMALL PIERS & RAILING

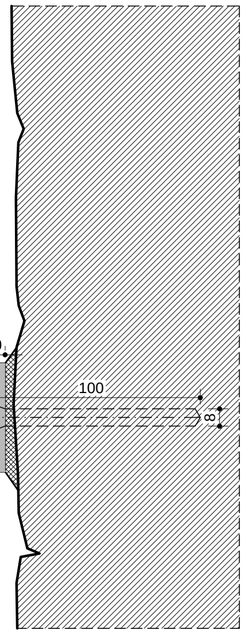
Scale: 1:10, 1:4, 1:1

Date: April 2006
Rev. February 2016

Plate number: MCP24

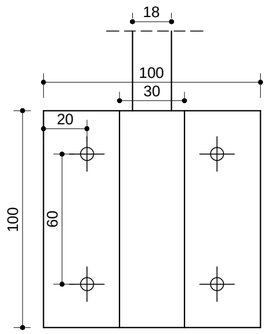


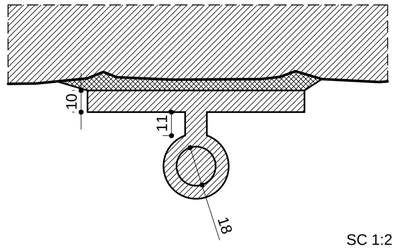




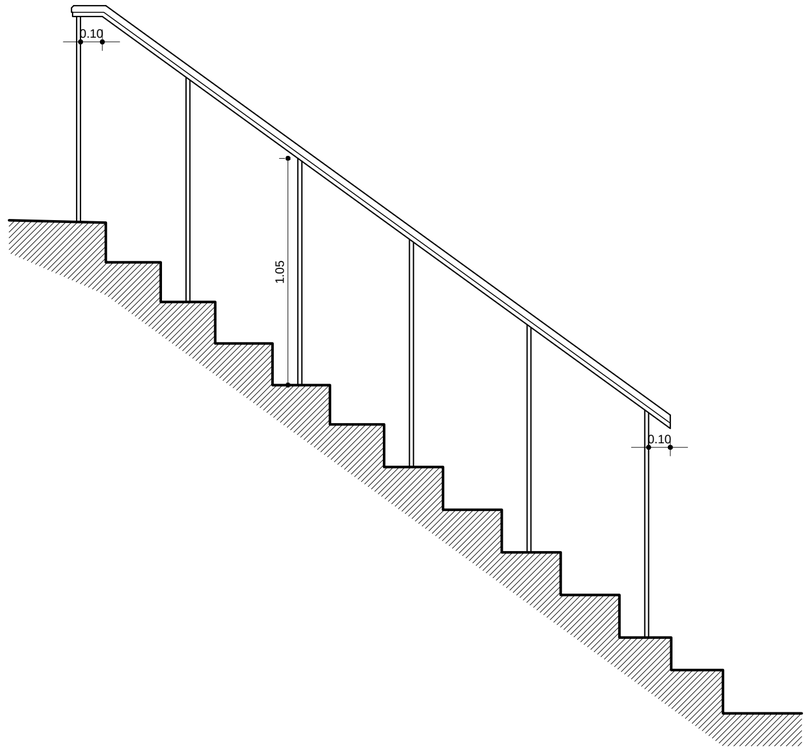
A-TYPE HANDRAIL

SC 1:2





SC 1:2



INDICATIVE PLACING OF RAILING
SC. 1:20

B-TYPE HANDRAIL

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

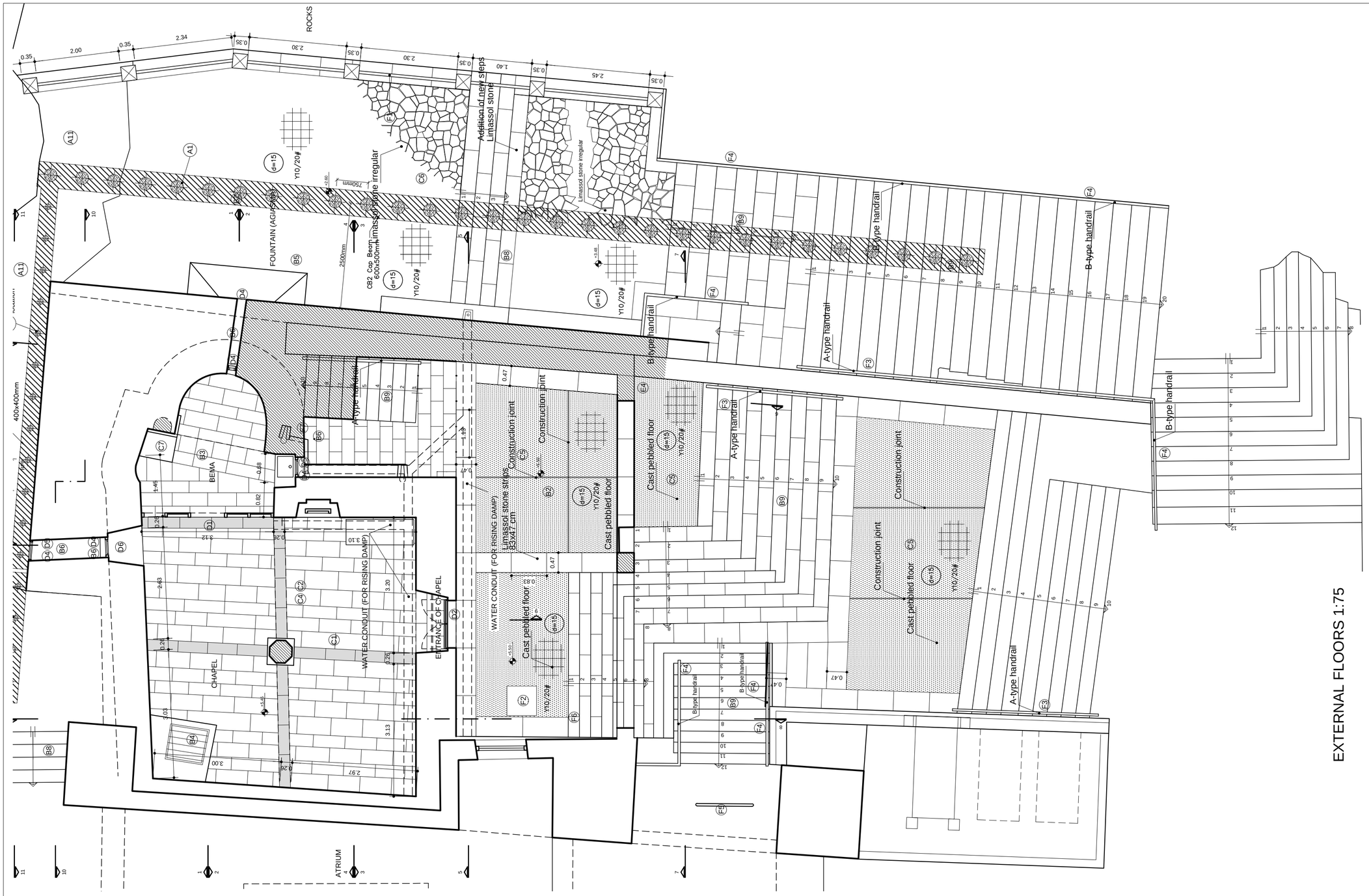
Title: PROPOSAL

DETAILS OF RAILING

Scale: 1:20, 1:2

Date: April 2006
Rev. February 2016

Plate number: MCP25



EXTERNAL FLOORS 1:75

KEY

- Existing structures
- Proposed structures
- New cast pebbled floor
- Stone strips
- Removal of cement-based render
- Repair of existing render/ new render
- Pointing
- Conservation of render
- Demolition of render
- Cast stone (mortar) repair
- Stone replacement
- Crack
- Gravel back filling

STRUCTURAL STUDY PROPOSAL

- Root piles vertical and at 45° angle
- Stainless steel tie rod
- Carbon fibre in strips of three layers
- Removal of the filling material
- Consolidation of the extrados of the domes

Structural reinforcements
A1 Location of the series of micropiles of 300mm diameter and length 10000mm-12000mm (MP1-MP30)
A2a Support of the foundation with vertical rootpiles of 120mm diameter and 8000-10000mm length(RP1-RP16)
A2b Inclined rootpiles at 45°, of 120mm diameter and 6000-8000mm length (RP5-RP16)
A3 Stitching of the masonry cracks
A4 Consolidation of masonry with hydraulic limemortar (pointing)
A5 Conservation of masonry (stone replacement)
A6 Consolidation of the external surfaces of the vaults with stiff hydraulic limemortar and carbon-fibre textile
A7 Cleaning and restoration of the external surfaces of vault (cleaning, grouting, stone consolidation)
A8 Addition of stone masonry
A9 Grouting with low pressure
A10 Grouting with quick set grout
A11 Removal of rocks for pile execution and relocation when the task is completed

General building construction works
B1 Reconstruction of cornice with dressed limestone (Limassol) (see P19)
B2 Demolish existing floor, place new concrete slab 150mm with a slight slope so as to drain rainwater
B3 Construction of the new Holy Altar (see P22)
B4 Removal of existing concrete caping of well. Construction of new SS & timber one
B5 Restoration of fountain (Agiasma) (see P23)
B6 Unblocking of a blocked window
B7 Conservation of the masonry surface
B8 Construction of new steps with thick local stone
B9 Repair-restoration of existing steps
B10 Gravel filling to form a horizontal level 5.45m
B11 Restoration of rendering

Floors
C1 Removal of soil (excavation)
C2 Reconstruction of the floor at level
C3 Construction of drainage system below the floor so as to reduce the rising dampness
C4 New Limassol stone floor
C5 New pebble floor with perimetric stone strips
C6 Reconstruction of floor with irregular shaped stone slabs (Limassol stone)
C7 New glass floor (see MCP27)

Joinery, doors & windows
D1 Addition of new marble icon screen (see P21)
D2 New door as existing one
D3 New batten door
D4 New glass window with SS frame
D5 New SS grille

Installations
E1 Laying of underfloor electrical power suppliers
E2 Reconstruction of piping supplying the Agiasma with stainless components
E3 Lower overflow pipe by 30 cm
E4 Removal of the old timber electrical post

Other works
F1 Reconstruction of parapet with small ashlar stone piers, metal railings and timber handrail (see P24)
F2 New stone capping of well
F3 New hand rail only (see MCP25)
F4 New railing (see MCP25)
F5 New railings to control the entrance

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

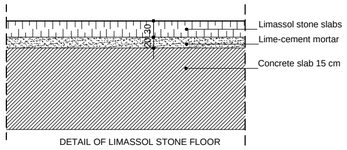
Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, architect-restorer
Collaborators:
N. Kalathas, civil engineer
G. Demetriades, civil engineer
O. Monogios, electrical engineer
L. Vacanas, mechanical engineer
Ch. Makris, quantity surveyor
G. Dogani, antiquities conservator
A. Galanou, antiquities conservator

Title: PROPOSAL
EXTERNAL FLOORS PLAN

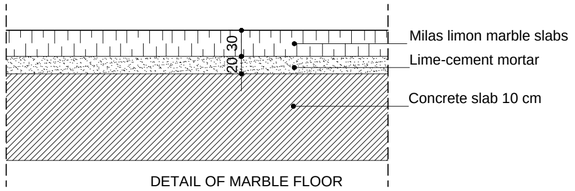
Scale: 1:75

Date: April 2006
Rev. February 2016

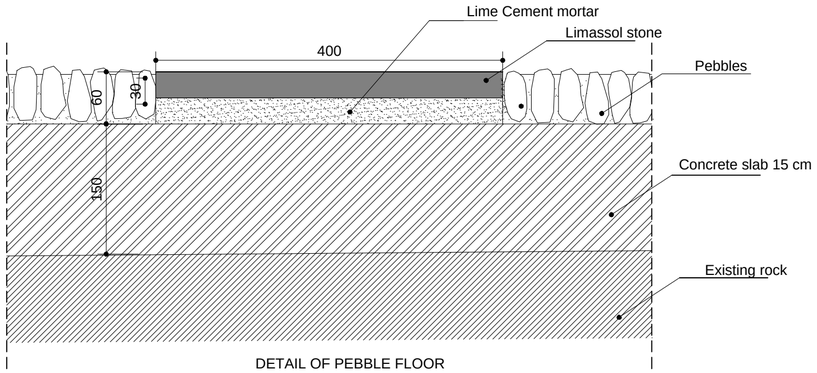
Plate number: MCP26



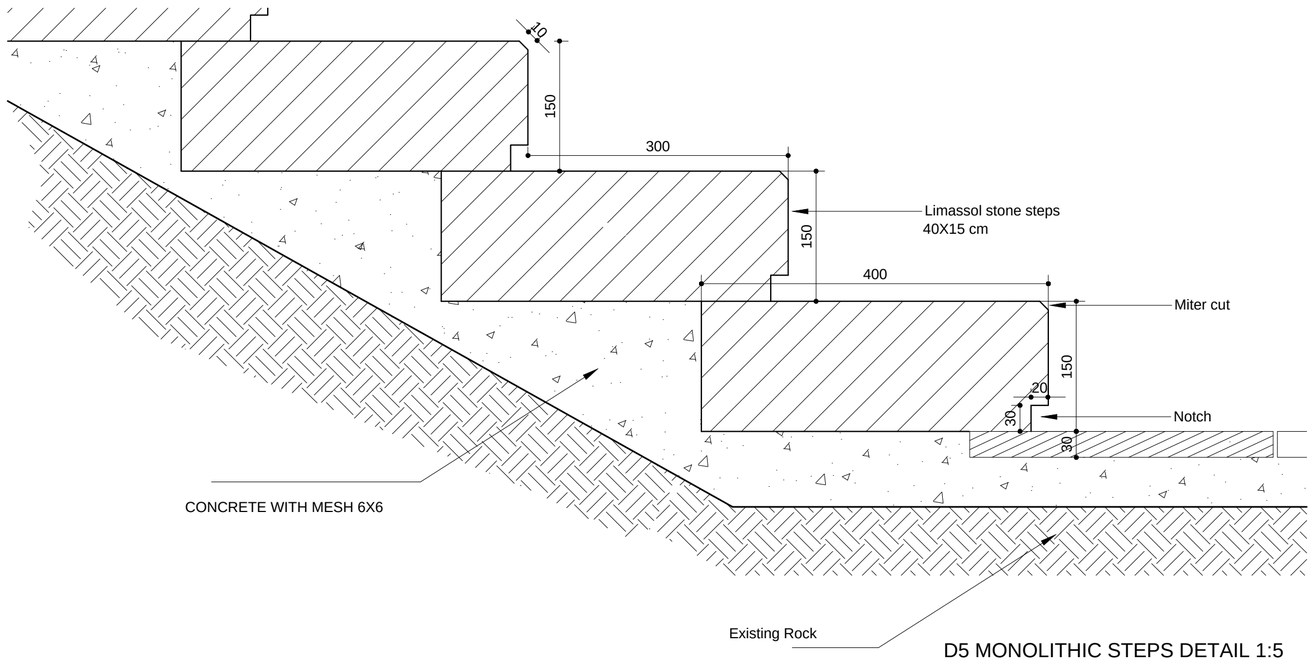
D1: AGIASMA FLOOR DETAIL 1:5



D2: MEDIEVAL CHURCH INTERNAL FLOOR 1:5



D3: MEDIEVAL CHURCH EXTERNAL FLOOR 1:5



D5 MONOLITHIC STEPS DETAIL 1:5

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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

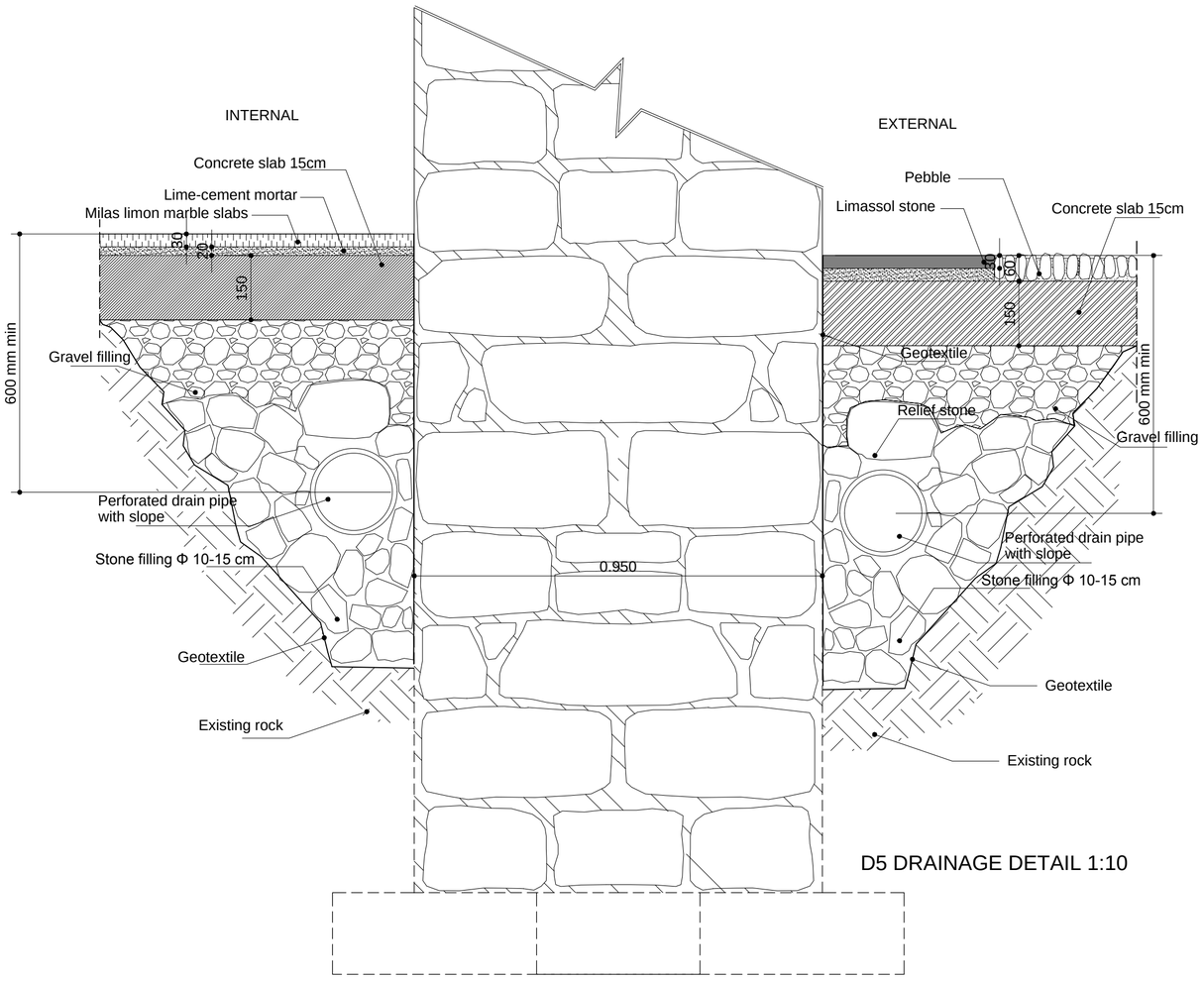
Title: PROPOSAL

DRAINAGE & OTHER DETAILS

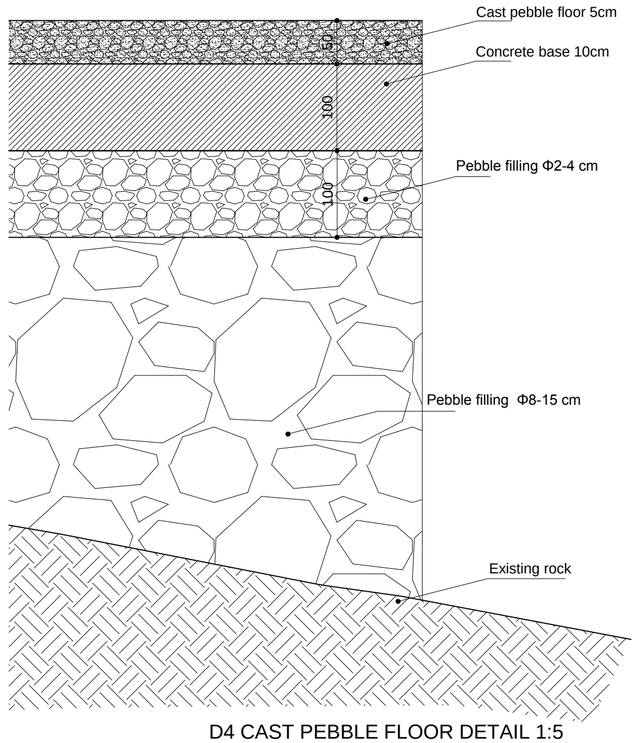
Scale: 1:5

Date: April 2006
Rev. February 2016

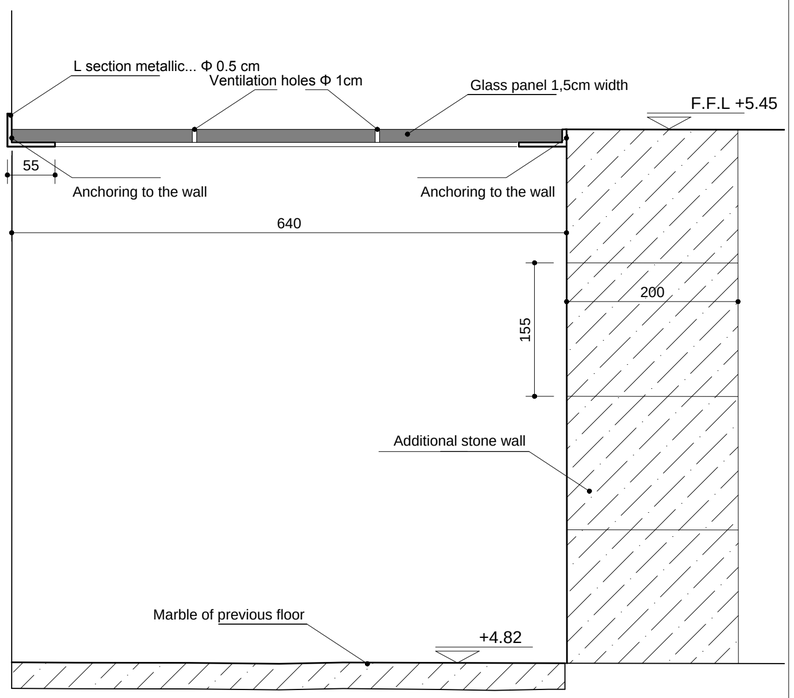
Plate number: MCP27



D5 DRAINAGE DETAIL 1:10



D4 CAST PEBBLE FLOOR DETAIL 1:5



D6 GLASS PANEL DETAIL 1:5

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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

DRAINAGE & OTHER DETAILS

Scale: 1:10, 1:5

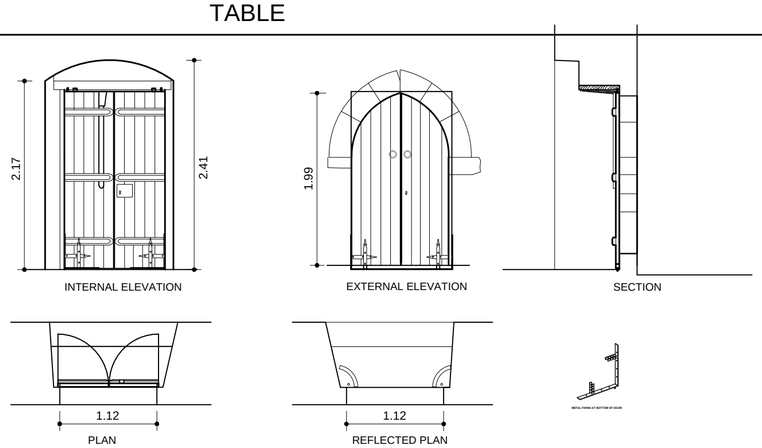
Date: April 2006
Rev. February 2016

Plate number: MCP28

TABLE

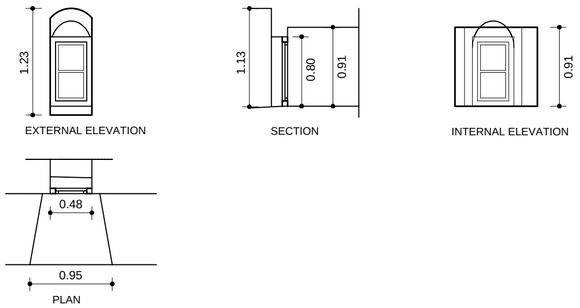
D101.1 X:1.12 Y:1.97

DESCRIPTION
Double-leafed batten door
PRESENT CONDITION
Local rot problems



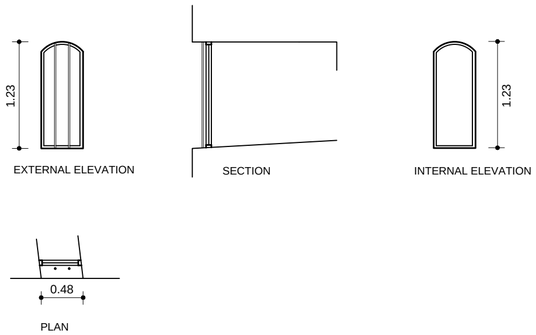
W101.1 X:0.48 Y:0.80

DESCRIPTION
single leaf with SS frame & glass



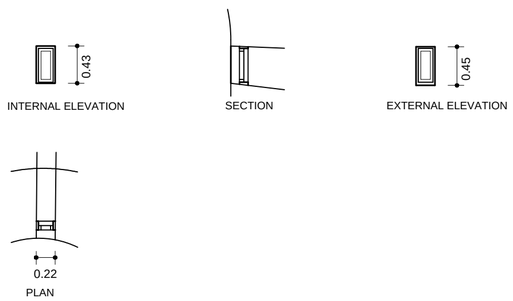
W101.2 X:0.48 Y:1.23

DESCRIPTION
SS frame with fixed glass (1cm thick) & external grille



W101.3 X:0.22 Y:0.45

DESCRIPTION
New window as W101.1

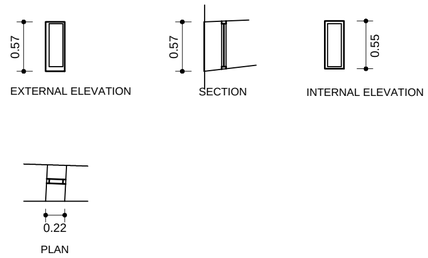


TABLE

W101.4 X:0.22 Y:0.57

NEW SCREEN

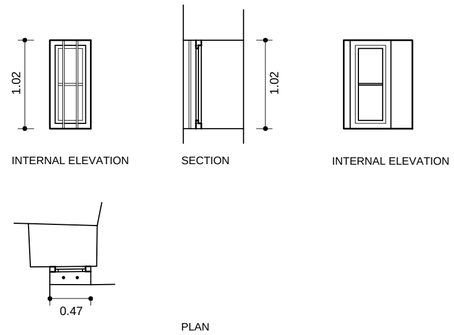
DESCRIPTION
New stainless steel frame as W101.2



W101.5 X:0.47 Y:1.02

NEW WINDOW

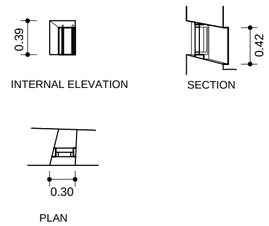
DESCRIPTION
New single glazing with external SS grille



W101.6 X:0.30 Y:0.39

NEW WINDOW

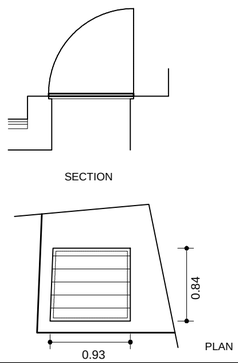
DESCRIPTION
New folding window with frame of stainless steel as W101.2



W101.7 X:0.93 Y:0.84

NEW COVERING OF WELL

DESCRIPTION
New covering of well made of SS frame & Iroko boards with hinges



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

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

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

PROJECT PHASE B:
IMPLEMENTATION
MEDIEVAL CHAPEL

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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: FINAL PROPOSAL

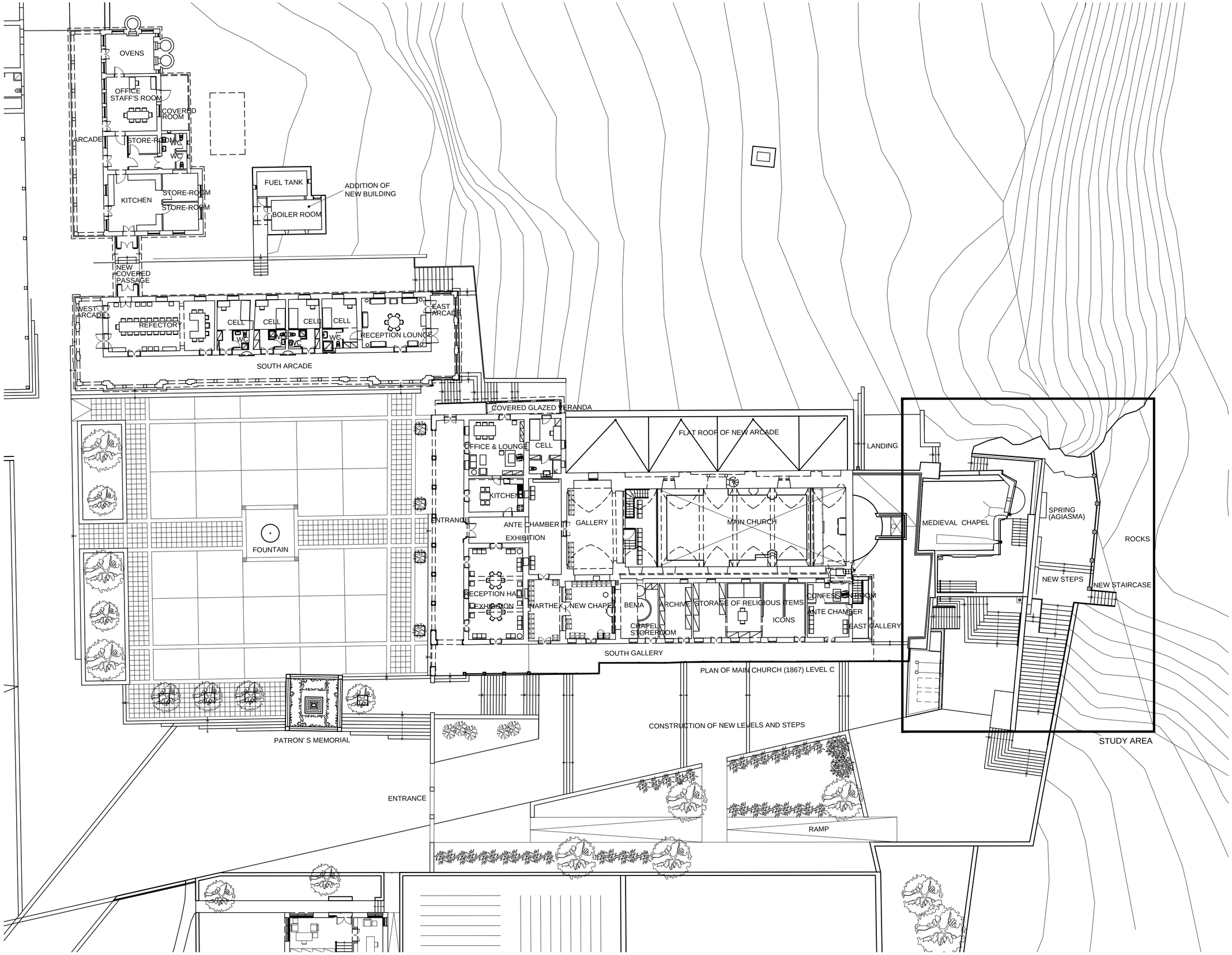
DOORS & WINDOWS TABLE

Scale: 1:50

0 1 2 3

Date: April 2006
Rev. February 2016

Plate number: MCP29



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

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

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

PROJECT PHASE B: IMPLEMENTATION MEDIEVAL CHAPEL (MC)

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

Director : Professor N.D. Polydorides
Main Researcher:
P. M. Koufopoulos, Assistant Professor
Scientific advisors:
S.V. Mamaloukos, Assistant Professor
D.M. Myrianthefs, architect-restorer
M.M. Myriantheos, 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

PLAN OF MAIN BUILDING COMPLEX

Scale: 1:250

0 5 10 15

Date: April 2006

Plate number: T1