MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
GROUND FLOOR PLAN (SURVEY DIMENSIONS AND PHASING)
MADRASA OF MALIK ASHRAF QÂYTBAY, JERUSALEM.
FIRST FLOOR PLAN (SURVEY DIMENSIONS AND PHASING)
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
EAST ELEVATION
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
SOUTH WALL
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
SECTION W2
MADRASA OF MALIK ASHRAF QÄYTBÄY, JERUSALEM.
FIRST FLOOR PLAN (RESTORED DIMENSIONS)
MADRASA OF MALIK ASHRAF QAYTBAI, JERUSALEM.
FIRST FLOOR PLAN (RESTORED) SHOWING PRIMARY GEOMETRY
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
FIRST FLOOR PLAN (RESTORED) SHOWING DETAILED GEOMETRY.
MADRASA OF MALIK ASHRAF QÄYTBÄY, JERUSALEM.
GROUND FLOOR PLAN SHOWING DETAILED GEOMETRY.
TRIPLE WINDOW RECESS IN WEST WALL

SOUTH DOOR IN WEST WALL

EAST DOOR IN SOUTH WALL

CENTRAL DOOR IN SOUTH WALL

MADRASA OF THE MALIK ASHRAF QAYTBAI, JERUSALEM.
GEOMETRY UNDERLYING OPENINGS IN THE COURTYARD.
MADRASA OF MALIK ASHRAF QĀYṬBĀY, JERUSALEM.
DERIVATIVES OF THE 1/5 GENERATING CIRCLE.

Subdivision based on the double hexagon's radii
[4]

Subdivision based on the hexagon's radii
[3]

Subdivision based on the hexagon's apothemes
[2]

Subdivision of the double square
[1]

Subdivision of 1/5 generating circles

Subunits as related circles

Comparative summation of subunits

1  2  3  4  5

0  1  2  3  4  5m.

[1] [2] [3] [4]
MADRASA OF MALIK ASHRAF QAYTBAI, JERUSALEM.
PROPORTIONS OF THE SAHN'S GREAT ARCHES.
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
RESTORED COURSE HEIGHTS OF THE SAHN’S WEST WALL.
MADRASA OF THE MALIK ASHRAF QÂYTÎBÄY, JERUSALEM.
LOGGIA DESIGN SOLUTION.
MADRASA OF MALIK ASHRAF QÂYTBÂY, JERUSALEM.
LOGGIA SOLUTION INTRODUCED INTO SAHN.
MADRASA OF MALIK ASHRAF QAYTBAI, JERUSALEM.

LOGGIA SOLUTION INTRODUCED INTO THE EAST ELEVATION.
MADRASA OF MALIK ASHRAF QÂYTBÂY, JERUSALEM.
EAST ELEVATION (RESTORED)
MADRASA OF MALIK ASHRAF QÂYTBÂY, JERUSALEM.
SECTION E1 (RESTORED)
MADRASA OF MALIK ASHRAF QAYTBAY, JERUSALEM.
SECTION N3 (RESTORED)
MADRASA OF MALIK ASHRAF QĀYṬBĀY, JERUSALEM.
SECTION N 2 (RESTORED).
MADRASA OF MALIK ASHRAF QĀYṬBĀY, JERUSALEM.
SECTION N1 (RESTORED).
MADRASA OF MALIK ASHRAF QÄYTBÄY, JERUSALEM.
WEST WALL (RESTORED).
MADRASA OF THE MALIK ASHRAF QÂYTBAY, JERUSALEM.
ENGAGED COLUMN AT THE PORCH.
MADRASA OF THE MALIK ASHRAF QAYTBAI, JERUSALEM.
DECORATED CENTRE OF PORCH VAULT
Vegetal forms in outline

Geometry of the joggled

Madrasa of the Malik Ashraf Qaytbay, Jerusalem.
Decorated joggled lintel in window wall.
MADRASA OF THE MALIK ASHRAF QÄYṬBÄY, JERUSALEM.
ŒIL-DE-BŒUF WINDOW AND GEOMETRICAL SIDE PANELS IN WINDOW WALL.
TYPANUM: VEGETAL FORMS IN OUTLINE

SPANDREL: VEGETAL FORMS IN OUTLINE

DARK RED PAINT

01  0  01  02  03  04  05 m.

MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
SHEilds OF QAYTBAY IN THE SPANDRELS AND TYPANUM OF THE WINDOW WALL.
MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
FRONT ELEVATION OF A BENCH BELONGING TO THE PORTAL.
MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
CONSTRUCTION TEXT WITHIN THE PORTAL’S RECESS.
basic repeat unit

Repeat Unit 'A'

preferred lines

Repeat Unit 'B'

basic repeat unit

point joining

THE LEFT GEOMETRIC PANEL OF THE PAIR FLANKING THE JUGGLED DOOR LINTEL

MUGARNAS BRACKET TO DOOR JAMB

vegetal forms in outline

THE LEFT PANEL OF THE PAIR FLANKING THE MONOLITHIC DOOR LINTEL

MADRASA OF THE MALIK ASHRAF QÂYTBÂY, JERUSALEM.
MISCELLANEOUS DETAILS OF THE PORTAL.
MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM
JOGGLED LINTELS TO THE DOOR AND WINDOW OPENINGS IN PORTAL.
RIGHT HAND BAND (DETAIL)

LEFT HAND BAND (DETAIL)

PLAN AND ELEVATION OF BANDS

0.1  0.1  0.2  0.3  0.4  0.5m.

0.1  0.2  0.3m.

MADRASA OF THE MALIK ASHRAF GÄYTBÄY, JERUSALEM.
BRASS REVETMENTS FROM THE TIMBER DOORS.
MADRASA OF THE MALIK ASHRAF QĀṬBĀY, JERUSALEM.  
DECORATED CENTRE OF THE VAULTS OVER LANDINGS 0 AND 4.
MADRASA OF THE MALIK ASHRAF QĀṬṬĀB, JERUSALEM.
basic repeat unit

point joining and rhombus

realignment of peripheral lines

rhombi amalgamation

repeat unit circles tangentially placed

MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
EAST LINTEL IN THE UPPER CORRIDOR (LINTEL 1)
MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
SOUTH LINTEL IN TRIPLE WINDOW RECESS (LINTEL 3)
MADRASA OF THE MALIK ASHRAF QAYTBAI, JERUSALEM.
NORTH LINTEL IN TRIPLE WINDOW RECESS (LINTEL 5).
preferred lines

basic repeat unit

basic point joining

formation of rays through point joining

01 02 03 04 05m.

MADRASA OF THE MALIK ASHRAF QAYTBAI, JERUSALEM.
LINTEL IN SINGLE WINDOW RECESS (LINTEL 6).
DECORATED ARCHIVOLT'S LOOPS TO VESTIBULE'S SIDE DOORS

loop at archivolt's base
loop at archivolt's zenith

INTERMEDIATE PANEL IN THE UPPER CORRIDOR

ribbon in outline
vegetal forms in outline
composite

INTERMEDIATE PANELS IN THE TRIPLE WINDOW RECESS

south panel
north panel

EPIGRAPH FROM THE FAMILY TOMB OF QUNUBAY AL-AHMADI

no XLIII
Sayf al-din qunubay al-ahmadi, 797/1395.

no XLIV
Sofar and Zahra, daughters of qunubay al-ahmadi, 797/1395.

MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
MISCELLANEOUS IN SITU DETAILS
MADRASA OF THE MALIK ASHRAF QAYTBAY, JERUSALEM.
LINTEL OVER THE SAHN'S NORTH WEST DOOR.
MADRASA OF THE MALIK ASHRAF QÂYṬBÂY, JERUSALEM.
LINTEL OVER THE SAHN'S SOUTH WEST DOOR.
MADRASA OF THE MALIK ASHRAF QÂYTÂY, JERUSALEM.
MIHRÂB IN MAJMA'.
basic repeat unit
DECORATED PANEL IN NORTH ELEVATION

point joining

preferred lines

TWO KUFESQUE PANELS IN NORTH ELEVATION

CURVILINEAR MUGARNAS IN COURTYARD'S WEST WALL

SOFFIT OF WINDOW LINTEL IN GRAND STAIRCASE

A KEEL ARCH'S SILENT LINK FROM A WINDOW'S INFILL IN THE QIBLA WĀN

01 0 01 02 03 04 05m.

MADRASA OF THE MALIK ASHRAF QĀＹṬBĀY, JERUSALEM.
MISCELLANEOUS DETAILS USED IN THE REBUILT AREAS
STONE MINBAR OF MALIK ASHRAF QAYTBAI, CAIRO.
FRONT ELEVATION OF THE GATEWAY.
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO.
DECORATED FRONT SPANDRELS AND COLUMNS OF THE CANOPY.
STONE MINBAR OF MALIK ASHRAF QÂYTBÂY, CAIRO.
DECORATED SIDE SPANDRELS OF THE CANOPY.
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE.
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNITS COMBINED)
STONE MINBAR OF MALIK ASHRAF QÂYTÂY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. AFTER HANKIN'S CONSTRUCTIONS.
STONE MINBAR OF MALIK ASHRAF QÂYTBÂY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNIT L1's GEOMETRY)
STONE MINBAR OF MALIK ASHRAF QAYTBAI, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNIT L2's GEOMETRY)
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE.
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE (REPEAT UNIT R1's GEOMETRY)
STONE MINBAR OF MALIK ASHRAF QAYTBAY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE. (REPEAT UNIT R2's GEOMETRY)
TURBAT TURKÂN KHĀTŪN, JERUSALEM.
WEST PANEL (INTERNAL).
TURBAT TURKAN KHATUN, JERUSALEM.
EAST PANEL (INTERNAL).
TURBAT BARAKAT KHAN OR KHALIDI LIBRARY, JERUSALEM. ROMANESQUE DOORWAY.
MADRASA AND MAUSOLEUM OF AMİR ṬASHTAMUR, JERUSALEM.
RECESSED PORTAL
VEGETAL FIELDS TO RECTILINEAR MUQARNAS

SULTAN Qâytbây's NAME AND TITLES

UPPER PANEL

GEOMETRIC PANEL

LOWER PANEL

VEGETAL AND RIBBON FORMS IN OUTLINE

76 Sâbîl-Kuttâb Qâytbây, Opposite Al-Azhar, Cairo. Engaged Column.
75  WEKĀLAT QĀYTBĀY, OPPOSITE AL-AZHAR, CAIRO.
DECORATED CIRCULAR WALL PANEL.