AN ATTEMPTED RECONSTRUCTION OF DESIGN PROCEDURES AND CONCEPTS DURING THE REIGN OF SULTAN QAYTBAY (872/1468-901/1496) IN JERUSALEM AND CAIRO: With special reference to the Madrasa Al-Ashrafiyya and the Minbar in the Khānaqāh of Farag Ibn Barqūq.

Volume II

Archibald George Walls
DA(Edin), MSc, ARIBA, ARIAS, FSA Scot.

Dissertation Presented for the Degree of Doctor of Philosophy.

Edinburgh College of Art, Heriot-Watt University.

Department of Architecture

October 1979
LIST OF PLATES (To be found in Volume II.)

I. Jerusalem in 1439 from Bernhard of Breydenbach *Peregrinationes* in Terram Sanctam. The Madrasa al-Ashrafiyya is enclosed in a circle.

II. Al-Ashrafiyya: A silent link reused in the blocking up of a window in the *jihâlâ iwan*. (Courtesy of the BSAJ[ Walls].)

III. Al-Ashrafiyya: Possibly parts of al-Ashrafiyya's great inscription surrounding the Madrasa reused in the construction of Khâssaki Sultan (Roxelane), 959/1552. (Courtesy of the BSAJ[ Walls].)

IV. Al-Ashrafiyya: Possibly parts of al-Ashrafiyya's decorated spandrels from the demolished east wall of the Madrasa, and other miscellaneous decorative elements.

V. Al-Ashrafiyya: View from the south east. (Courtesy of the Creswell Archives, Ashmolean Museum.)

VI. Al-Ashrafiyya: Engaged Column to Porch. (Courtesey of the BSAJ[ Walls].)

VII. Al-Ashrafiyya: The Madrasa's West Wall and Upper Recessed Portal from the Courtyard. (Courtesy of the Creswell Archives, Ashmolean Museum.)

VIII. Al-Ashrafiyya: View from within the ruined Upper Vestibule of the Madrasa's West Wall and the Minaret Bab al-Silsila behind. (Courtesy of the Creswell Archives, Ashmolean Museum.)

IX. Al-Ashrafiyya: A view of the West and North sides of the Madrasa. (Courtesy of the Creswell Archives, Ashmolean Museum.)

X. Al-Ashrafiyya: Remains of a decorated engaged column and window recess above the Madrasa's north west door.

XI. Al-Ashrafiyya: Detail of a photograph showing the building c.1030. (From Wilson, Ch. V., Jerusalem the Holy City. ill.p.53.)

XII. Al-Ashrafiyya: The upper portions of al-Ashrafiyya seen from in front of the south door of Qubbât al-Sakhra.

XIII. [92] Mosque and Mausoleum of Qâtbây: The Sahn and the *jihâlâ iwan*.


XV. [92] Mosque and Mausoleum of Qâtbây: Decorated engaged column to recessed window above one of the Sahn's doors.

XVI./


XVIII. [225] Mosque of Ṣayṭān at Qal‘et al-Kabsh: One of the eight identical panels which flank the Sahn’s upper windows.


XX. [99] Mosque of Abū Bakr Muzhir: Part of the kufesque inscription within the recessed portal.

XXI. The Sabil of Ṣayṭān: In the background is the Madrasa Uthmaniyya above the West Riwaq of al-Haram al-Sharif.


XXIII. [32] Mosque of Sādi Madyan: One of the Sahn’s side walls with the arcading crossing the Qibla and its opposite Iwān.

XXV. [106] House of Ṣayṭān: Principal elevation to the internal courtyard.


XXVIII. [74] Sabil-kuttāb Ṣayṭān, opposite al-Azhar: The panel wrapped around the Sabil-kuttāb’s north west corner.

XXIX. [67] Mausoleum and Sabil-kuttāb of Al-Chüri: Panel’s wrapped around the Sabil-kuttāb’s north west corner.

XX. [99] Mosque and Mausoleum of Ṣayṭān: The pointed cruciform centre to the Vestibule’s ablaq fan vault.


XXXII. [223] Mosque of Ṣayṭān at Qal‘et al-Kabsh: Painted and inscribed shield of Ṣayṭān in one of the spandrels of the Sahn’s great arches; note also the other painted elements.


XXXV. [223] Jokhák Maktab, Jaythy: Geometric panel, with painted inscriptions, at the rear of the portal recess.


XXXVII. [225] Jokhák Maktab, Jaythy, opposite al-Azhar: Rectilinear mugarnas across the internal corner of the recessed portal.

XXXVIII. [226] Jokhák Maktab, Jaythy, opposite al-Azhar: The curvilinear mugarnas on the intrados and extrados of the arched door opening at the rear of the recessed portal.


XLIX. [236] Mosque of Qâmâs al-Ishâqî: Joggled cill course showing the three basic decorative types; geometric, arabesque, and chinoiserie.

L. [237] Mosque and Mausoleum of Gânéem al-Bahlawân: The decorated cresting along the wallhead showing three types of decoration; arabesque/...
arabesque, arabesque and ribbon development, and chinoiserie combined with arabesques.

II. [114] Ma'mūqah of Farag ibn Barqūq: Rastala to the recessed south west door in the Sahn outlined by a simple moulding.

III. [115] Ma'mūqah of Farag ibn Barqūq: Termination of rastala's moulding directly below the recess' side wall.

III. Al-Ashrāfīyya: Detail of the eroded lintel over the Sahn's north west doorway.

IV. [115] Wekālat Qaytbāy, opposite al-Ashar: Detail of north west door's lintel and flanking panel.


VII. Sabil of Qaytbāy: One of six reworked spandrels.

IX. [119] Mosque of Abū Bakr Muzhir: The white outlines are the initial cuts for the intended decoration in the spandrels to the Sahn's north east keel arch.

IX. [116] Mosque of Timraz al-Ahmādī (?): The initial cutting laying out a panel's decoration.

X. [116] Mosque of Timraz al-Ahmādī (?): The completed panel paired with the panel illustrated in Plate IX.


XII. [111] Mosque of Qaytbāy at Qal'et al-Kabsh: Detail of the joggling occurring in alternate stone courses up the outside of the principal recessed portal's moulded frame.

XIV. [99] Mosque and Mausoleum of Qaytbāy: One of the decorated stucco tympana over the windows of the Qibla Iwan and the Iwan opposite.

XV. [119] Mosque of Qaytbāy on Rođa: One of the stucco tympana in the Qibla Iwan.

LXVI./
LXVI. Scrolls
LXVII. Scrolls
LXVIII. Scrolls
LXIX. Scrolls
LXX. Scrolls
LXXI. Scrolls
LXXII. Scrolls
LXXIII. Scrolls
LXXIV. Scrolls
LXXV. Scrolls
LXXVI. Scrolls
LXXVII. Scrolls
LXXVIII. Scrolls
LXXIX. Scrolls
LXXX. Scrolls
LXXXI. Scrolls
LXXXII. Scrolls
LXXXIII. Scrolls
XCII. Mosque of Princess Ǧāsibtāy, at Medīnat al-Fayyūm, 905/1499: Recessed Portal.
XCIV. [76] Sabīl-Kuttāb Qāytbāy, opposite al-Azhar, 881/1477: Upper portions of the engaged column on the north west corner.
XCV. [378] Mosque of Sayyida Ḥaʾisha, 1175/1762: Engaged column on the south west corner.
XCVI. [97] Al-Azhar Mosque, 13th/19th cent.: Engaged column on south west corner and repeated once on the west elevation and once on the south elevation.
XCVII. [75] Wekālat Qāytbāy, opposite al-Azhar, 882/1477: Composite lintel over one of the shopping booths along the Wekālat's frontage.
XCVIII. [75] Wekālat Qāytbāy, opposite al-Azhar, 882/1477: Composite relieving arch above a joggled lintel over one of the shopping booths along the Wekālat's frontage.
XC. Mosque of Sīdī al-Mafāʾī, 1329/1911: Decorated lintel and relieving arch.
PLATE I.
Jerusalem in 1483 from
Bernhard of Breydenbach
Peregrinationes in
Terram Sanctam.
The Madrasa al-Ashrafiyya
is enclosed in a circle.
PLATE II.
Al-Ashrafiyya: A silent link reused in the blocking up of a window in the qibla iwan. (Courtesy of the BSAJ [Walls].)

PLATE III.
Al-Ashrafiyya: Possibly parts of al-Ashrafiyya's great inscription surrounding the Madrasa reused in the construction of Khassaki 3 Sultan (Roxelane), 959/1552. (Courtesy of the BSAJ [Walls].)
PLATE IV.

Al-Ashrafiyya: Possibly parts of al-Ashrafiyya's decorated squinches from the demolished east wall of the Madrasa, and other miscellaneous decorative elements.
Al-Ashraf's castle (Plate V) View from the south east.
(Courtesy of the Creswell Archives, Ashmolean Museum).
PLATE VI.

Al-Ashrafiyya: Engaged Column to Porch. (Courtesy EAJ [Walls].)
PLATE VII

Al-Madrasa: The West Wall and Upper Recessed Portal from the Courtyard.
(Courtesy of the Creswell Archives, Ashmolean Museum.)
PLATE VIII
Al-Ashrafiyya: View from within the ruined Upper Vestibule of the Madrasa’s West Wall and the Minaret Bab al-Silsila behind. (Courtesy of the Creswell Archives, Ashmolean Museum).
PLATE IX

Al-Ashrafiyya:
A view of the West and North sides of the Madrasa. (Courtesy of the Creswell Archives, Ashmolean Museum).
PLATE IX.
Al-Ashrafiyya: Looking towards north west corner of Madrasa.
(Courtesy of the Creswell Archive, Ashmolean Museum.)

PLATE X.
Al-Ashrafiyya: Remains of a decorated engaged column and window recess above Madrasa's north west door.
PLATE IX.
Al-Ashrafiyya: Looking towards north west corner of Madrasa.
(Courtesy of the Creswell Archive, Ashmolean Museum.)

PLATE X.
Al-Ashrafiyya: Remains of a decorated engaged column and window recess above Madrasa's north west door.
PLATE XI.

Al-Ashrafiyya: Detail of a photograph showing the building c.1880. (From Wilson, Ch.W., Jerusalem the Holy City, ill.p.53)
PLATE XII.
Al-Ashrafyya: The upper portions of al-Ashrafyya seen from infront of the south door of Qubbat al-Sakhra.
PLATE XIII.

Mosque and Mausoleum of Qaytbay:
The Sahn and the Qibla Iwan.
PLATE XIV.

Mosque and Mausoleum of Qaytbay: The Sahn's North Wall.
PLATE XV.

Mosque and Mausoleum of Qaytbay: Decorated engaged column to a recessed window above one of the Sahn's doors.

PLATE XVI.

Mosque of Qaytbay in Qal‘et al-Kabsh: The Sahn's great arch opposite the Qibla Iwan.
PLATE XVII.

PLATE XVIII.
[223] Mosque of Qaytbay in Qal'et al-Kabsh: One of eight identical panels which flank the Sahn's upper windows.
PLATE XIX. Mosque of Ǧayḥay in Qalṣet al-Kabsh: Painted kufesque inscription surrounding the Sahn.

PLATE XX. Mosque of Abū Bakr Muzhir: Part of the kufesque inscription within the recessed portal.
PLATE XXI.
The Sabil of Qaytbay: In the background is the Madrasa 'Uthmaniyya above the West Riwaq of al-Haram al-Sharif.

PLATE XXII.
Mosque of Sidi Madyan: The arcade across the front of the Qibla Iwan.
PLATE XXIII.

[32] Mosque of Sidi Madyan: One of the Sahn's side walls with the arcading crossing the qibla and its opposite iwan.
PLATE XXV.

[228] House of ʕaytbāy: Principal elevation to the internal courtyard.
PLATE XXVI.

Mosque of Sultan Shah:

An octagonal pillar decorated with flat-carved arabesques.
PLATE XXVII.

²⁹ Mosque and Mausoleum of Qaytbay: One of the decorated columns in the kuttāb of the sabīl-kuttāb.
Sabil-Kuttâb Qaythây, opposite al-Azhar: The panel wrapped around the Sabil-Kuttâb's north west corner.

Mausoleum and Sabil-Kuttâb of al-Chûrí: Panel's wrapped around the Sabil-Kuttâb's north west corner.
PLATE XXX. 99 | Mosque and Mausoleum of Qâytbây: The pointed cruciform centre to the Vestibule's ablaq fan vault.

PLATE XXXI. 114 | Mosque of Qâmas al-Isbâqi: Detail of rectilinear muqarnas crowning an external window recess.
PLATE XXXII.

Mosque of Qaytbay at Qal'at al-Kabeh: Painted and inscribed shield of Qaytbay in one of the spandrels of the Sahn's great arches; note also the other painted elements.

PLATE XXXIII.

Sabil-Kuttab Qaytbay: The ablāq semi-dome over the recessed portal.
PLATE XXXIV.

Sabil-Kuttāb Qaytbay:
Decorated mugarnas bracket and inscription terminal within reveal of door opening.

PLATE XXXV.

Sabil-Kuttāb Qaytbay:
Geometric panel, with painted interstices, at the rear of the portal recess.
PLATE XXXVI.

75 Wekālat Qaytbay, opposite al-Azhar: The recessed portal.

PLATE XXXVII.

75 Wekālat Qaytbay, opposite al-Azhar: Rectilinear muqarnas across an internal corner of the recessed portal.
PLATE XXXVIII.

Wekalat Qaytbay, opposite al-Azhar: The curvilinear muqarnas on the intrados and extrados of the arched door opening at the rear of the recessed portal.
PLATE XLI.

223 Mosque of Qaytbay at Qal‘et al-Kabsh: The upper areas of the recessed portal in the north elevation.

PLATE XLII.

49 Mosque of Abu Bakr Muzhir: The ablaq semi-dome over the recessed portal.
Plate XLIII.

Mosque and Mausoleum of an-Nasir Muhammad ibn Qalawun. A marbel inscription. (After Bourguinon, IV, Pl. 8 a.)
PLATE XLIV.

Candlestick presented by Qaytbay to the Shrine of the Prophet at Medina in 387/1482-3.
PLATE XLV.


PLATE XLVI.

PLATE XLVII.

75 Wekālat Qāytbāy, opposite al-Azhār: The north west entrance.

PLATE XLVIII.

75 Wekālat Qāytbāy, opposite al-Azhār: The irregular octagonal centre in the entrance's ablaq fan vault.
PLATE XLIX.

[114] Mosque of Qawmās al-Ishāqī: Joggled cill course showing
the three basic decorative types; geometric, arabesque and chinoiserie.
PLATE I.

Mosque and Mausoleum of Ģānem al-Bahlawān: The decorated cresting along the wallhead showing three types of decoration; arabesque, arabesque and ribbon development, and chinoiserie combined with arabesques.
PLATE LI.

Khānaqāh of Farag ibn Barqūq: Mastaba to the recessed south west door in the Sahn outlined by a simple moulding.

PLATE LII.

Khānaqāh of Farag ibn Barqūq: Termination of mastaba's moulding directly below the recess' side wall.
PLATE LIII.
Al-Ashrafiyya: Detail of the eroded lintel over the Sahn's north west doorway.

PLATE LIV.
Wekalat Qaytbay, opposite al-Azhar: Detail of north west door's lintel and flanking panel.
PLATE IV.

Mosque of Abū Bakr Mūshīr: The decorated lintel and side panels in the Mosque's second recessed portal.

PLATE LVI.

Mosque of Qaḡmās al-Īshāqī: The decorated lintel over the door of the sabīl-kuttāb.
PLATE LVII.

114 Mosque of Ǧazmān al-Iṣḥāqī:
Decorated wall panel in the Īwān
opposite the Qibla Īwān.

PLATE LVIII.  (Top: One

Sabil of Qaytbay: One of six
reworked spandrels.
PLATE LIX.

Mosque of Abu Bakr Muzhir: The white outlines are the initial
cuts for the intended decoration in the spandrels to the Sahn's
north west keel arch.
PLATE LXI.

Mosque of Timråz al-Ahmadi (?): The completed panel, paired with the panel illustrated in Plate LX.
PLATE LXII.


PLATE LXIII.

[223] Mosque of ʿAythāy at Qalʿet al-Kabsh: Detail of the joggling occuring in alternate stone courses up the outside of the principal recessed portal's moulded frame.
PLATE LXIV.

Mosque and Mausoleum of Qaytbay: One of the decorated stucco tympana over the windows of the Qibla Iwān and the Iwān opposite.
PLATE LXV.

519 Mosque of Qaytbay on Roda; One of the stucco tympana in the Qibla iwan.
PLATE LXVI.

[519] Mosque of Qaytbay on Roda:
Detail of one of the stucco tympana in the qibla Iman.
PLATE LXXII.

192 Zawiya at Fuyuz: Recessed window with a commonplace decorated lintel.
PLATE LXIX.

75 Wékālat Qāytbāy, opposite al-Azhār: A shield of Qāytbāy, and below it a panel which is a variation of the panel illustrated in Plate XLIII.

PLATE LXVIII.

60 Mosque of al-Ṣūfī ʿAbd al-Bāsīt: Detail of a commonplace decorated window lintel.
PLATE LXX.

75 Wekalat Qaytbay, opposite al-Azhar: A composite lintel, decorated with a geometric design, over one of the shopping booths along the Wekalat's frontage.
PLATE LXXI.

[149] Minbar of Qaytbay: A general view showing the Gateway, and the internal staircase rising up to the Canopy with its onion shaped dome.

PLATE LXXII.

[149] Minbar of Qaytbay: The right hand side.
PLATE LXXIII.

Minbar of Qaytbay: Detail of the decorated rectilinear mugarnas along the front of the Gateway.

PLATE LXXIV.

Minbar of Qaytbay: The decorated rectilinear mugarnas along the side of the Gateway, and below them a geometric panel.
PLATE LXXV.

74 Drinking Trough of Qaytbay, opposite al-Azhar: Detail typical of the internal wall decoration; note, the cup design at bottom centre of the recess's head.

PLATE LXXVI.

147 Minbar of Qaytbay: Detail of the onion shaped dome while it was being squeezed.
PLATE LXXVII.

Plate 149: Minbar of Qaytbay: Details of the Minbar. (After Prisse d'Avennes, A., L'Art Arab. Pl. XLIX.)
PLATE LXXVIII.


PLATE LXXIX.

204: Mosque of al-Qānī Yahyā, 836/1432: Recessed Portal.
PLATE LXXXI.
Al-Azhar Mosque, (Qaytbay Entrance)
873/1469: Recessed Portal.

PLATE LXXXI.
PLATE LXXXII.


PLATE LXXXIII.

PLATE LXXXIV.

104  Rab. Qaytbay, 879/1474:
Recessed Portal.

PLATE LXXXV.

76 Sabl-Kuttab Qaytbay, opposite al-Azhar, 881/1477:
Recessed Portal.
PLATE LXXXVI.
324 Sabil-Kuttab Qaytbay, 894/1490: Recessed Portal.

PLATE LXXXVII.
114 Mosque of Qagmas al-Ishāqī, 895-96/1489-90: Recessed Portal.
PLATE LXXXVIII.
House of Qaytbay, 890/1485:
Principal Recessed Portal.

PLATE LXXXIX.
House of Qaytbay, 890/1485:
Secondary Recessed Portal.
PLATE XC.

House of Ahmad Katkhuda ar-Razzaz, before 900/1494-95: Recessed Portal built by Qaytbay.

PLATE XCI.

PLATE XCII.

Mosque of Princess Ḍaʿūd b. al-Maʿālī, at Medinat al-Fayyum, 905/1499:
Recessed Portal.
Plate XCVIII.


(Detail from Tarchi, U., L'Architettura e l'Arte Muslimana, tav. 115.)
PLATE XCIV.

[76] Sabīl-Kuttāb Qaytbāy, opposite al-Azhar, 881/1477: Upper portions of the engaged column on the north west corner.
PLATE XCV.

Mosque of Sayyida ʿAʾisha,
1175/1762: Engaged column on the south west corner.
PLATE XCVI.

Ál-Ashar Mosque, 13th/19th cent.: Engaged column on southwest corner, repeated once on the west elevation and once on the south elevation.
PLATE XC VII.

75 Wekālat Qāytbay, opposite al-Azhar, 882/1477: Composite lintel over one of the shopping booths along the Wekālat’s frontage.
PLATE IC.

Mosque of Sidi al-Rafâ‘î, 1329/1911: Decorated lintel and relieving arch.
AL-AZMAR MOSQUE - QAHTBAY ENTRANCE 873/1470

OPENING WIDTH IN 3:5 RATIO TO RECESS WIDTH.

FROM WALLS A.G. ART PROJECT
RECONSTRUCTION 2020

Ph.D. THOMAS, OCT 79.
Mosque & Mausoleum of Qaitbay, 877-79/1472-74
Entrance to Mausoleum.

From 8 WAlls: An Attempt at Reconstruction
Sabil Kuttab al-Ghurab, opposite Al-Azhar, 881/1477

MOSSUL OF ČAŠALBĀY, AT MEDĪNAT AL-FAYYŪM, 905/1499.

FROM WALLS, A.G., AN ATTEMPTED RECONSTRUCTION.
Ph.D. THESIS, OCT. 78.
REMAINS OF PALACE OF QANSHUH AL-GHURI,
906-22/1501-16.