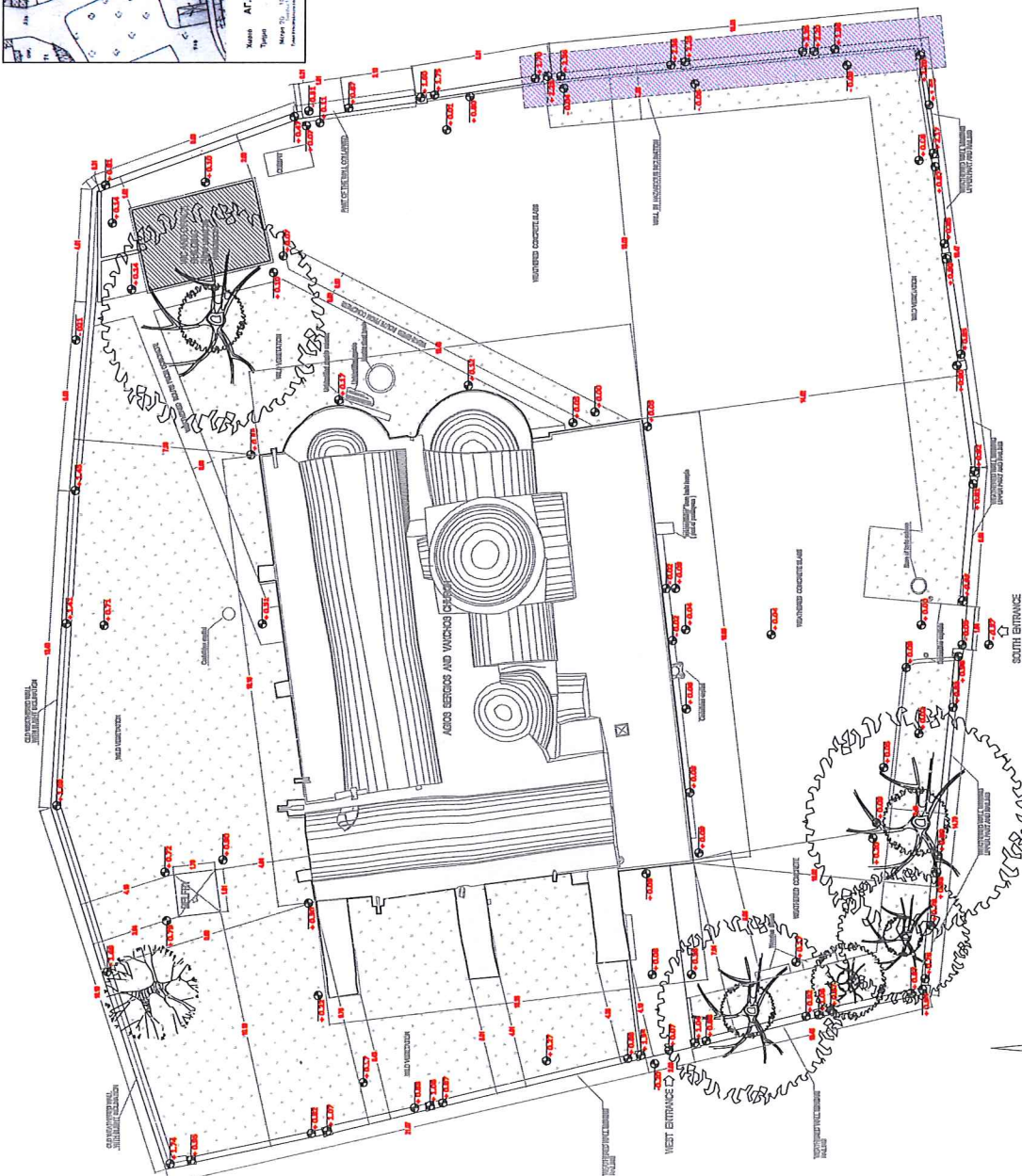
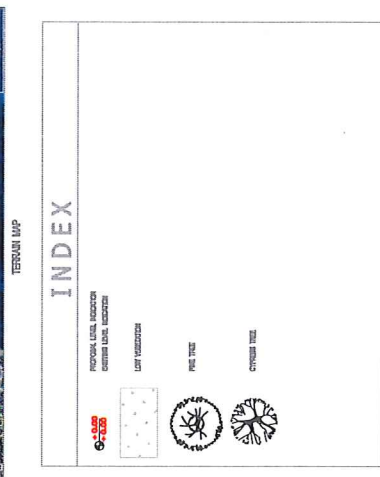
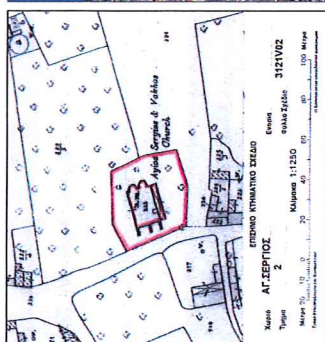




SITE PLAN - Existing



United Nations Development Programme

Representatives





This is a Project of the Technical Committee on Cultural Heritage

Project Title :
Church of AG. SERGIOS AND BACCHUS
in Ag. Sergios / Yeni bogazici

Design :	Name :	Surname :	License no :
Architect :	Dimitrios	Angelopoulos	A10349
Civil Engineer :	Loizos	Hadjigeorgiou	A027067

Designer Team: Panikos Menalikou Land Surveyor
Marta Angelopoulou Student of Architecture

Date :	5 / 2018	Scale :	1 : 100
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Drawing name : SITE PLAN	Drawing no. :
	A-Ex 01

Sign and Stamp

*The opinions expressed are purely those of the design team and shall not in any circumstances be regarded as stating an official position of the United Nations Development Programme and the European Commission.

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1. EXISTING SITUATION

Agios Sergios and Bacchos church is in current situation in an irregular layout with two walls, two semicircular apses, one narthex and in the south a portico with area. The church is a composition of the extension parts, one of them for supporting, built in different time periods. The church does not look like any other type of buildings. The Byzantine icons of the iconostasis were removed after 1974. The light iconostasis did not last with many damages. However many of the parts have been removed or repaired. The lower part of the left iconostasis has been removed where the ladder cycle was. The roof appears of two barrel type vaults and flat surfaces also two vaults. The portico is covered of concrete slab. Three buttresses and also three pillars, to the west side, support the west wall of the narthex. Four pillars support the north wall. It is not clear how the two spans covered of vault walls.

At the walls of the church there have been built of other structures either with hydraulic render. Fragments and parts of ancient monuments have been used in supporting and construction materials.

Programs from ancient monuments are also visible in the courtyard. The church is built on a hillside and the ground level is not uniform. The church is built on a hillside and the ground level is not uniform. The church is built on a hillside and the ground level is not uniform.

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1. SOUTH SIDE



2. SOUTHEAST SIDE



3. PORTICO



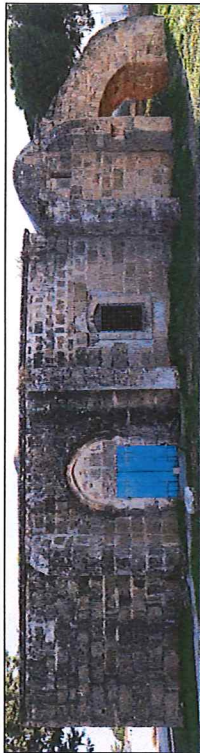
4. WEST SIDE



5. NORTHWEST SIDE



6. EAST SIDE



7. NORTH SIDE



8. SOUTH EDGE OF NARTHEX

2. BUILDING ANALYSIS

The original construction part was possibly built in the early 13th century. It was a cruciform fortified building with a dome covered with a vault. Four arches support the dome. It has a semicircular apse, where there is a marble altar. For the extension the foundations were used, probably from other found in Salamis. Additional marble were found in the part of the construction, very added on later interventions.

According to our research on the site, we conclude that the intervention developed constructively as follows:

The second stage was added to the west side of the church. It was a narthex covered with a barrel vault. (Sketch Stage 2) For that stage, a part of the west wall was removed.

The third stage was a dynamic intervention to the church. In the beginning, a round column was added to support the west part on the north and the south.

A new tower and also a side arch were added under the north wall. The major part of the north wall was removed. A new nave and also a new semicircular apse were added to the north.

The new part was covered with a barrel vault to the total length. This plan was added to the north wall for support. (Sketch Stage 3) It is remarkable the technique used for such a dynamic intervention, as the geometry and balance of the existing building changed dramatically, and for the building to collapse or beyond danger was very big. It is remarkable that the stability of the north wall after hundreds of years has only a few problems. The west wall of this part of the extension was removed on its lower part during the construction of the west wall, not very visible as the roof of narthex covers it. Inside the extension, two supporting arches support the tower wall, positioned where the external pillars positioned.

The fourth stage was a new service added to the west side of the church as a transverse arrangement. This part is an autonomous construction without a connection joined to the body of the existing building and also just touching it to the west side. The end of the new service extension is supported on two arches that bridge the opening and support the one side of the barrel vault is covered from the west wall. (Sketch Stage 4) This stage is clearly added to the south part of the church between the 4th and 5th stages.

The fifth stage was to support the wall of the narthex, probably of an instability of this part of the building. Three stone flying buttresses added to the west wall and one pillar to the north wall. (Sketch Stage 5) It is not clear how the two spans covered of vault walls.

The sixth stage was the construction of the narthex, where it is a lower extension between them and the walls. The narthex was added to the south side of the church, where it is a lower extension between them and the walls. The narthex was added to the south side of the church, where it is a lower extension between them and the walls.

During the history of 1950, the building was added to the south side of the church, where it is a lower extension between them and the walls. The narthex was added to the south side of the church, where it is a lower extension between them and the walls.

There are making architectural and decorative interventions. The first construction, the building church is a typical post-Byzantine church. The construction is divided by thinking the idea of a regular dome over a square plan. Well equipped wider ground were used for the extension.

This building was the extension of the dome, but the only part of that stage not covered by gables and piers. The same type of dome were used for the next stages of the construction, except the narthex. At some point of the two main volumes of the dome were added. These were added with a long, being thick type of hydraulic plaster. This layer will cover the total area of the roof.

The floor is covered with irregularly shaped crystal pavement tiles, but we are not sure of the period they added. The secondary floor covered with limestone slabs and the left side boundary.

The second stage was used as a service. It has characteristics of both elements as it has four barrel vaults to support the third vault. The ceiling whether may be covered or formed in later period.

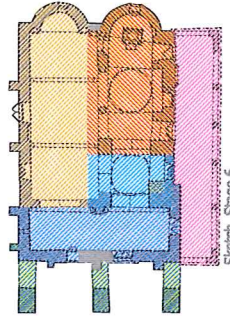
The third and fourth stages have many characteristics of both elements as the lower arches over the entrance, the subterranean gallery on the roof, the decorative sculpture stones at the west, upper end of the north wall. There is also flexible decorative parts like them around the north and West. Entrance, elements we need in traditional monuments in Crete.



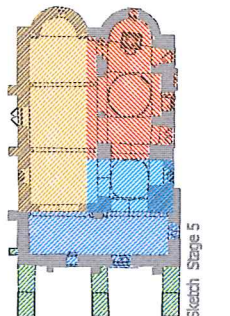
10. HISTORICAL PHOTO A



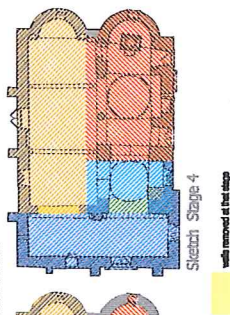
10. HISTORICAL PHOTO B



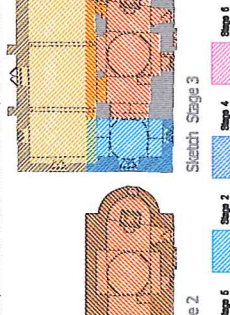
Sketch Stage 6



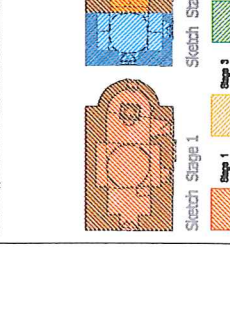
Sketch Stage 5



Sketch Stage 4



Sketch Stage 3



Sketch Stage 2



Sketch Stage 1



Project Title:
**Church of AG. SERGIOS AND BACCHOS
In Ag. Sergios / Yenibogazici**

Design:	Name:	Surname:	Licence no.:
Architect:	Dimitrios	Angelopoulos	A10349
Civil Engineer:	Lobos	Hadjigeorgiou	A027067

Designer Team: Pantikos Menikou Land Surveyor
Maria Angelopoulou Student of Architecture

Date:	5 / 2018	Scale:	
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Drawing name:
**1. EXISTING SITUATION
2. BUILDING ANALYSIS**

Drawing no.:	A-Ex 02
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Sign and Stamp

The authors expressed on every form of the design team and shall not in any circumstances be regarded as liability on other parties of the Urban Values Development Programme and the European Commission.

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3. Special Elements

There is a number of special elements some of them found embedded in the construction. Some of them highlight the architectural character of the monument.

The Altar. A decorated altar found in the courtyard. The four pillars made marble columns with elaborate bases and capitals, support a three and a half square, dome-like top, finished off a cone shaped vault. The altar section is also painted. (11)

On the floor of the right hand courtyard was found a broken candelabrum made of sky-blue coloured marble. (12)

A Pheidon capital that is very rare to be found, support the two small arches of the north-east. It was moved from the village of IOL, which was a Pheidon colony from the 11th to the 10th century B.C. (13)

Two ephebeion fragments that support the east side of the central arch were found between the two main entrance. (15)

Another part of ephebeion was positioned and was used as a shelf of the window in the right side of the church. (16)

There are marble bed-plates on the beams of the arches that support the bed vault. These types of marble are not found in Cyprus. It is possible that these marble have been taken from the ruins of ancient monuments of Hellenistic. (17)

There is a particularly explained decorative stone on the south side of the central entrance. It is possible that it was installed there to support a lamp in order to light the side of the entrance. (18)

A part of a Doric column with its capital supports two arches of the porch. (20) The origin of the columns of the porch is not identified.

A part of a corner side of ephebeion with decoration of acanthus was visible and attached to the Doric column by the porch. (21)

A Doric capital and a Doric column were found to support the two arches of the porch. (22)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (24)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (25)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (26)

There is a Doric column with its capital supports two arches of the porch. (27) The origin of the columns of the porch is not identified.

A Doric capital and a Doric column were found to support the two arches of the porch. (28)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (29)

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A Doric capital and a Doric column were found to support the two arches of the porch. (32)

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A Doric capital and a Doric column were found to support the two arches of the porch. (36)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (37)

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A Doric capital and a Doric column were found to support the two arches of the porch. (40)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (41)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (42)

There is a Doric column with its capital supports two arches of the porch. (43) The origin of the columns of the porch is not identified.

A Doric capital and a Doric column were found to support the two arches of the porch. (44)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (45)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (46)

There is a Doric column with its capital supports two arches of the porch. (47) The origin of the columns of the porch is not identified.

A Doric capital and a Doric column were found to support the two arches of the porch. (48)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (49)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (50)

There is a Doric column with its capital supports two arches of the porch. (51) The origin of the columns of the porch is not identified.

A Doric capital and a Doric column were found to support the two arches of the porch. (52)

A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (53)

There are two Doric columns and one Doric capital found in the courtyard. It is possible that some of them or all of them were used to support the porch. (54)

There is a Doric column with its capital supports two arches of the porch. (55) The origin of the columns of the porch is not identified.

A Doric capital and a Doric column were found to support the two arches of the porch. (56)

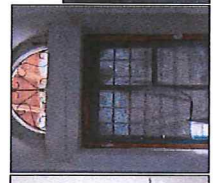
A Doric column is installed from the south side of the entrance. The use of it was to support the Doric capital. (57)



10. DECORATIVE ARCH



17. MARBLE PILLOW



15. EPHEBEION



14. EPHEBEION CAPITAL



13. DEDICATIVE INSCRIPTION



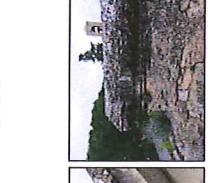
12. CANDELABRUM TABLE



11. ALTAR



27. DECORATIVE EXTRUDED STONES



25. ROOF EDGE FRAME TYPE



24. STONE BASE FOR FLAGSTAFF



23. DORIC COLUMN



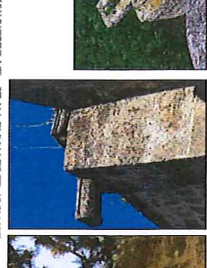
22. DORIC CAPITAL



21. EPHEBEION



20. DORIC CAPITAL-COLUMN



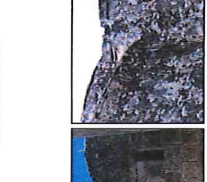
35. SPOUT NORTHWEST SIDE



34. BOTTOM OF SPOUT



33. MISSING SPOUT IN EAST SIDE



32. RUST STONE TOP SIDE



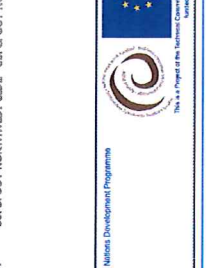
31. SPOUTS, PILASTER, ROOF EDGE



30. RUST STONE DETAIL



29. TOP OF SPOUT NORTH SIDE



42. BOTTOM OF SPOUT WEST SIDE



41. BOTTOM AND TOP OF SPOUT WEST SIDE



40. BOTTOM OF SPOUT NORTH SIDE



39. TOP OF SPOUT NORTH SIDE



38. BOTTOM OF SPOUT NORTH SIDE



37. SPOUT NORTH SIDE



36. SPOUT NORTHWEST SIDE



48. CORINTHIAN CAPITAL



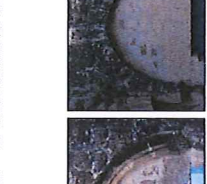
47. FRANKISH STYLE DOOR



46. WEST DOOR LANCET ARCH



45. NORTH DOOR LANCET ARCH



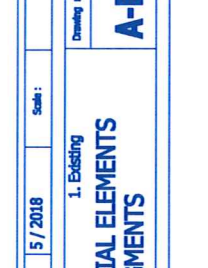
44. BROKEN SPOUT WEST SIDE



43. TOP OF SPOUT NORTH SIDE



50. MARBLE COLUMN AND MARBLE PIECE



51. DORIC CAPITAL & FOUNTAIN PIECE



52. FOUNTAIN DECO



53. MARBLE BASIN



54. SPIRAL COLUMN

4. Fragments in the Courtyard

There is a number of fragments in the courtyard. Some of them were added recently. Some others were moved from somewhere else.

The fragments that were found are:

A Corinthian capital in the courtyard. It was found in the courtyard. (46)

A Corinthian capital in the courtyard. It was found in the courtyard. (47)

A Corinthian capital in the courtyard. It was found in the courtyard. (48)

A Corinthian capital in the courtyard. It was found in the courtyard. (49)

A Corinthian capital in the courtyard. It was found in the courtyard. (50)

A Corinthian capital in the courtyard. It was found in the courtyard. (51)

A Corinthian capital in the courtyard. It was found in the courtyard. (52)

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A Corinthian capital in the courtyard. It was found in the courtyard. (56)

A Corinthian capital in the courtyard. It was found in the courtyard. (57)

A Corinthian capital in the courtyard. It was found in the courtyard. (58)

A Corinthian capital in the courtyard. It was found in the courtyard. (59)



Project Title:
Church of AG. SERGIOS AND BACCHUS
In Ag. Sergios / Yeni bogazici

Design :	Names :	License no. :
Architect :	Dimitrios Angelopoulos	A10349
Civil Engineer :	Loizos Hadjigeorgiou	A027067
Designer Team :	Pavlos Menikou Land Surveyor	
	Marla Angelopoulou Student of Architecture	

Date :	5 / 2018	Scale :
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Drawing name :	1. Existing	Drawing no. :
	3. SPECIAL ELEMENTS	
	4. FRAGMENTS	

Sign and Stamp

"The opinions expressed are purely those of the design team and shall not in any circumstances be regarded as stating an official position of the United Nations Development Programme and the European Commission."

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5. Buttresses

Three flying buttresses support the west wall of the church. The first buttress was found in the excavation and it has problems of delamination on the top part. Very big cracks occur in the base part. Vegetation growth appears on the top part. A colony of doves also appears on the sides and the arch. This buttress needs immediate repair and stone replacement. (05.09.17, 28.09)

The second buttress supports the middle part of the wall. In that case also, we can see a delamination of the top part. It is possible that it was happened to protect the buttresses from a previous problem of delamination.

A delamination of the stone appears, especially in the lower part. Extended vegetation grows on the upper part.

The third buttress seems to have only partial delamination of the masonry. This buttress has a number of discoloured stones. There is vegetation grown on the upper part of the buttress. A layer of cement based plaster, cover partially the upper part of the buttress. There is a need to replace a number of stones, and also a number of stones need treatment. Cement base plaster must be removed. (05.09.17, 28.09)

6. Internal the church

7. Roof

The roof consists of a complex of a cross-vault with a dome on top, as well as two barrel vaults and of multiple flat surfaces. There is not a good indication of the flat surfaces. Delamination remains in certain that help vegetation to grow up. The roots of the plants penetrate the mortar of the roof and develop under the surface, causing cracks and holes. There is extended delamination on the roof surface. Brickwork is built on every surface either horizontal or vertical or curved. There are some of cracks crossing the barrel vaults. There is also a missing part of the mortar on the roof surface. There are also, missing parts of the finishing, and of water spouts.



55. BUTTRESS 1 - BACK 56. BUTTRESS 1 - RIGHT 57. BUTTRESS 1 - LEFT 58. BUTTRESS 1 - TOP 59. BUTTRESS 1 - UNDER 60. BUTTRESS 2 - BACK 61. BUTTRESS 2 - RIGHT 62. BUTTRESS 2 - LEFT 63. BUTTRESS 2-DETAIL 64. BUTTRESS 2 - TOP 65. BUTTRESS 3 - BACK



66. BUTTRESS 3 - TOP 67. BUTTRESS 3 - RIGHT 68. BUTTRESS 3 - LEFT 69. BUTTRESS 3 - DETAIL 70. THE BLIND DOME, WEST VIEW 71. THE BLIND DOME, SOUTH VIEW 72. THE BLIND DOME, NORTH VIEW 73. THE BLIND DOME, EAST VIEW 74. THE BLIND DOME, WEST VIEW 75. THE BLIND DOME, SOUTH VIEW 76. THE BLIND DOME, NORTH VIEW 77. THE BLIND DOME, EAST VIEW 78. THE BLIND DOME, WEST VIEW



79. ARCHES AND PENDIVES 80. ARCHES AND PENDIVES 81. ENTRANCE TO SANCTUARY 82. PASSAGE IN SANCTUARIES 83. RIGHT NICHE 84. SUPPORT ARCH EDGE DETAIL 85. DOME WEST SIDE 86. DOME NORTHEAST SIDE 87. LEFT APSE AND BARREL VAULT 88. DETAIL ON ROOF 89. DETAIL ON ROOF 90. DETAIL ON ROOF 91. BELL ROPE OPENING 92. OLD BELLY POSITION AND BLIND VAULT 93. CROSSING VAULTS AND DOME 94. PLASTER ON THE WALL AND PLANTS 95. RIGHT APSE SEMI VAULT 96. ROOF PANORAMA 97. ROOF PANORAMA 98. ROOF PANORAMA 99. MATHIEUX TOP BARREL VAULT



100. ARCHES AND PENDIVES 101. ARCHES AND PENDIVES 102. ENTRANCE TO SANCTUARY 103. PASSAGE IN SANCTUARIES 104. RIGHT NICHE 105. SUPPORT ARCH EDGE DETAIL 106. DOME WEST SIDE 107. DOME NORTHEAST SIDE 108. LEFT APSE AND BARREL VAULT 109. DETAIL ON ROOF 110. DETAIL ON ROOF 111. DETAIL ON ROOF 112. BELL ROPE OPENING 113. OLD BELLY POSITION AND BLIND VAULT 114. CROSSING VAULTS AND DOME 115. PLASTER ON THE WALL AND PLANTS 116. RIGHT APSE SEMI VAULT 117. ROOF PANORAMA 118. ROOF PANORAMA 119. ROOF PANORAMA 120. MATHIEUX TOP BARREL VAULT



121. ARCHES AND PENDIVES 122. ARCHES AND PENDIVES 123. ENTRANCE TO SANCTUARY 124. PASSAGE IN SANCTUARIES 125. RIGHT NICHE 126. SUPPORT ARCH EDGE DETAIL 127. DOME WEST SIDE 128. DOME NORTHEAST SIDE 129. LEFT APSE AND BARREL VAULT 130. DETAIL ON ROOF 131. DETAIL ON ROOF 132. DETAIL ON ROOF 133. BELL ROPE OPENING 134. OLD BELLY POSITION AND BLIND VAULT 135. CROSSING VAULTS AND DOME 136. PLASTER ON THE WALL AND PLANTS 137. RIGHT APSE SEMI VAULT 138. ROOF PANORAMA 139. ROOF PANORAMA 140. ROOF PANORAMA 141. MATHIEUX TOP BARREL VAULT



142. ARCHES AND PENDIVES 143. ARCHES AND PENDIVES 144. ENTRANCE TO SANCTUARY 145. PASSAGE IN SANCTUARIES 146. RIGHT NICHE 147. SUPPORT ARCH EDGE DETAIL 148. DOME WEST SIDE 149. DOME NORTHEAST SIDE 150. LEFT APSE AND BARREL VAULT 151. DETAIL ON ROOF 152. DETAIL ON ROOF 153. DETAIL ON ROOF 154. BELL ROPE OPENING 155. OLD BELLY POSITION AND BLIND VAULT 156. CROSSING VAULTS AND DOME 157. PLASTER ON THE WALL AND PLANTS 158. RIGHT APSE SEMI VAULT 159. ROOF PANORAMA 160. ROOF PANORAMA 161. ROOF PANORAMA 162. MATHIEUX TOP BARREL VAULT



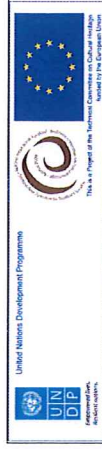
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184. ARCHES AND PENDIVES 185. ARCHES AND PENDIVES 186. ENTRANCE TO SANCTUARY 187. PASSAGE IN SANCTUARIES 188. RIGHT NICHE 189. SUPPORT ARCH EDGE DETAIL 190. DOME WEST SIDE 191. DOME NORTHEAST SIDE 192. LEFT APSE AND BARREL VAULT 193. DETAIL ON ROOF 194. DETAIL ON ROOF 195. DETAIL ON ROOF 196. BELL ROPE OPENING 197. OLD BELLY POSITION AND BLIND VAULT 198. CROSSING VAULTS AND DOME 199. PLASTER ON THE WALL AND PLANTS 200. RIGHT APSE SEMI VAULT 201. ROOF PANORAMA 202. ROOF PANORAMA 203. ROOF PANORAMA 204. MATHIEUX TOP BARREL VAULT



205. ARCHES AND PENDIVES 206. ARCHES AND PENDIVES 207. ENTRANCE TO SANCTUARY 208. PASSAGE IN SANCTUARIES 209. RIGHT NICHE 210. SUPPORT ARCH EDGE DETAIL 211. DOME WEST SIDE 212. DOME NORTHEAST SIDE 213. LEFT APSE AND BARREL VAULT 214. DETAIL ON ROOF 215. DETAIL ON ROOF 216. DETAIL ON ROOF 217. BELL ROPE OPENING 218. OLD BELLY POSITION AND BLIND VAULT 219. CROSSING VAULTS AND DOME 220. PLASTER ON THE WALL AND PLANTS 221. RIGHT APSE SEMI VAULT 222. ROOF PANORAMA 223. ROOF PANORAMA 224. ROOF PANORAMA 225. MATHIEUX TOP BARREL VAULT



Project: This:
Church of AG. SERGIOS AND BACCHUS
in Ag. Sergios / Yeni bogazi

Design:	Name:	Surname:	License no.:
Architect:	Dimitrios	Angelopoulos	A10349
Civil Engineer:	Lobos	Hadjigeorgiou	A027067
Designer Team:	Pavlos Menikou	Land Surveyor	
	Maria Angelopoulou	Student of Architecture	

Date:	5 / 2018	Scale:	
Drawing name:	1. Existing		
Drawing no.:	5. BUTTRESSES		
	6. INTERNAL THE CHURCH		
	7. ROOF		
	A-Ex 04		

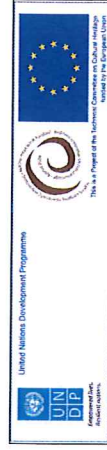
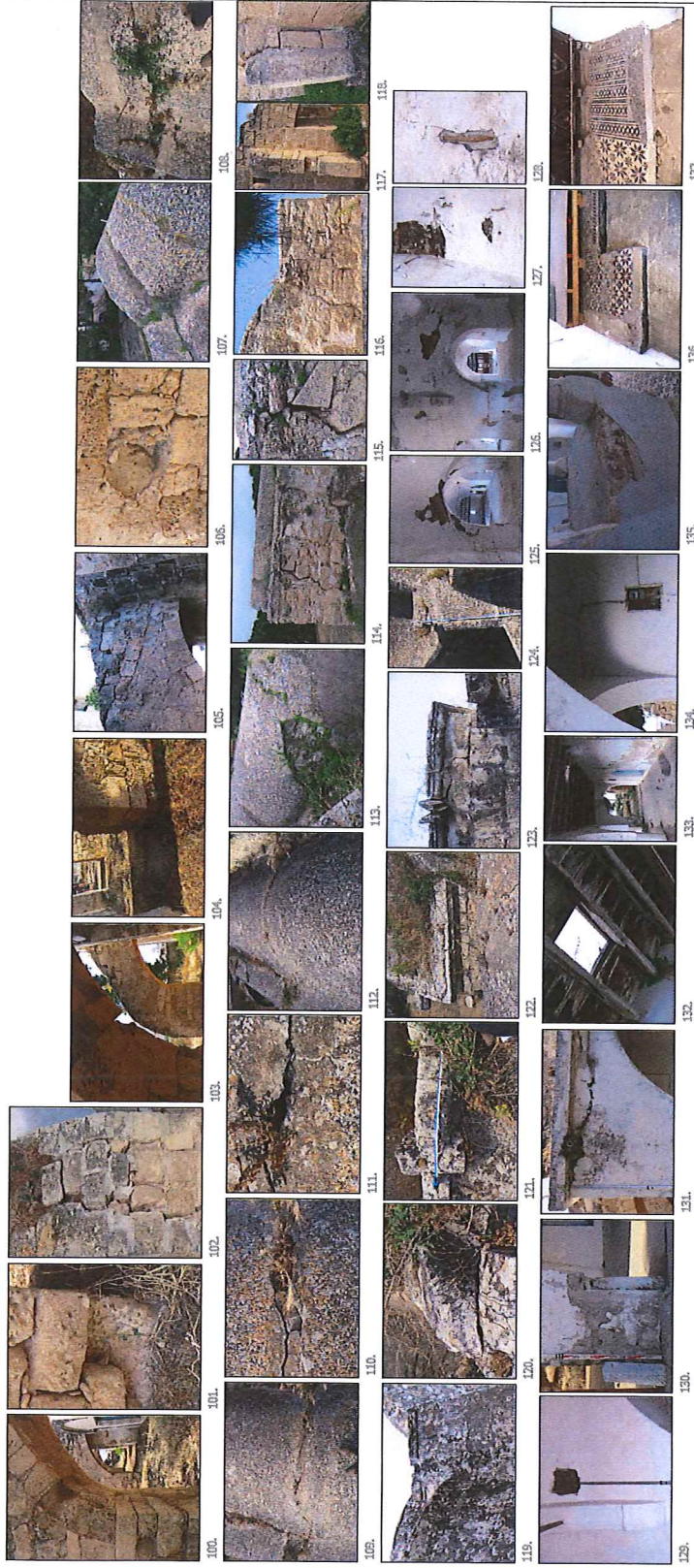
Sign and Stamp	
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This edition is prepared as part of the design team and shall not be used for any other purpose without the approval of the design team.

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8. Damages - Failures

1. Buildings
 - Disintegration of the masonry (102)
 - Vegetation growth (101, 103)
 - Storm damage (103, 104, 105, 106)
2. Roof
 - Multiple cracks on lower walls (107, 108, 109, 110, 111, 112)
 - Missing part of the roof of the northern wall (113)
 - Extensive Check on the southern side of the northern wall (114, 115, 116)
 - Displacement and displacement of a part of the planter, on the north side (117, 118)
 - Missing spout (119)
 - Damaged part of wall, stone, vegetation and masonry located at the west edge of the main beam wall (120, 121)
 - Check and displacement of the north upper part on the roof of the north wall (122)
 - Missing spout (124)
 - Displacement of the geyser wall, deep cracks on the walls of the north wall (125, 126, 127, 128)
 - Four missing geyser from the walls of north wall (129)
 - Neglected masonry and plaster, corrosion of iron and masonry failure, on the walls of porches (130, 131)
 - Corrosion of wooden beams on the roof of porches (132, 133)
 - Damaged wooden beam (134)
 - Damages of the floor (135)
 - Missing front metal base of the masonry, replacement of masonry (136, 137)
 - Missing geyser masonry from the new floor (138)
 - Plaster and cracks at around the geyser (139, 140)
 - Part of the masonry wall and roof (141)
 - Western masonry wall and roof (142)
 - Western floor concrete slab (143)
 - Western wall of masonry (144)
 - Left masonry walling the beam (Thermal) the Pediment (Adams) (145, 146, 147)
 - Right masonry walling the Pediment, the Crucifixion 1, light, and decorative features (148, 149, 150)



Project Title:
Church of AG. SERGIOS AND BACCHUS
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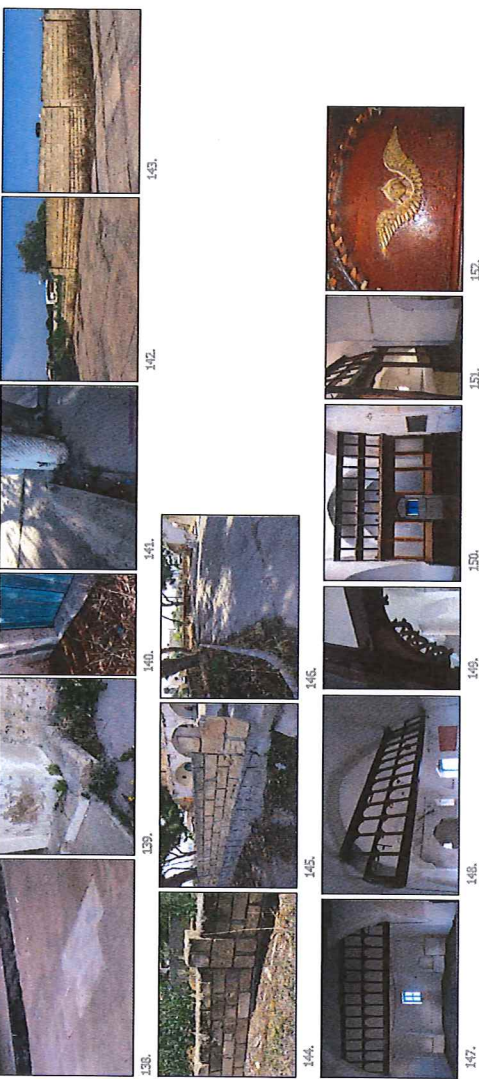
Design :	Name :	Survey :	License no :
Architect :	Dimitrios	Angelopoulos	A10349
Civil Engineer :	Lotos	Hadjigeorgiou	A027067

Designer Team : Periklos Menlikou Land Surveyor
Maria Angelopoulou Student of Architecture

Date :	5 / 2018	Scale :	
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Drawing name :	1. Existing	Drawing no. :	
8. DAMAGES - FAILURES		A-Ex 05	

Sign and Stamp



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"The opinions expressed are purely those of the design team and shall not be any circumstances be regarded as being an official position of the United Nations Development Programme and the European Commission."