INSCRIPTIONS 39, 87, 105

INSCRIPTIONS RE-DISCOVERED AND PUBLISHED IN WALLS, THE POSITIONS OF ARABIC INSCRIPTIONS IN JERUSALEM

N°XLIII N°XLIV

INSCRIPTION 175

INSCRIPTION 106

VESTIBULE

PORCH

MAJMA'

THE DIMENSIONS OF THE MAJMA' WERE SCALED OFF SURVEY DRAWINGS KINDLY SUPPLIED BY THE SUPREME MOSLEM COUNCIL.

1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# GROUND FLOOR PLAN (SURVEY DIMENSIONS AND PHASING)

N

UNSURVEYED AREAS

AL-HARAM'S WEST WALL

MINARET'S BASE.

RIWĀQ AND ASSOCIATED AREAS

AL-ASHRAFIYYA 1ST PHASE

AL-ASHRAFIYYA.

I

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73

EXTANT SPRINGERS

MIHRAB WITH A WINDOW ABOVE.

SUGGESTED POSITION OF THE MAJMA' BELONGING TO 2ND. ASHRAFIYYA.

RIWAQ'S DEPTH.

THE THREE ARCHWAYS OF THE RIWAQ DEMOLISHED FOR THE 3RD. ASHRAFIYYA.

1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# GROUND FLOOR PLAN OF RIWĀQ AND 1ST ASHRAFIYYA

UNSURVEYED AREAS

AL-HARAM'S WEST WALL

MINARET'S BASE.

RIWAQ AND ASSOCIATED AREAS.

2ND. ASHRAFIYYA

3RD. ASHRAFIYYA.

2

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NORTHWARD EXTENT OF REMAINS OF WALL BELONGING TO QAITBAY'S PERIOD.

COURTYARD.

COURTYARD'S STONE PAVING ORIGINAL (?) LAID IN RECTANGULAR AREAS RUNNING EAST-WEST.

REMAINS OF SUNDIAL

MODERN HOUSE.

OPEN COURTYARD.

0.15 MEASURED ACROSS WALL-HEAD.

STORE

WEST IWAN

TRUNCATED VAULT ABOVE

QIBLA IWAN

NORTH IWAN

MIHRAB

PRESENT PAVED SURFACE OF MADRASA SLOPES DOWN TO EAST WALL.

UP

1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# FIRST FLOOR PLAN (SURVEY DIMENSIONS AND PHASING)

UNSURVEYED AREAS

AL-HARAM'S WEST WALL

MINARET'S BASE

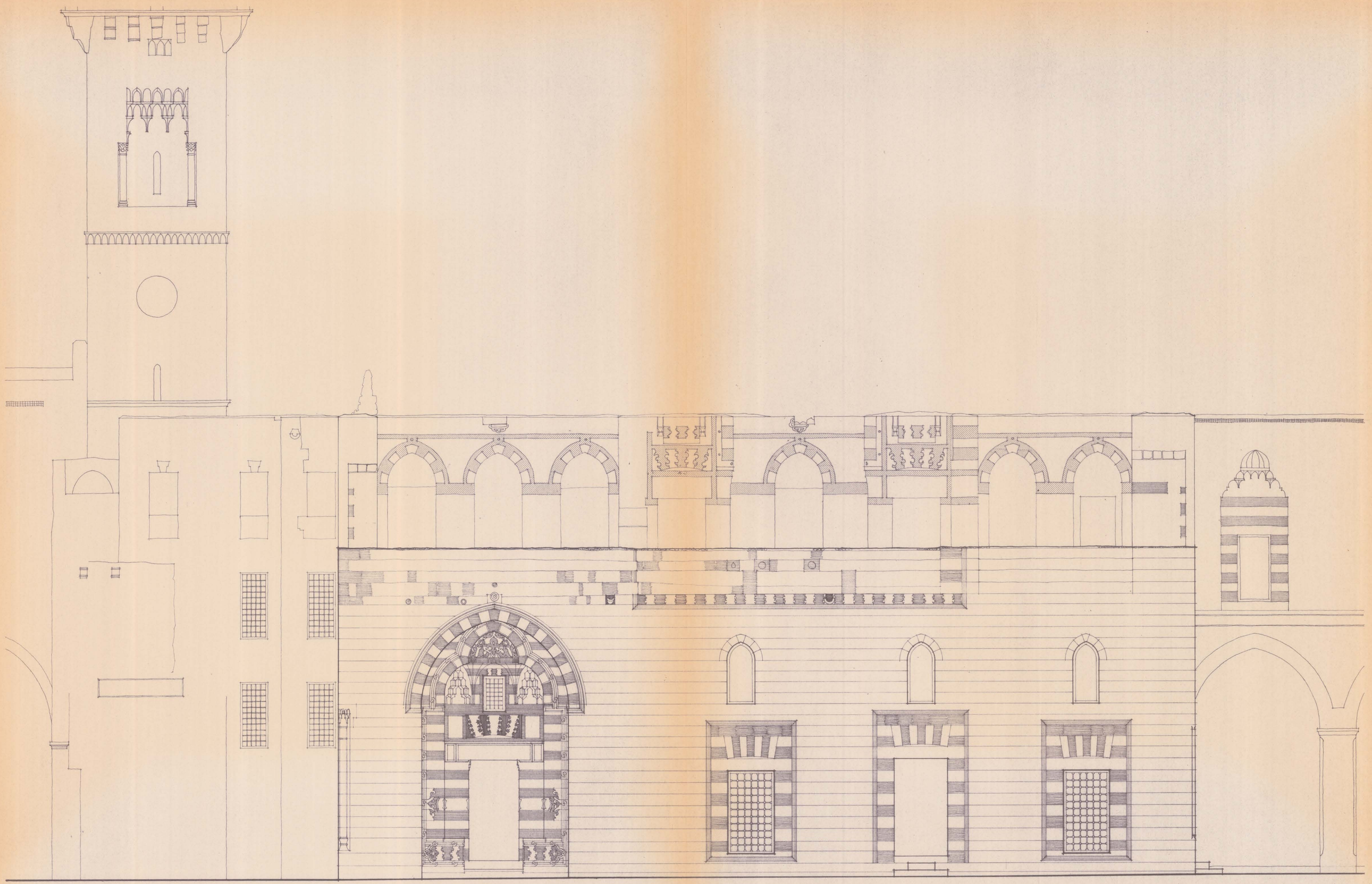
RIWAQ AND ASSOCIATED AREAS.

2ND. ASHRAFIYYA

3RD. ASHRAFIYYA.

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N.S. ARIAS, AADIA,
F.S.A. SCOT.

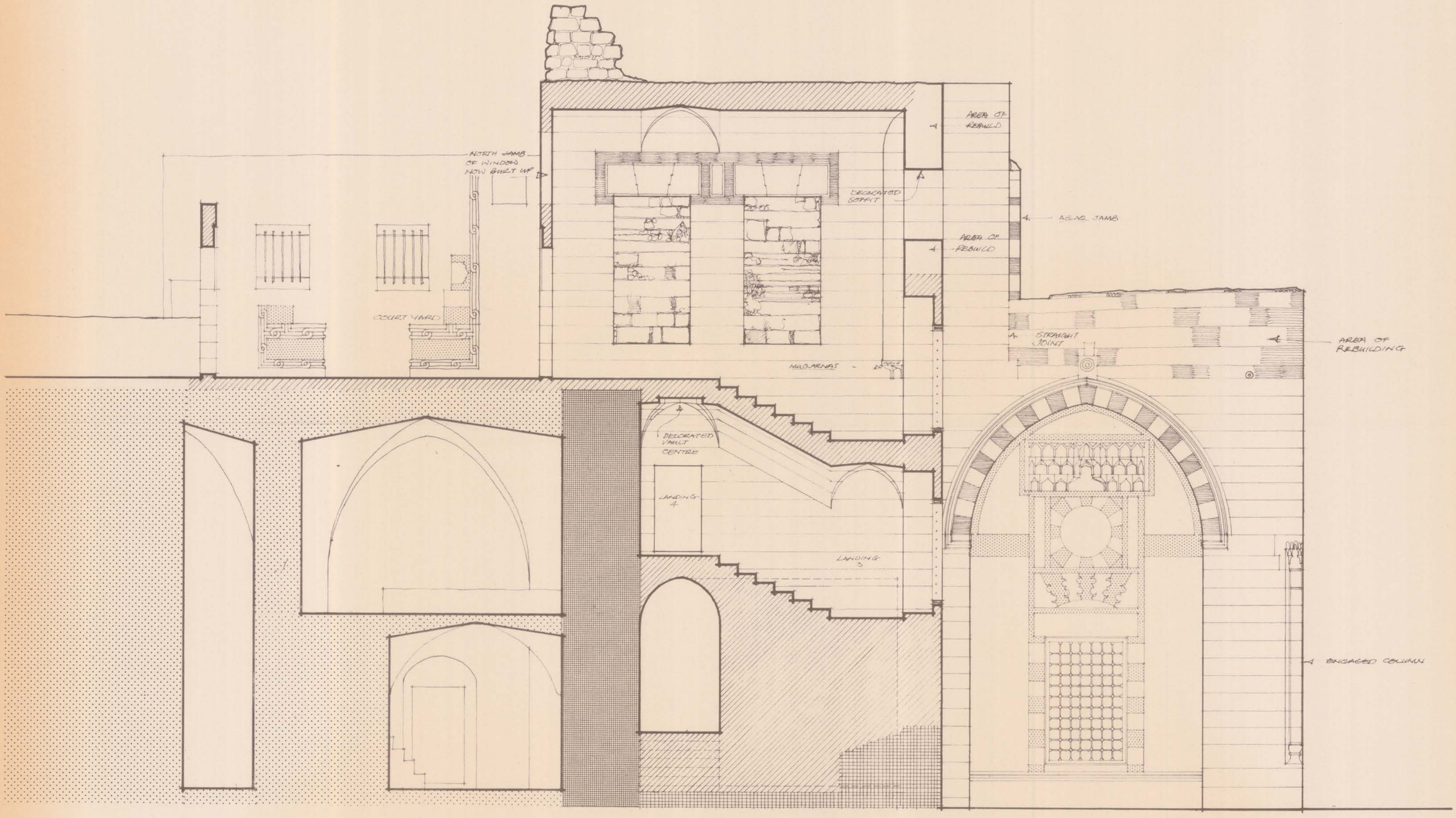
'79




MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
EAST ELEVATION

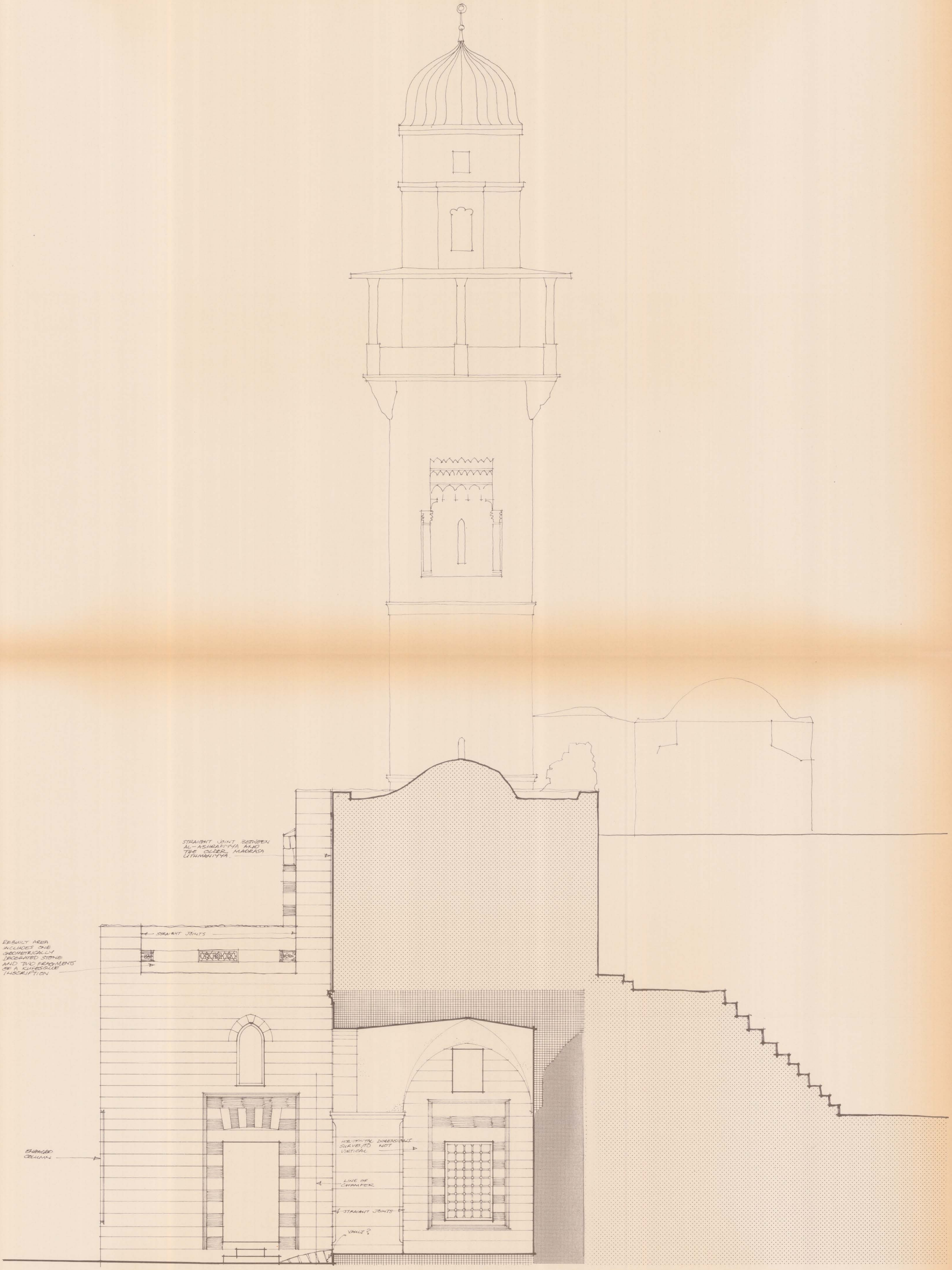
4.

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# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SOUTH WALL

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# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# NORTH ELEVATION

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'79

MUQARNAS REMAINS

MUQARNAS REPEATED ON WEST FACE. THEY ARE DIFFERENT ON THE NORTH AND SOUTH FACES.

RE-USED CRUSADER MARBLE COLUMNS AND CAPITALS.

MUQARNAS STRING COURSE

WITH THE FINDING OF SULTAN KHUSHQADAM'S HERALDIC SHIELD OVER A FIRST FLOOR WINDOW TO THE SOUTH, DOES INDICATE BUILDINGS ON THE RIWAQ AND TO THE SOUTH OF THE MINARET FORMED PART OF THE 'OLD MADRASA'?

CHISELLED OUT CIRCLE ORIGINALLY HELD HERALDIC SHIELD OF MALIK NĀṢIR MUHAMMAD b. QALĀWŪN.

LISTEL STRING COURSE

WATER SPOUT

REBUILD

CHISELLED KEYSTONE

WINDOW BLOCKED

REBUILD

REBUILD

CONSOLES

CIA INSCRIPTION Nº 175

LEAD SOLDERING WATER CUTS TO REAR WALL

POSSIBLE REMAINS OF A RIWAQ PIER

MIHRAB (LATTER)

PORCH

CIA INSCRIPTION Nº 106

QIBLA ĪWĀN

SAḤN

NORTH ĪWĀN.

WEST ĪWĀN

MADRASA ʿUTHMĀNIYYA

REBUILD

RIWĀQ CORNICE

PAVED SURFACE

OVERBURDEN OF EARTHQUAKE DEBRIS

MAJMAʿ

THE EXTERNAL ARCH MASONRY OF THIS DOOR IS ORIGINAL

RIWĀQ PIER

RIWĀQ PIER

1 0 1 2 3 4 5 6 7 8 9 10 m.

UNSURVEYED AREAS

AL-ḤARAM'S WEST WALL

MINARET'S BASE

RIWĀQ AND ASSOCIATED AREAS

AL-ASHRAFIYYA 1ST PHASE

AL-ASHRAFIYYA.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION W3

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QIBLA ĪWĀN

SAḤN

NORTH ĪWĀN

WEST ĪWĀN

RECESS WITH SLOPING SILL

ALIGNED COLUMN'S SHAFT DECORATED WITH ARABESQUES

REMAINS OF NORTH ĪWĀN'S GREAT HORSESHOE ARCH

SLOPING SILL

NOTE "CORNER" LINK

CORNER REBUILT

INTRST'S SILL PANEL DECORATED

MUQARNAS IMPOST ERODED BEYOND REACH

BLOCKED WINDOW

DECORATED LINTEL

DECORATED LINTEL

SHELVES ?

MODERN WINDOW

NIB IS ALL THAT REMAINS OF QIBLA ĪWĀN'S GREAT ARCH

PAVING

OVERBURDEN OF EARTHQUAKE DEBRIS

OVERBURDEN OF DEBRIS

STAIR TO MINARET

1ST FL. CORRIDOR

GRAND STAIRCASE

GRAND STAIRCASE

ACCESS NOT GAINED

BLOCKED UP WINDOW THEREFORE WALL PART OF AL-ASHRAFIYYA 1ST PHASE?

GRD. FL. CORRIDOR

VESTIBULE

MAJMA'

RIWĀQ TO AL-HARAM

ACCESS NOT GAINED

MINARET FROM AL-ASHRAFIYYA 1ST PHASE?

1 0 1 2 3 4 5 6 7 8 9 10 m.

UNSURVEYED AREAS

AL-HARAM'S WEST WALL

MINARET'S BASE

RIWĀQ AND ASSOCIATED AREAS

AL-ASHRAFIYYA 1ST PHASE

AL-ASHRAFIYYA

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION W2

S

DELT. & PREPARE WALLS M.S.S. AREAS ARIBA MSA SCOTT

QIBLA ĪWĀN | STORE | WEST ĪWĀN | ENTRY | NORTH ĪWĀN

SHIELD OF QĀYTBĀY

FLAT-CARVED ARABESQUE CORNER PIECE

DOUBLE PLEURON CORNER PIECE

POSSIBLE REBUILD USING DEBRIS.

INSCRIPTION

DECORATED SPANDREL

REMAINS OF WINDOW

BLOCKED

1ST FL. CORRIDOR

SILENT LINK IN BLOCKING

PLASTER

OVERBURDEN OF EARTHQUAKE DEBRIS

OVERBURDEN

TRUNCATED VAULT

BLOCKED W. WINDOW

SHELVING

CUT BACK (PURPOSE?)

DECORATED VAULT CENTRE

GRAND STAIRCASE

LANDING FIVE.

LANDING FOUR.

ACCESS NOT GAINED.

UNPLASTERED VAULT

CUT BACK FOR INSCRIPTION

LANDING ONE

(BRICK)

RIWĀQ SPRINGER

VESTIBULE.

BENCH

MAJMAᶜ

RIWĀQ TO AL-ḤARAM

1 0 1 2 3 4 5 6 7 8 9 10 m.

UNSURVEYED AREAS

AL-ḤARAM'S WEST WALL

MINARET'S BASE

RIWĀQ AND ASSOCIATED AREAS

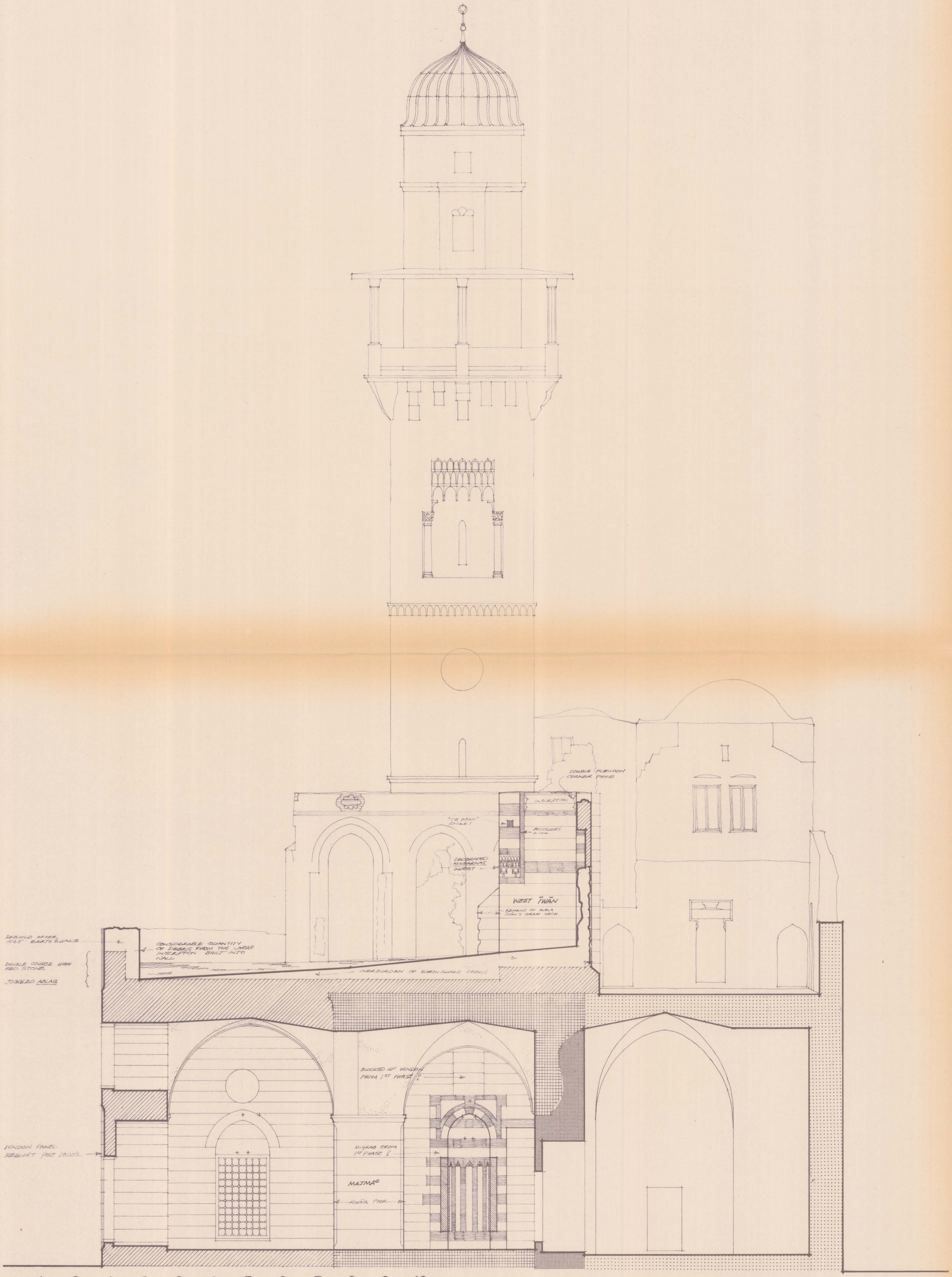
AL-ASHRAFIYYA 1ST PHASE

AL-ASHRAFIYYA

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION W1

9

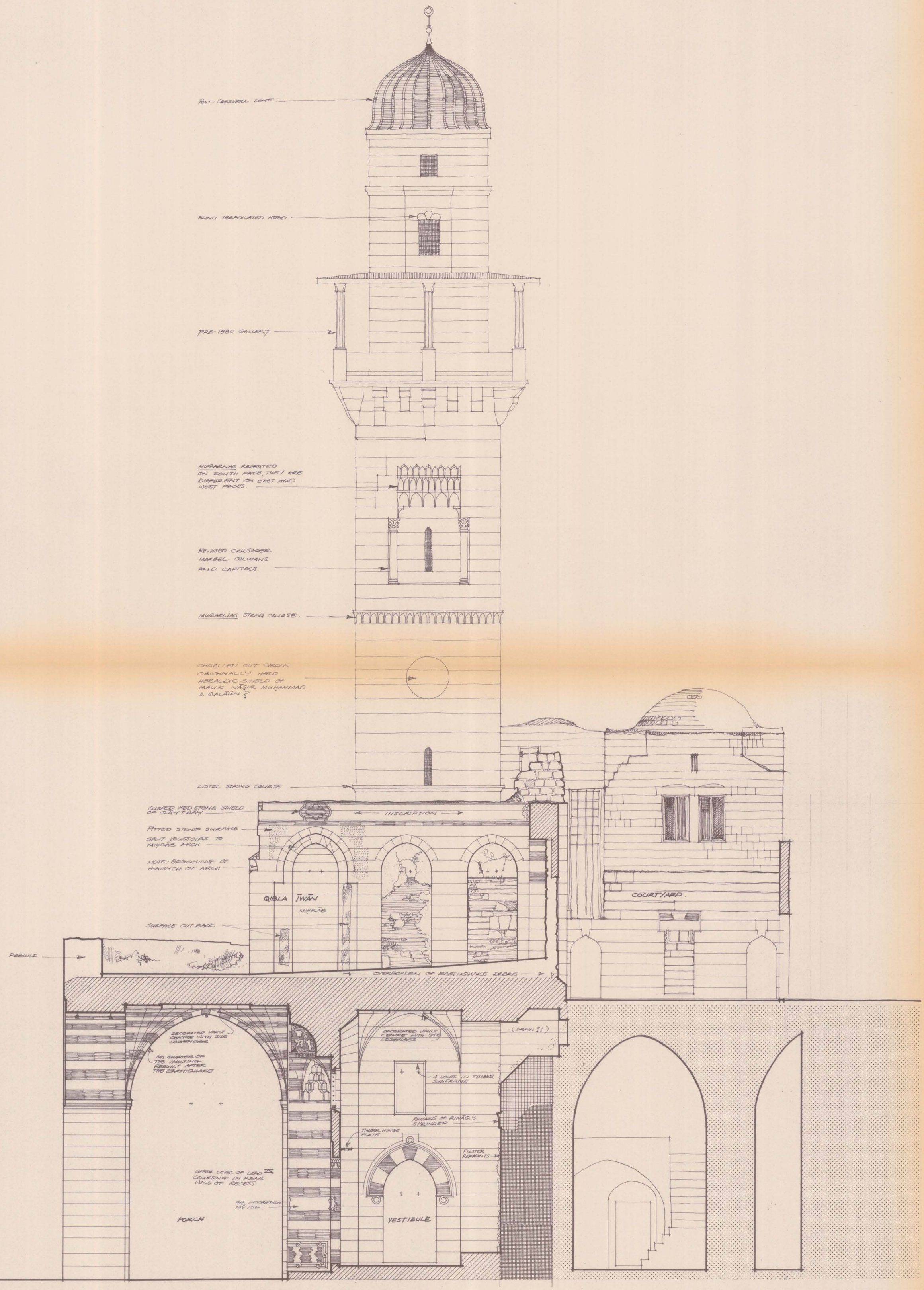
DELT. A. HEDGCOCK, WALLS, M.Sc; A.R.I.S; MCIBA, F.S.A. SCOT.




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION S2

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# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION S1

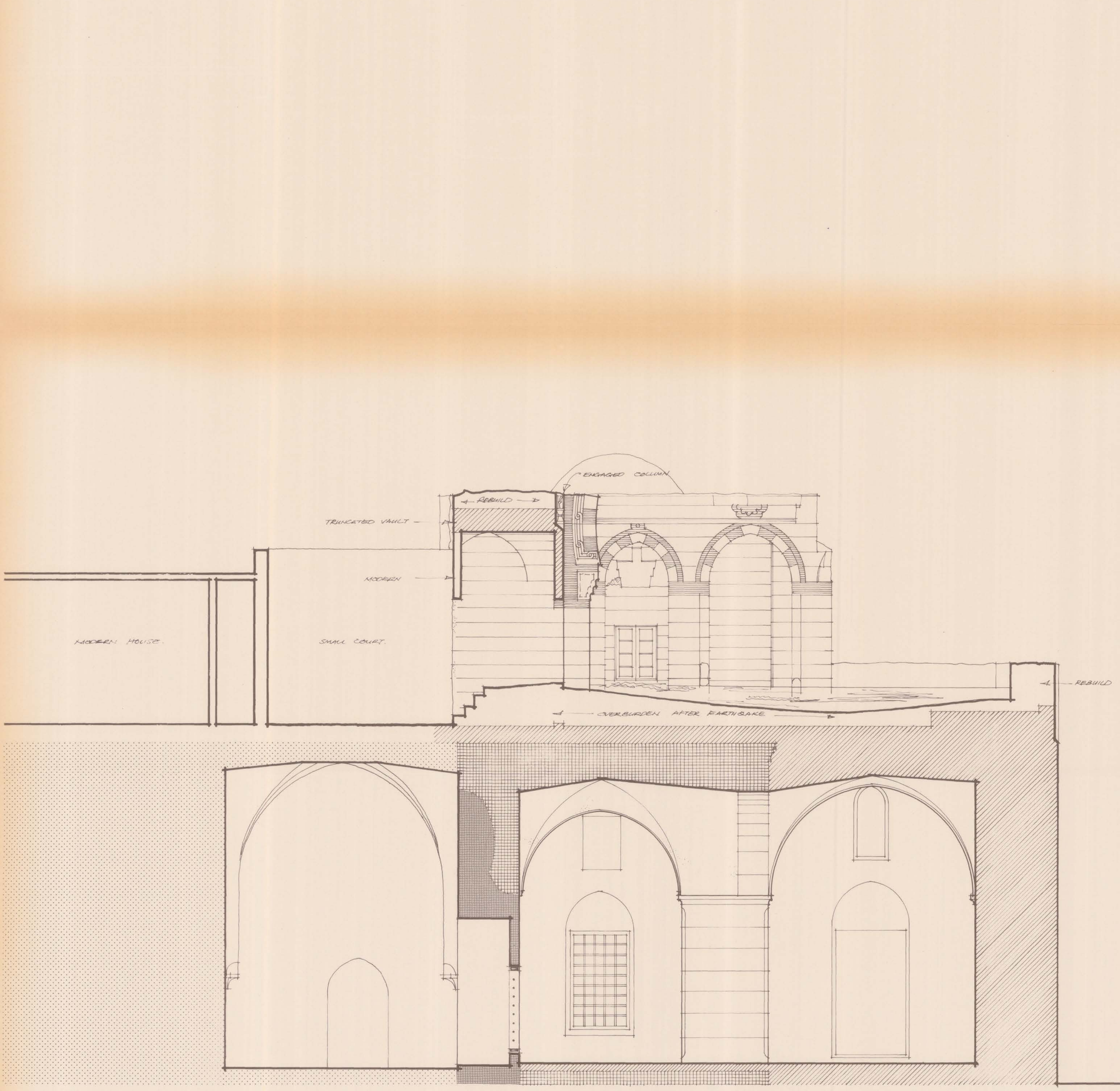
12

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# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION N3

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# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION N2.

I-I

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M.SC, AMIAS, ARIBA,
F.S.A. SCOT.

'79




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION N1

31

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1979

MODERN BRICK BLOCK REVETMENT

MUCH OF THIS SECTION DRAWN FROM CRESWELL'S PHOTOGRAPHS

POST 1920'S HOUSE.

REBUILT AREA

REMAINS OF SUNDIAL

CENTRAL WINDOW LINTEL AND ARCH REVETMENTS VANISHED AFTER EARTHQUAKE OF 1927

IN LINE WITH SOUTH FACE OF QIBLA WALL

WINDOW REVEAL

REBUILT AREAS

UNSURVEYED

STONE HINGE HOLE & BRACKET.

COURT YARD PAVING ORIGINAL (?)

1 0 1 2 3 4 5 6 7 8 9 10 m.

UNSURVEYED AREAS

AL-HARAWI'S WEST WALL

MINARET'S BASE

RIWAQ AND ASSOCIATED AREAS

AL-ASHRAFIYYA 1ST PHASE

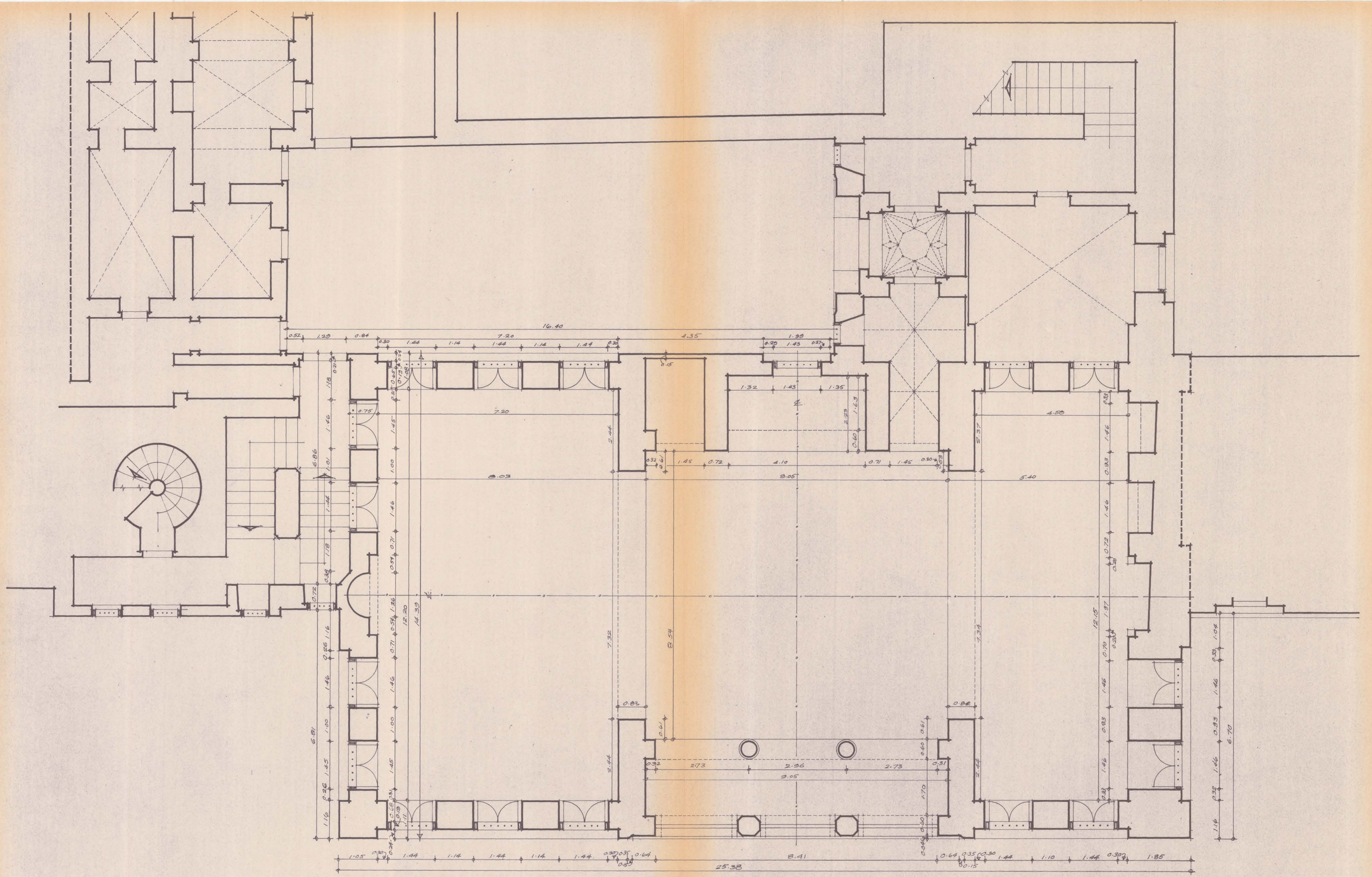
AL-ASHRAFIYYA.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# WEST WALL

16

DRCT. A. PRINCIPE WALLS, M.SC. ARCHS. ARIBA. F.S.A. SCOT.

1979



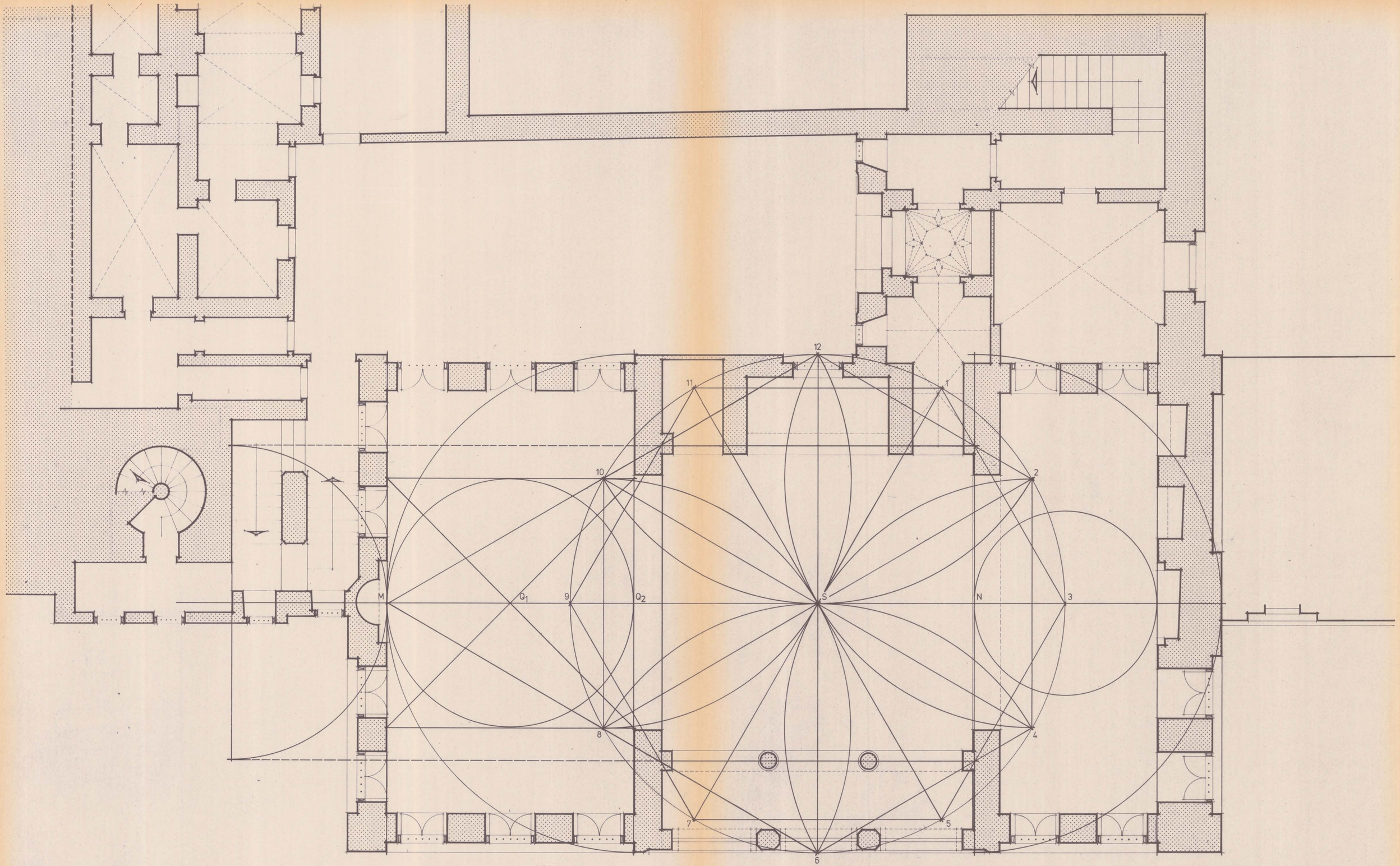

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# FIRST FLOOR PLAN (RESTORED DIMENSIONS)

N

17

DEPT. A. ARCHAEOL. WALLS
M.SC, A.R.I.A.S, A.R.I.B.A,
F.S.A. SCOT.

179



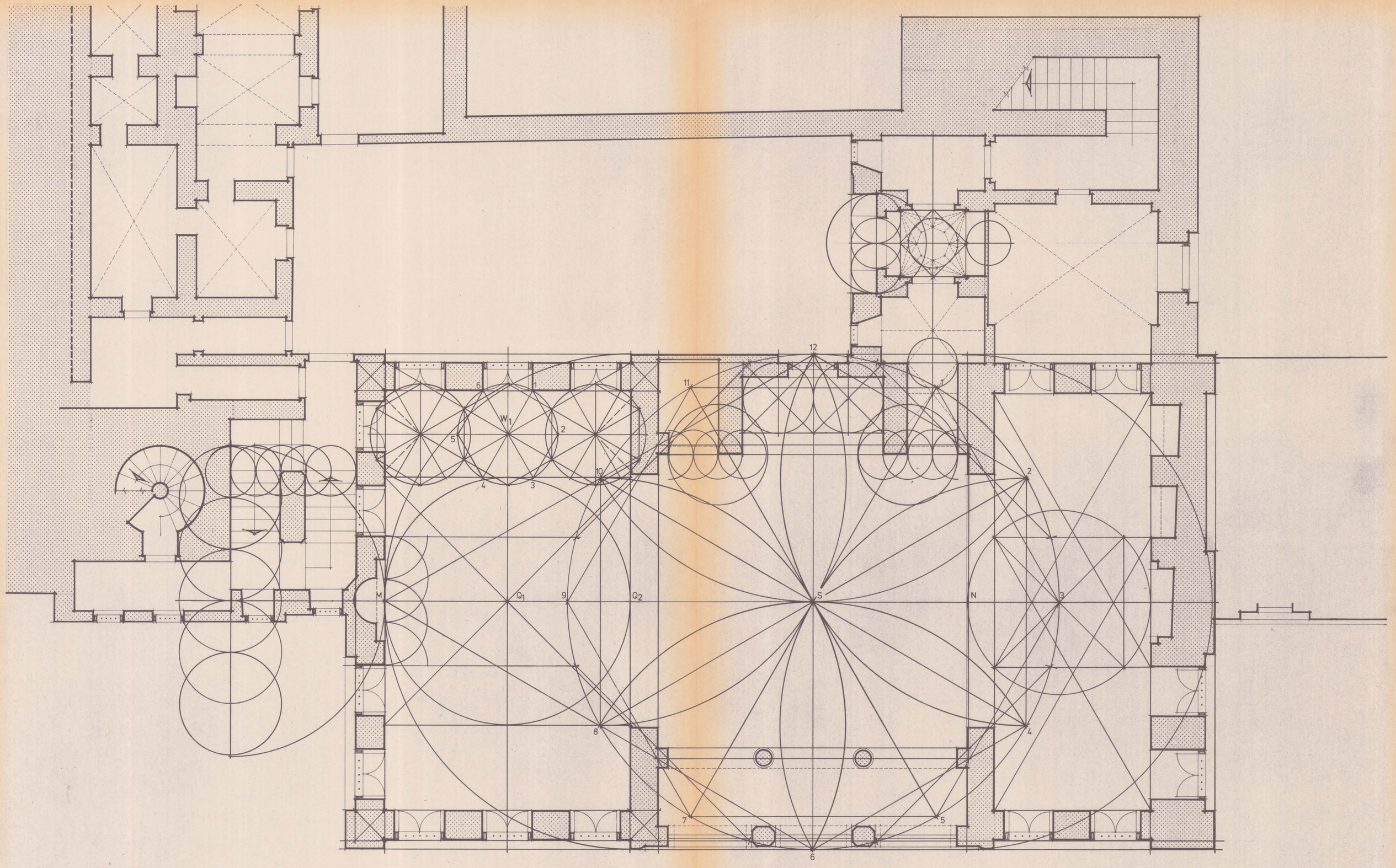

1 0 1 2 3 4 5 6 7 8 9 10 m.

MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
FIRST FLOOR PLAN (RESTORED) SHOWING PRIMARY GEOMETRY

N

18

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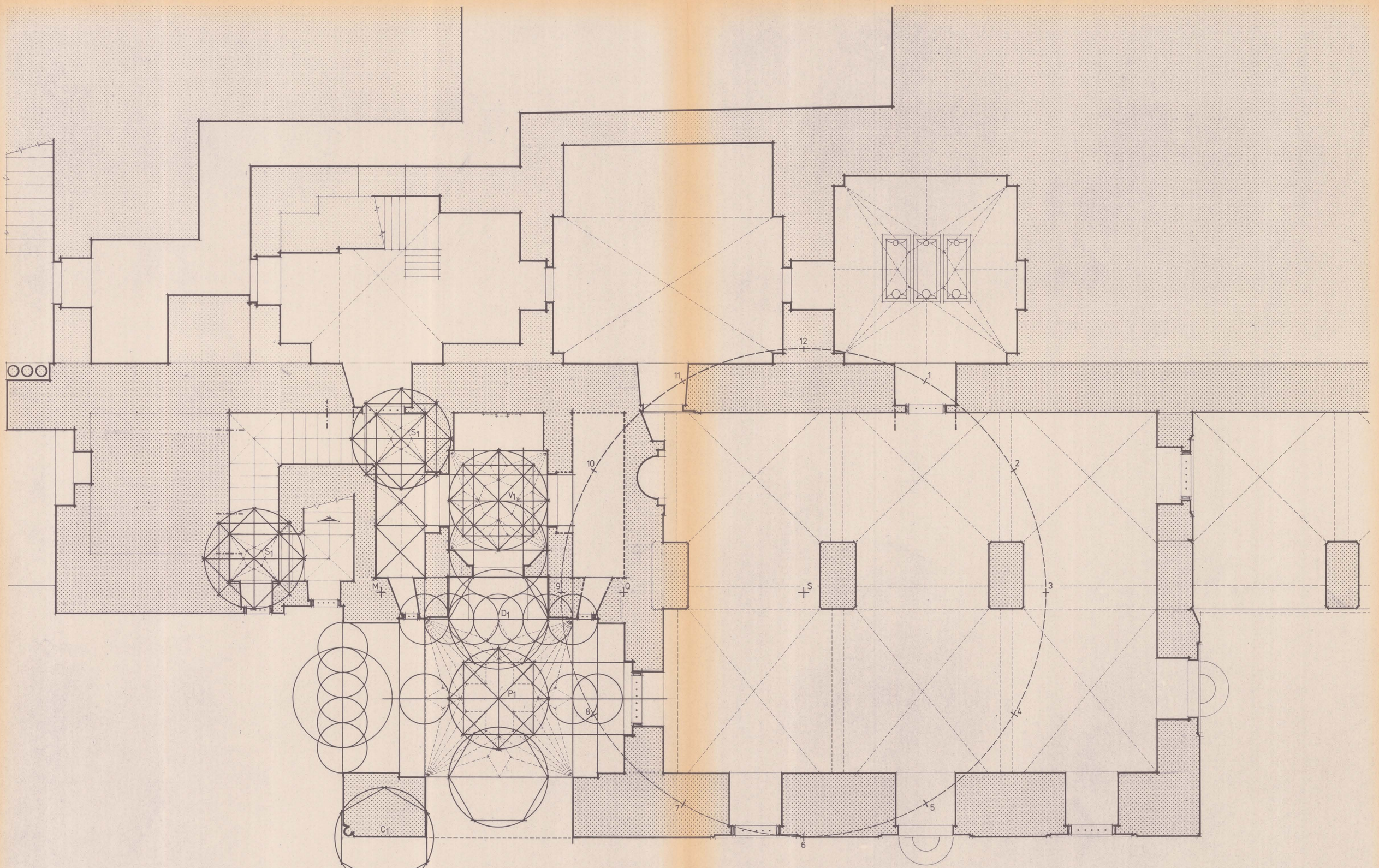

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MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
FIRST FLOOR PLAN (RESTORED) SHOWING DETAILED GEOMETRY.

N



DRCT. A. ABDRABBE, WALLS, M.Sc, ARIAS, ARIBA, F.S.A. Scot.




1 0 1 2 3 4 5 6 9 10 m.

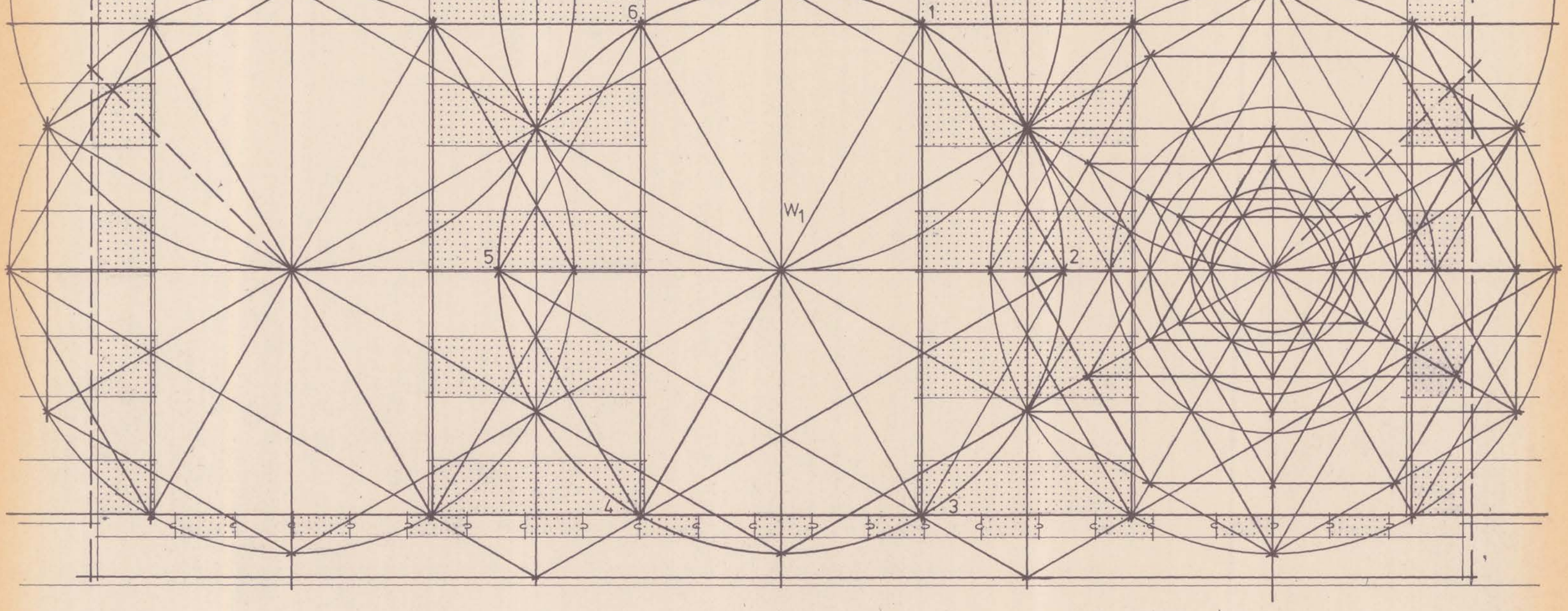
MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
GROUND FLOOR PLAN SHOWING DETAILED GEOMETRY.

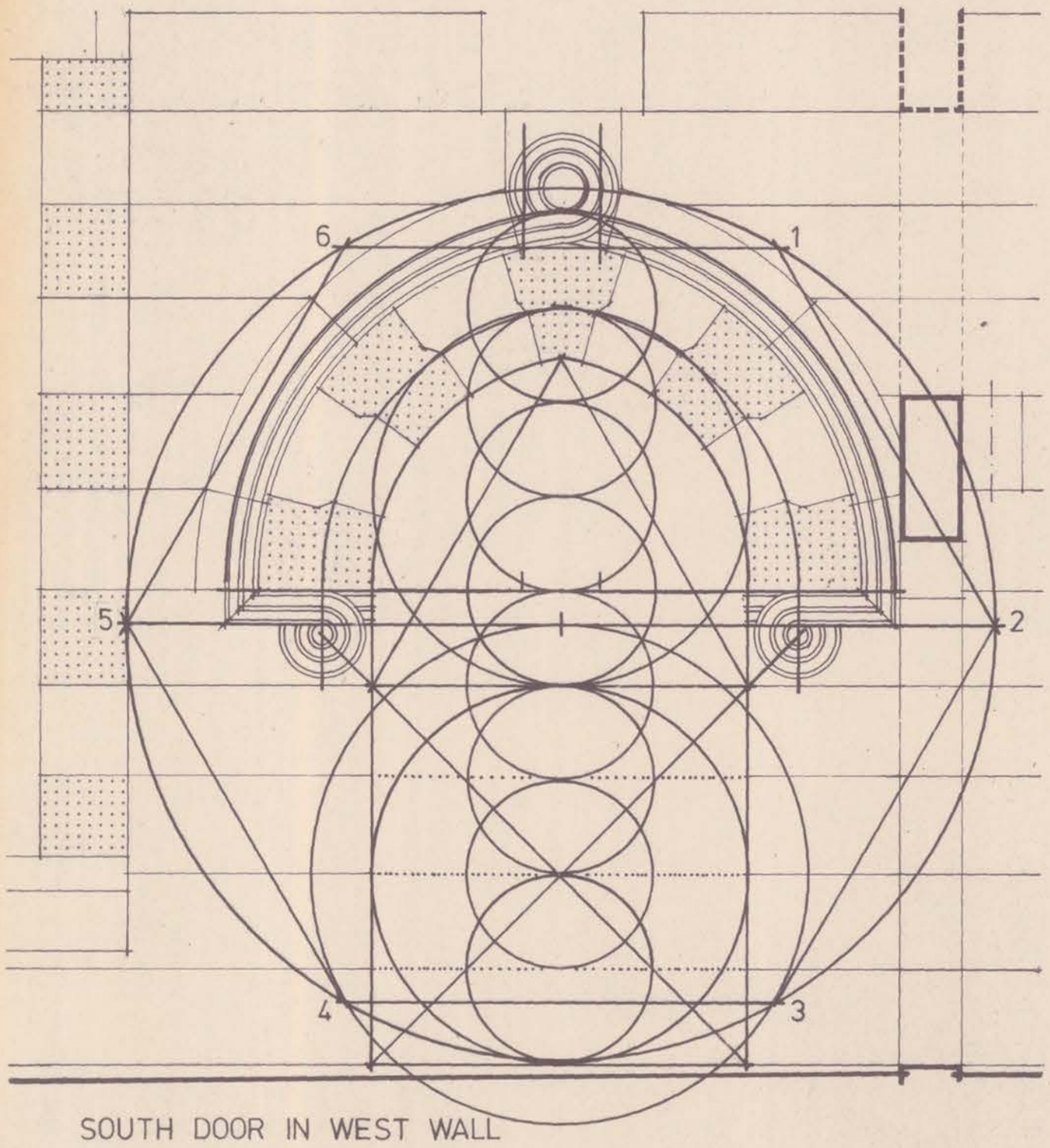
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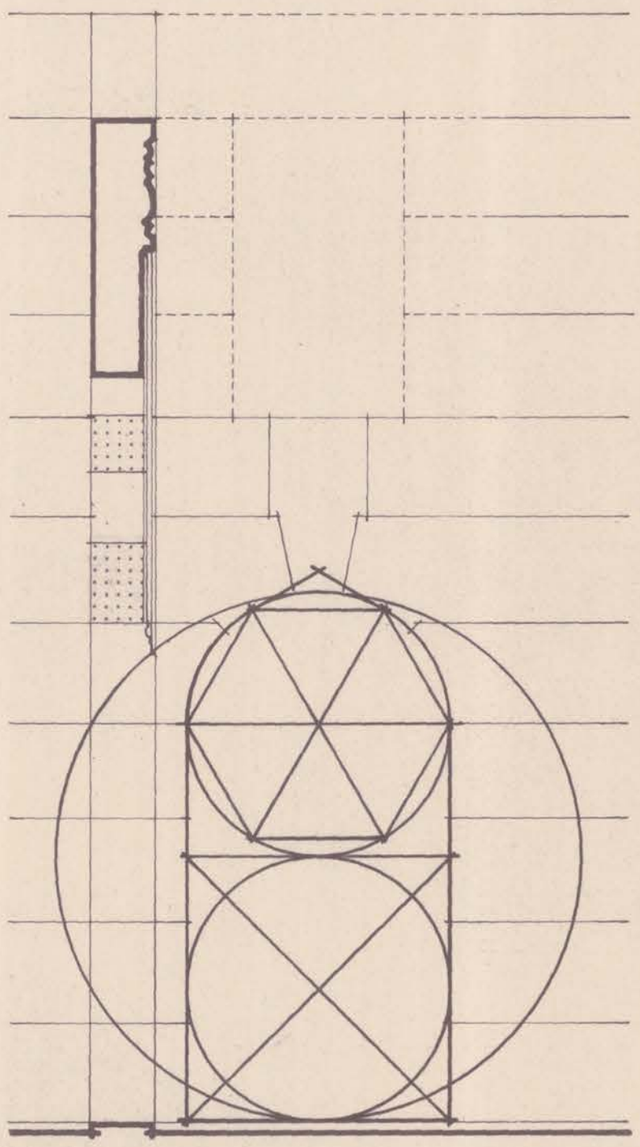
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M.SC, ARIAS, ARIBA
F.S.A. SCOT.

TRIPLE WINDOW RECESS IN WEST WALL

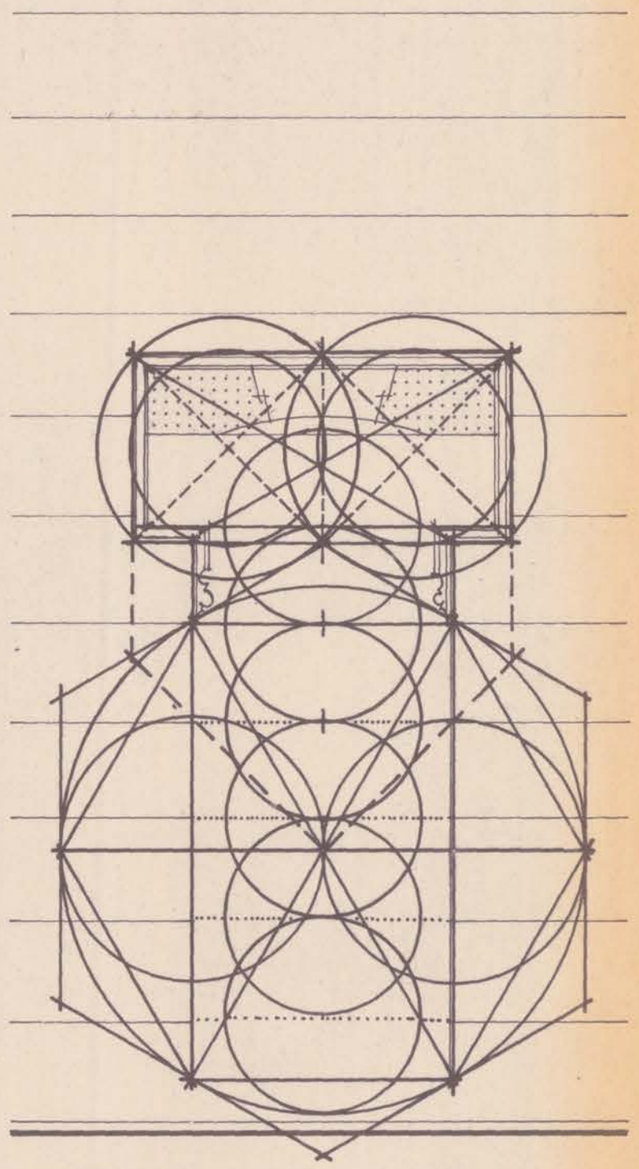



SOUTH DOOR IN WEST WALL



EAST DOOR IN SOUTH WALL



CENTRAL DOOR IN SOUTH WALL

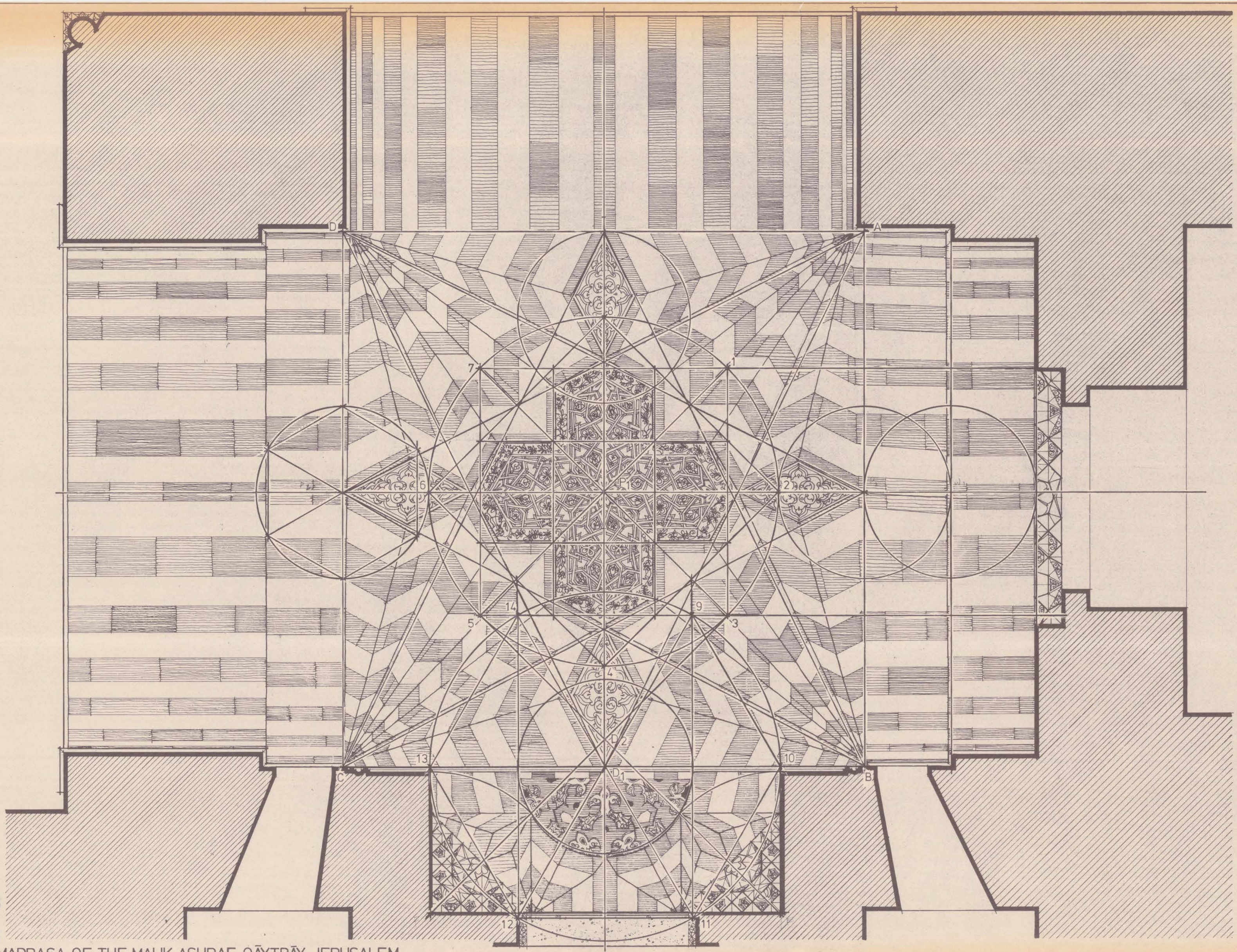
1 0 1 2m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
GEOMETRY UNDERLYING OPENINGS IN THE COURTYARD.

21

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MADRASA OF THE MALIK ASHRAF QĀYTBĀY JERUSALEM.
PLAN OF THE VAULTING OVER THE PORCH AND PORTAL. SHOWING DETAILED GEOMETRY.

DELT. A. GEORGE WALLS. M.Sc., R.I.B.A., A.R.I.A.S., F.S.A. (Scot.) 7/6

MADRASA OF THE MALIK ASHRAF QĀYTBĀY JERUSALEM.
GEOMETRY UNDERLYING WINDOW WALL AND VESTIBULE.

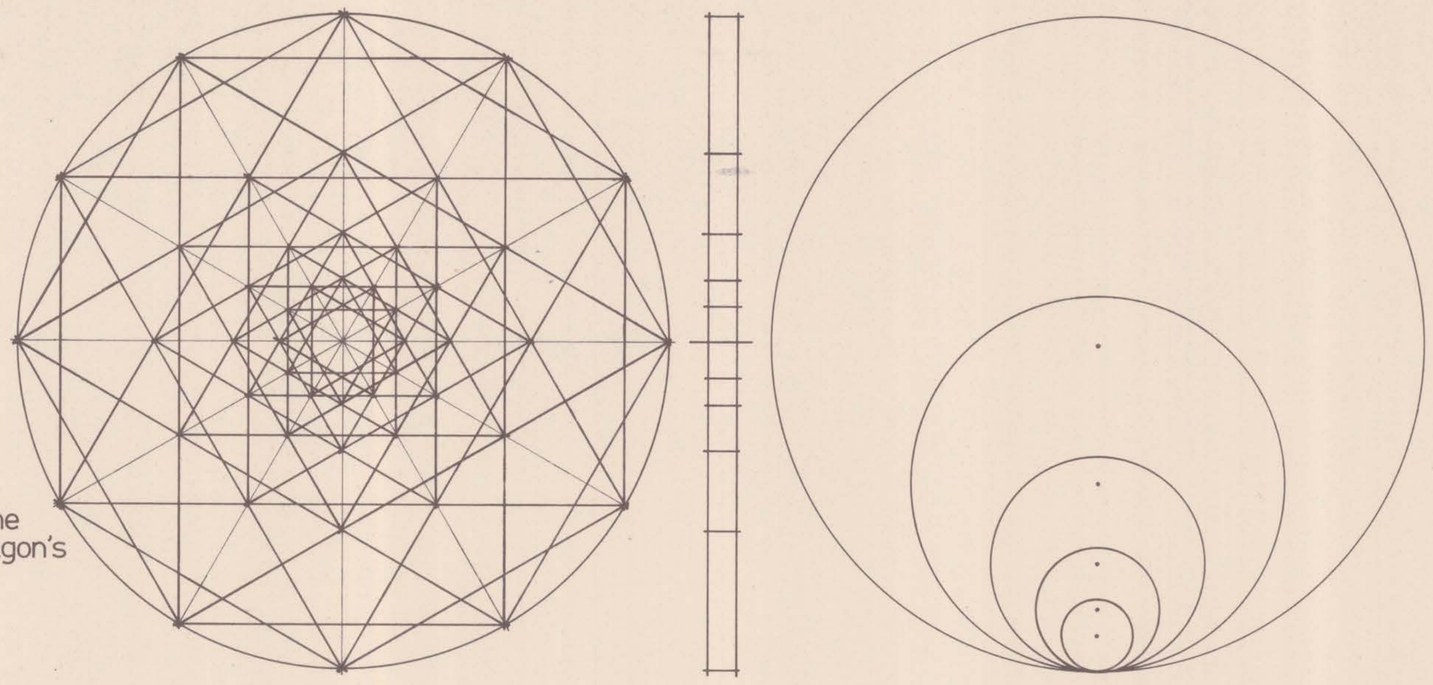
1 0 1 2m.

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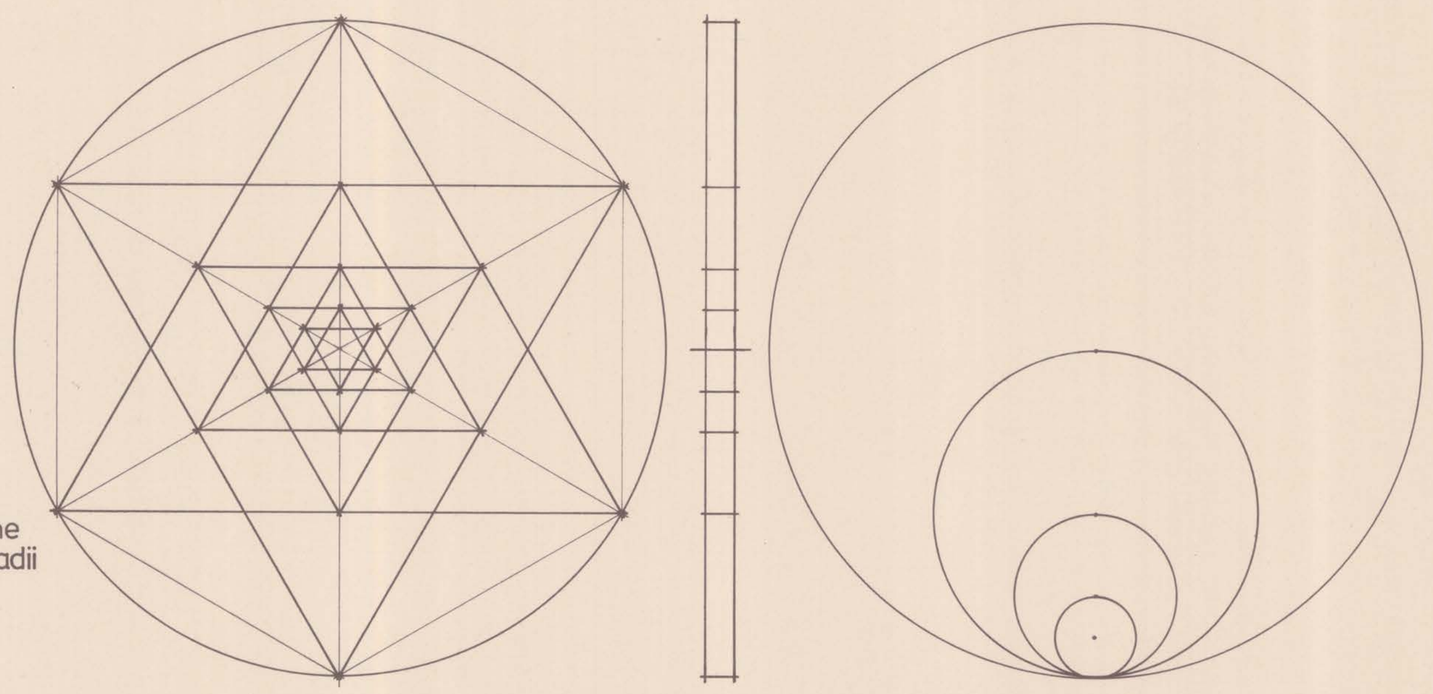
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
GEOMETRY UNDERLYING THE PORTAL WALL.

1 0 1 2m.

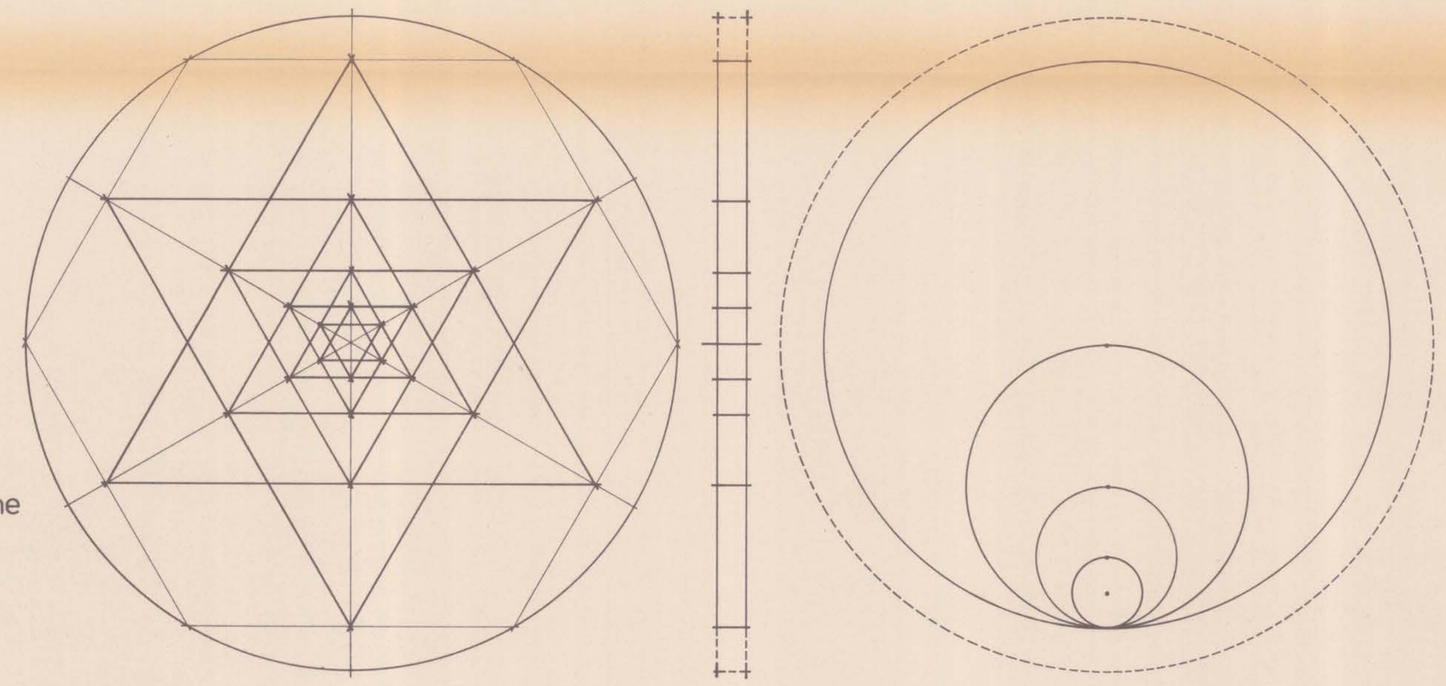
DELT. A. GEORGE WALLS. M.Sc., R.I.B.A., A.R.I.A.S., F.S.A. (SCOT.).



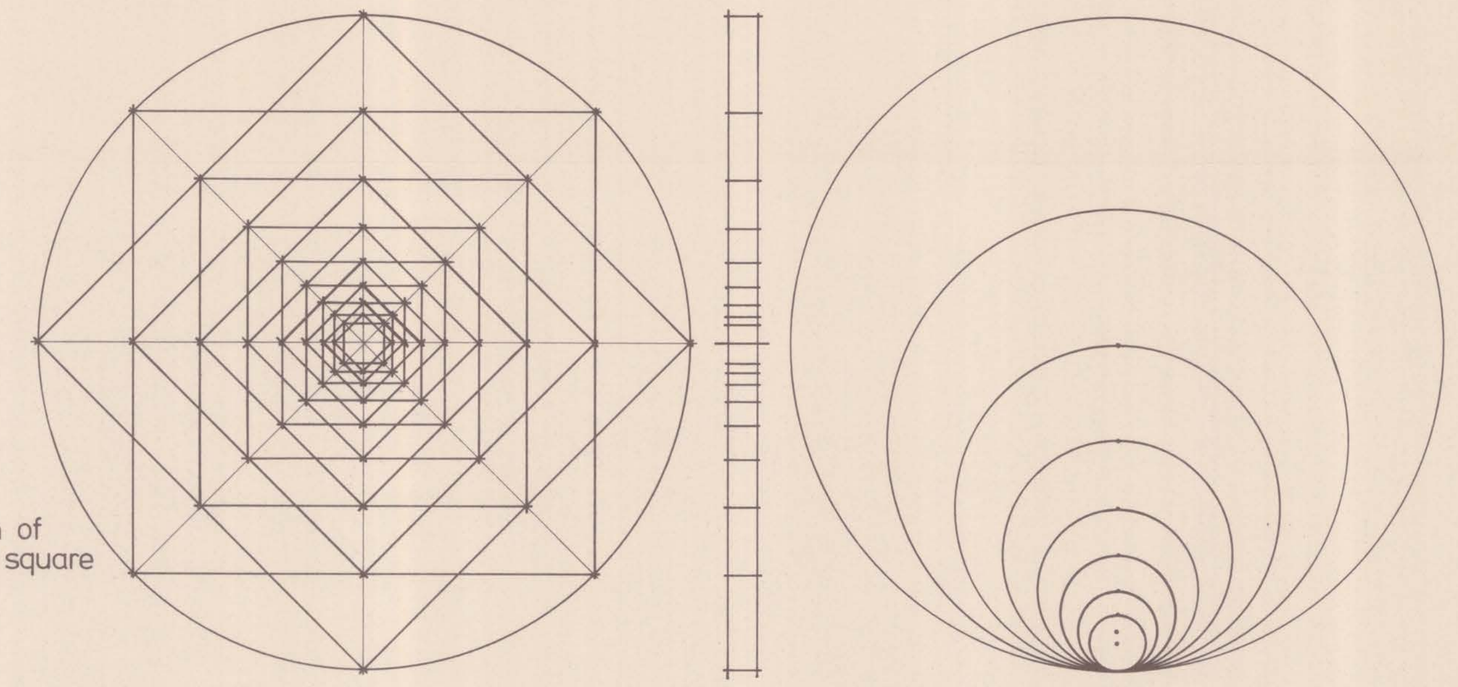
Subdivision based on the double hexagon's radii
[4]



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

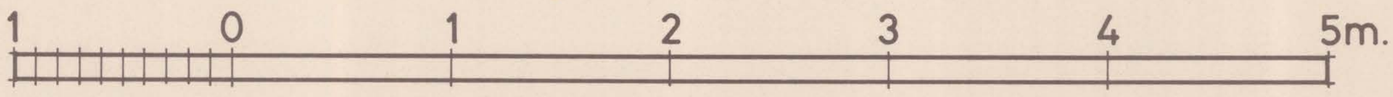








COMPARATIVE SUMMATION OF SUBUNITS

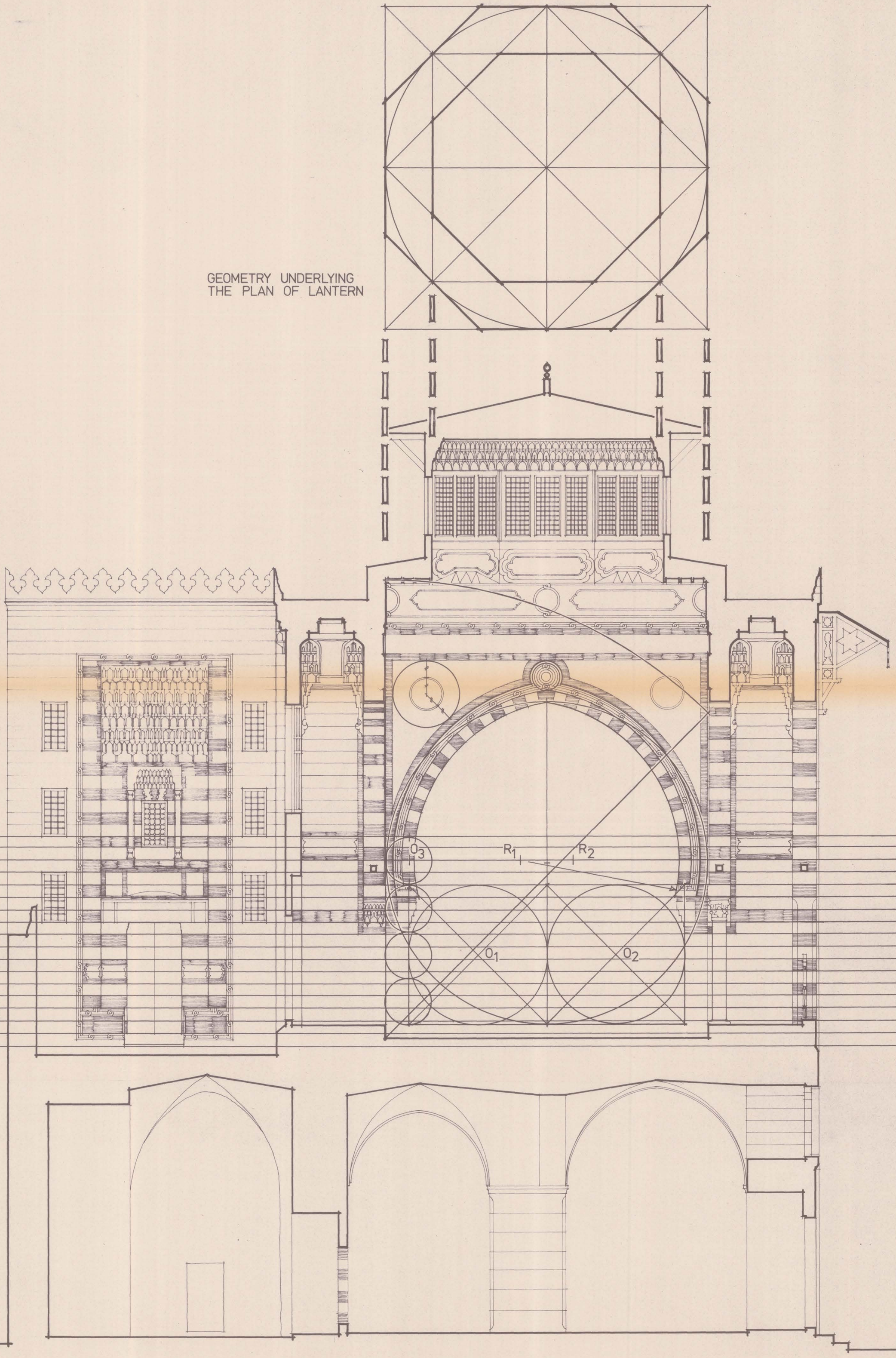



# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# DERIVATIVES OF THE 1/5 GENERATING CIRCLE.

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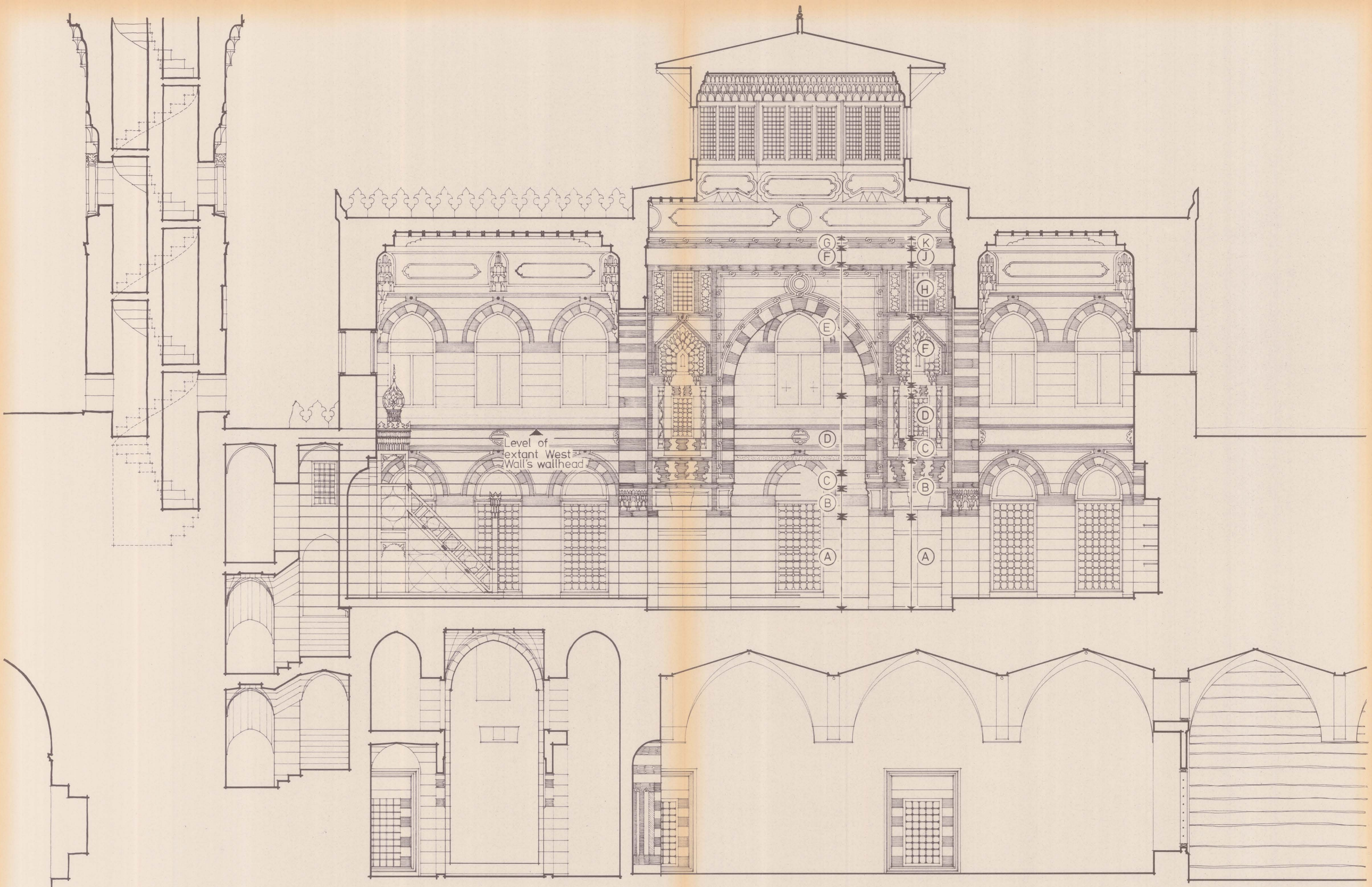
79.

GEOMETRY UNDERLYING
THE PLAN OF LANTERN




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# PROPORTIONS OF THE SAḤN'S GREAT ARCHES.

DELT. A. GEORGE WALLS, M.Sc, ARIAS, A.R.I.B.A., F.S.A. SCOT.




MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
RESTORED COURSE HEIGHTS OF THE SAḤN'S WEST WALL.

27

DELT. A. GEORGE WALLS
M.Sc. ARIAS, AARUBA,
F.S.A. SCOT.

J
H
G
F
E
D
C
B
A

Level of extant wallhead

1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# RESTORED COURSE HEIGHTS AND PROPORTIONS OF WEST WALL.

28

DRGT: J. GEORGE WALLS, M.SC, ARIAS, ARIBA, F.S.A. SCOT.

NOTE :

* 3 ARCHES REQUIRE MAX. HEIGHT.
* ARCH WIDTHS DIFFER, BUT THIS IS ALSO FOUND IN CAIRO.
* WHITE KEYSTONE, GENERALLY RED ARE USED IN QĀYTBĀY BUILDINGS.
* DISCONTINUITY BETWEEN INTERNAL AND EXTERNAL ABLAQ COURSING : OBSERVE DISCONTINUITY IN MAJMA$^{c}$ DOORS AND WINDOWS.

EXTERNAL.

SYMETRICAL VOUSSOIRS

MOULDED FRAME

ABLAQ OR ARABESQUES WITH INLAYS.

WHITE KEYSTONE

ZENITH OF GREAT ARCH

ASSYMETRICAL HEWER!

WHITE KEYSTONE

RED KEYSTONE

MATCHING INTERNAL COURSING — AT ODDS WITH EXTERNAL JAMB'S ABLAQ AND PRODUCES RED KEYSTONE

* * SIDE ARCHES * LARGER SPAN THAN CENTRAL.

EXISTING RED STONES

EXISTING JAMB AND FRAME.

MOULDING TO CORNICE FIXED BY EARLIER CALCULATIONS.

c/a WIDTH OF MOULDING.

COMPOSITE TRIALS BASED ON ʿUTHMĀNIYYA AND MUZHIRIYYA.

TIMBER CORNICE.

DIA. EQUAL TO ½ SPAN

SPACE TO BE FILLED

SICENT LINK

INSC.

SPACE TO BE FILLED? RECTANGULAR WINDOWS? NO = ABLAQ ? TOO HEAVEY.

WHITE KEYSTONE.

* ARABESQUE OR ABLAQ ?
* ABLAQ OVERCOMES PROBLEMS.
* ARABESQUES ACKWARD SHAPES ALTHOUGH WEST IWĀN'S SPANDRELS COULD BE ARABESQUES.
* ABLAQ VOUSSOIRS JUXTAPOSITION WITH ABLAQ COURSES POOR.

BEAMS TO MATCH WEST ARCH

IWAN'S

* ALL ARCH SPANS THE SAME DUE TO MUQARNAS IMPOSTS AT SIDES

RED PADSTONE?

FLOOR TO UNDERSIDE OF TIMBER CORNICE FIXED BY EARLIER CALCULATIONS.

INTERNAL.

℄ OF RED STONE ON EXTERIOR

℄ OF RED STONE.

NORTH-SOUTH DIMENSION OF SAḤN

1 0 1 2 3 4 5m.

* * TRIPLE ARCADE LOWER THAN GREAT ARCHES THIS HAS TO BE AMENDED.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
LOGGIA DESIGN ESSAY.



DELT. A. GEORGE WALLS M.SC, ARIBA, AMIAS, FSA SCOT

179.

TIMBER CANTILEVERS

INSC. PANEL

WHITE KEYSTONE.

NOTE: SPANDRELS

EXISTING JAMB AND FRAME

O/A WIDTH OF MOULDING.

INTRADOS

COMPARATIVE ANALYSIS OF "RED STONE" POSSIBILITIES

EXTERNAL.

MOULDING TO CORNICE FIXED BY EARLIER CALCULATIONS.

TIMBER CORNICE

INSCRIPTION

ARABESQUES NOT ABLAQ

RED KEYSTONE MATCHING THOSE OF THE GREAT AND SIDE ARCHES IN SAHN.

FLOOR TO UNDERSIDE OF TIMBER CORNICE FIXED BY EARLIER CALCULATIONS.

℄ OF RED STONES

℄ OF RED STONES.

NORTH - SOUTH DIMENSION OF SAHN

INTERNAL.

1 0 1 2 3 4 5m.

** TRIPLE ARCADE'S HEIGHT EQUALS THAT OF GREAT ARCH.

# MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# LOGGIA DESIGN SOLUTION.

20

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'79.

THE THREE ARCHES HAVE EQUAL SPANS

1 0 1 2 3 4 5 6 7 8 9 10 m.

MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
LOGGIA SOLUTION INTRODUCED INTO SAḤN.

31

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'79

J
H
G
F
E
D
C
B
A

Level of
Riwāq roof

Level of
extant
wallhead

AXIS FOR INTERNAL SIDE ARCH
NOT THE EXTERNAL ARCH: THUS
THE EXTERNAL SIDE ARCH IS
WIDER AND FRACTIONALLY
HIGHER THAN THE INTERNAL
AND THE CENTRAL EXTERNAL
ARCH.

1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# LOGGIA SOLUTION INTRODUCED INTO THE EAST ELEVATION.

32

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F.S.A. (SCOT.

'79

1 0 1 2 3 4 5 6 7 8 9 10 m.

MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
EAST ELEVATION (RESTORED)



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F.S.A. Scot.

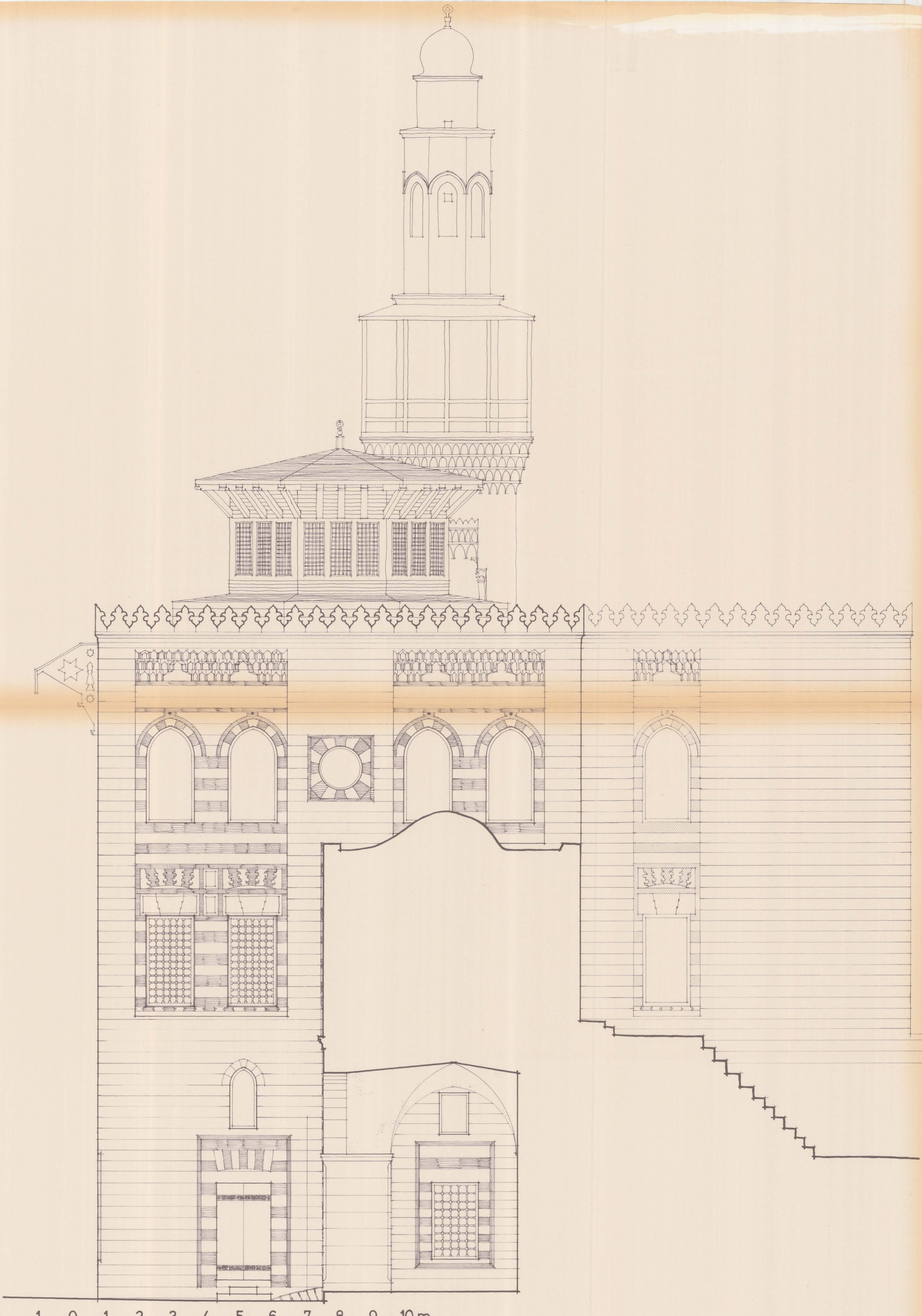
'79




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SOUTH WALL (RESTORED).

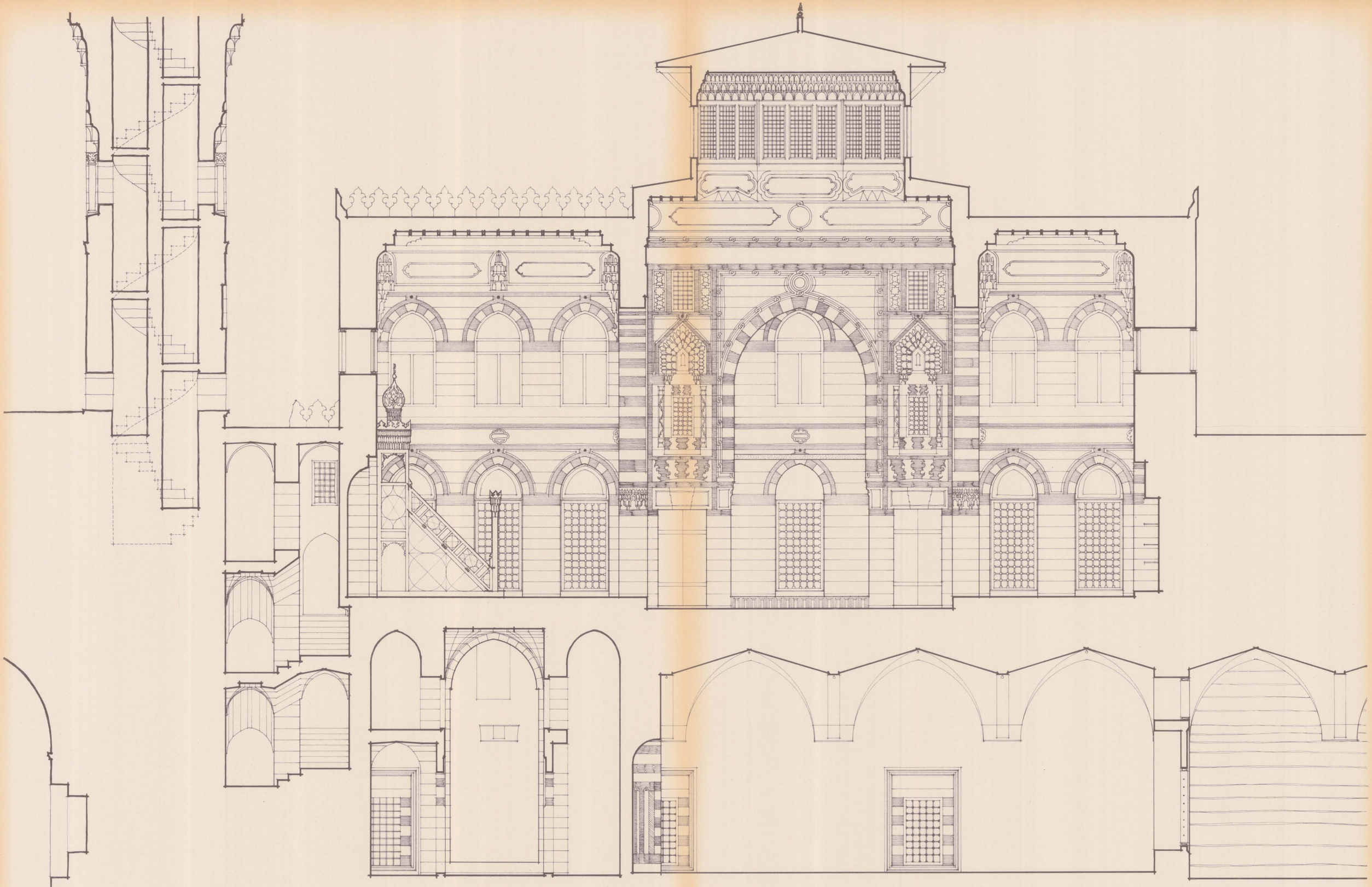
DRCT. A. GEORGE. WALLS
M.Sc, ARIAS, ARIBA,
F.S.A. SCOT.

1:79.




MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
NORTH ELEVATION (RESTORED).

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MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SECTION W1 (RESTORED)

36

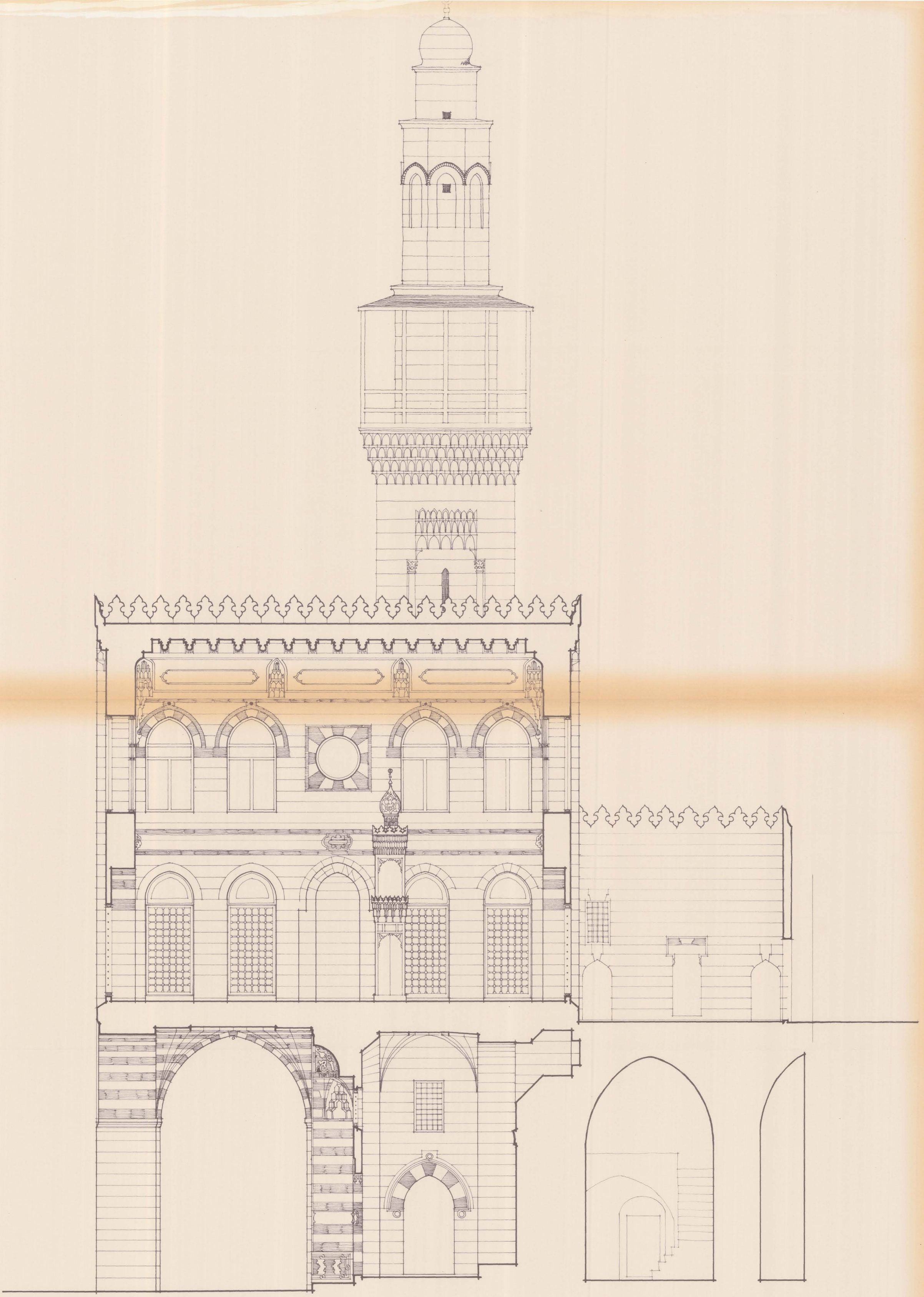
DRUT. A. FREDERIC WALLS
M.I.Sc. ARIAS ARUBA
P.S.A. SCOTT

1 0 1 2 3 4 5 6 7 8 9 10 m.

MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SECTION E1 (RESTORED)

37

DRGT. A. GEORGE WALLS, M.Sc, MAIAS, MRTPI, F.S.A. Scot.




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION S1 (RESTORED)

DRLT. A. GEORGE WALLS, M.SC., ARIAS, ARIBA, FSA SCOT.

79

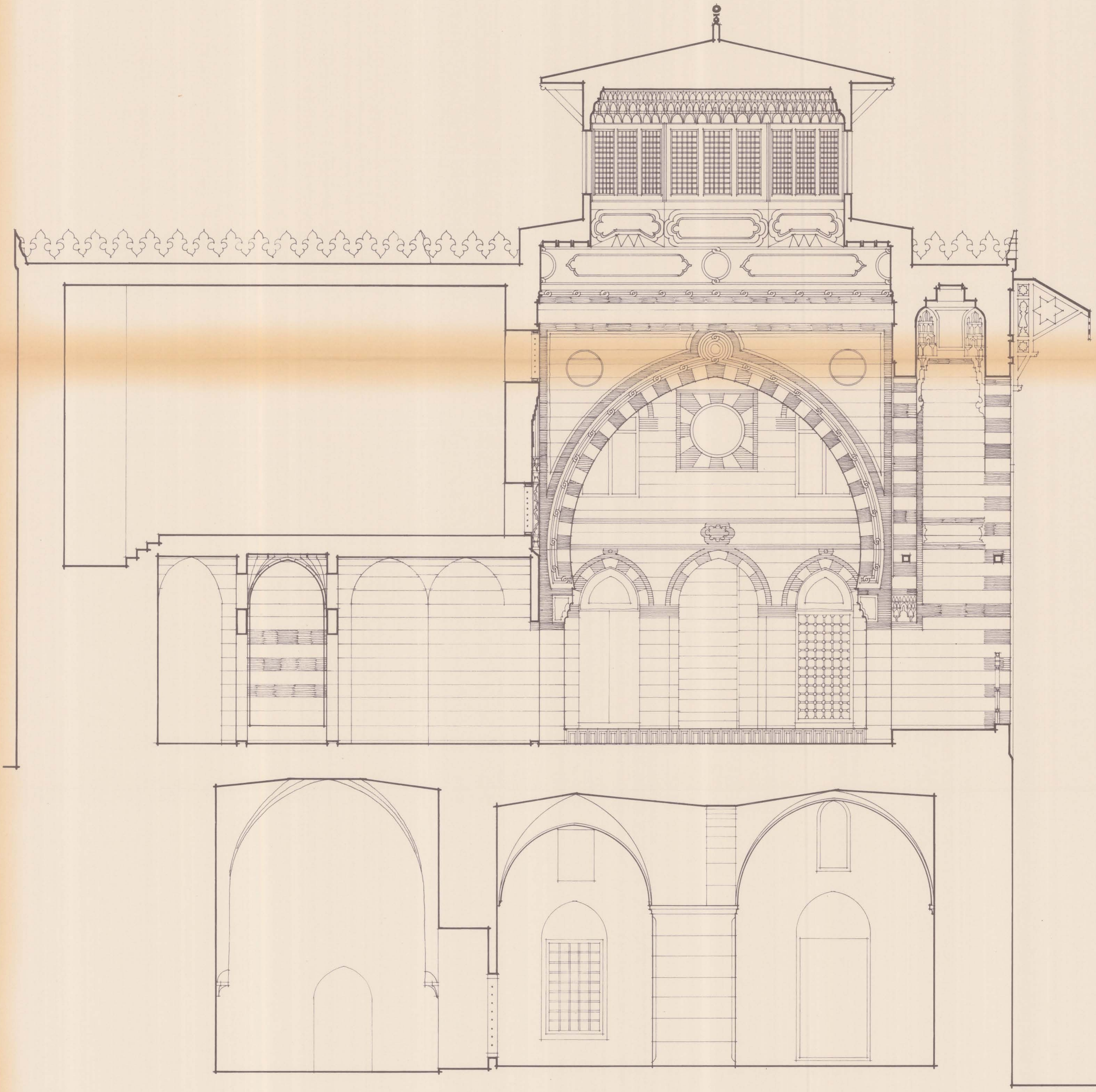



68

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
## SECTION N3 (RESTORED)

DELT. A. GEORGE WALLS, M.Sc, ARIAS, ARIBA, F.S.A. SCOT.

1:75




# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION N2 (RESTORED).

DELT. A. GEORGE WALLS M.SC. ARIAS, ARIBA, F.S.A. SCOT.

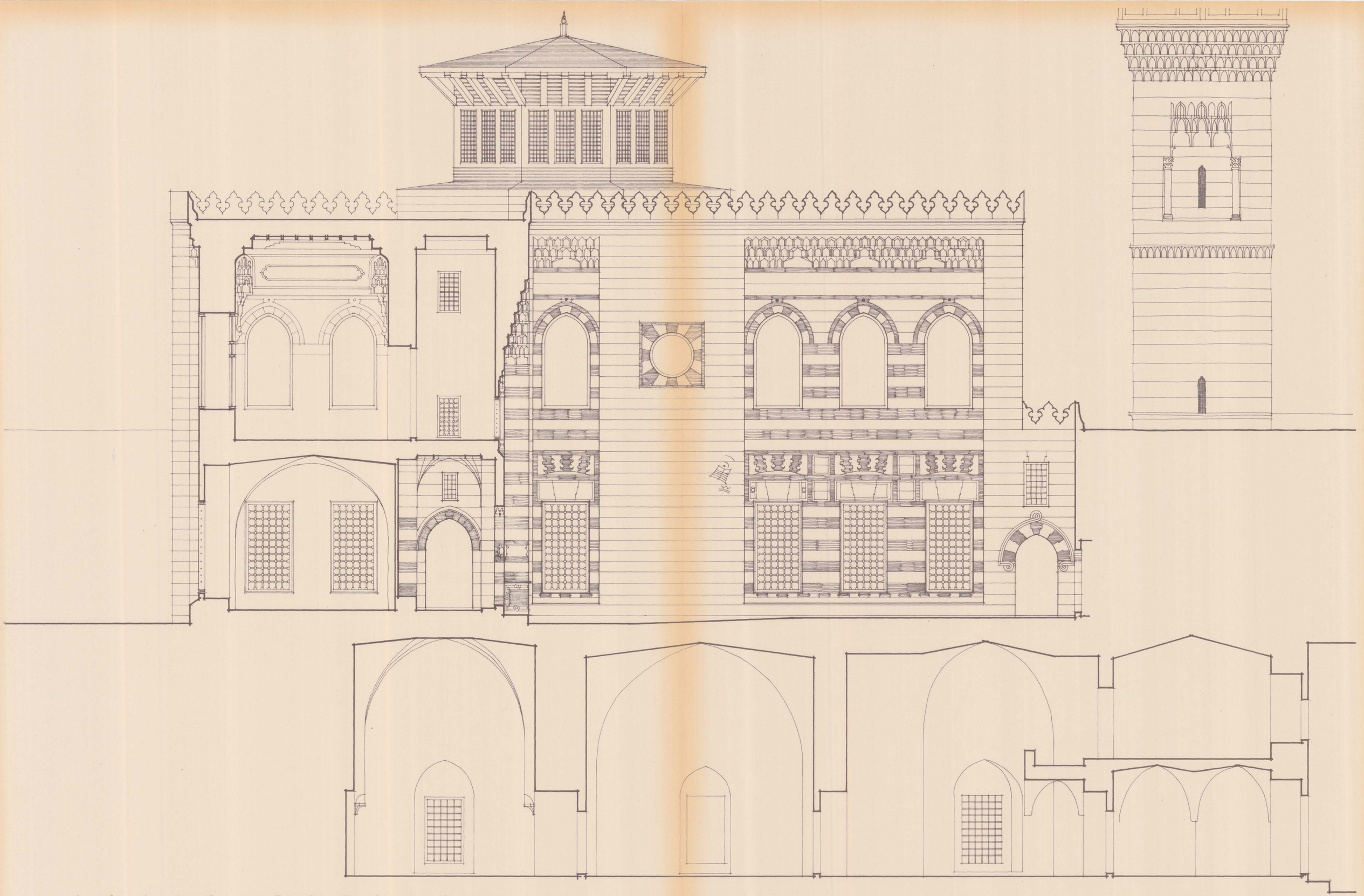
'79



1 0 1 2 3 4 5 6 7 8 9 10 m.

# MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
# SECTION N1 (RESTORED).

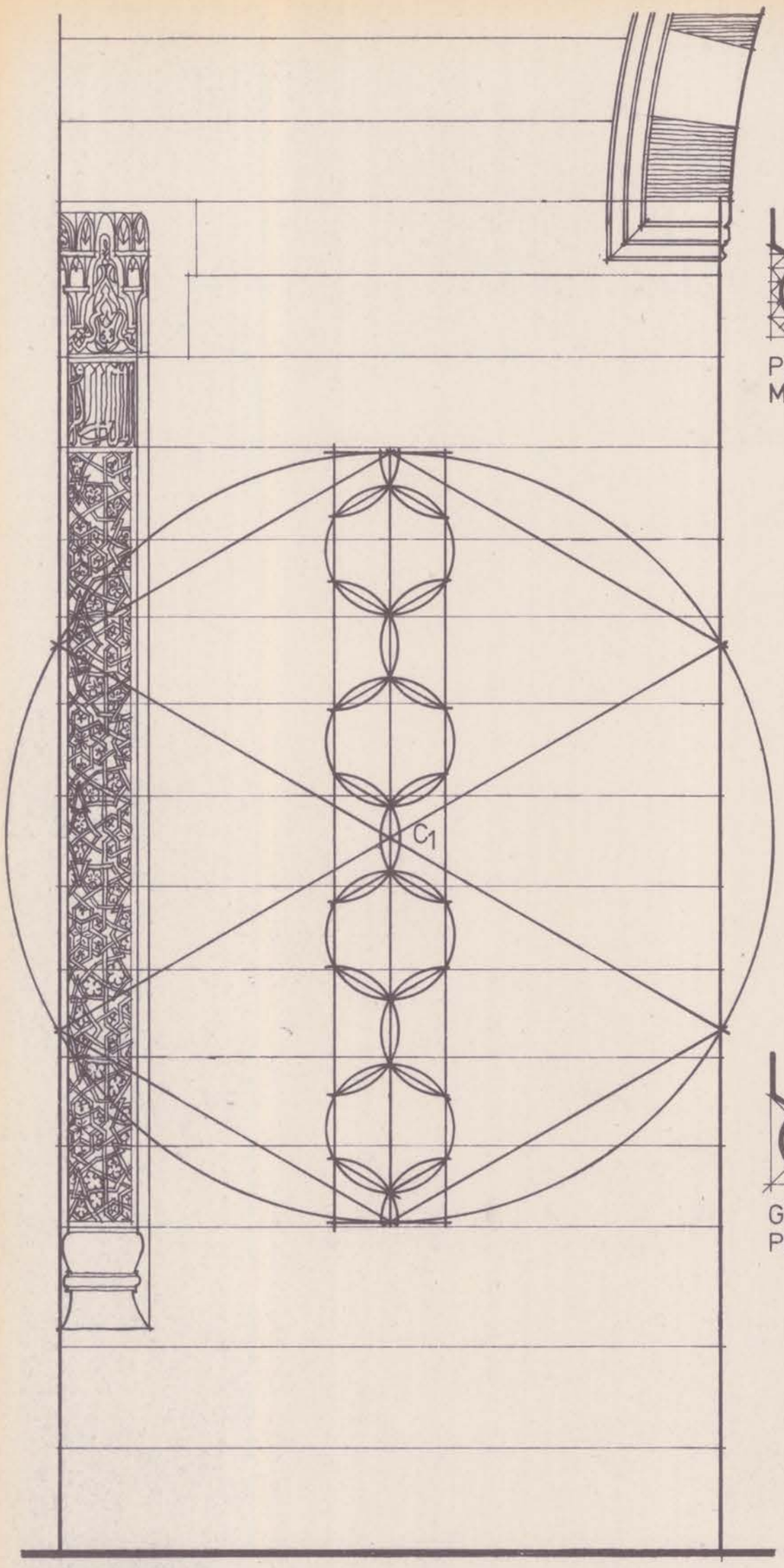
DELT. A. GEORGE WALLS, M.SC, ARIAS, ARIBA. FSA SCOT




MADRASA OF MALIK ASHRAF QĀYTBĀY, JERUSALEM.
WEST WALL (RESTORED).

42

DELT. A. BECHOR-WALLS,
M.S. ARAS, JAR'AM,
F.S.A. SCOT



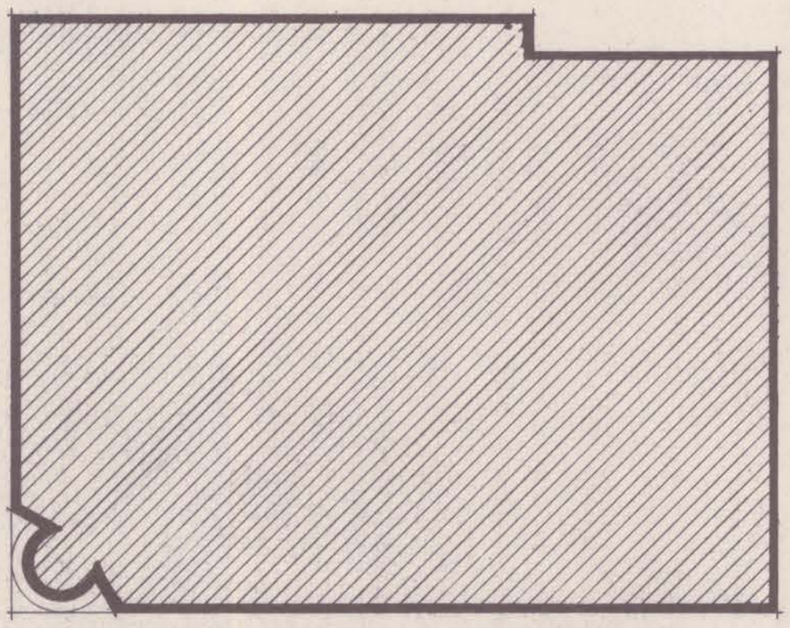

ELEVATION



PLAN OF
MUQARNAS

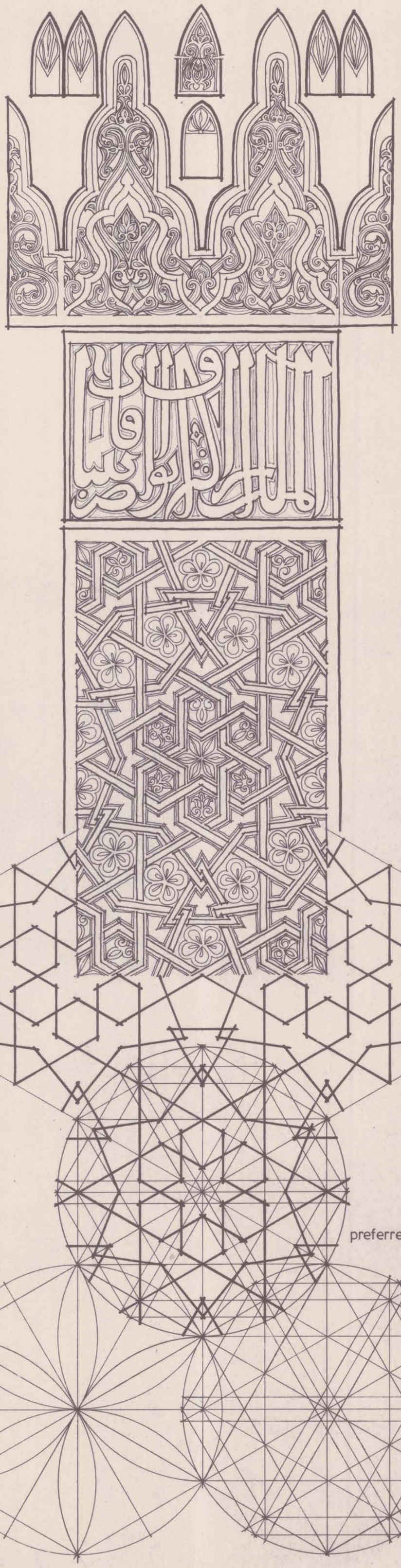


GEOMETRIC
PLAN OF SHAFT



PLAN

1 0 1m.



DECORATED FIELDS

INSCRIPTION

DESIGN AND GEOMETRY
OF COLUMN'S SHAFT

preferred lines

basic repeat unit

point joining

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
ENGAGED COLUMN AT THE PORCH.

43

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M.Sc., A.R.I.B.A., A.R.I.A.S.,
F.S.A. (Scot.)

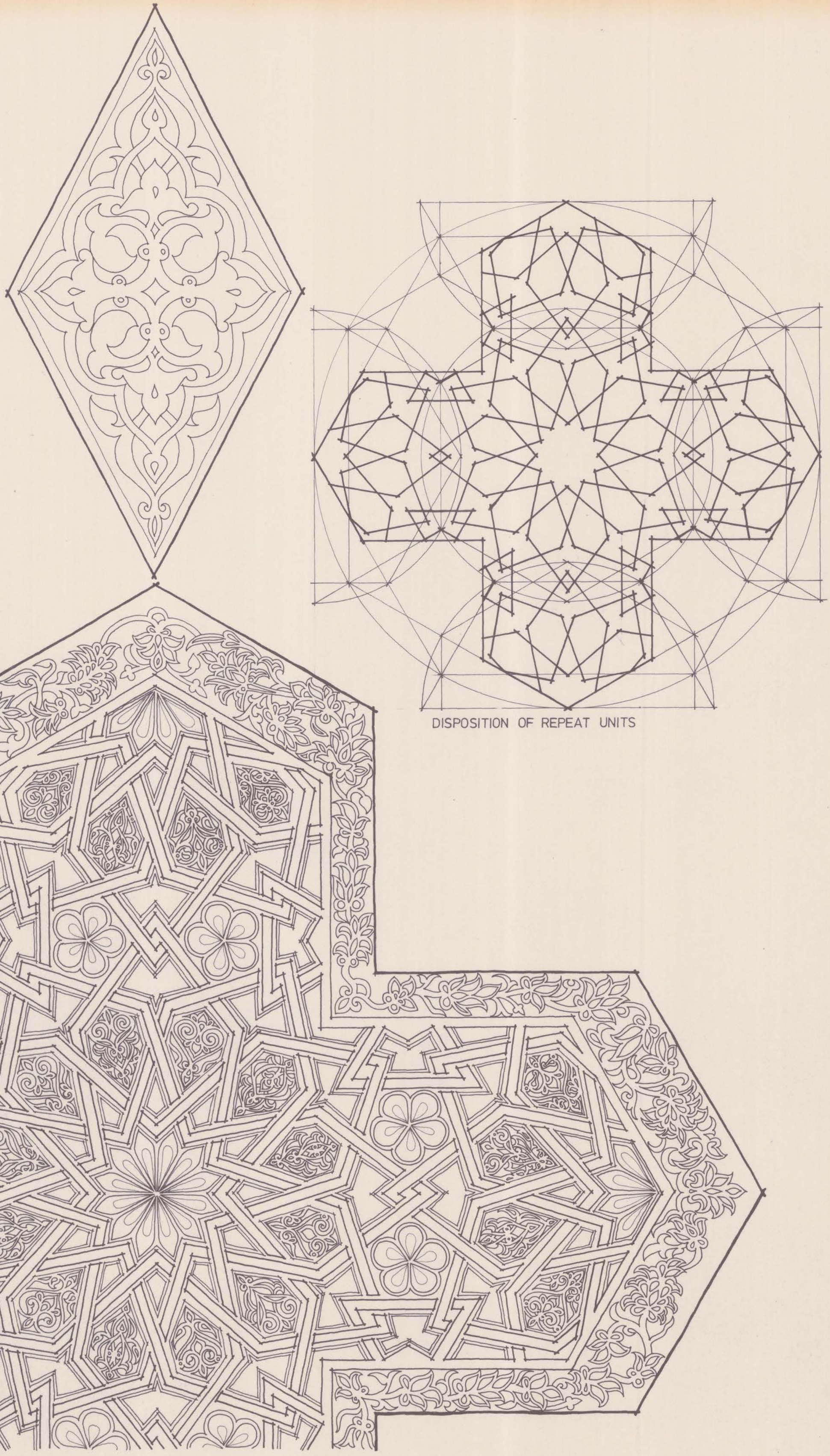
'75.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
PLAN OF THE VAULTING OVER THE PORCH AND PORTAL.

1 0 1 2m.

DELT. A. GODFREY WALCOT. M.Sc., R.I.B.A., M.R.I.A.S. F.G.A. (SCOT.)

1976



DISPOSITION OF REPEAT UNITS

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED CENTRE OF PORCH VAULT

45

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point joining

basic repeat unit

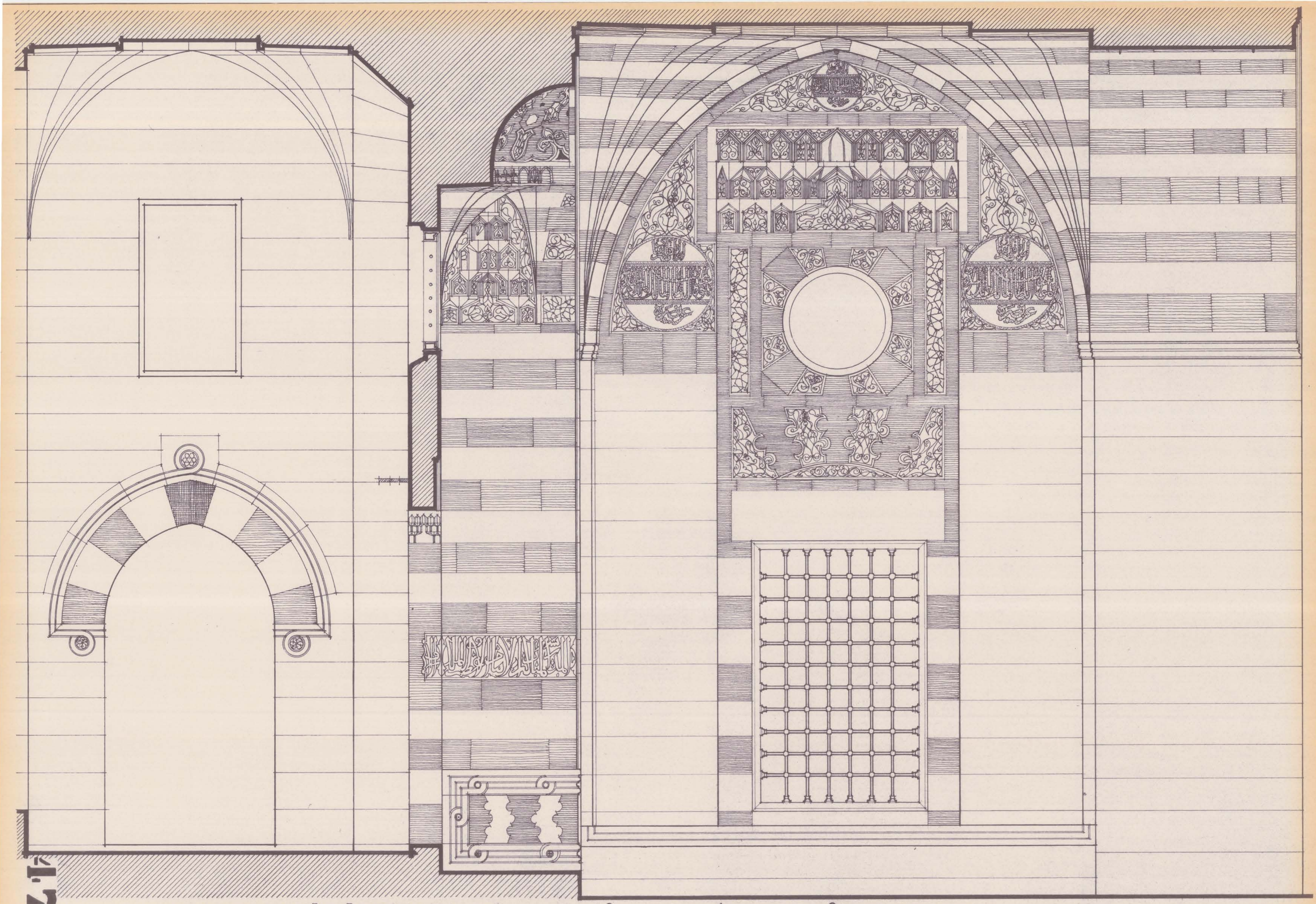
preferred lines

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
GEOMETRY UNDERLYING PORCH VAULT CENTRE.

46

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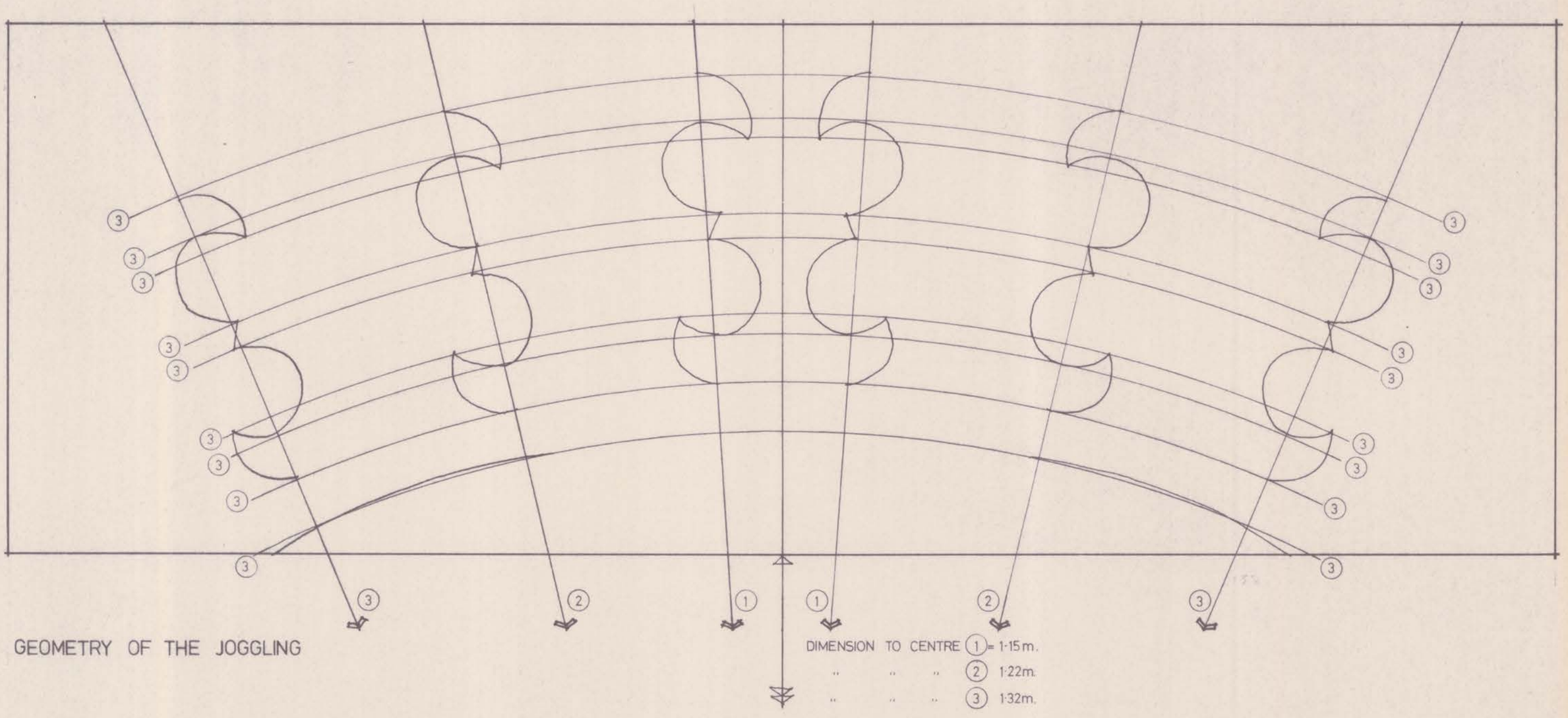
MADRASA OF THE MALIK ASHRAF QĀYTBĀY JERUSALEM.
NORTH OR WINDOW WALL OF PORCH.

1 0 1 2m.

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VEGETAL FORMS IN OUTLINE




GEOMETRY OF THE JOGGLING

DIMENSION TO CENTRE (1) = 1·15 m.
" " " (2) 1·22 m.
" " " (3) 1·32 m.

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED JOGGLED LINTEL IN WINDOW WALL.

48

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GENERAL DIVISIONS OF THE OVERALL SIDE PANEL

GEOMETRY OF THE ŒIL-DE-BŒUF

VEGETAL FORMS IN OUTLINE

POSITIONS OF THE REPEAT UNITS IN SIDE PANEL

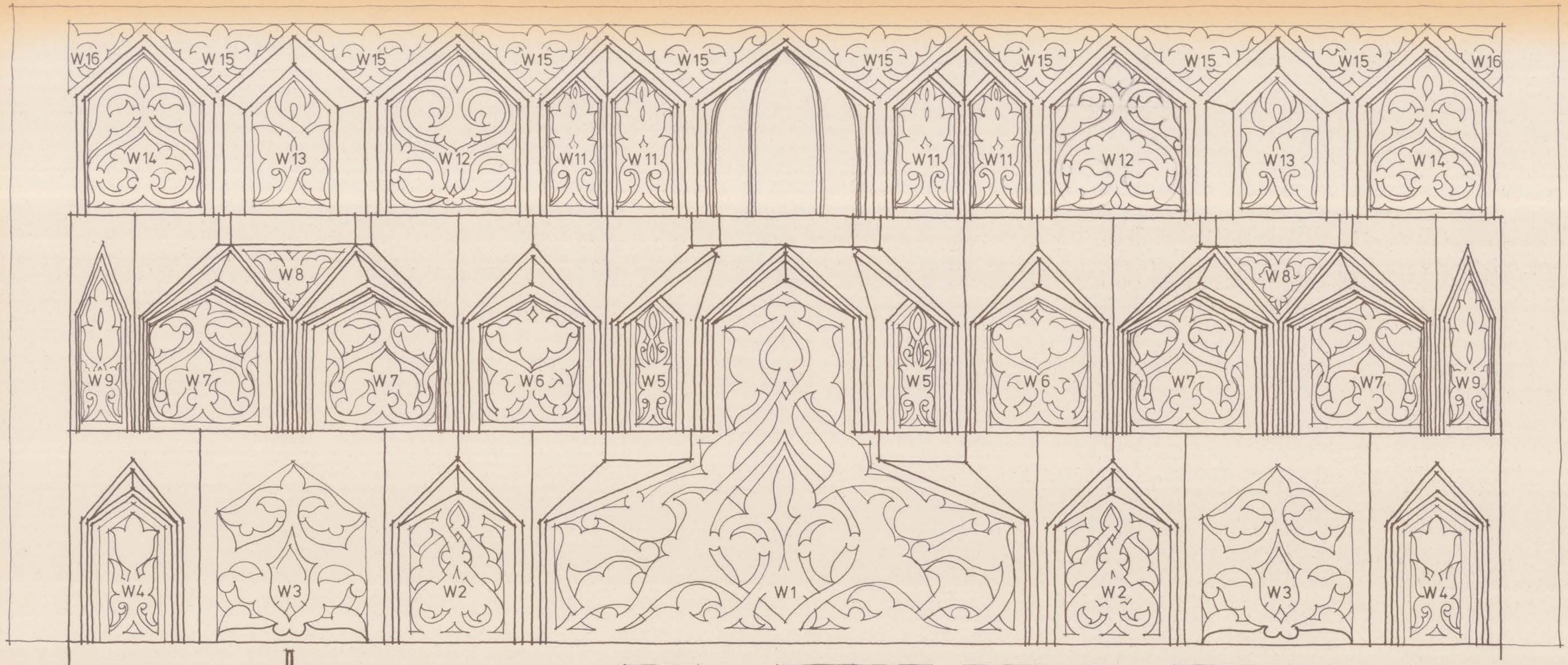
0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
ŒIL-DE-BŒUF WINDOW AND GEOMETRICAL SIDE PANELS IN WINDOW WALL.

49

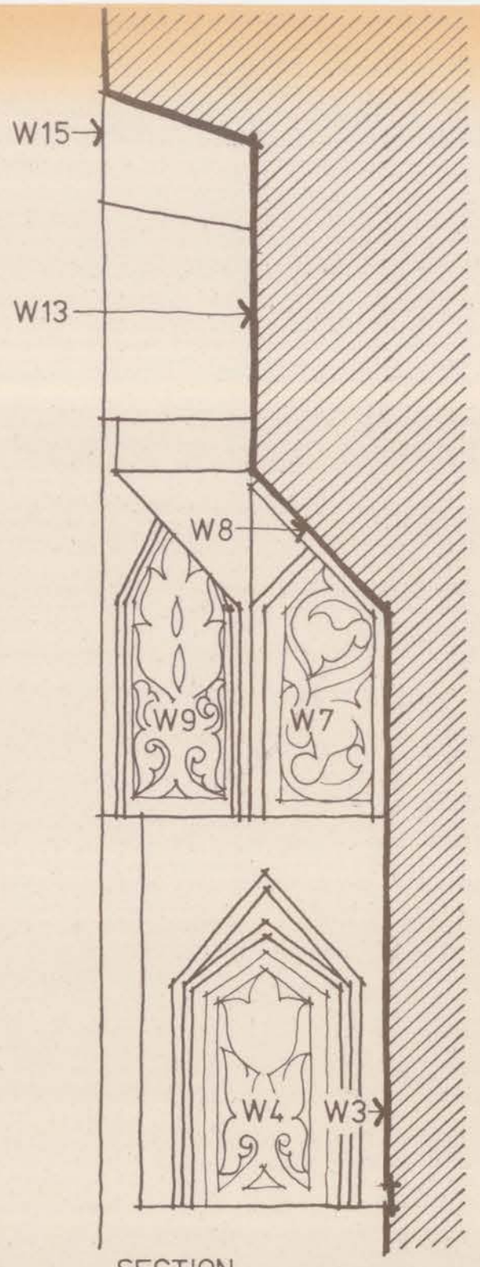
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'79.



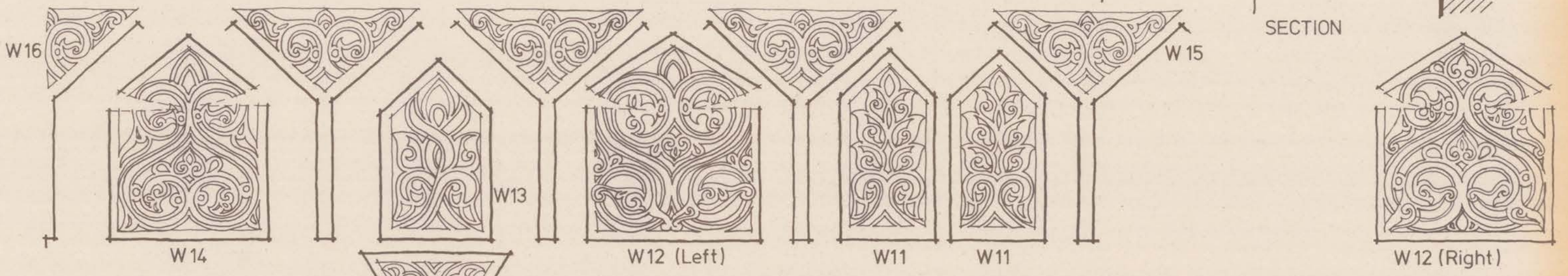

ELEVATION

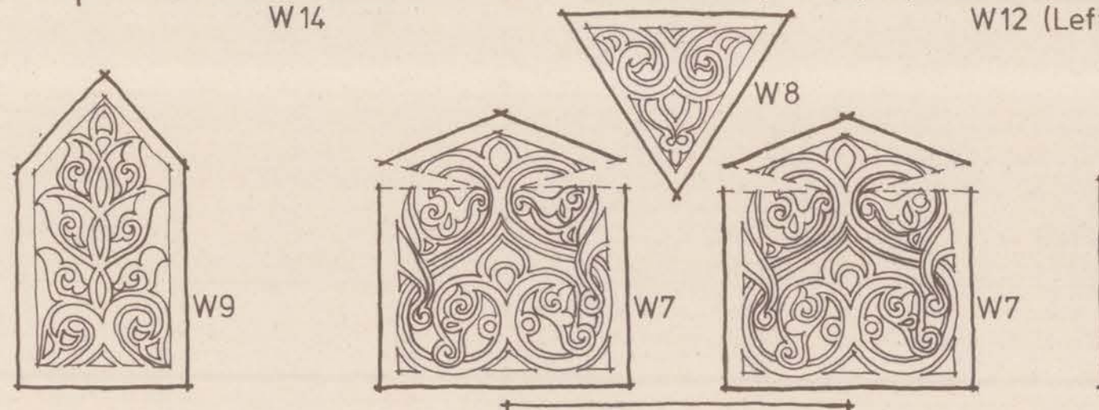
line of section

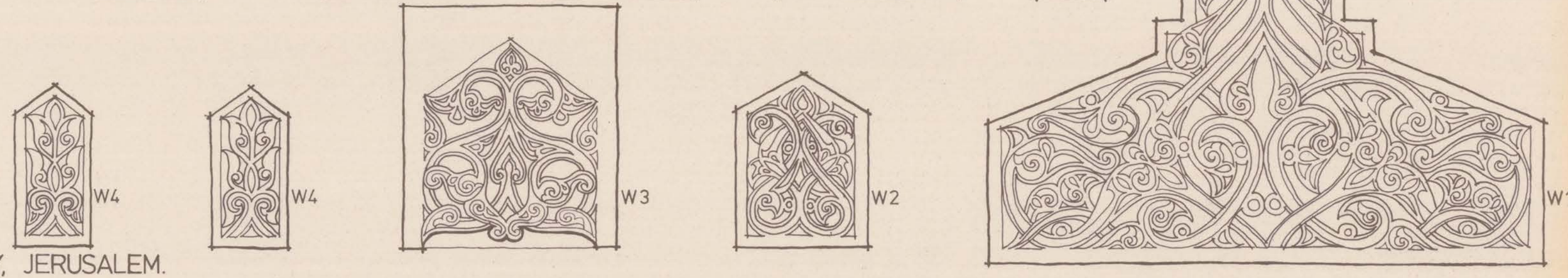



SECTION

CARVED MUQARNAS CELLS



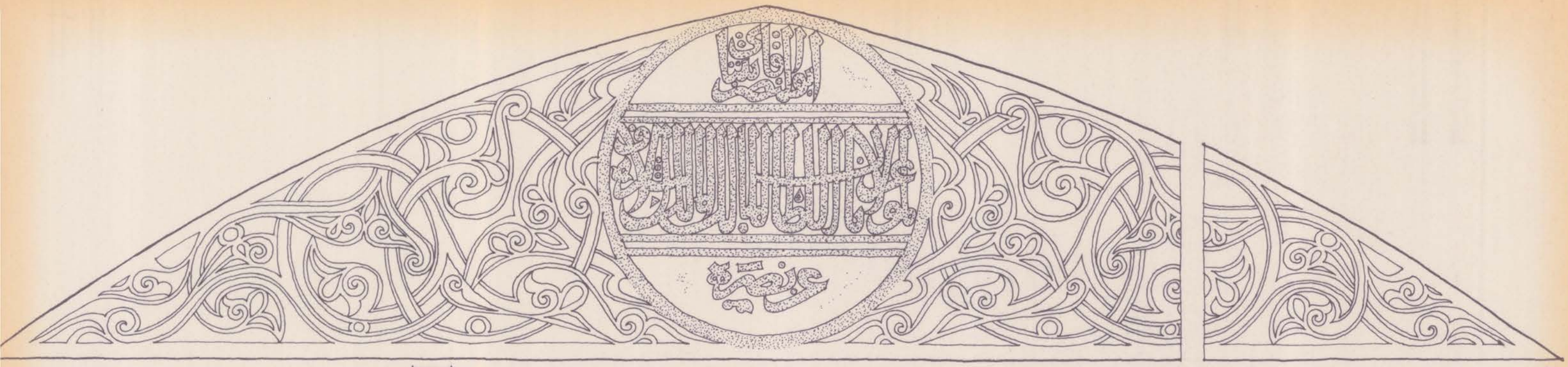



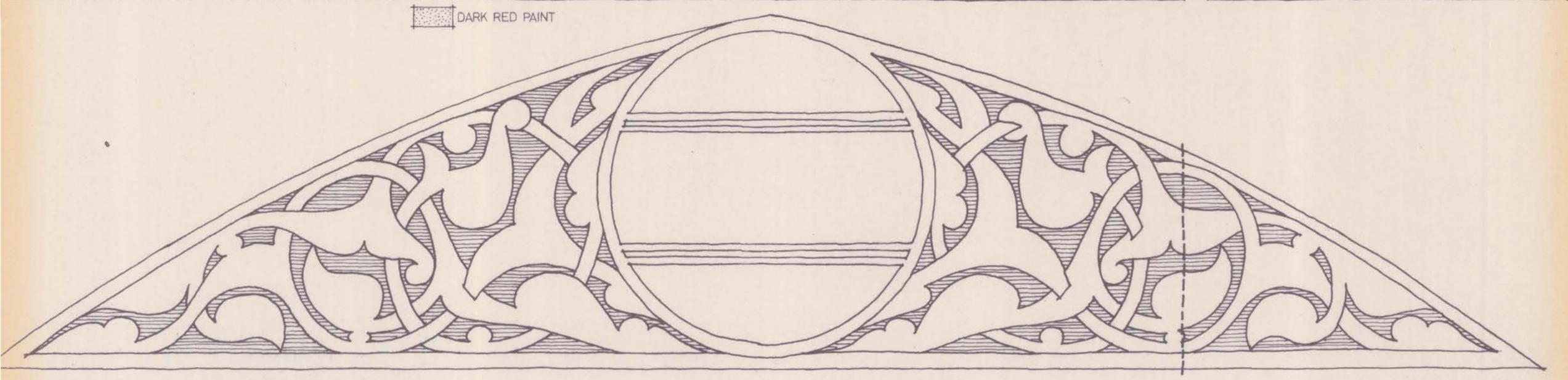

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
RECTILINEAR MUQARNAS IN WINDOW WALL.

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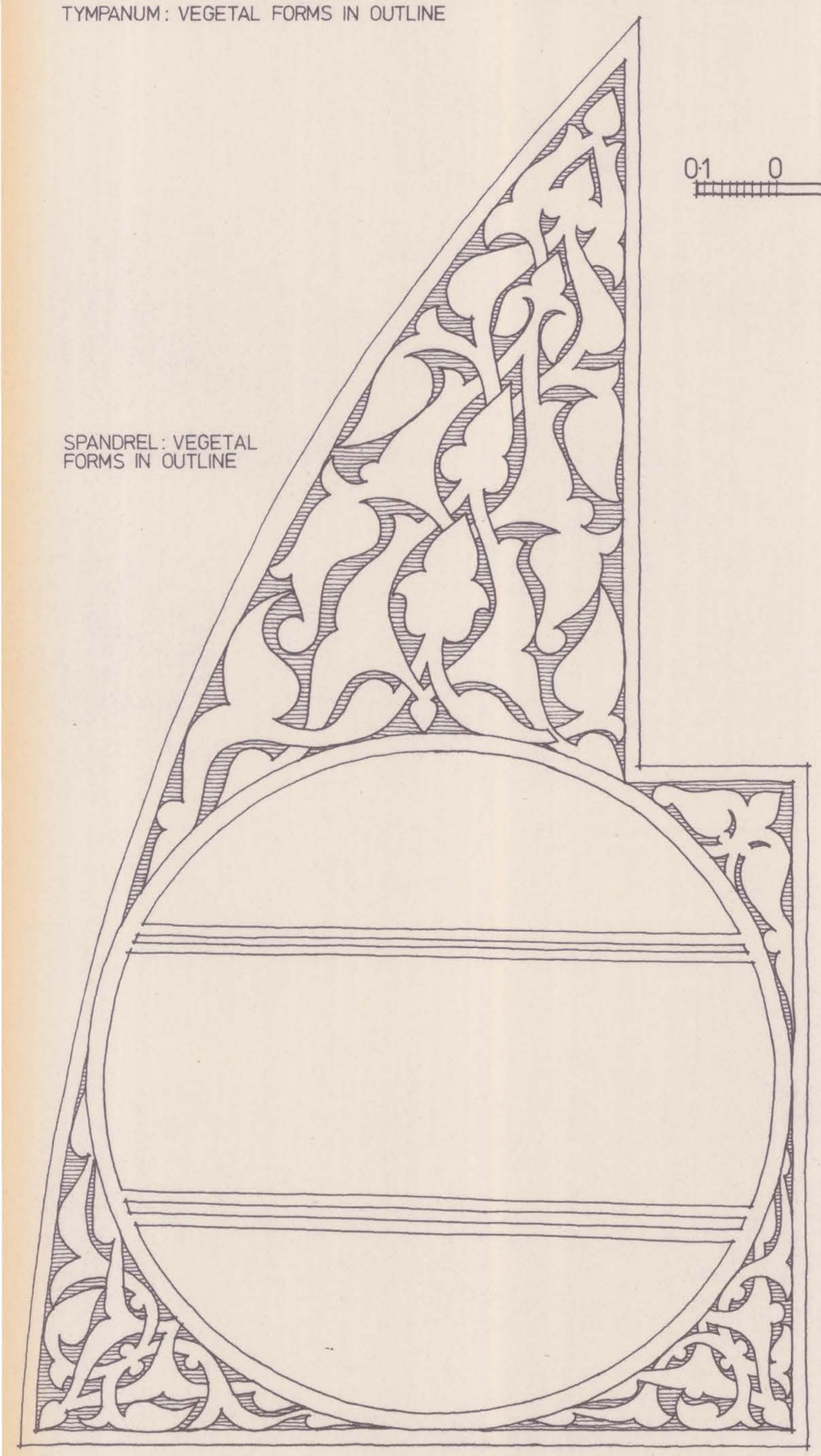
DARK RED PAINT

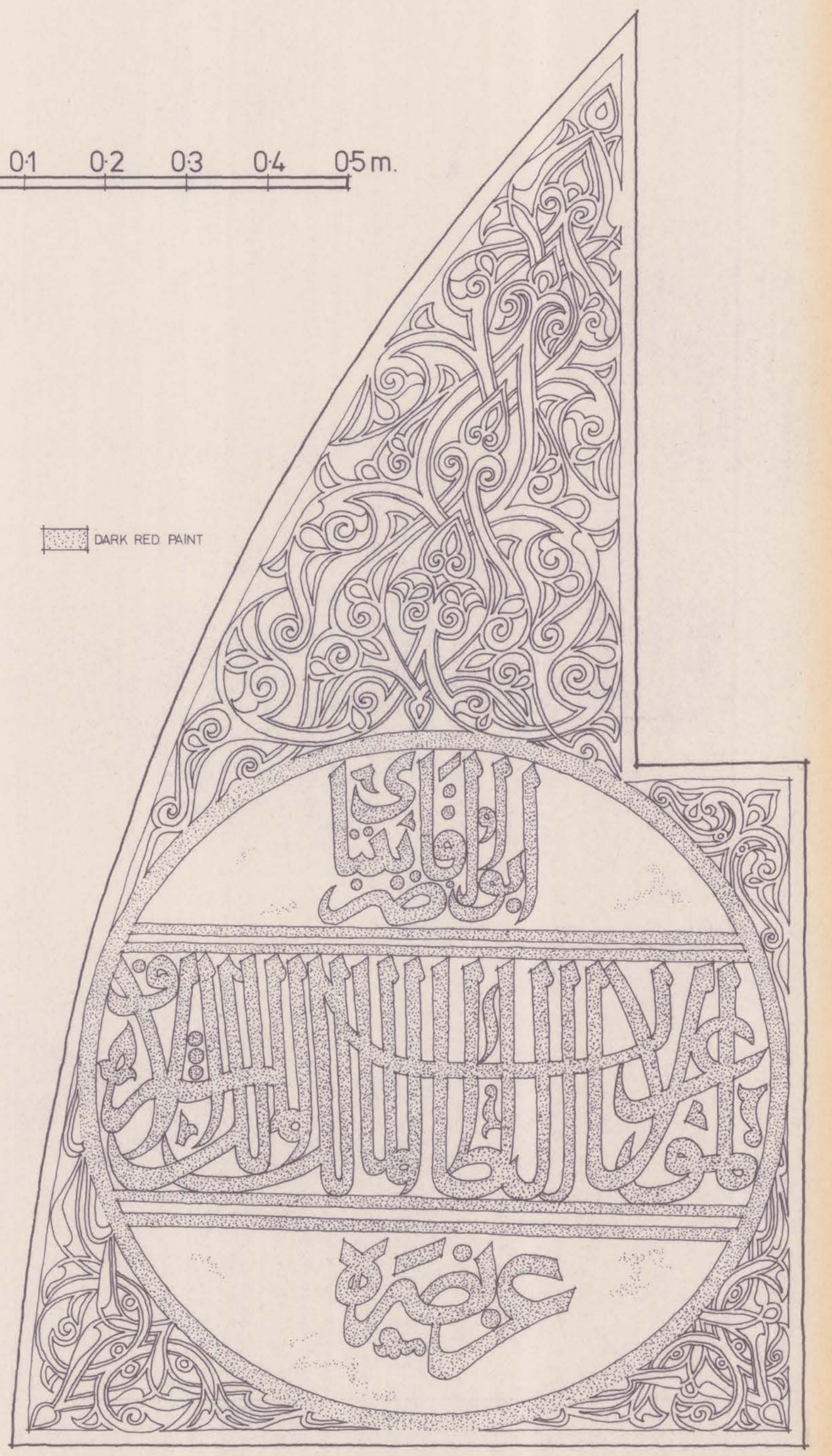


TYMPANUM: VEGETAL FORMS IN OUTLINE

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

SPANDREL: VEGETAL FORMS IN OUTLINE





DARK RED PAINT

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SHEILDS OF QĀYTBĀY IN THE SPANDRELS AND TYMPANUM OF THE WINDOW WALL.

51

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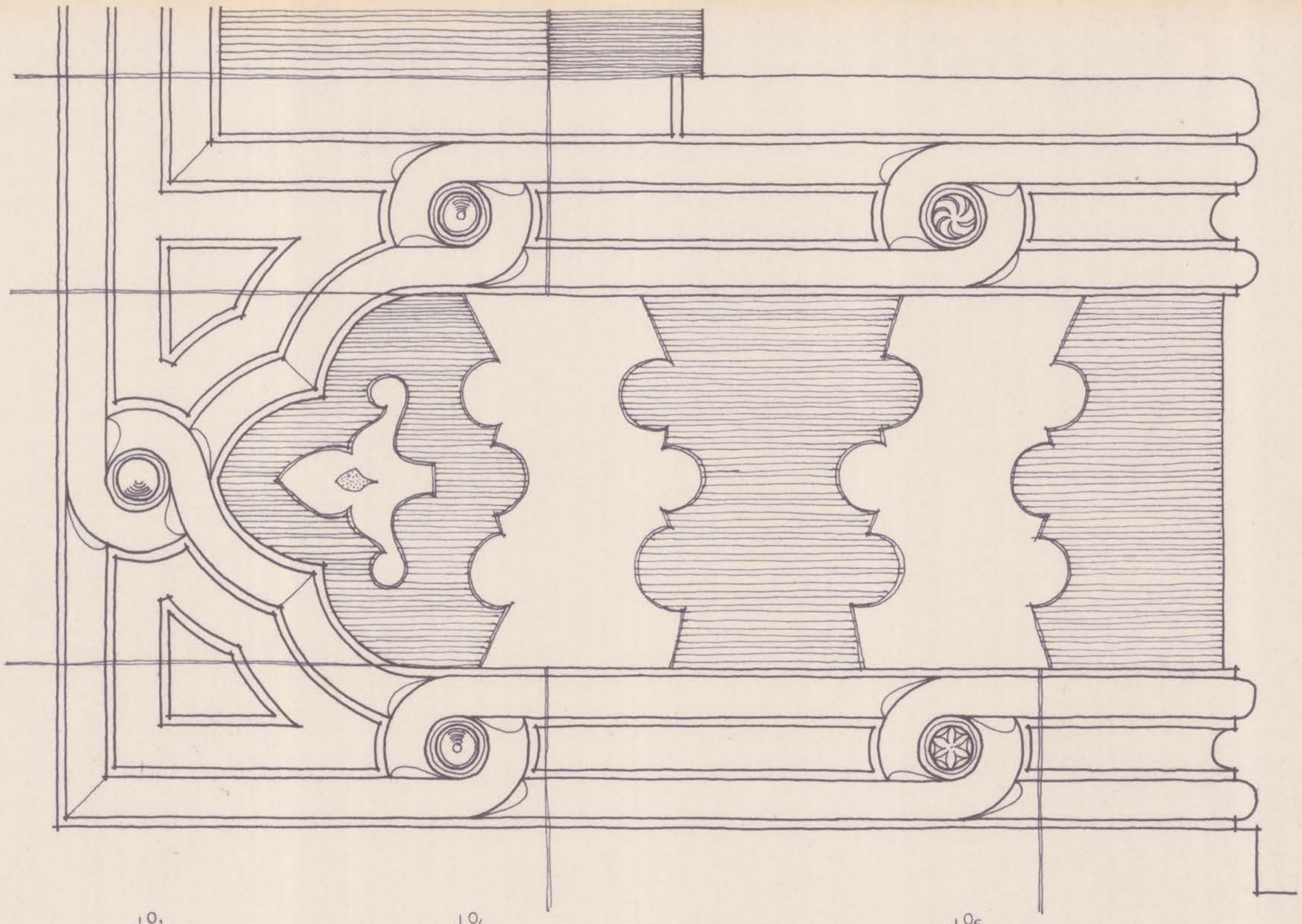
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
WEST OR PORTAL WALL OF PORCH

1 0 1 2m.

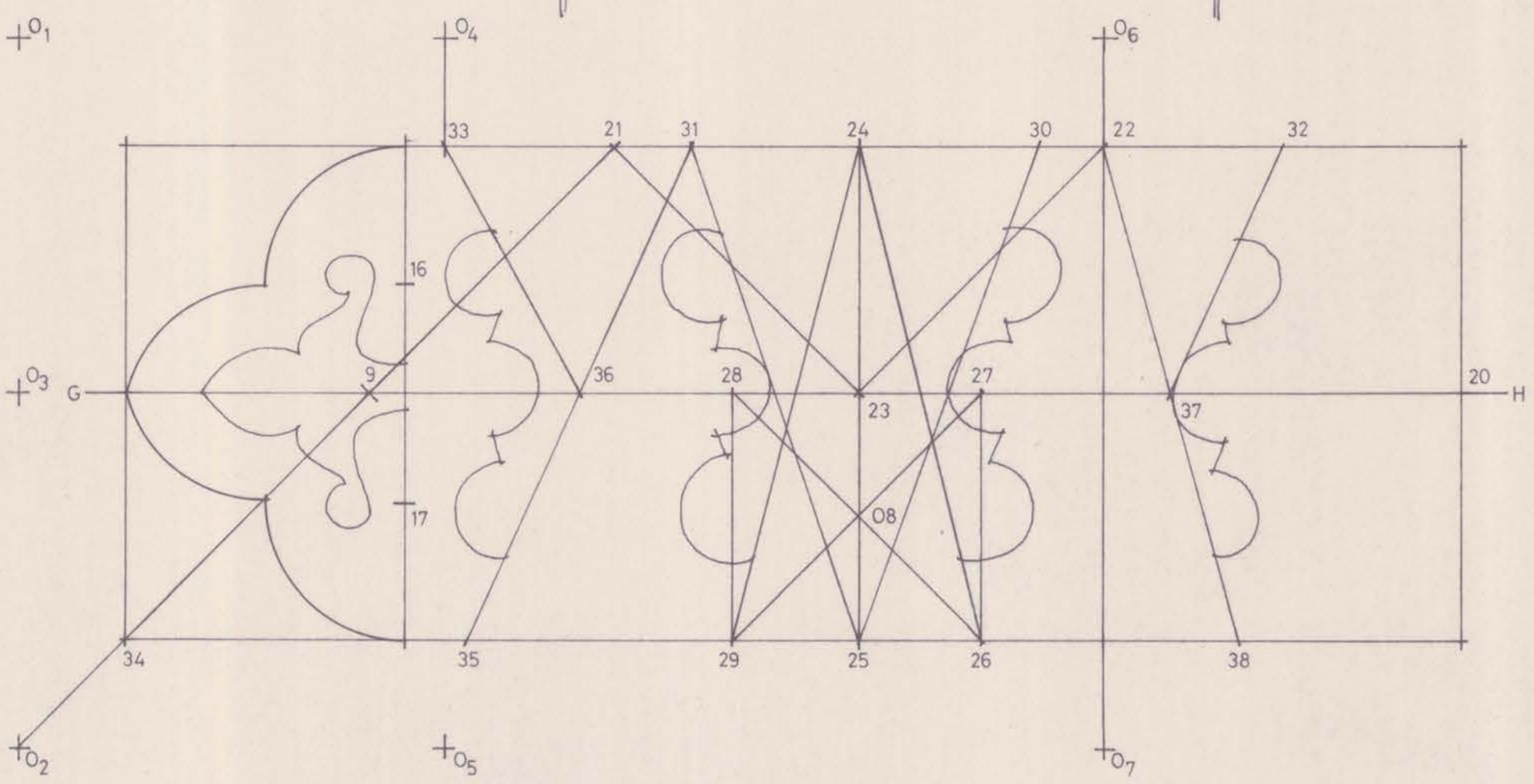
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M.Sc., R.I.B.A., A.R.I.A.S.
F.S.A. (SCOT.)

1/76

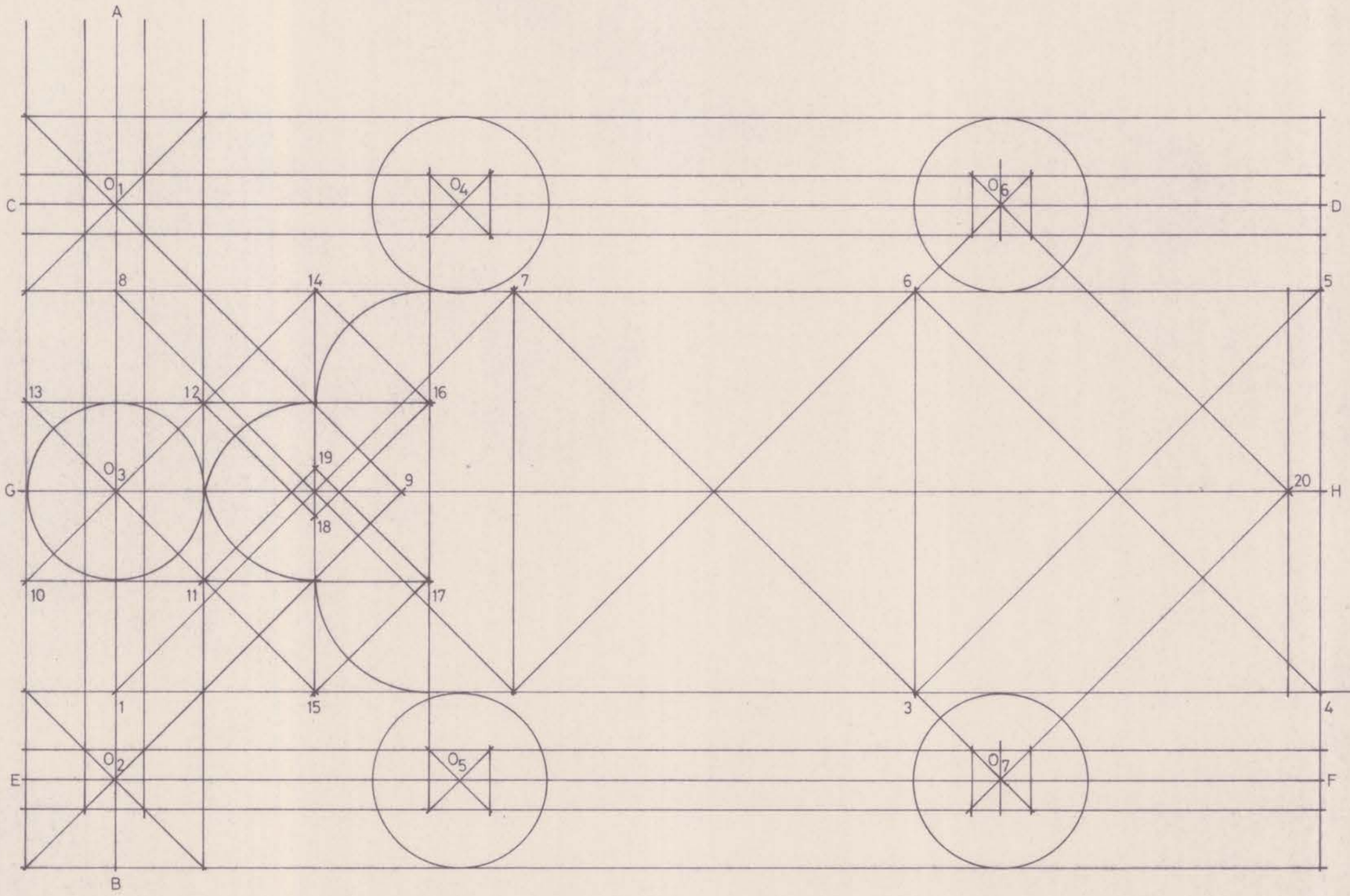
ELEVATION OF THE BENCH



GEOMETRY UNDERLYING THE JOGGLED AREA




GENERAL DIVISIONS OF THE BENCH



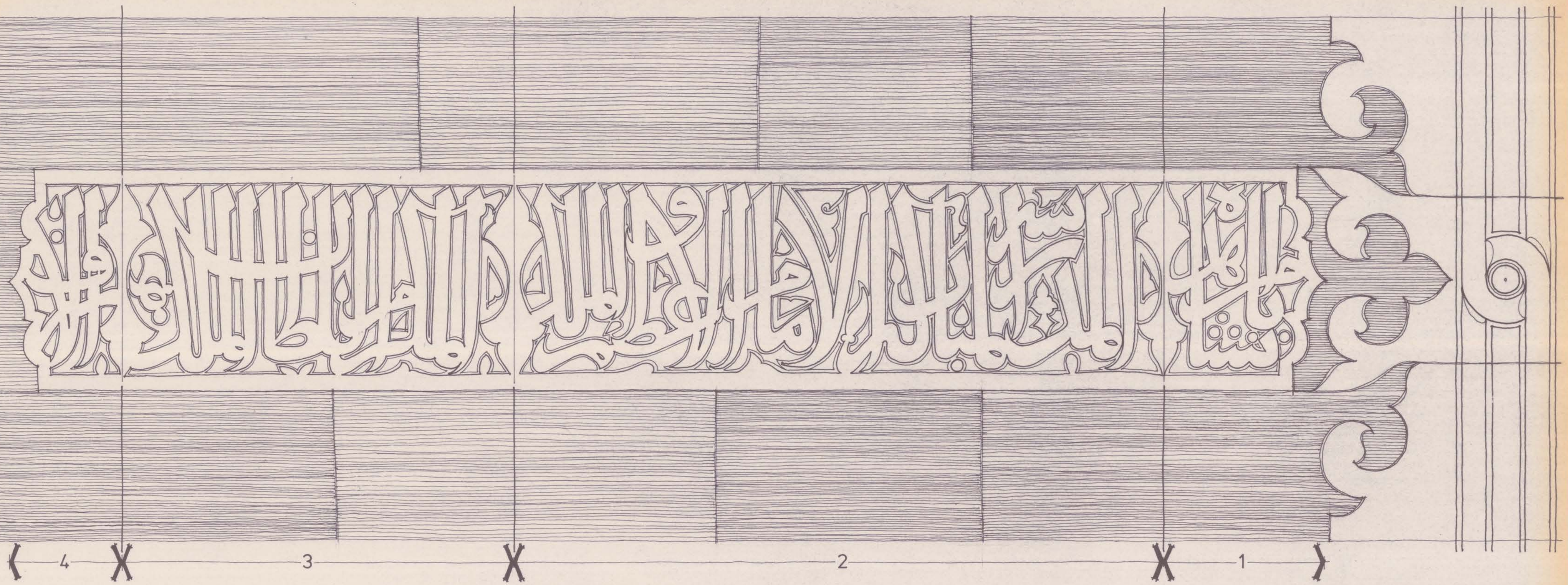

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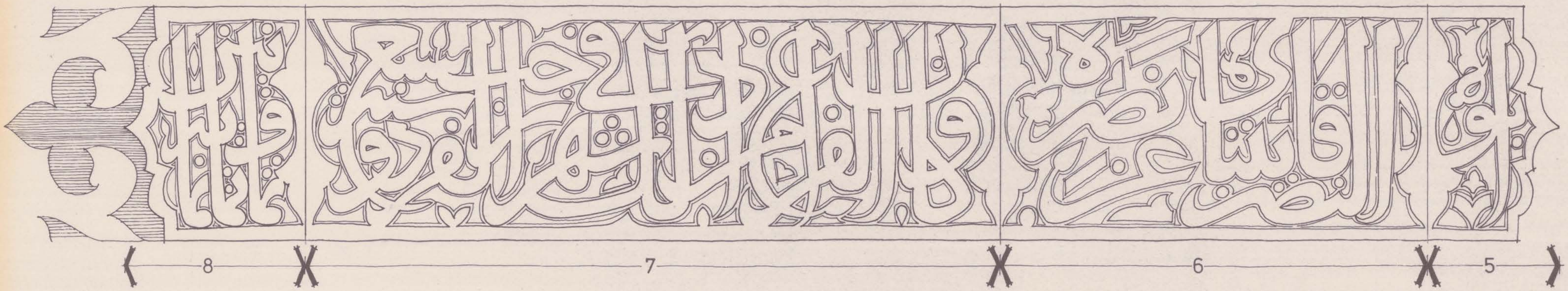
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
FRONT ELEVATION OF A BENCH BELONGING TO THE PORTAL.

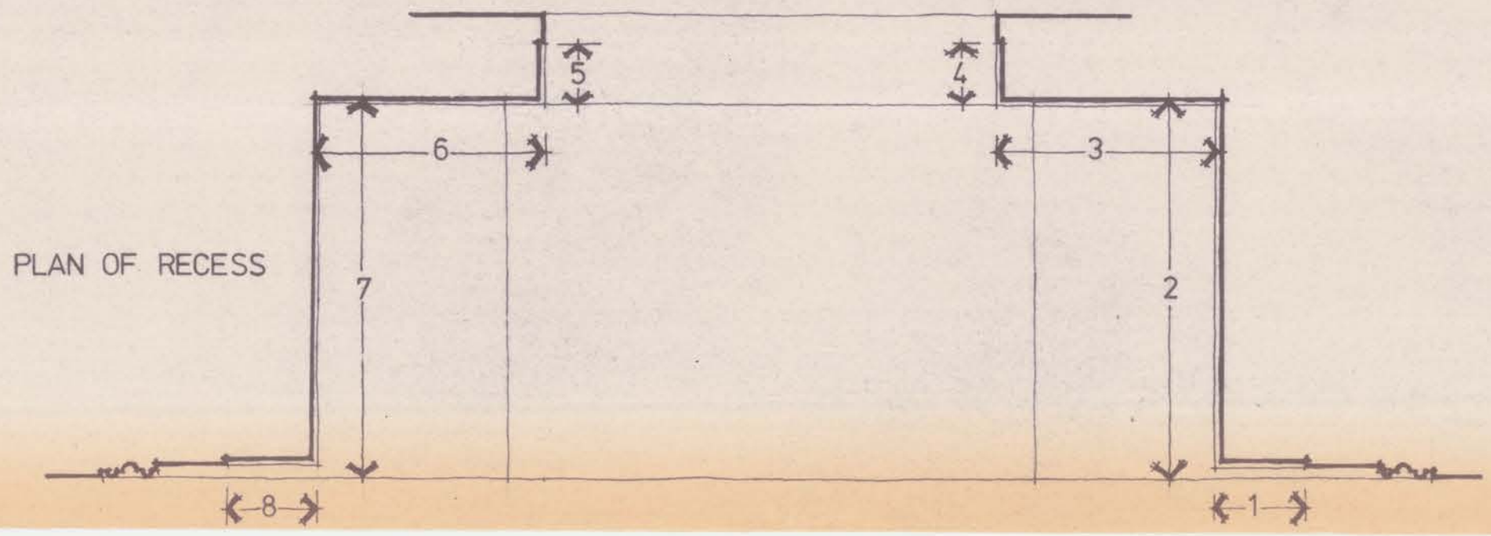
53

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'79



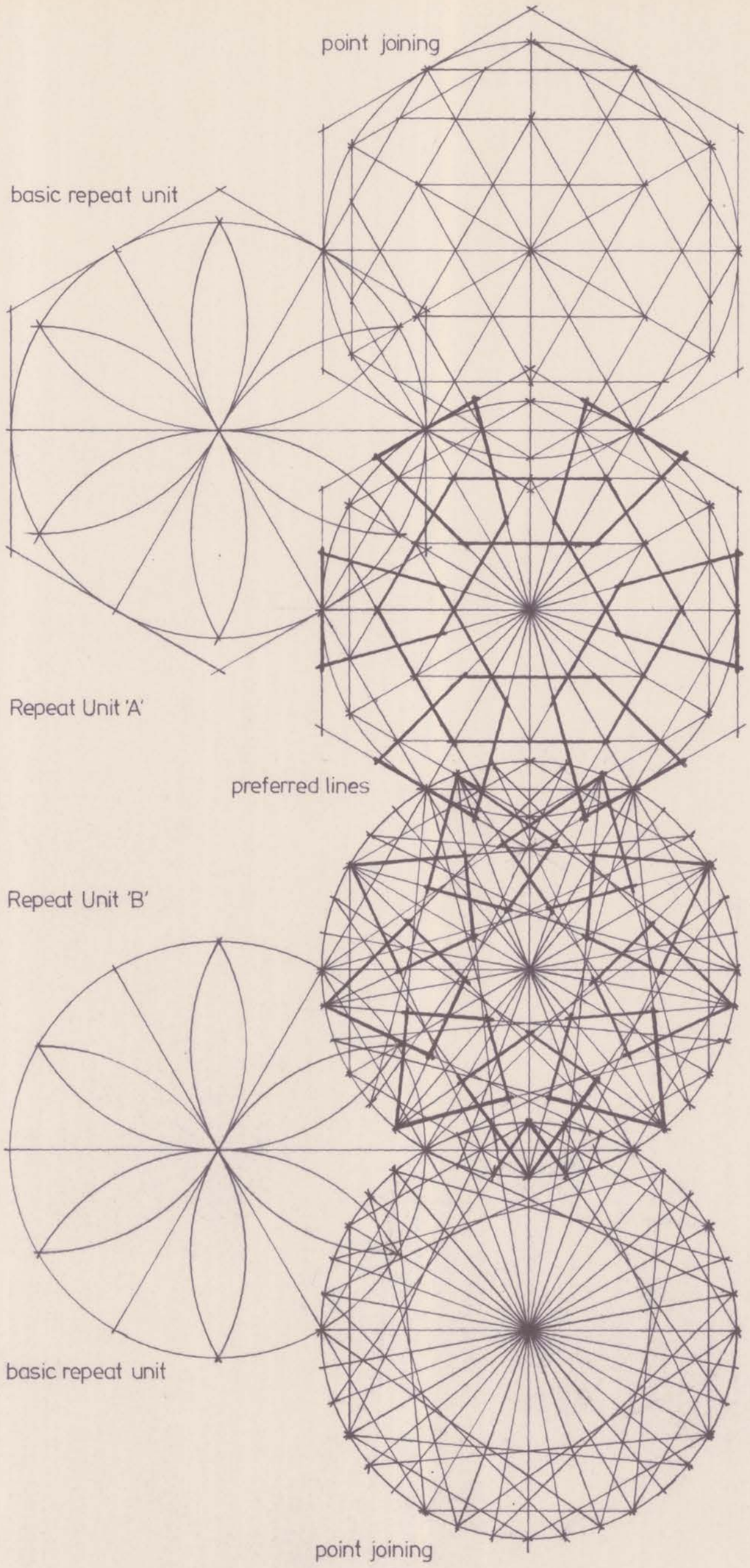



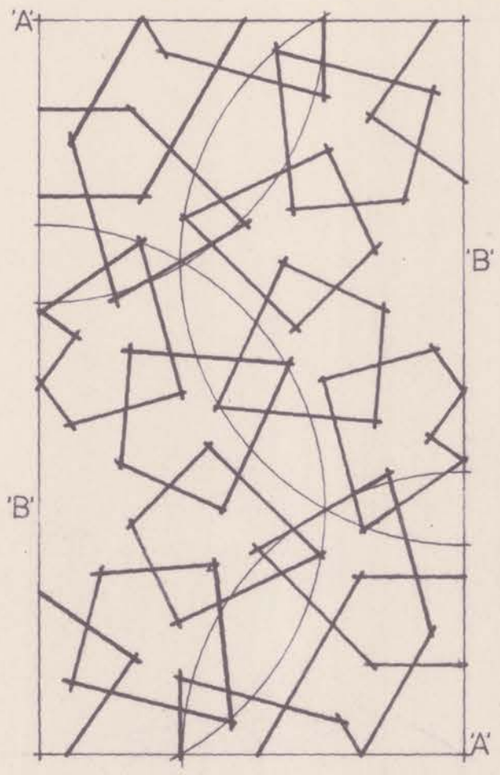



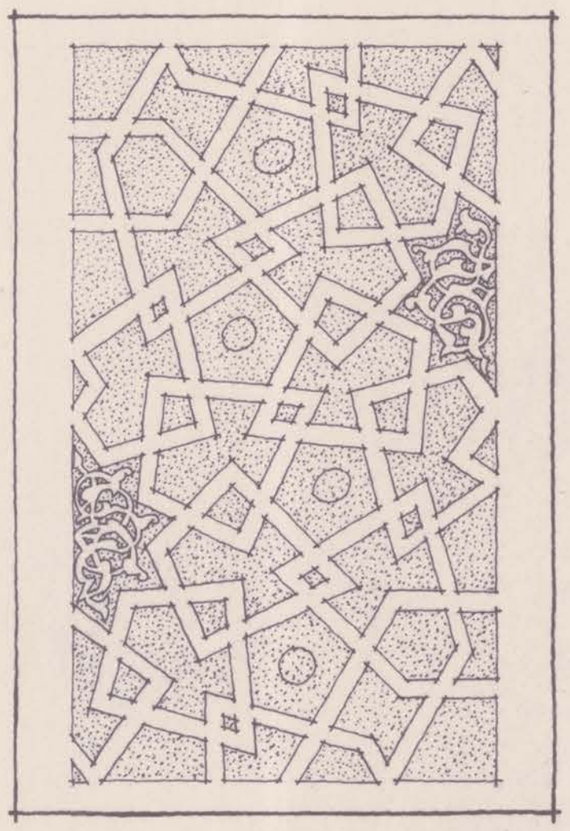

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
CONSTRUCTION TEXT WITHIN THE PORTAL'S RECESS.

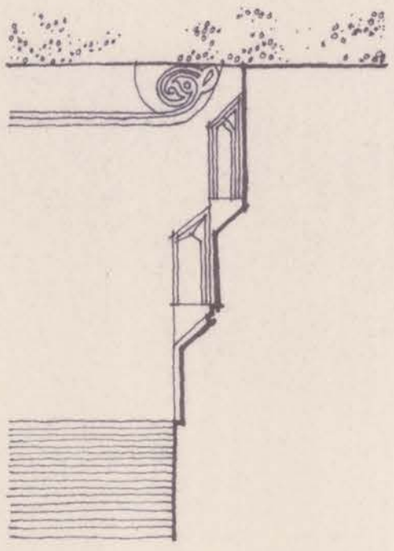
DRT. A. GEORGE WALLS. M.Sc., R.I.B.A., A.R.I.A.S., F.S.A. (SCOT.) 1·75.



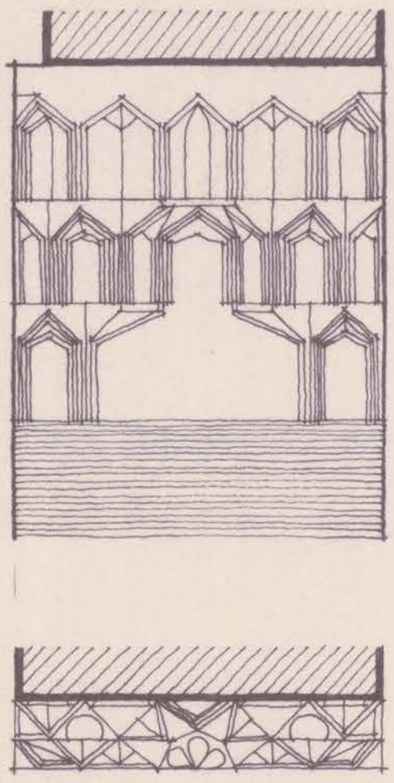



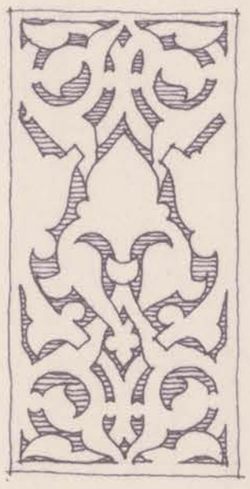




THE LEFT GEOMETRIC PANEL OF THE PAIR FLANKING THE JOGGLED DOOR LINTEL

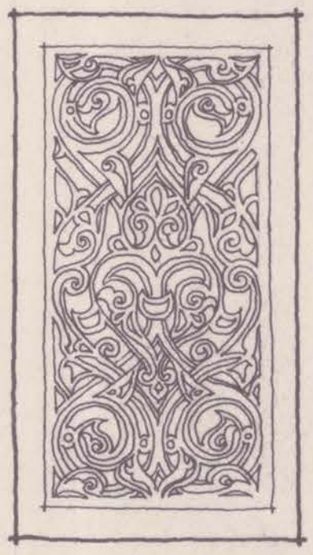


MUQARNAS BRACKET TO DOOR JAMB





vegetal forms in outline



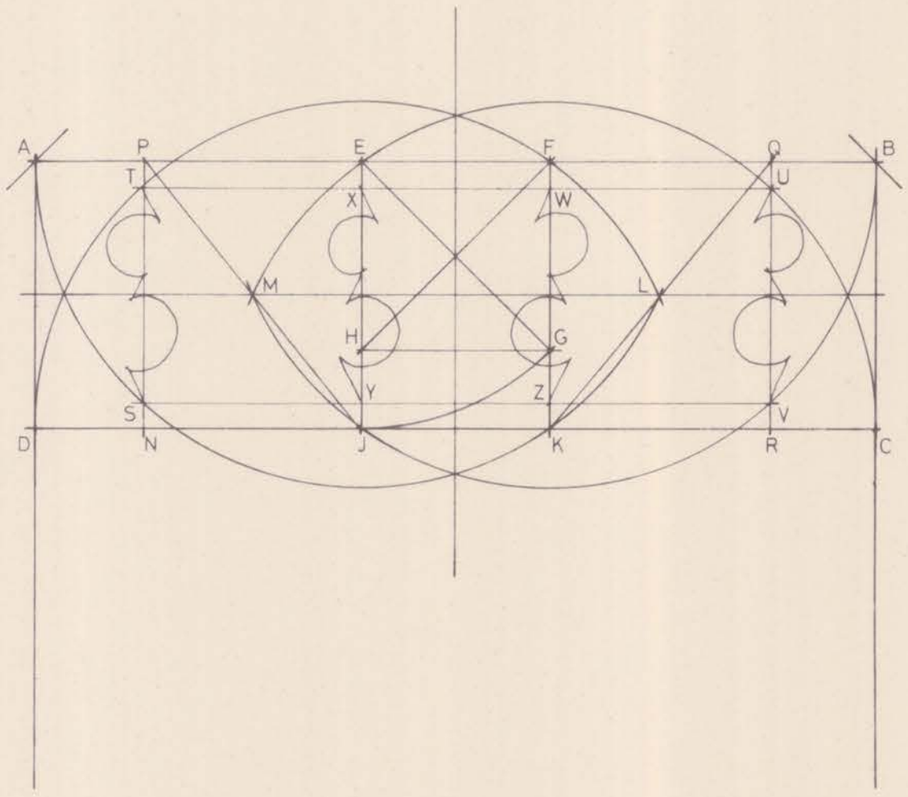
THE LEFT PANEL OF THE PAIR FLANKING THE MONOLITHIC DOOR LINTEL

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
MISCELLANEOUS DETAILS OF THE PORTAL.

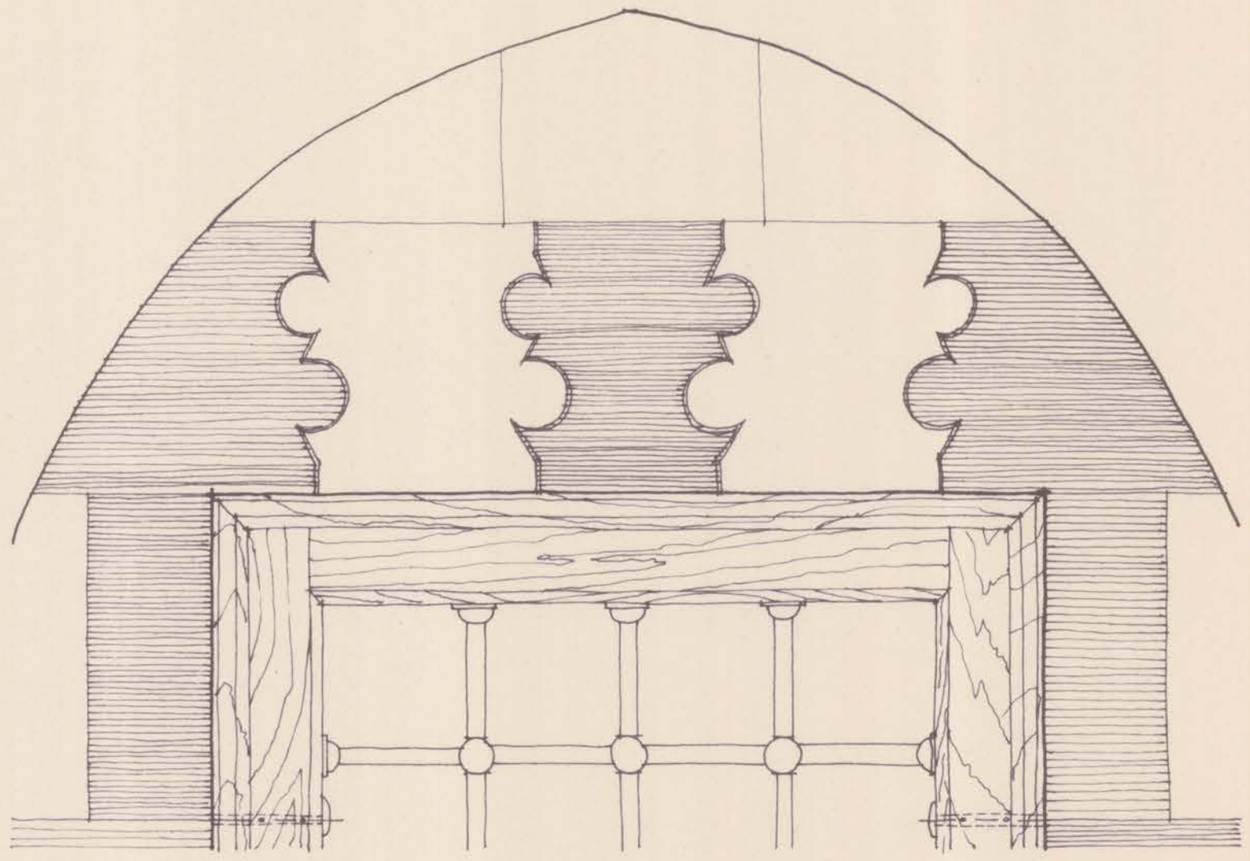
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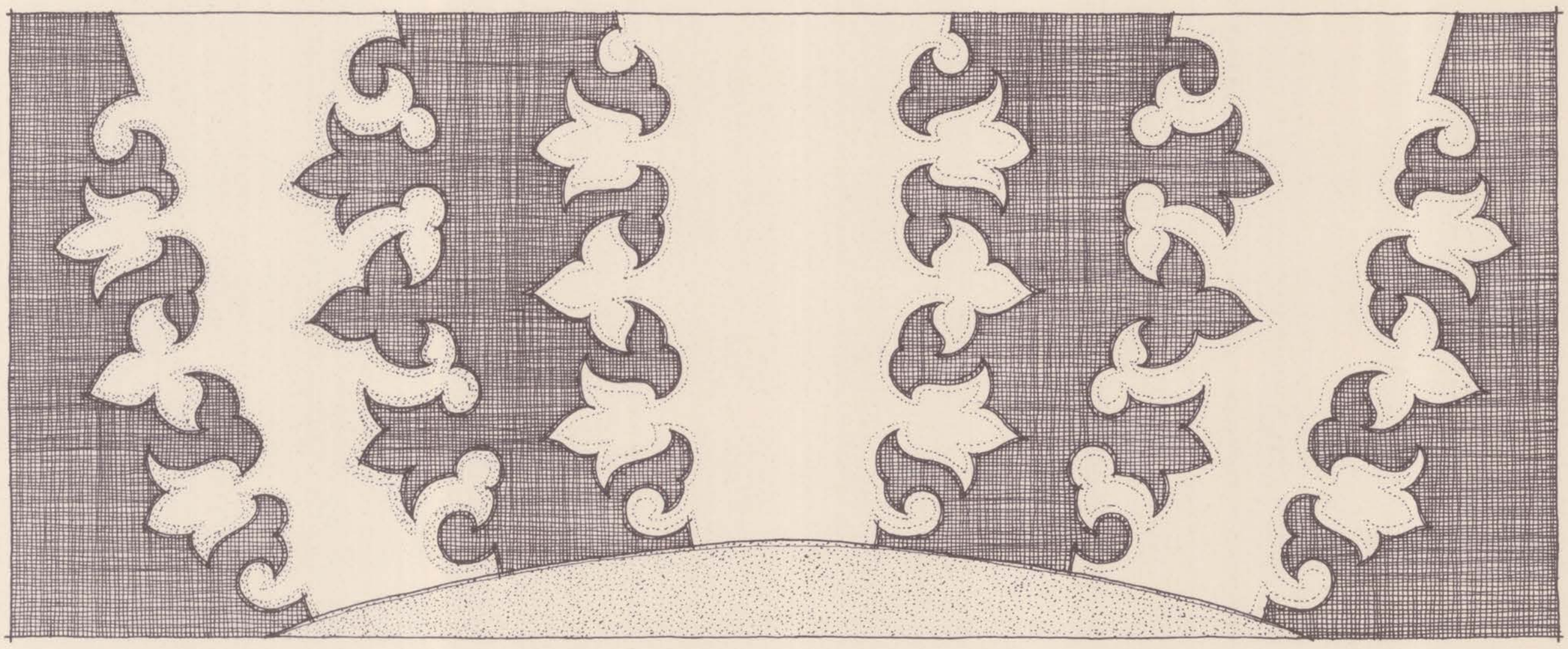
DRCT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A. (SCOT). 1·79.




geometry of the joggling

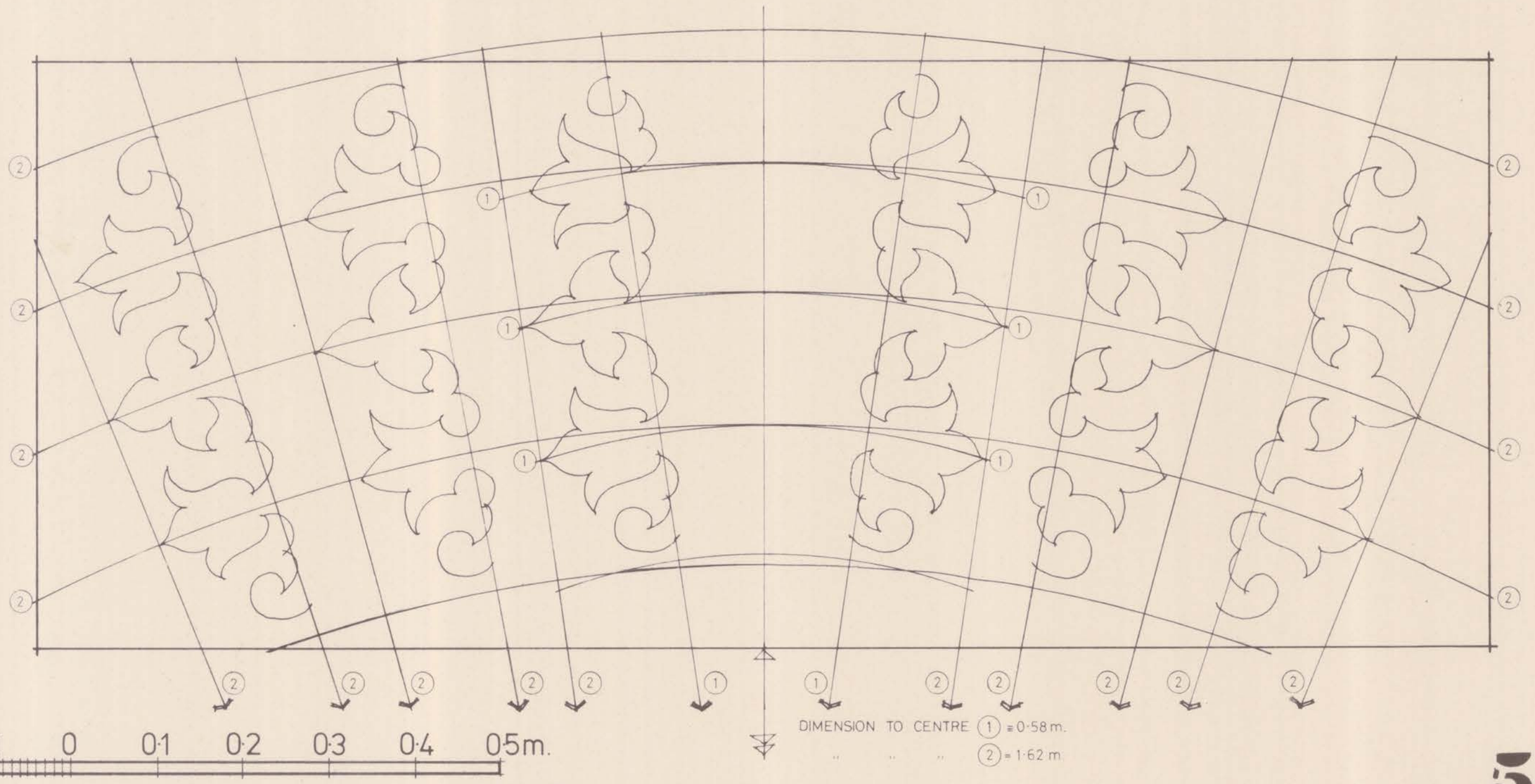
JOGGLED WINDOW LINTEL





JOGGLED DOOR LINTEL

BLACK PAINT

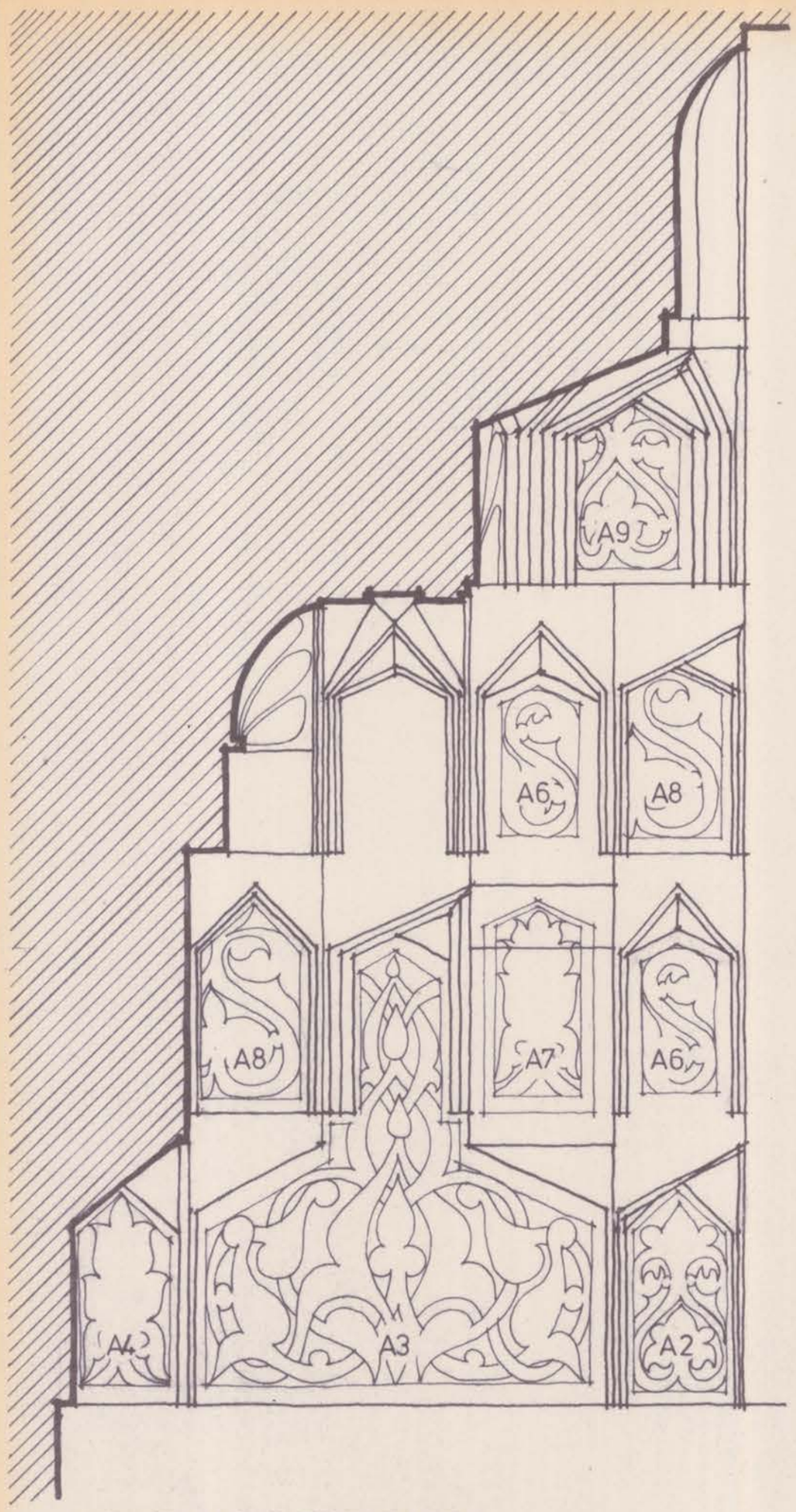



MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
JOGGLED LINTELS TO THE DOOR AND WINDOW OPENINGS IN PORTAL.

56

DELT. A. GEORGE WALLS, M.Sc., ARIBA, AR/AS, F.S.A. (SCOT.)

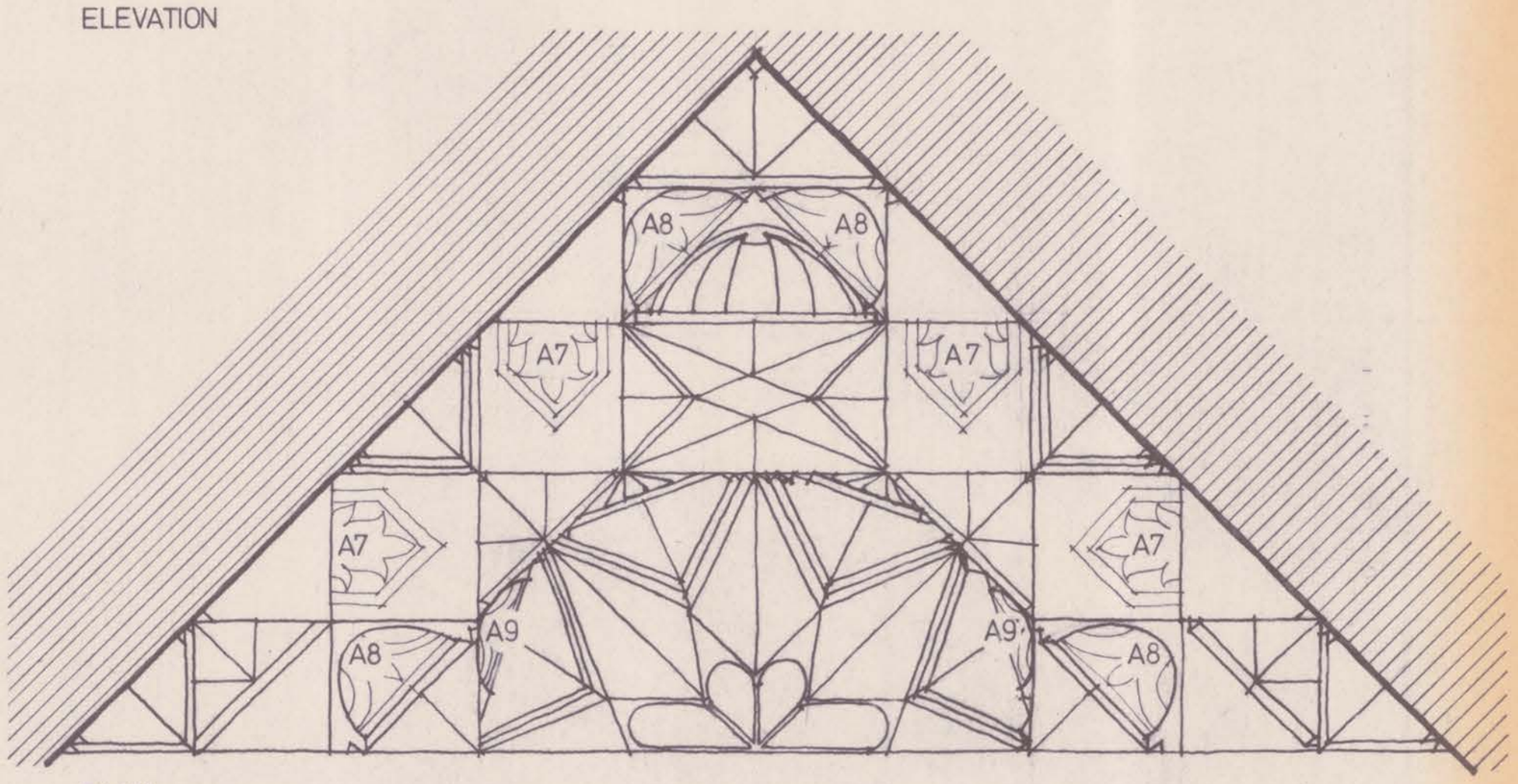
1:79



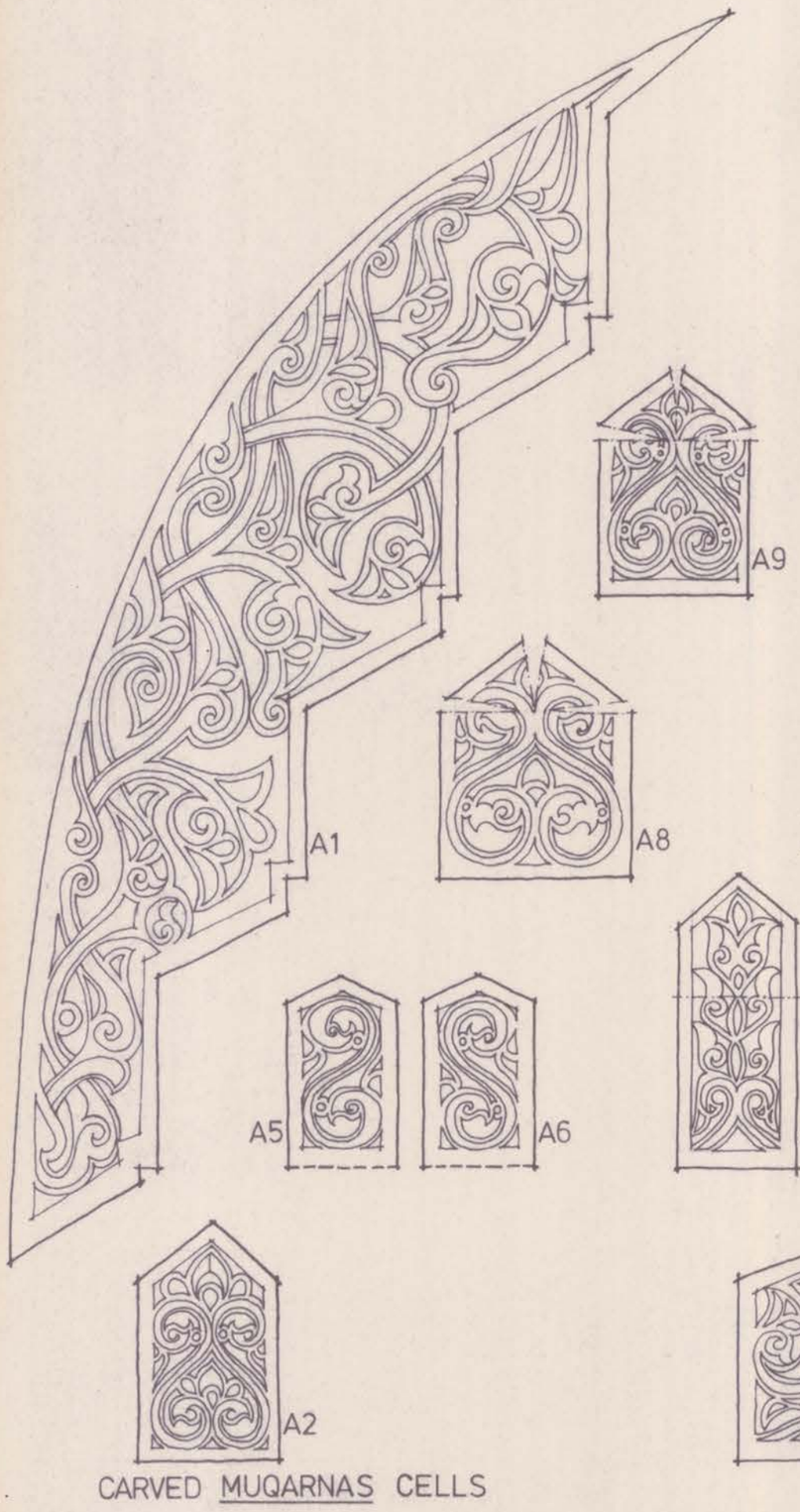

SECTION ALONG CENTRE LINE



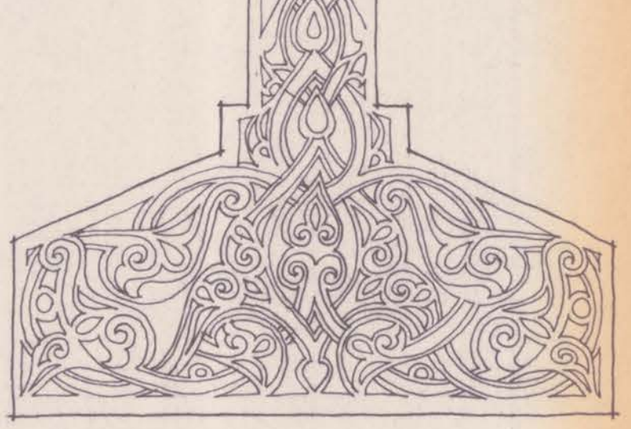

ELEVATION




PLAN




CARVED MUQARNAS CELLS



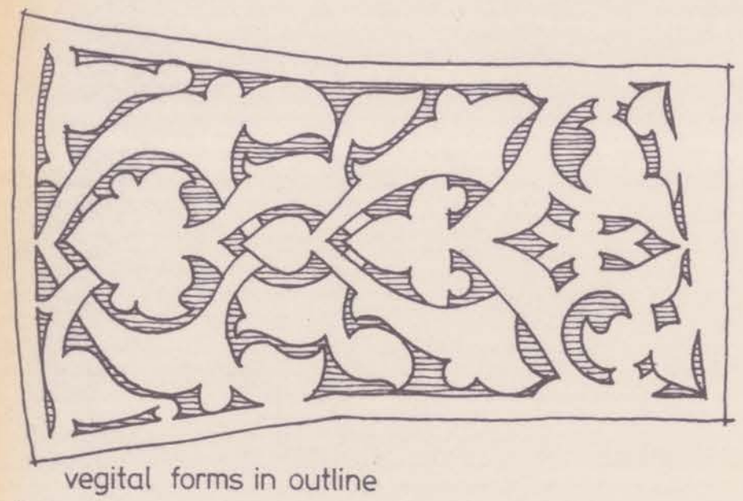
Alternative to A3

0·1 0 0·1 0·2 0·3 0·4 0·5m.

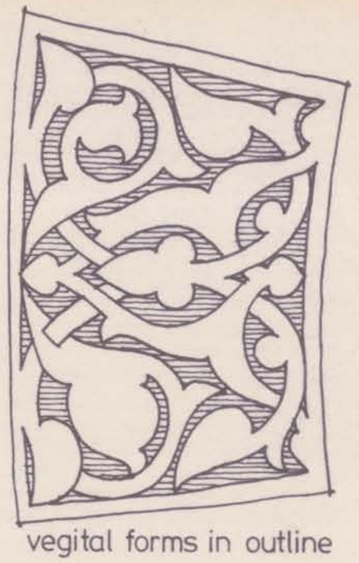
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
RECTILINEAR MUQARNAS IN PORTAL RECESS.

57

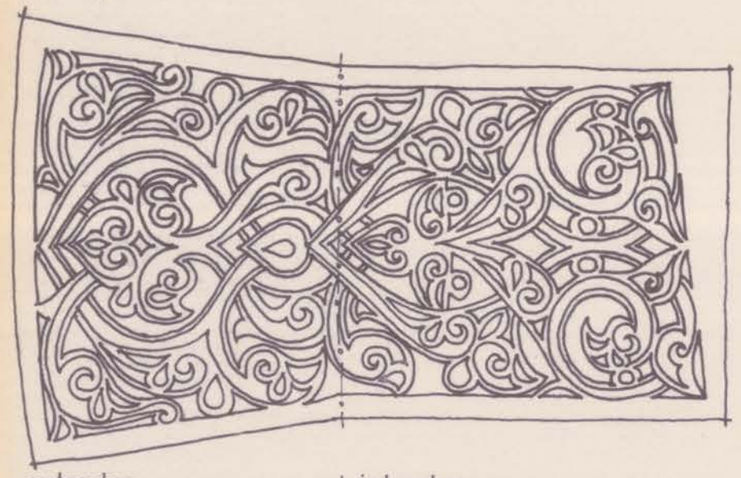
DELT. A. GEORGE WALLS, M.Sc, ARIBA, ARIAS, F.S.A. (Scot.) 1:79



vegital forms in outline



vegital forms in outline



extrados intrados

VOUSSOIR 2



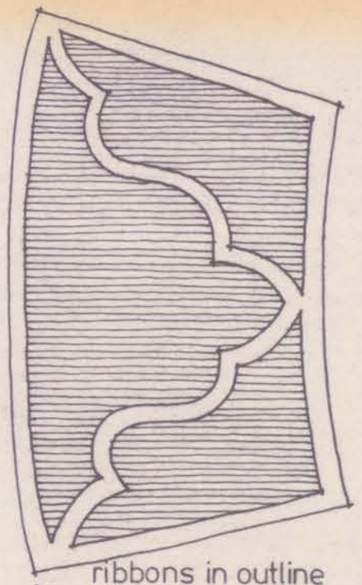
extrados

VOUSSOIR 4

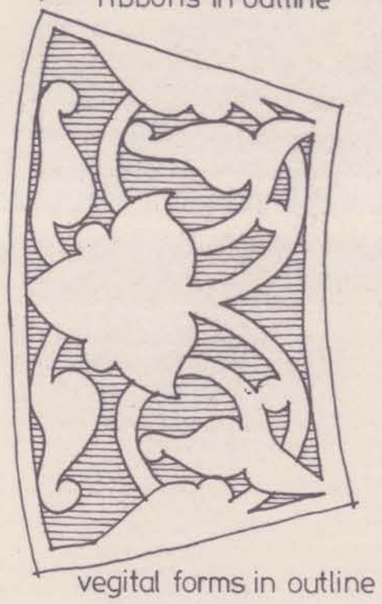


extrados

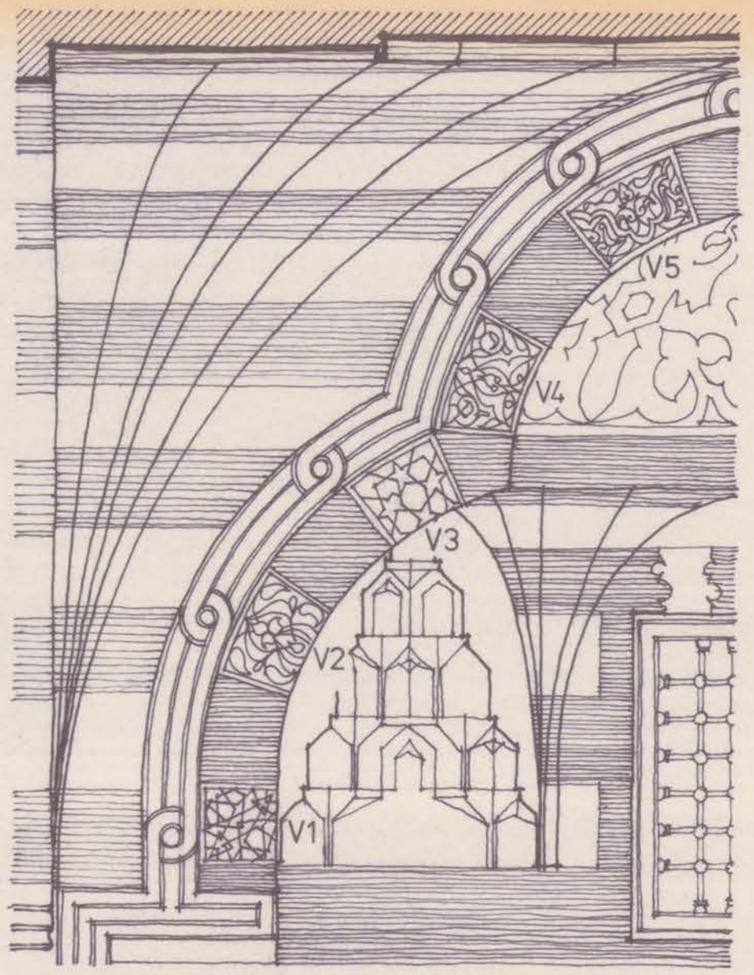
VOUSSOIR 5



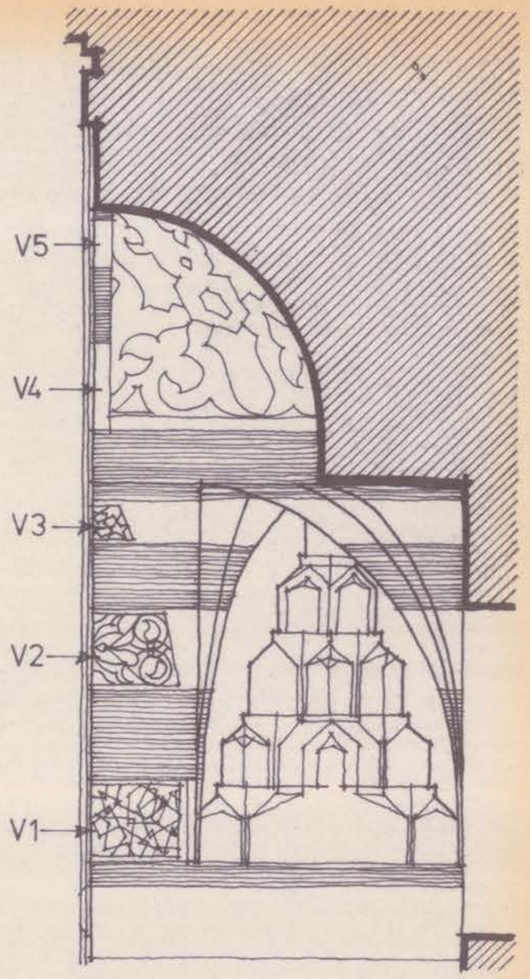
ribbons in outline



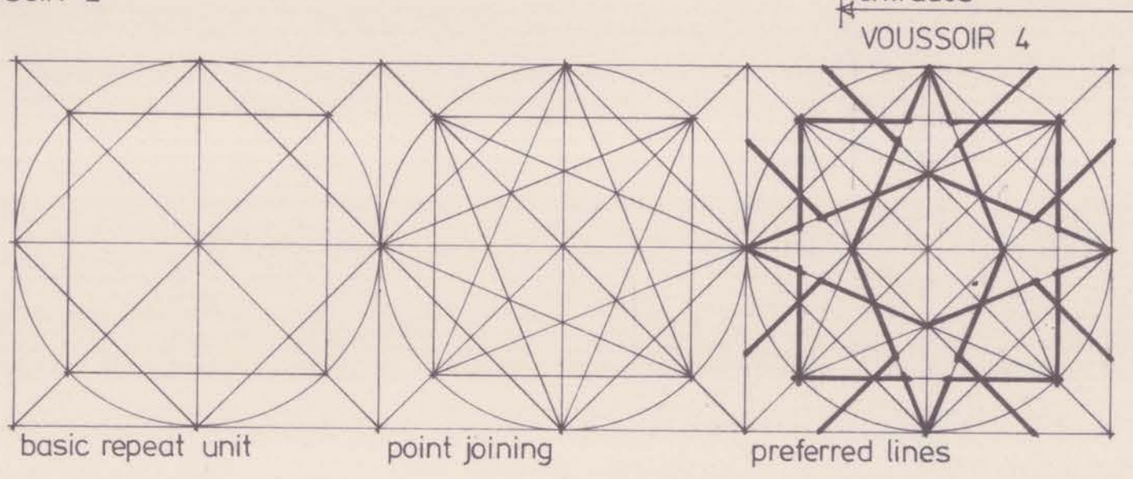
vegital forms in outline



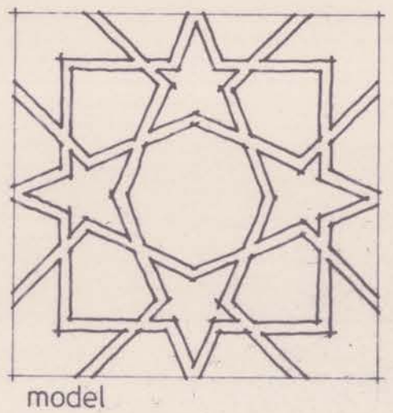

HALF ELEVATION OF TREFOILATED ARCH



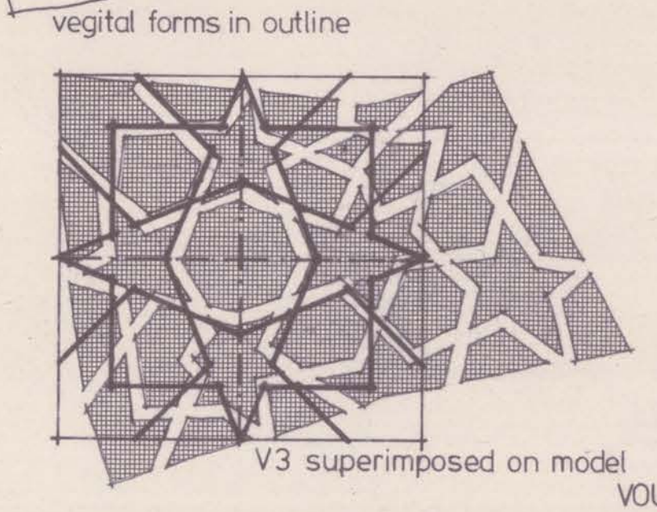

SECTION



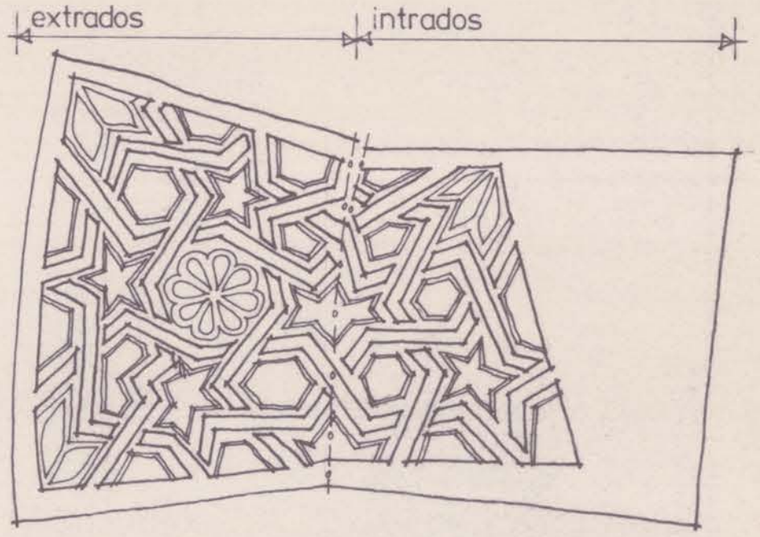
basic repeat unit point joining preferred lines



model

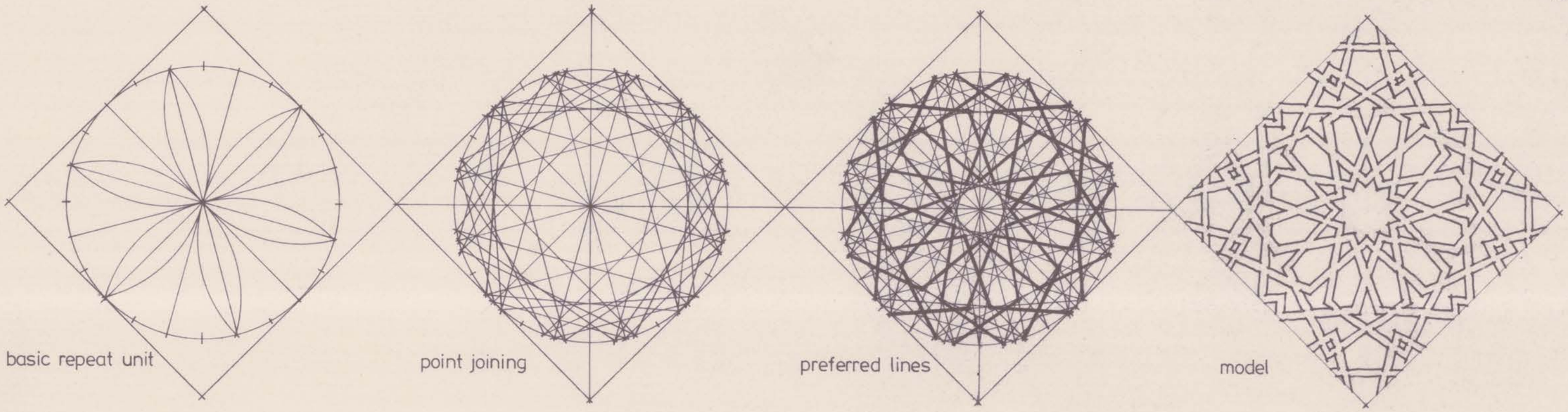


V3 superimposed on model

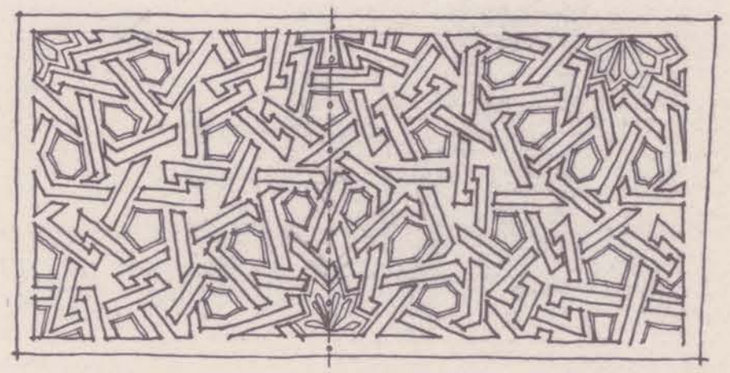


extrados intrados

VOUSSOIR 3



basic repeat unit point joining preferred lines model



extrados intrados

VOUSSOIR 1

0·1 0 0·1 0·2 0·3 0·4 0·5m.

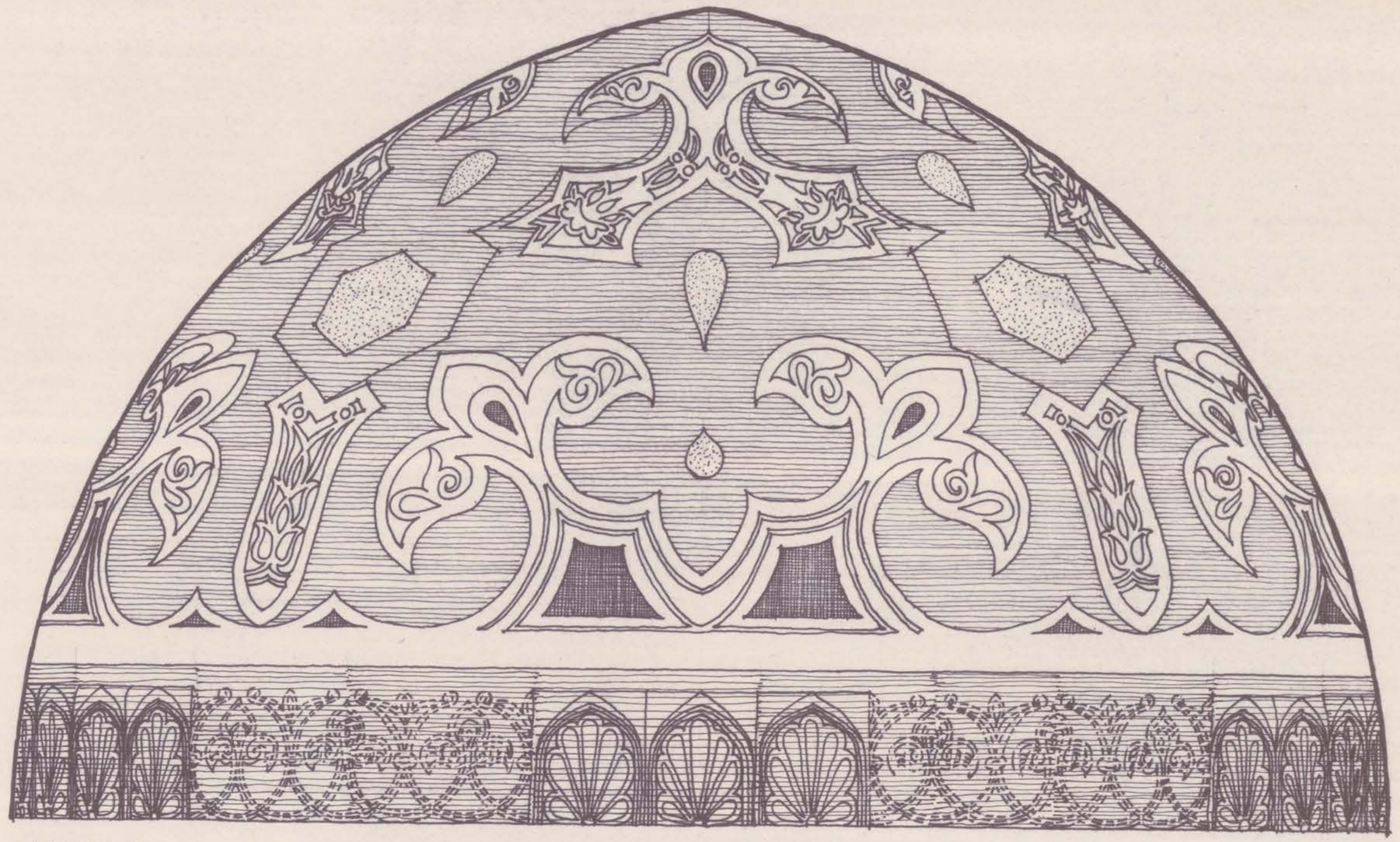
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED VOUSSOIRS OF PORTAL'S TREFOILATED ARCH.

DRLT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A (Scot).

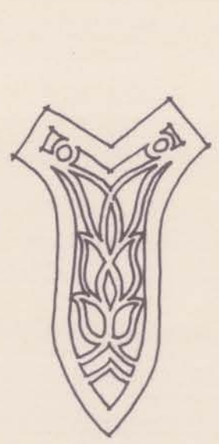
'79

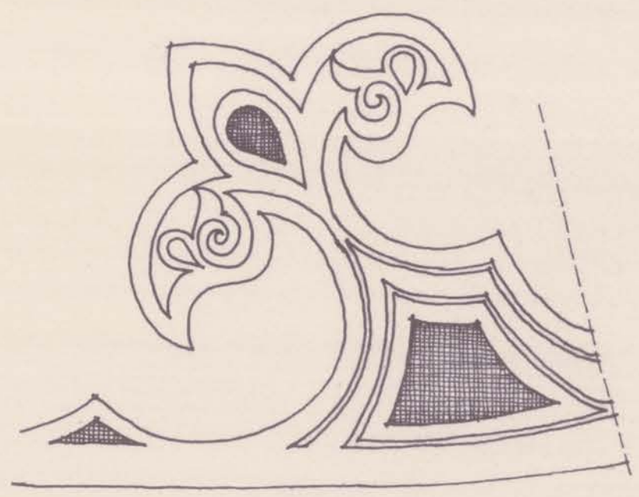


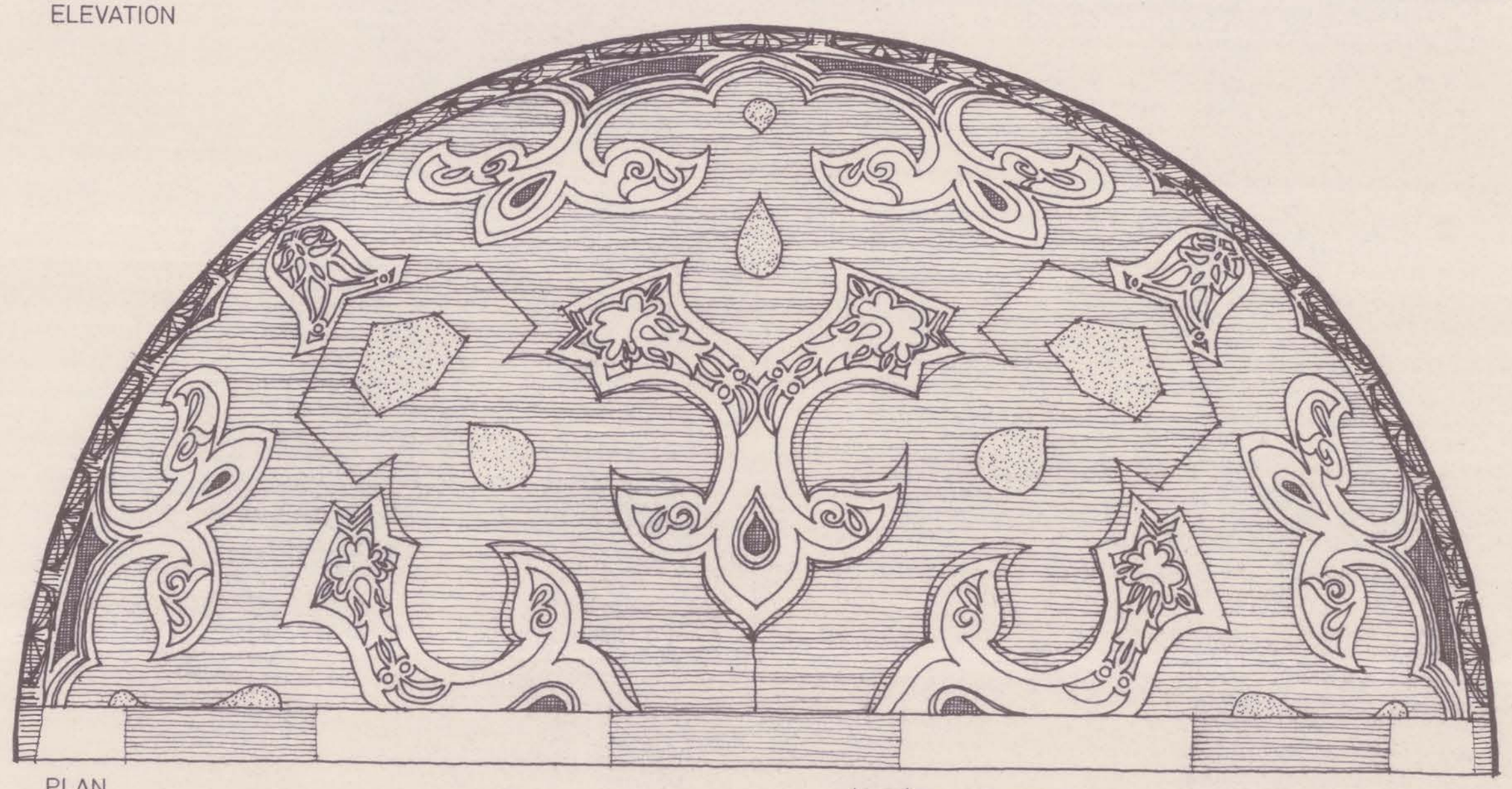
DETAILS OF THE CARVED JOGGLED STONES



ELEVATION







PLAN

AQUAMARINE GLASS PASTE
BLACK GLASS PASTE

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
JOGGLED DECORATION IN THE SEMI-DOME OF THE TREFOILATED ARCH.

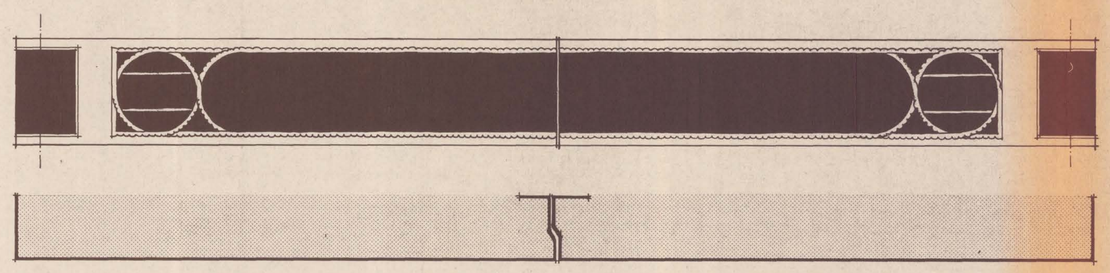
DELT. A. GEORGE WALLIS. M.SC., ARIBA, ARIAS. '78.



RIGHT HAND BAND (DETAIL)



LEFT HAND BAND (DETAIL)



PLAN AND ELEVATION OF BANDS

0·1 0 0·1 0·2 0·3 0·4 0·5m.

0·1 0 0·1 0·2 0·3m.



LEFT HAND PANEL



RIGHT HAND PANEL

# MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM. BRASS REVETMENTS FROM THE TIMBER DOORS.



DELT. A. GEORGE WALLS. M.Sc., R.I.B.A., A.R.I.A.S. '74

CENTRAL INSCRIBED AREA

SHIELD

RIGHT HAND PANEL

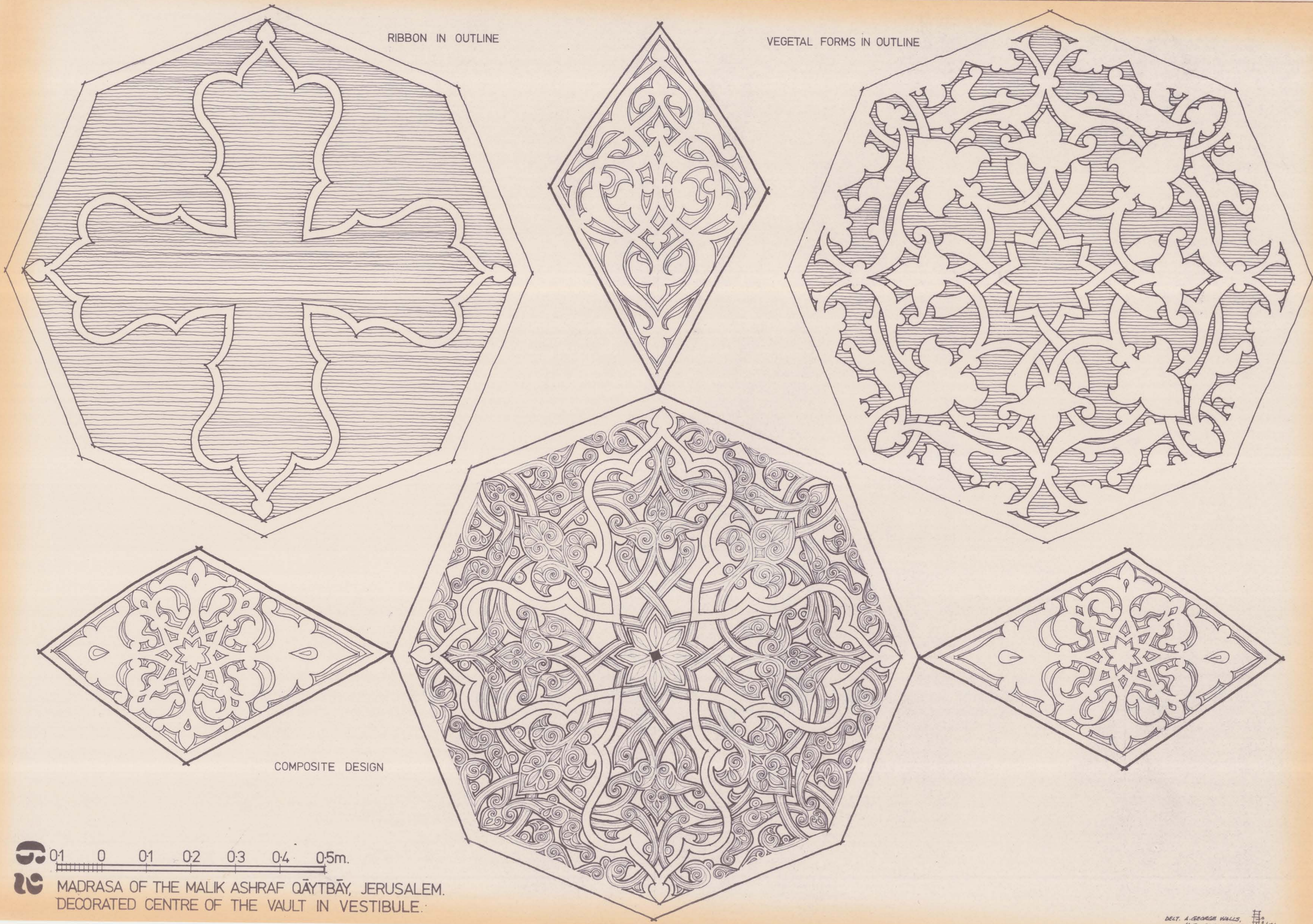
0 0·05 0·1m.

**19** MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
GEOMETRY UNDERLYING THE BRASS REVETMENTS.

DEPT. A. GEORGE WALLS
M.Sc., A.R.I.B.A., A.R.I.A.S.

RIBBON IN OUTLINE

VEGETAL FORMS IN OUTLINE



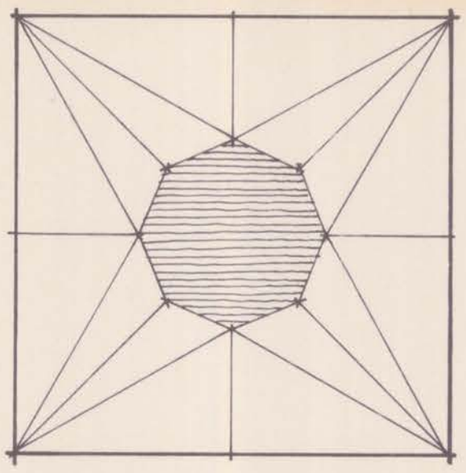
COMPOSITE DESIGN

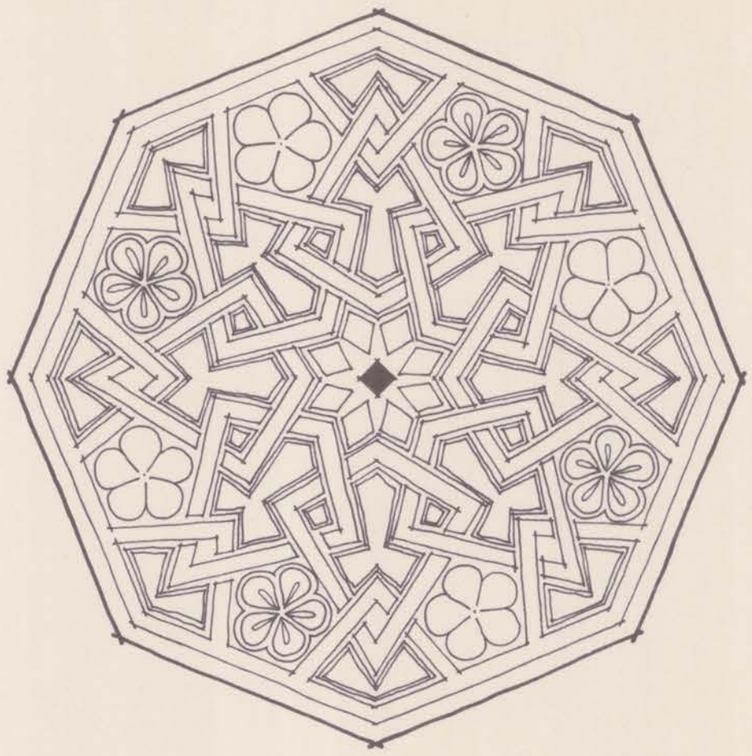
0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED CENTRE OF THE VAULT IN VESTIBULE.

DELT. A. GEORGE WALLS, M.Sc., R.I.B.A., M.R.I.A.S. '76

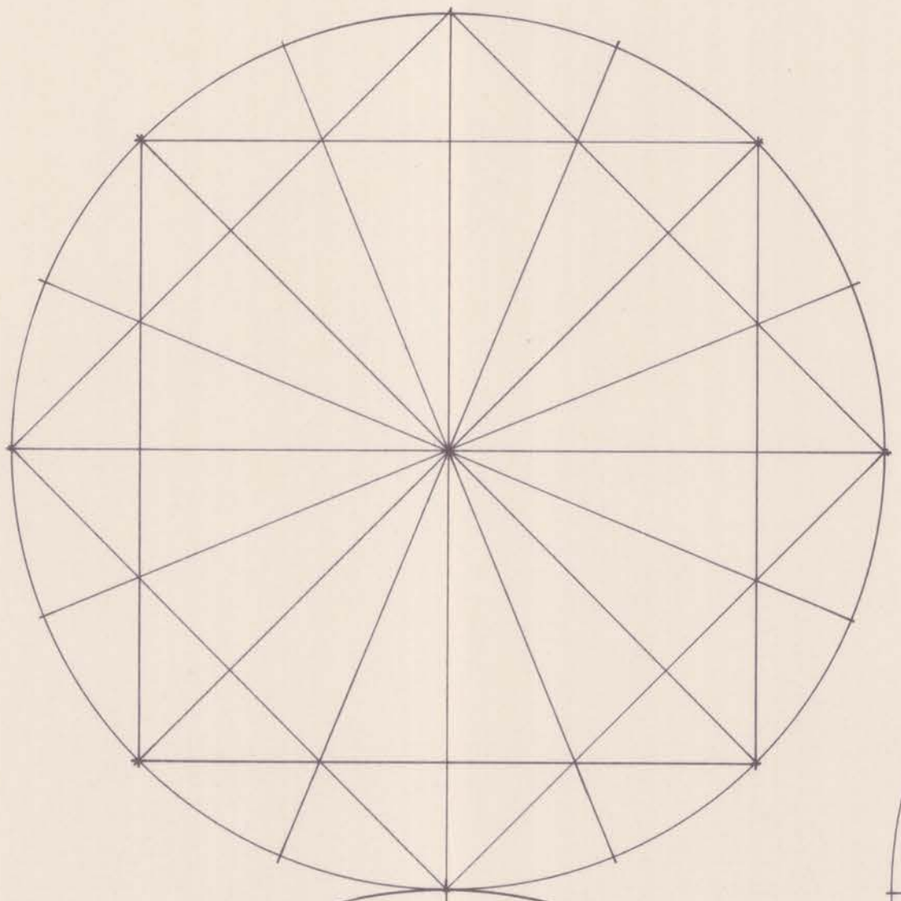
plan of vaults

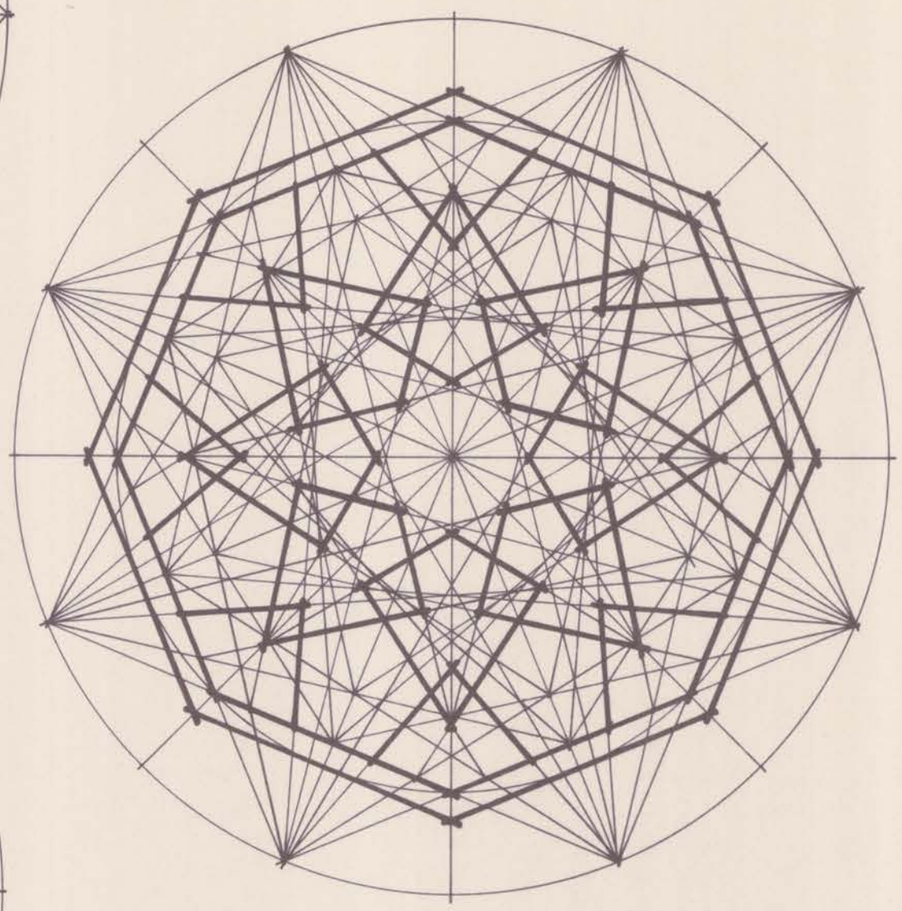




LANDING 4

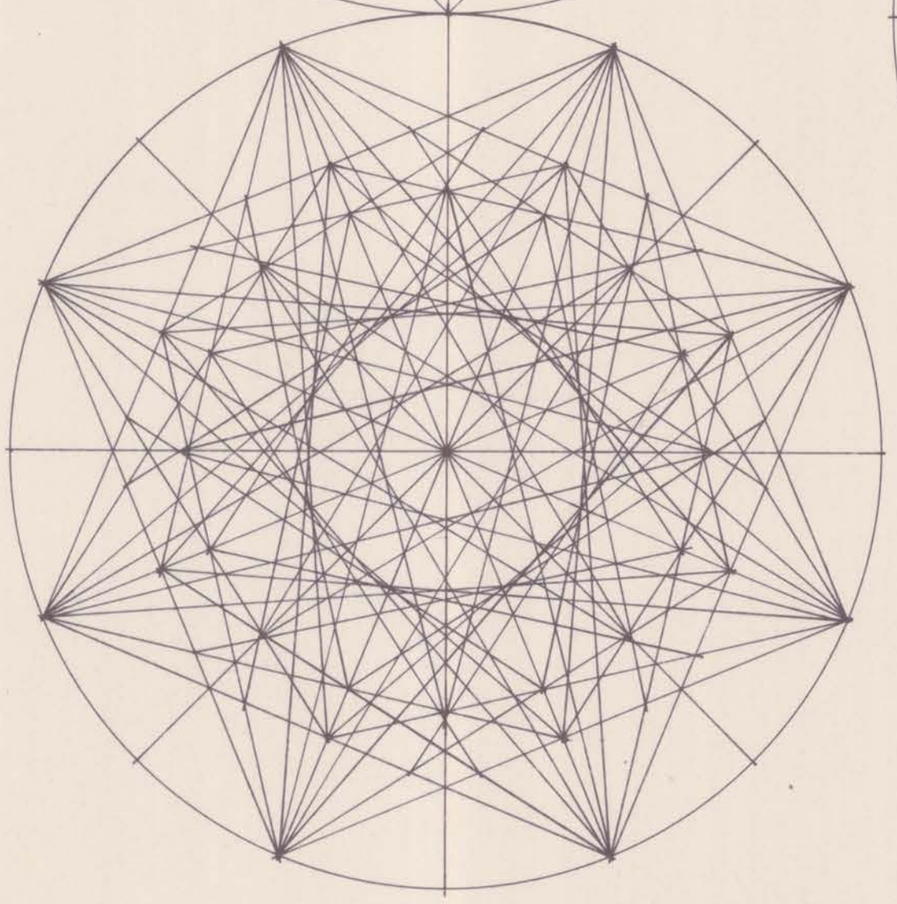
basic repeat unit

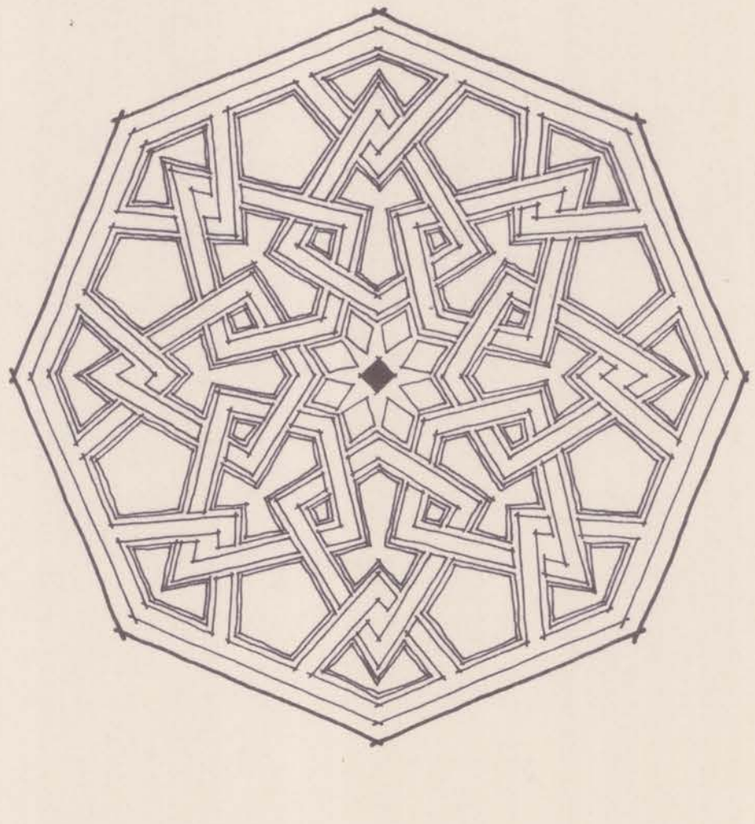




preferred lines

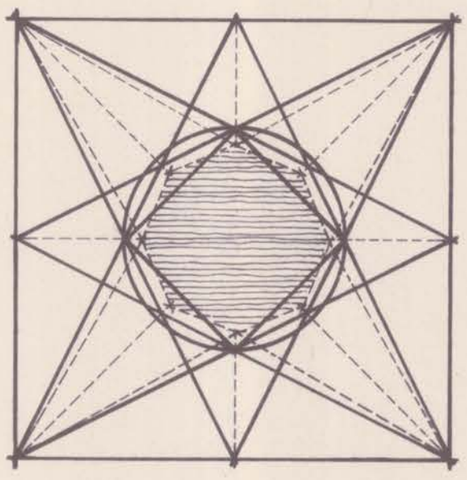
point joining





LANDING 0

relationship of vaults
to basic repeat unit

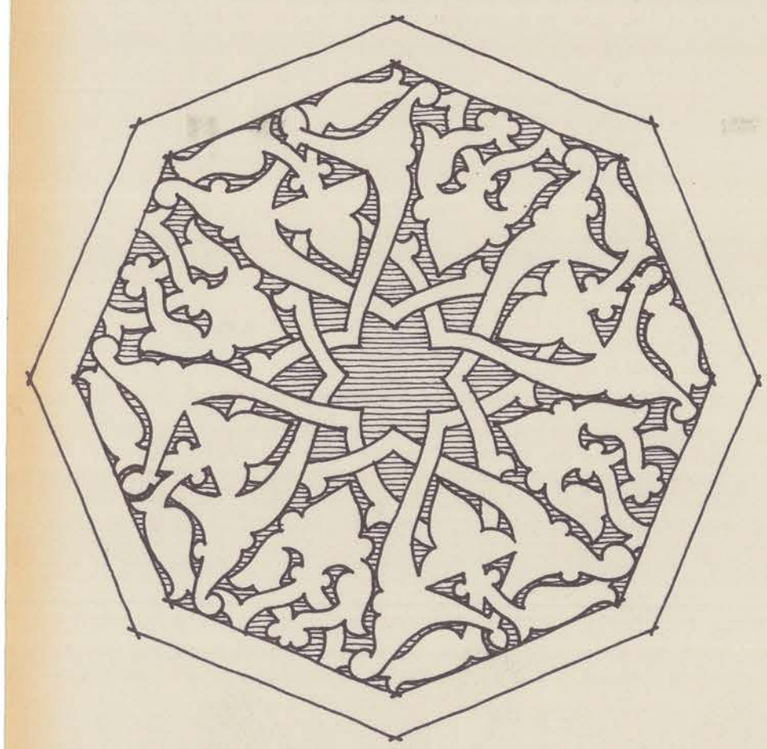


0·1 0 0·1 0·2 0·3 0·4 0·5m.

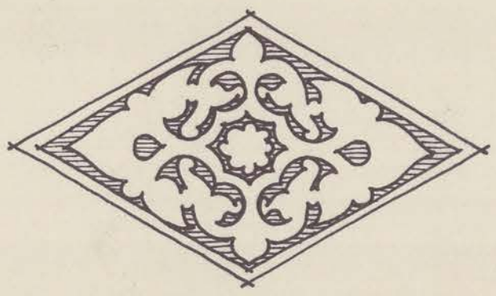
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED CENTRE OF THE VAULTS OVER LANDINGS 0 AND 4.

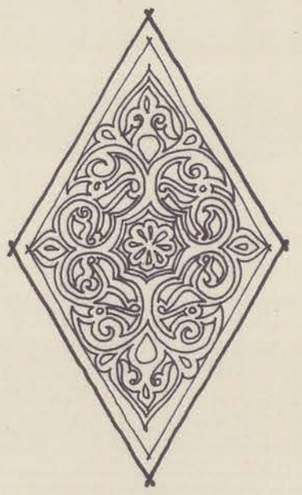
63

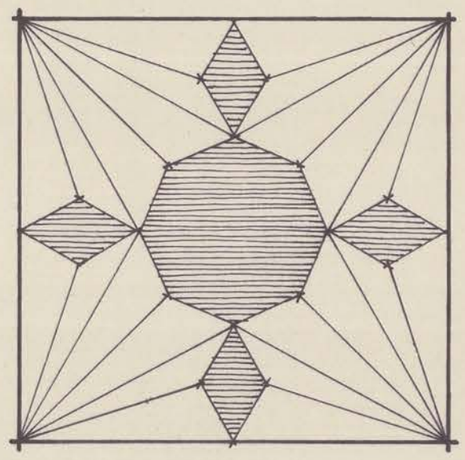
DELT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, F.S.A (Scot.) 1979.



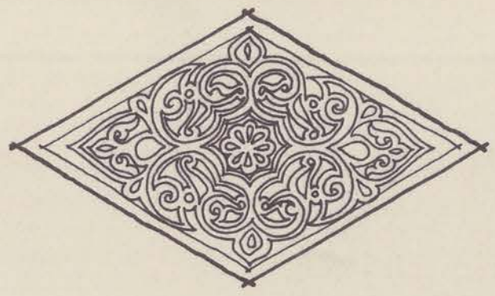
vegital forms in outline

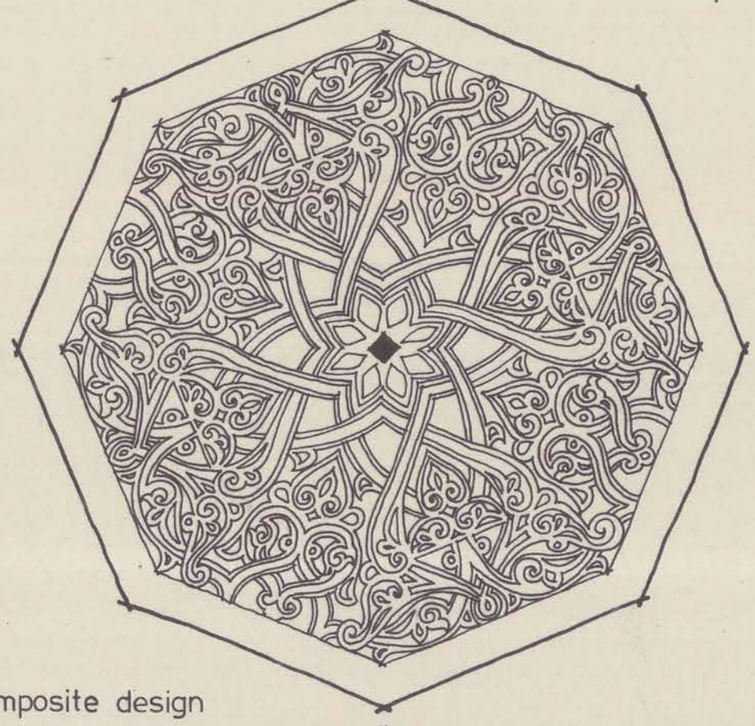




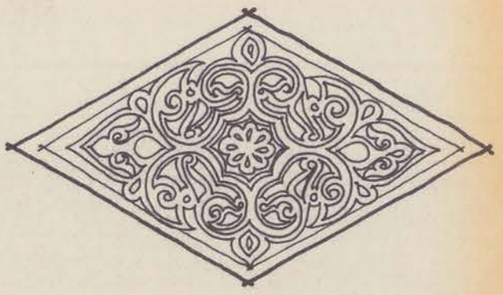


plan of vault over landing 6

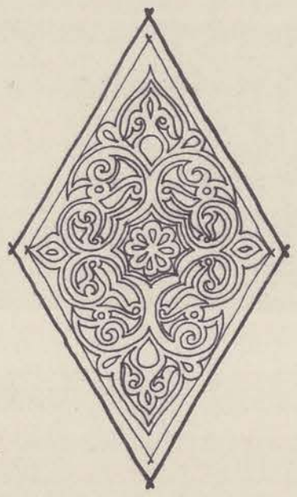


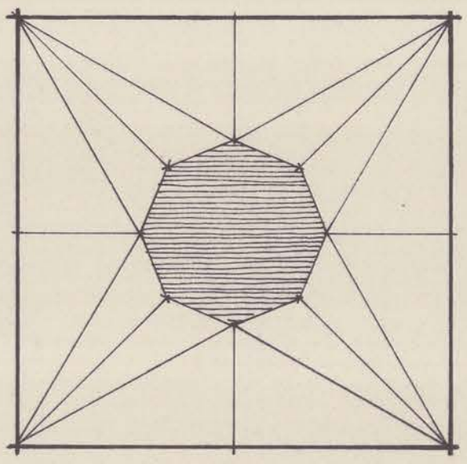


composite design

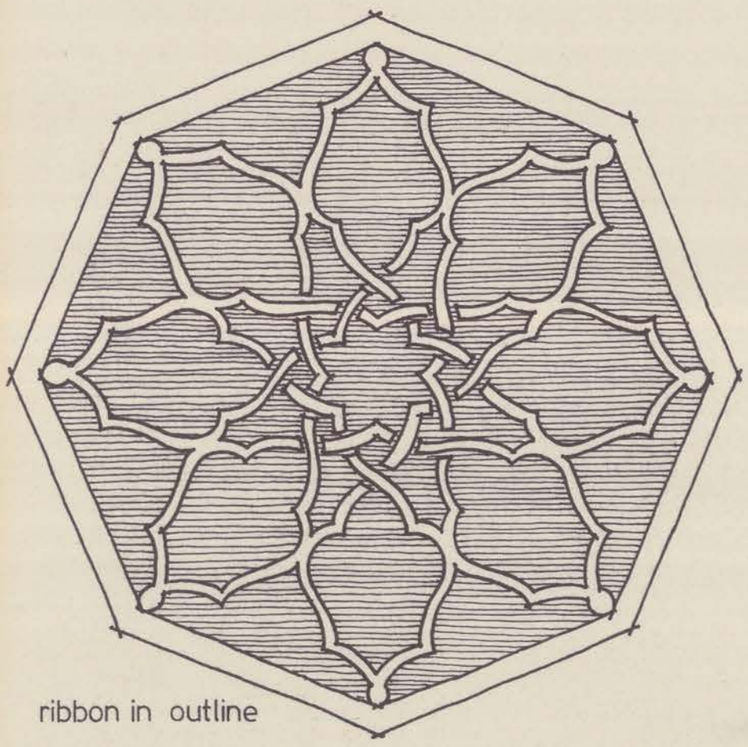


LANDING 6

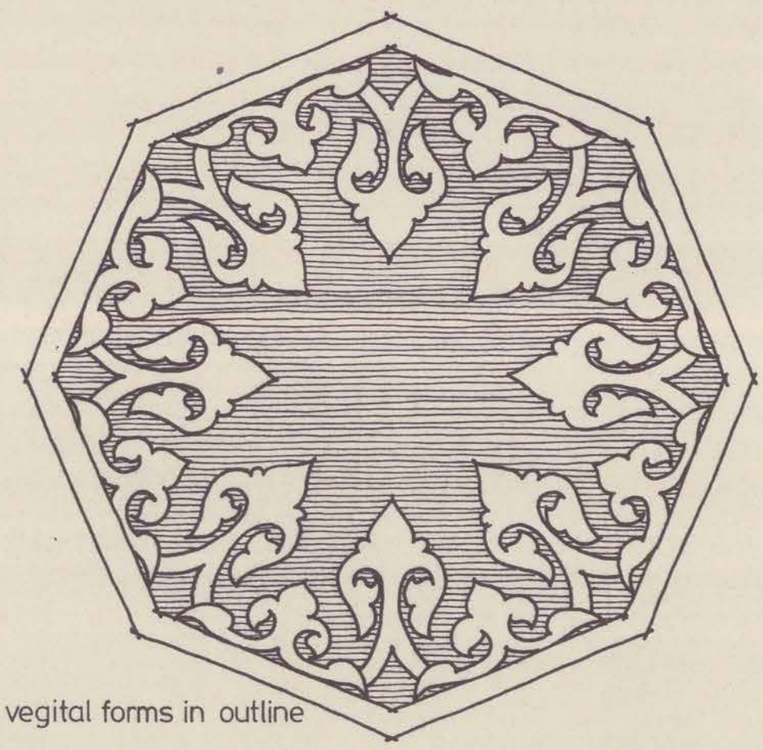




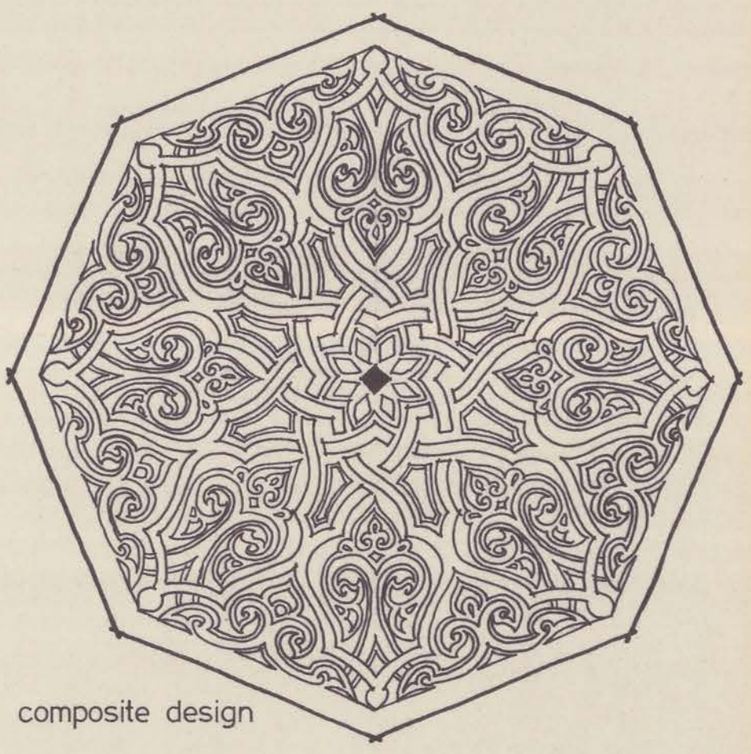
plan of vault over landing 2



ribbon in outline



vegital forms in outline



composite design

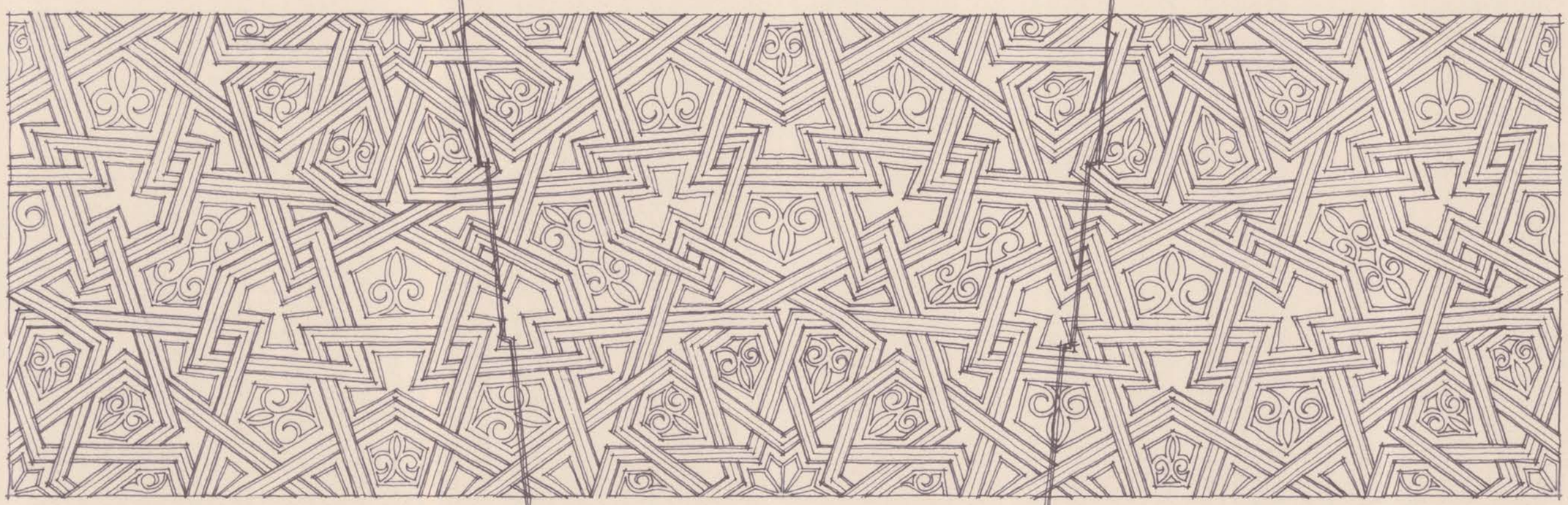
LANDING 2

0·1 0 0·1 0·2 0·3 0·4 0·5m.

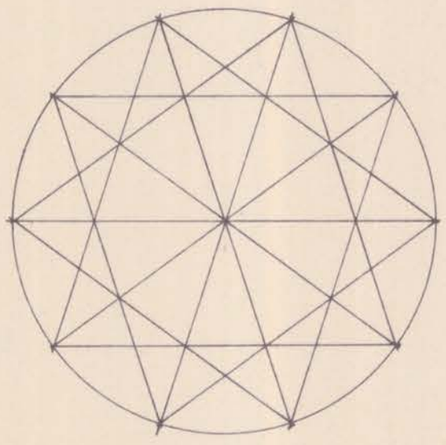
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DECORATED CENTRES OF THE VAULTS OVER LANDINGS 2 AND 6.

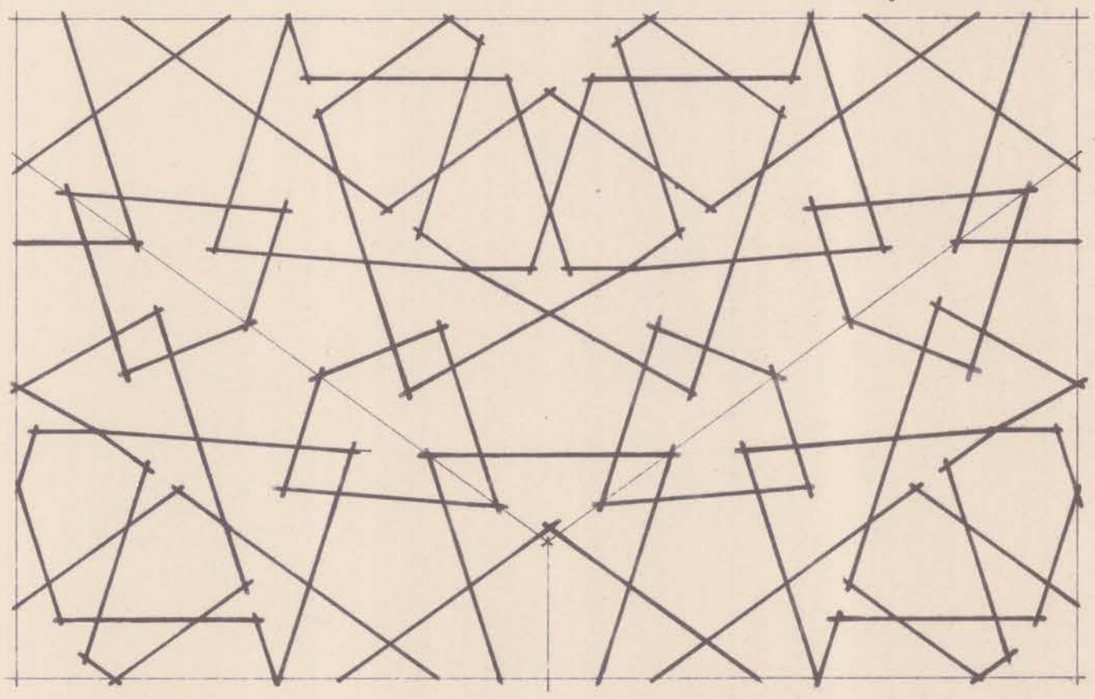
64.

DELT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, FSA (Scot) #:'79.

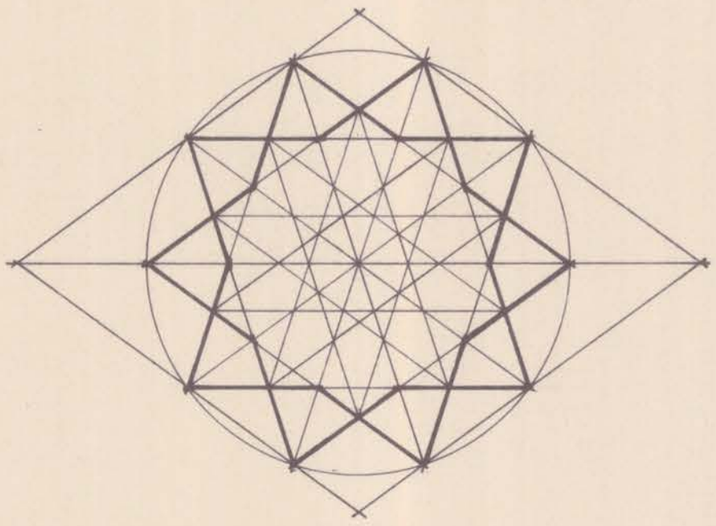


basic repeat unit

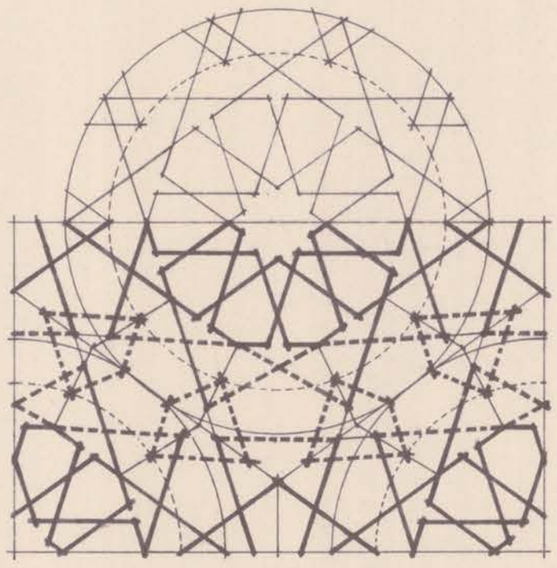




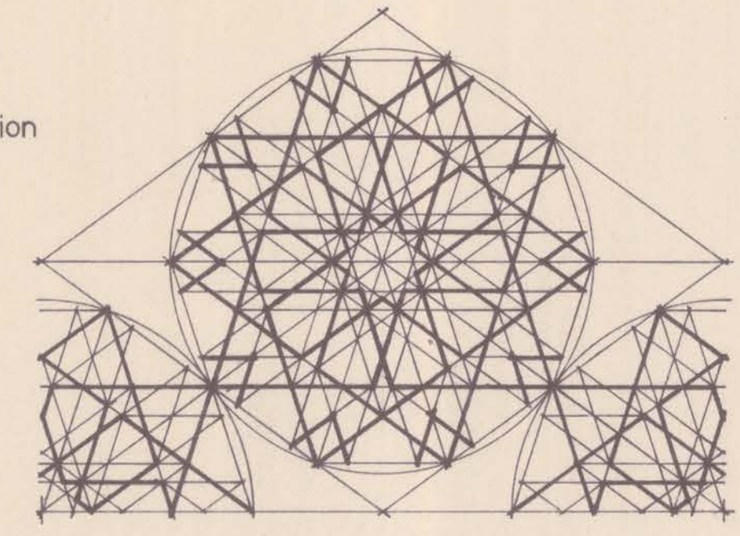
point joining and rhombus



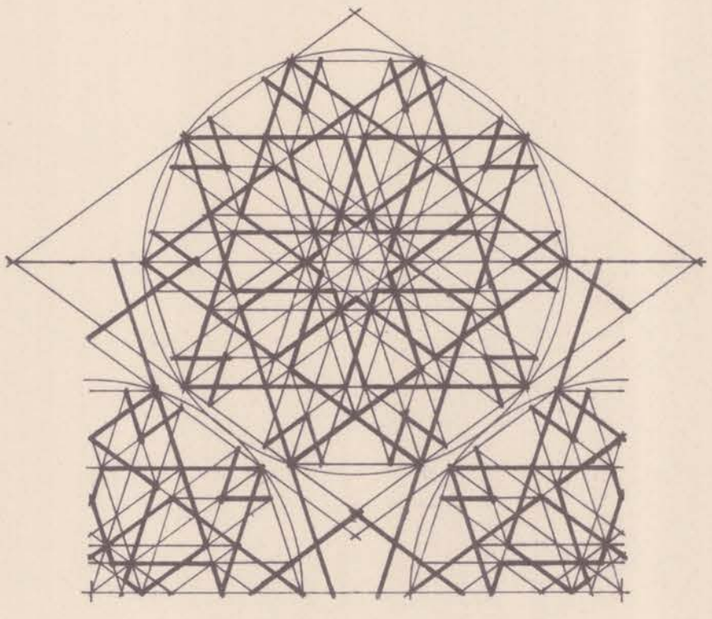
realignment of peripheral lines



rhombi amalgamation



repeat unit circles tangentially placed

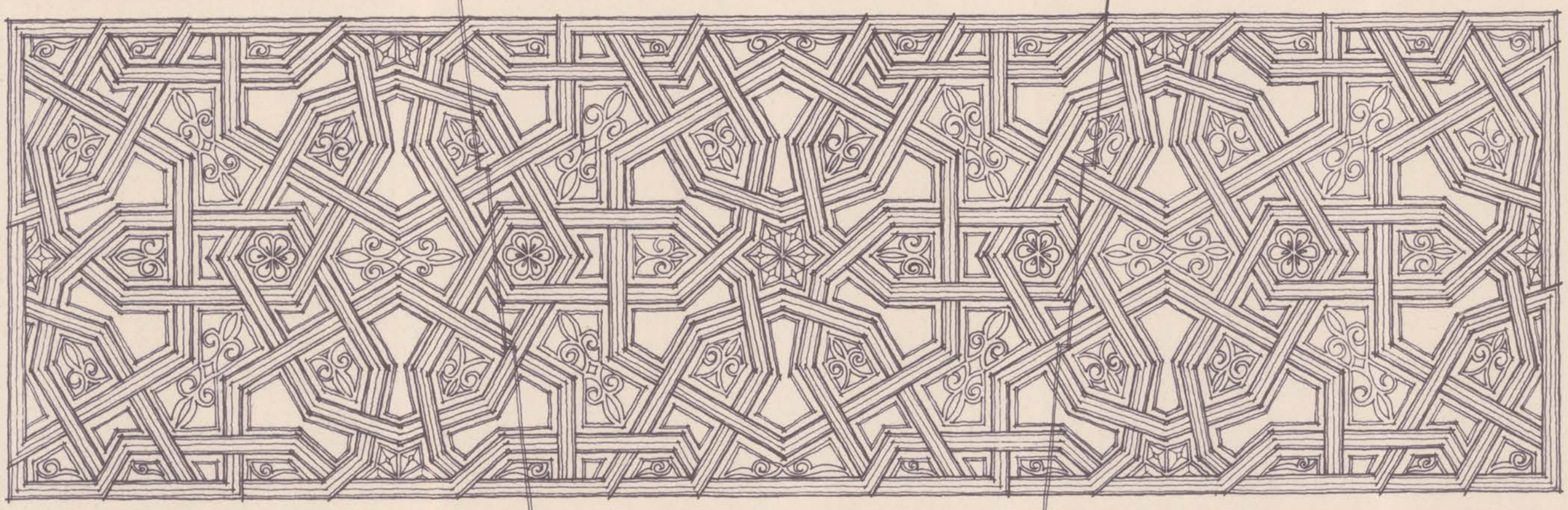


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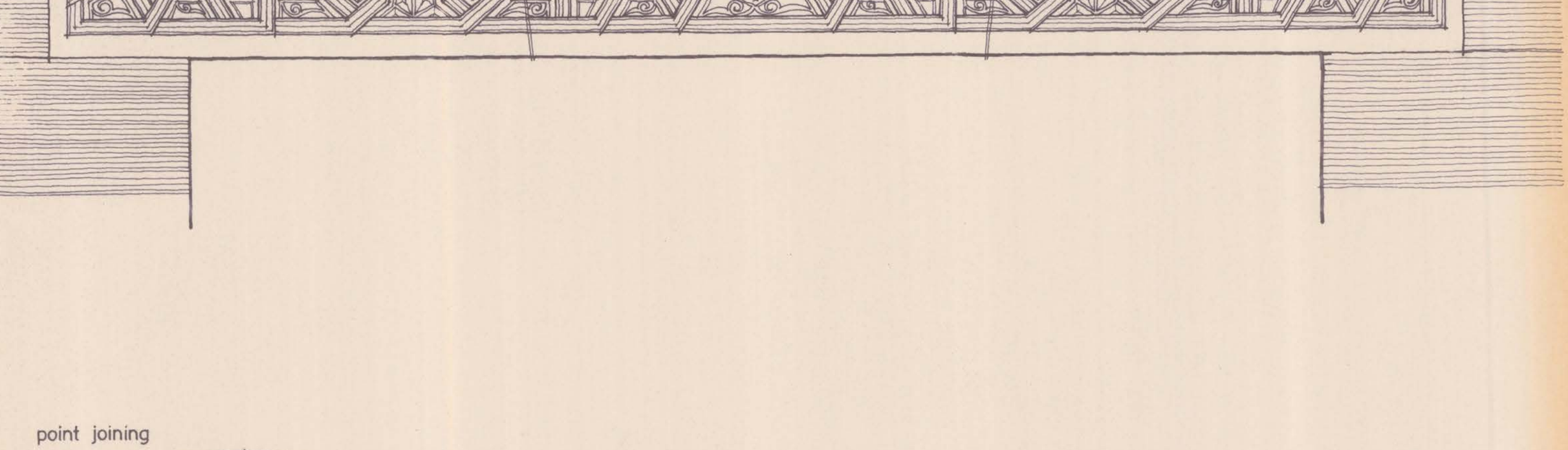
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
EAST LINTEL IN THE UPPER CORRIDOR (LINTEL 1)

65

DRLT. A. GEORGE WALLS. M.Sc., A.R.I.B.A., A.R.I.A.S., F.S.A. (Scot.). '76



point joining




basic repeat unit

0·1 0 0·1 0·2 0·3 0·4 0·5m.

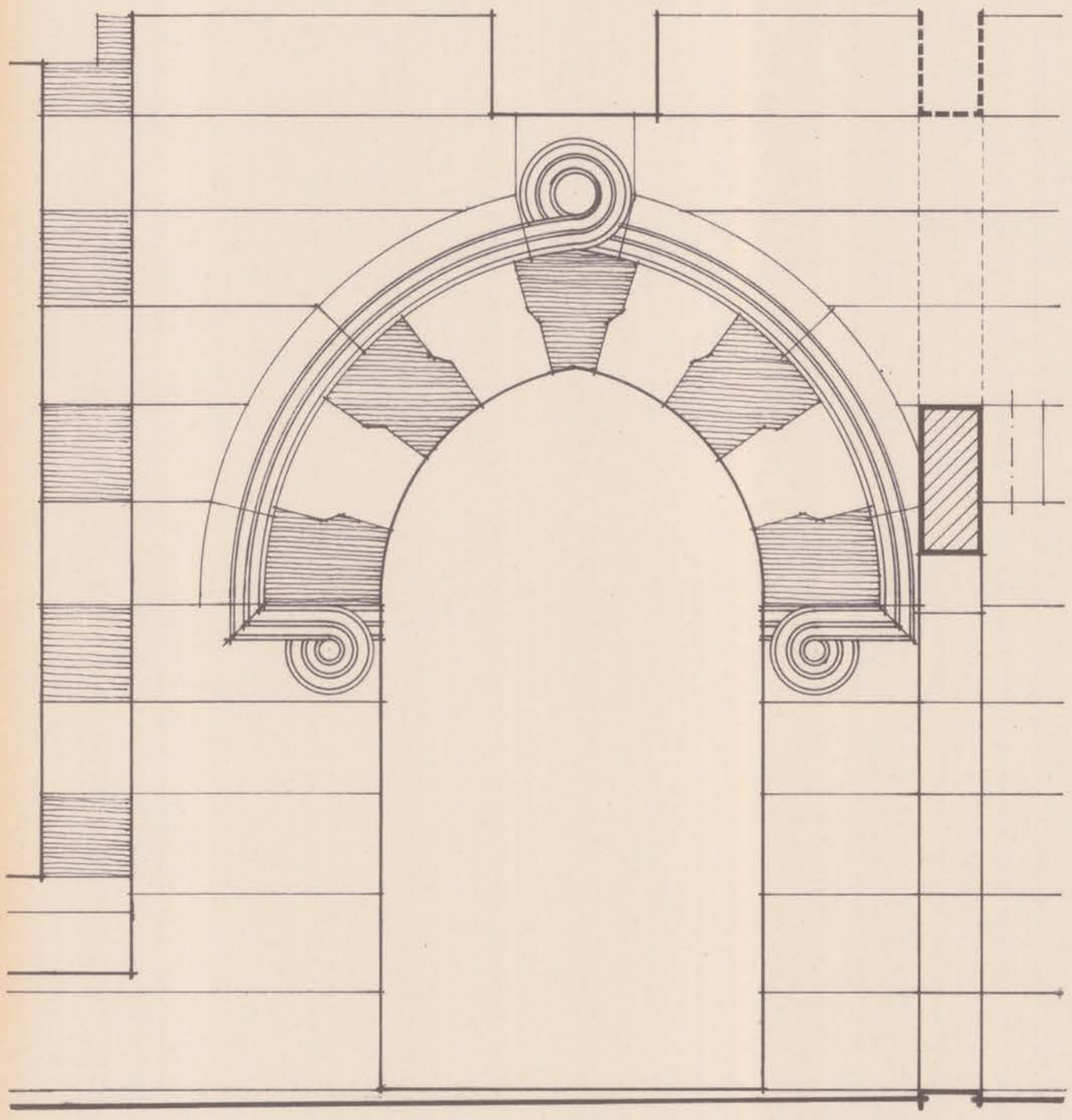
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
WEST LINTEL IN UPPER CORRIDOR (LINTEL 2)



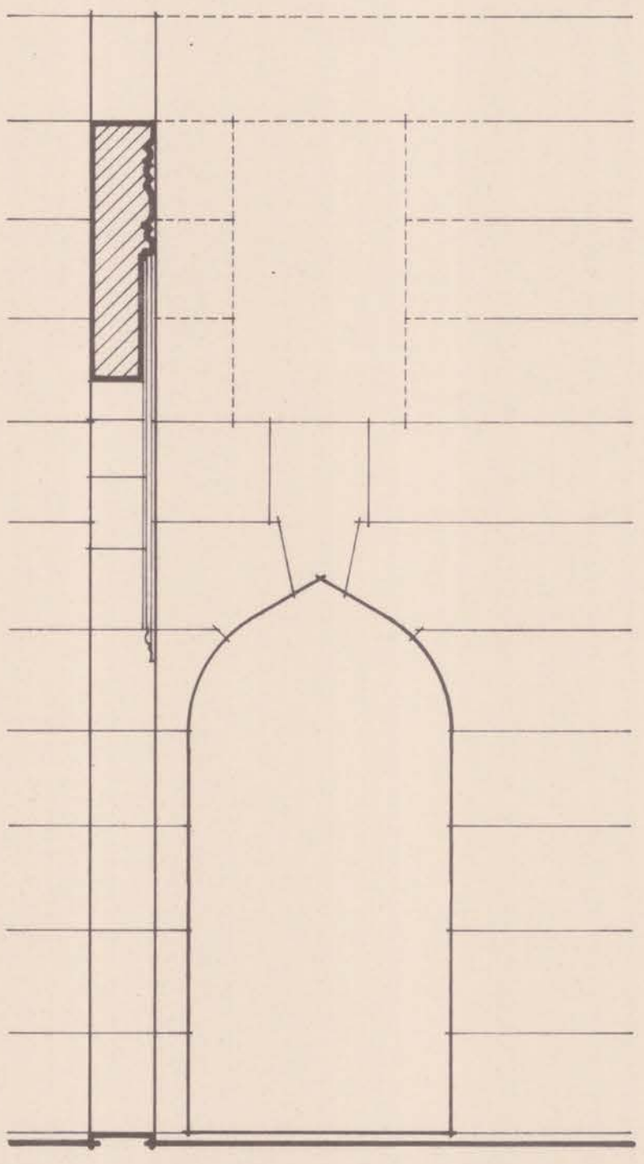
DRLT. A. GEORGE WALLS, M.Sc., A.R.I.B.A., A.R.I.A.S., F.S.A. (SCOT.)

'76

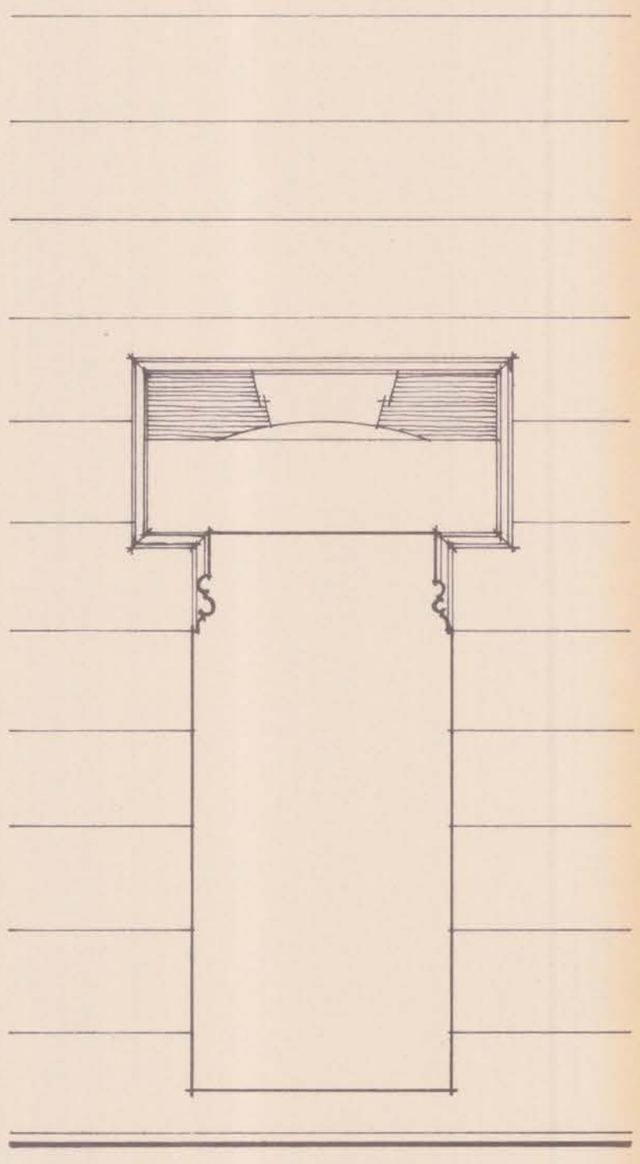
TRIPLE WINDOW RECESS IN WEST WALL



SOUTH DOOR IN WEST WALL



EAST DOOR IN SOUTH WALL



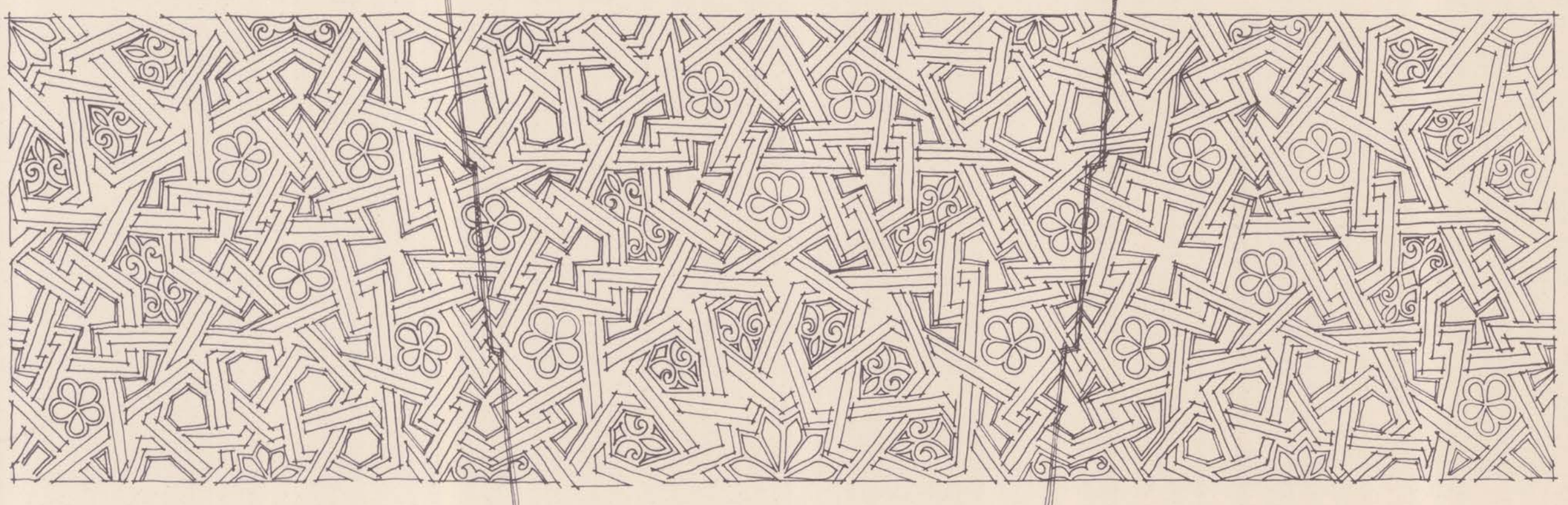
CENTRAL DOOR IN SOUTH WALL

1 0 1 2m.

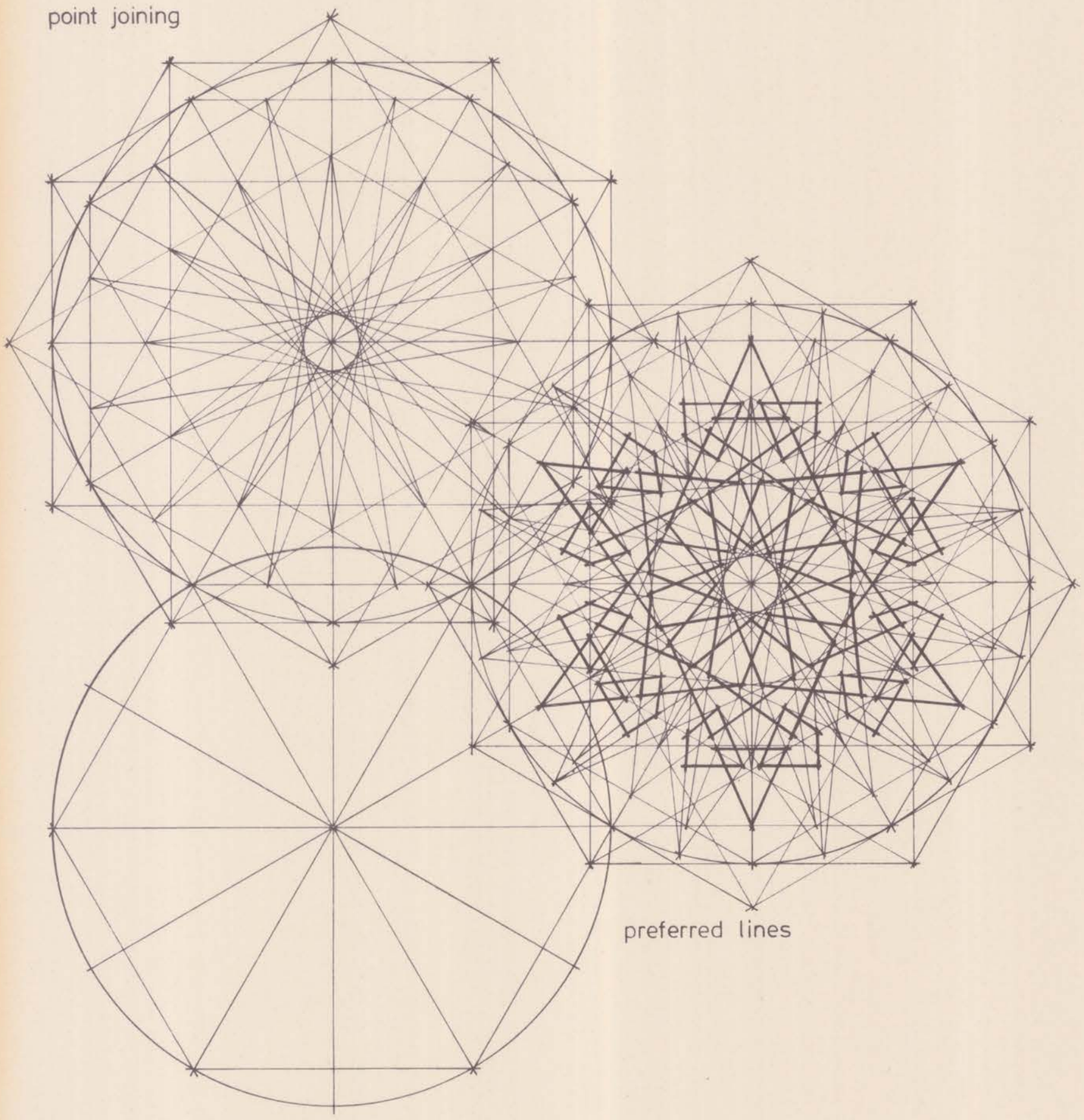
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
WINDOWS AND DOORS IN COURTYARD

67

DELT. A. GEORGE WALLS, MSc, ARIBA, ARIAS, FSA SCOT. '79.

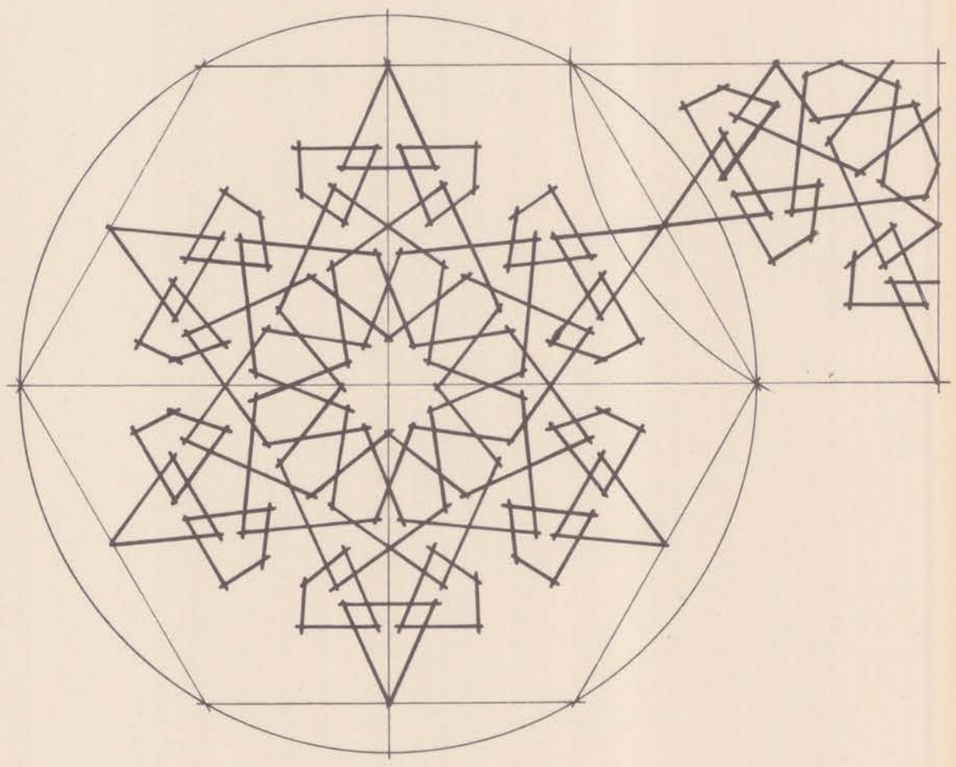


point joining



basic repeat unit

preferred lines

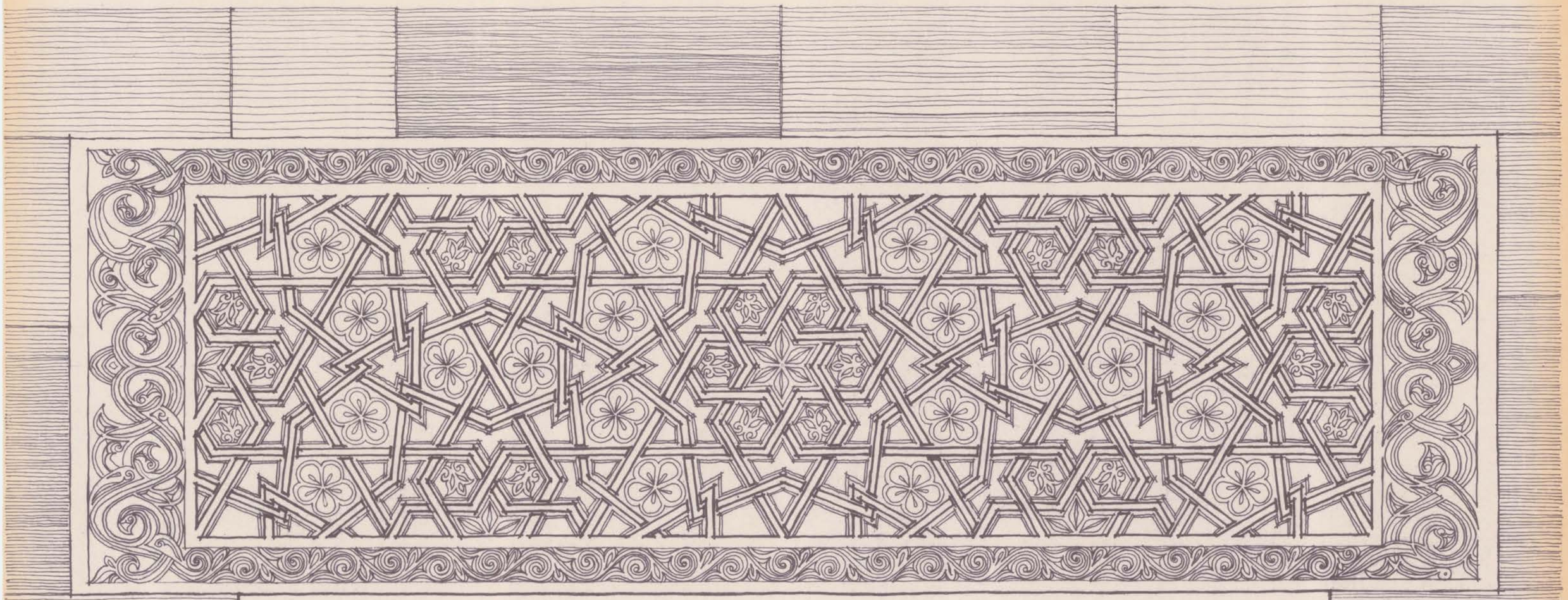


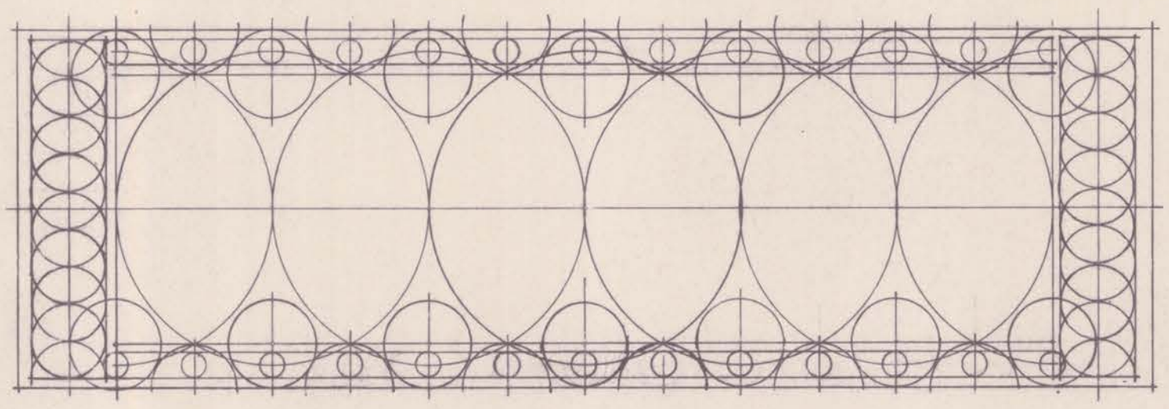
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SOUTH LINTEL IN TRIPLE WINDOW RECESS (LINTEL 3)

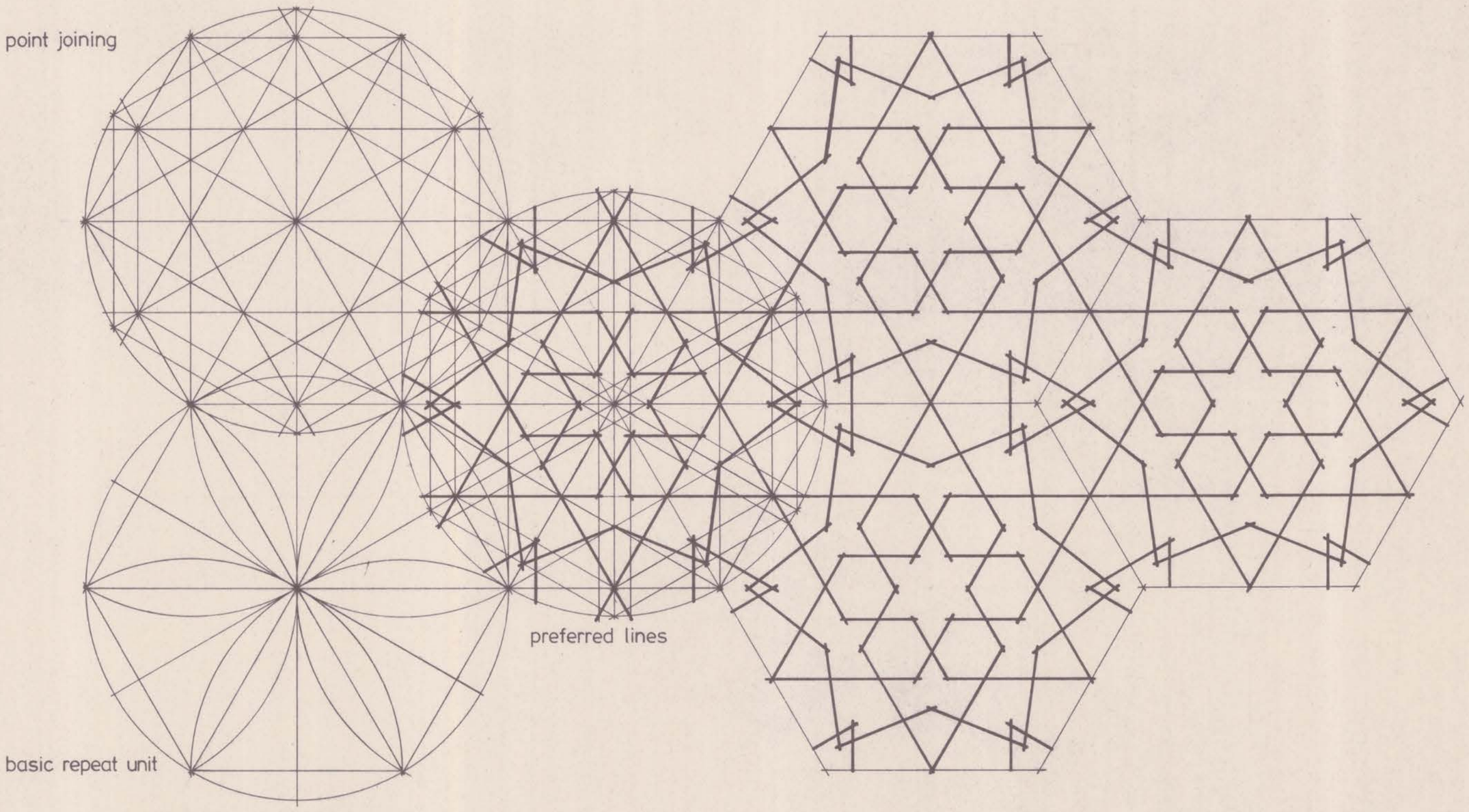
68

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GENERAL DIVISIONS
OF LINTEL

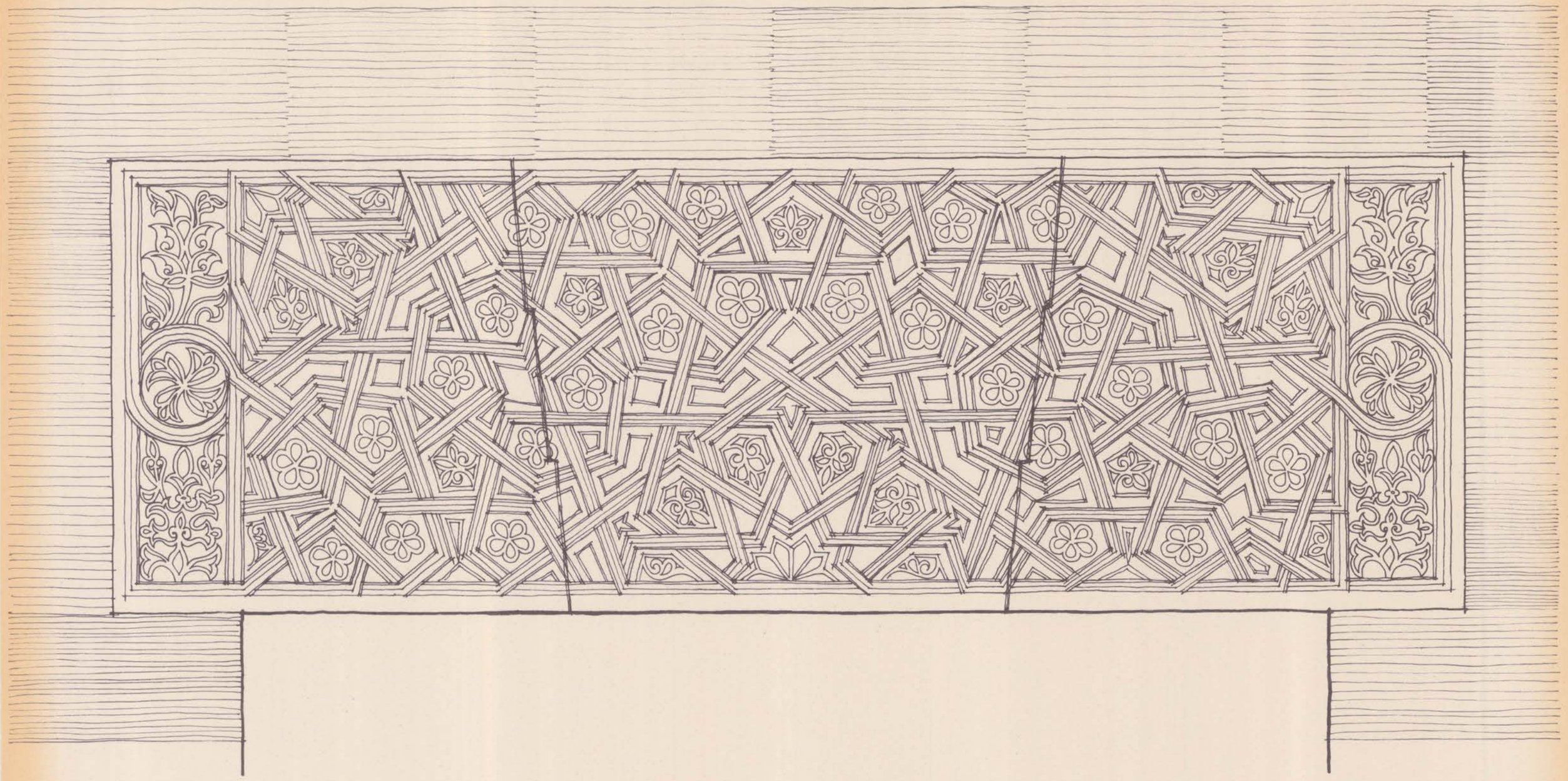



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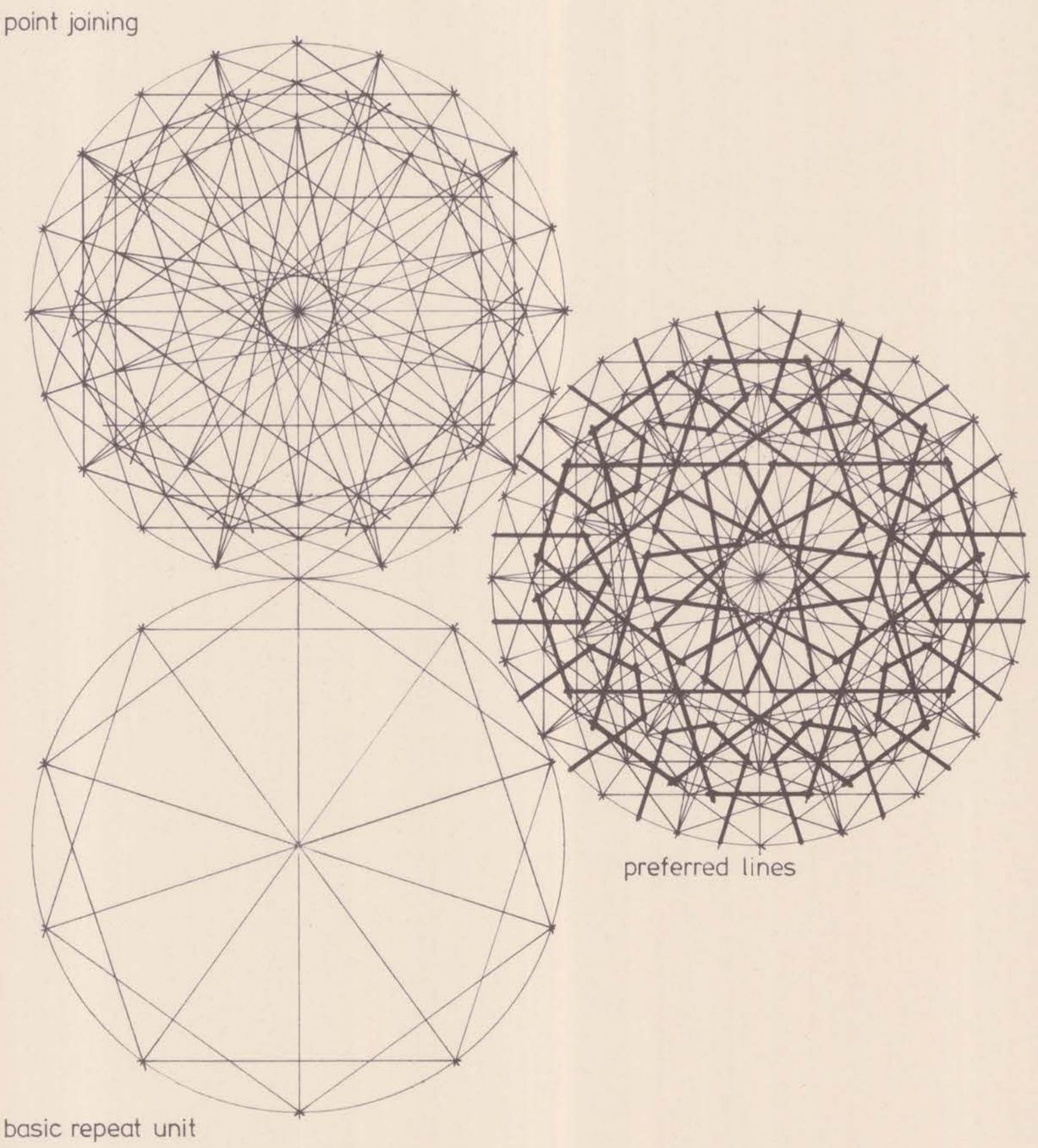
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
CENTRE LINTEL IN TRIPLE WINDOW RECESS (LINTEL 4)



DELT. A. GEORGE WALLS, M.Sc, RIBA, AMIAS, FSA SCOT. 1/79.

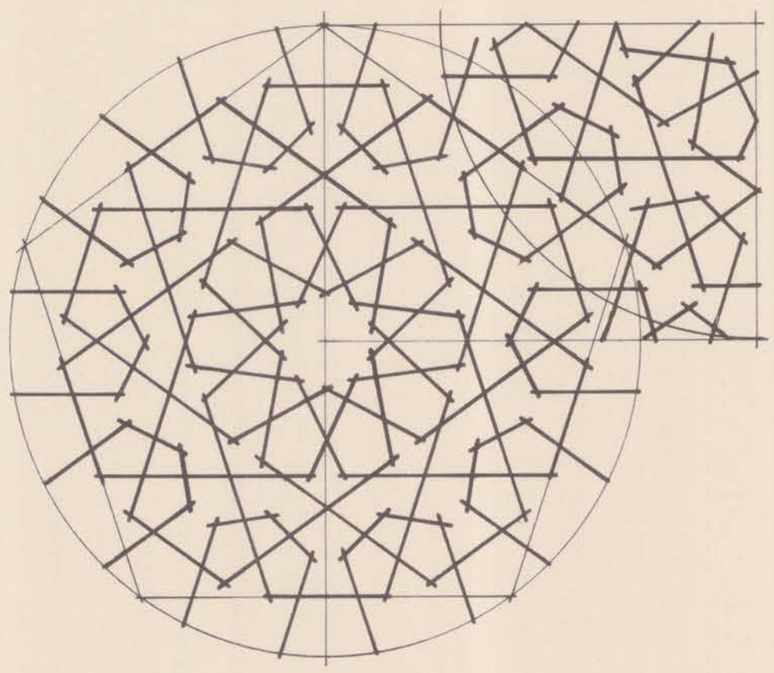


point joining



preferred lines

basic repeat unit

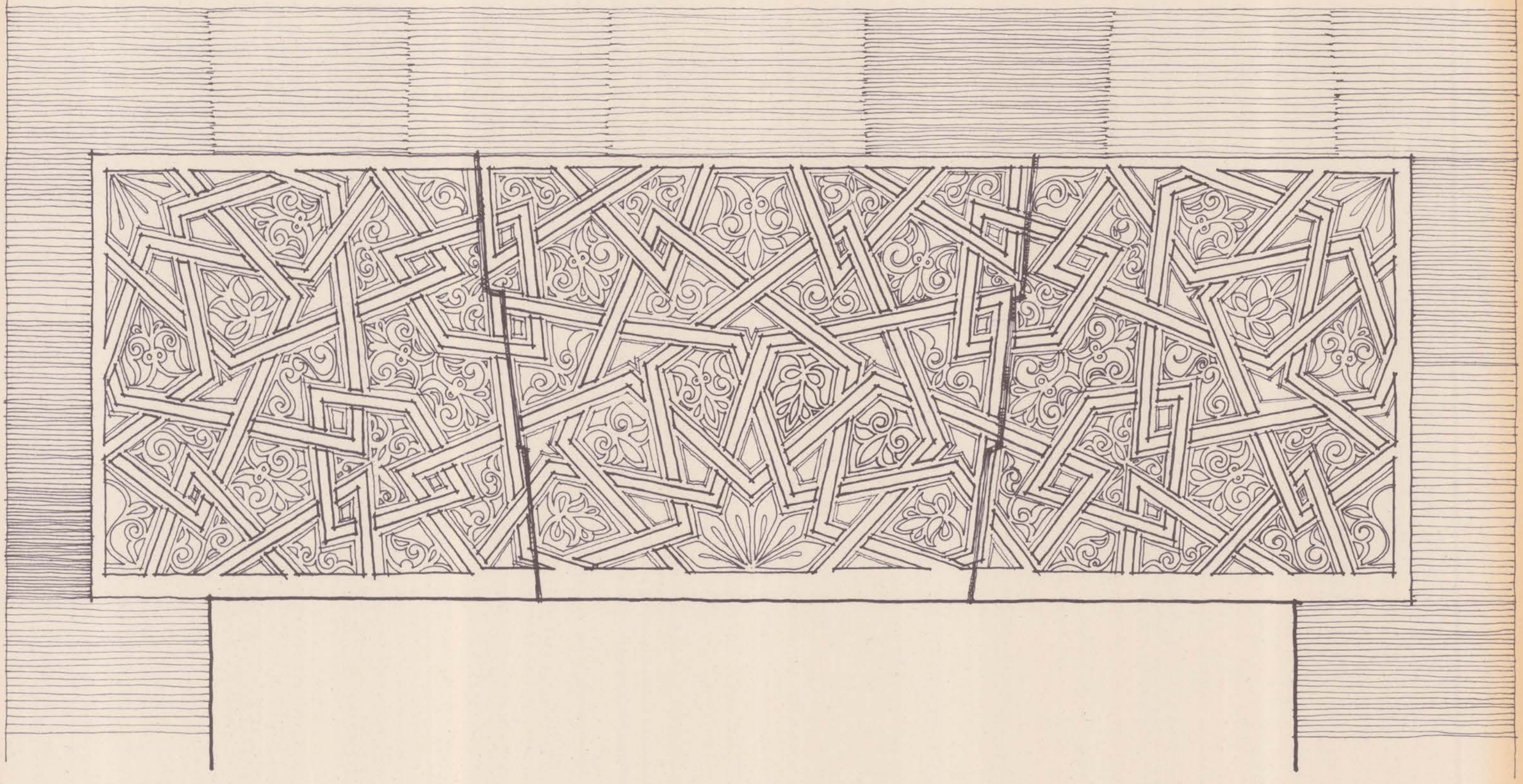


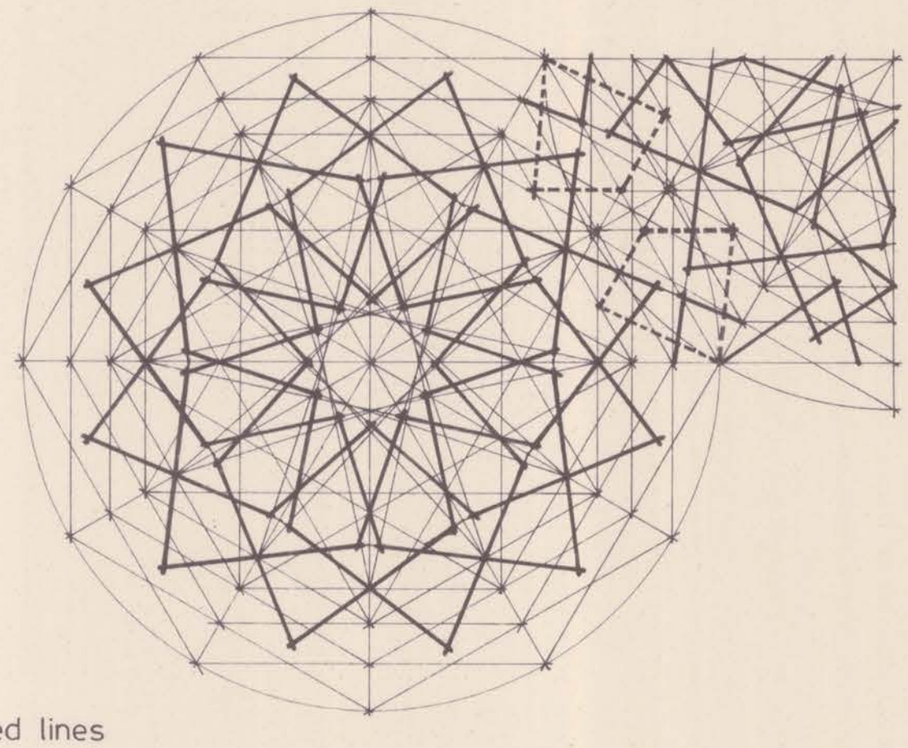
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
NORTH LINTEL IN TRIPLE WINDOW RECESS (LINTEL 5).

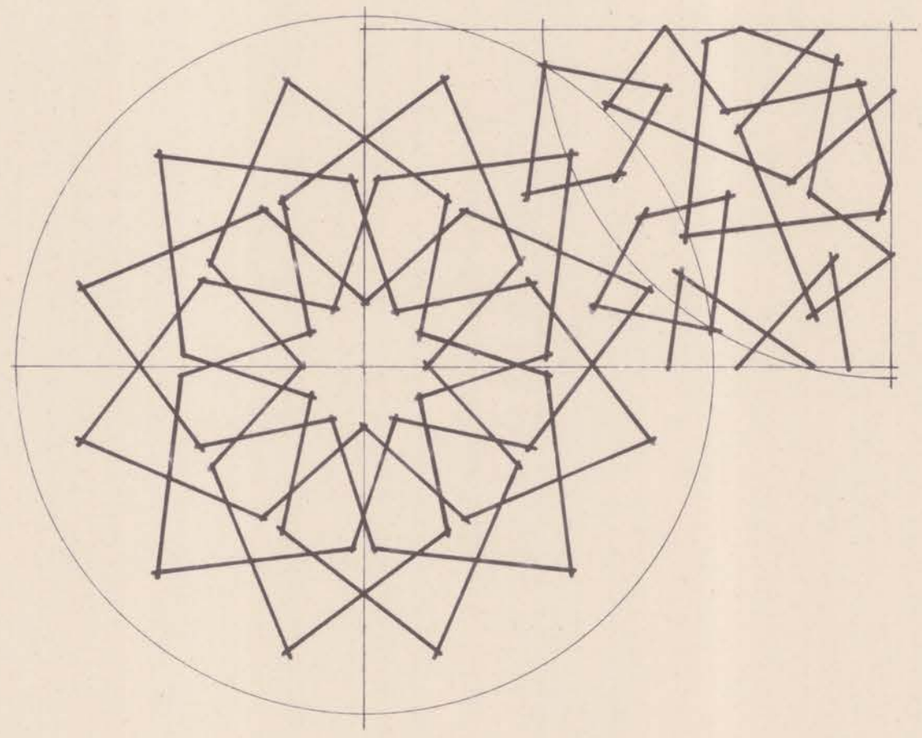


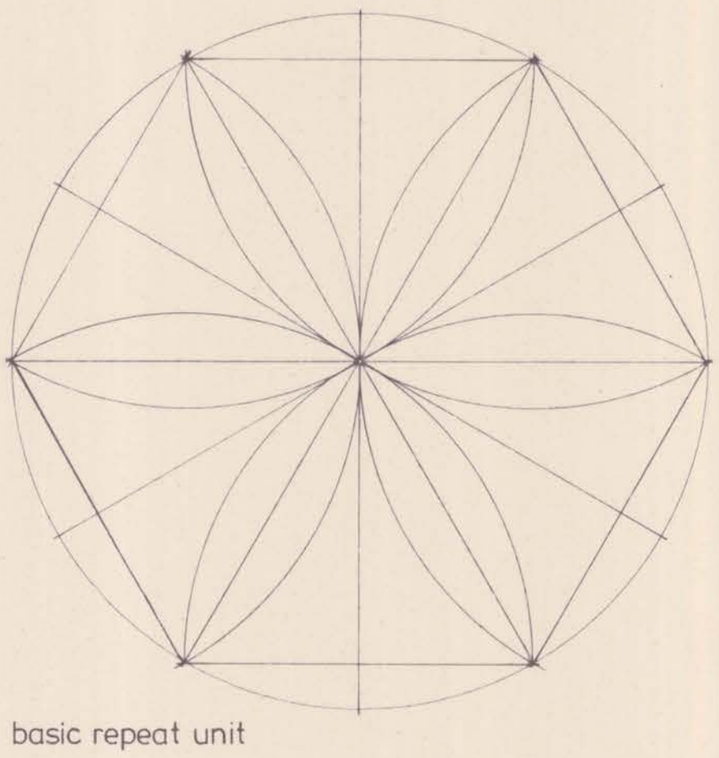
DELT. A. GEORGE, WALLS, MSC, ARIBA, AAIAS, FSA SCOT. 1979.



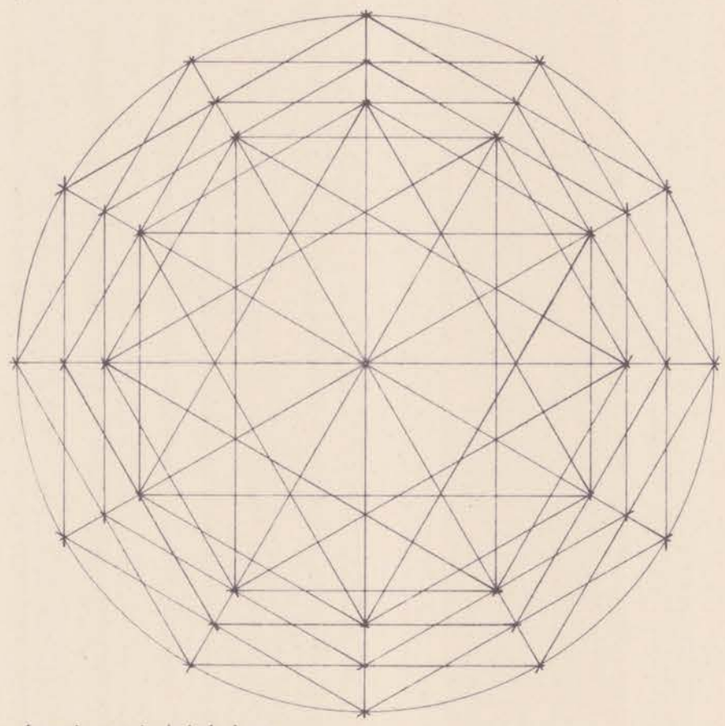


preferred lines

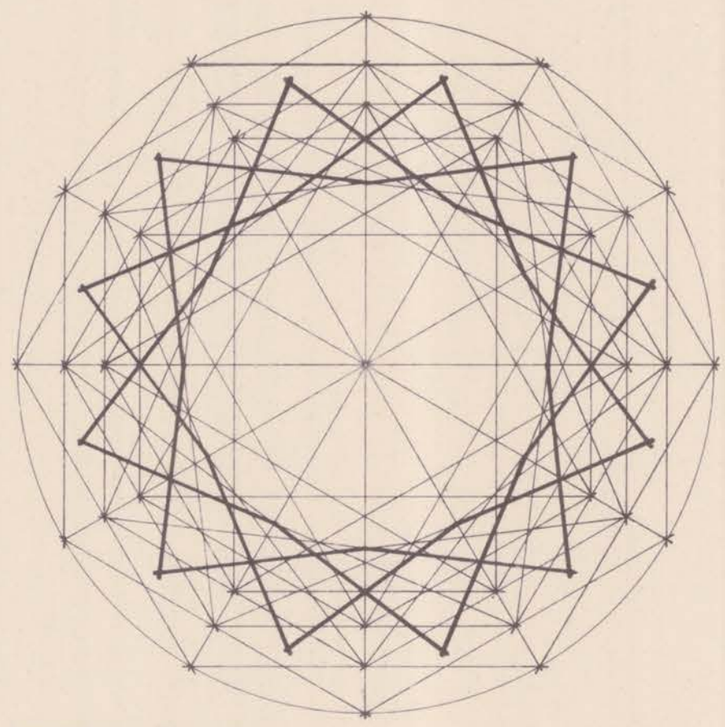




basic repeat unit



basic point joining



formation of rays
through point joining

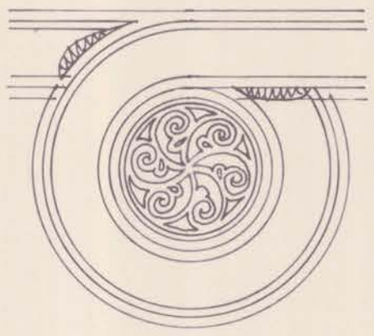
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
LINTEL IN SINGLE WINDOW RECESS (LINTEL 6).

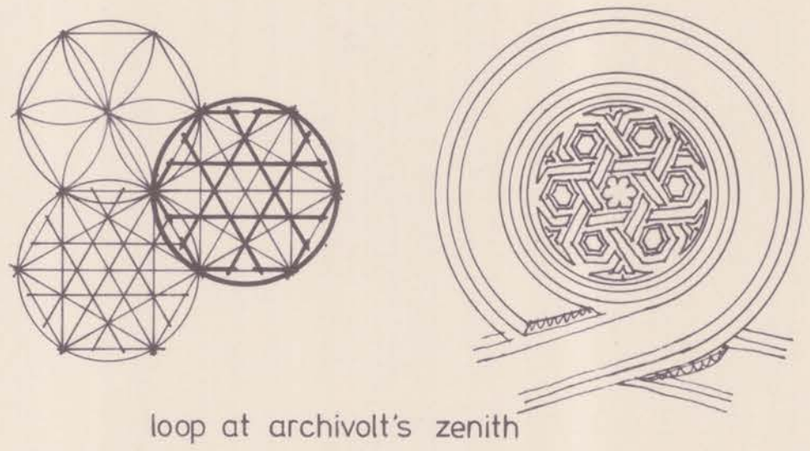


DELT. A. GEORGE WALLS, MSC, RIBA, ARIAS, FSA SCOT, 1979.

DECORATED ARCHIVOLT'S LOOPS
TO VESTIBULE'S SIDE DOORS

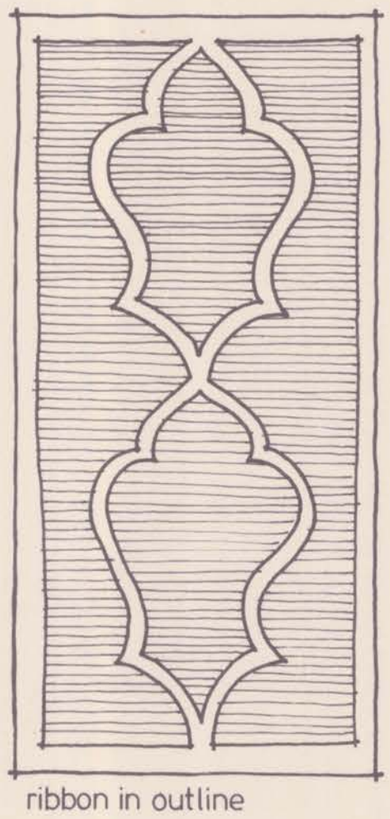


loop at archivolt's base

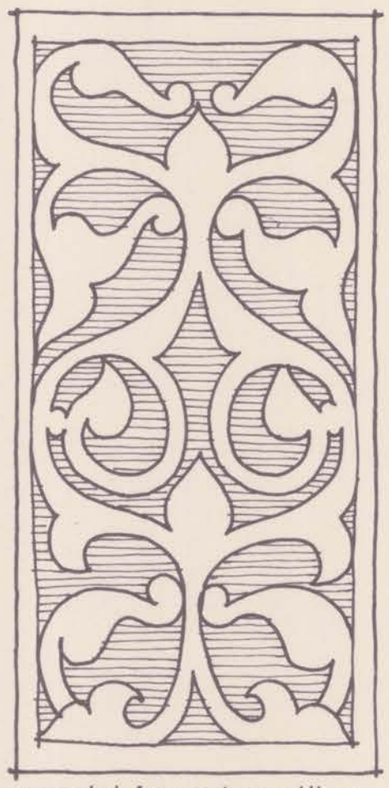


loop at archivolt's zenith

INTERMEDIATE PANEL IN
THE UPPER CORRIDOR



ribbon in outline

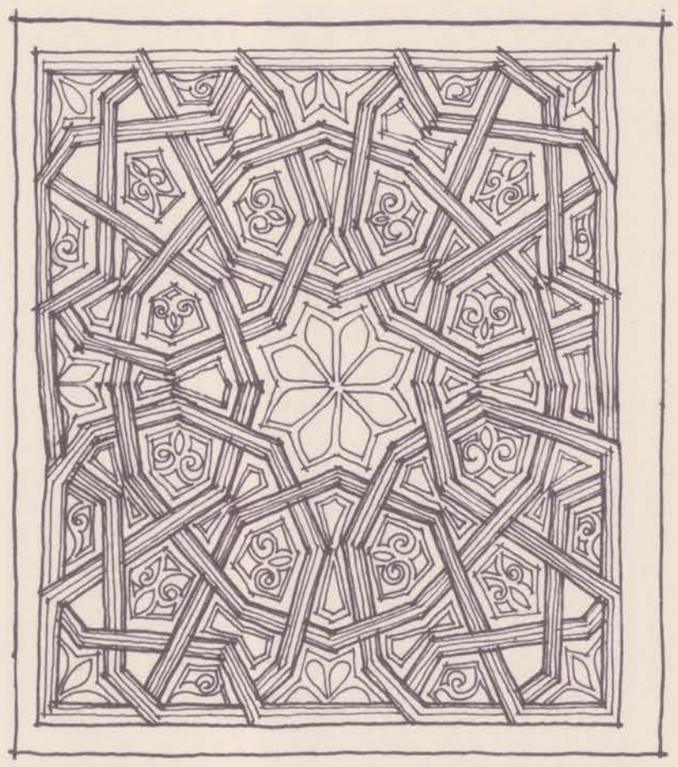


vegetal forms in outline

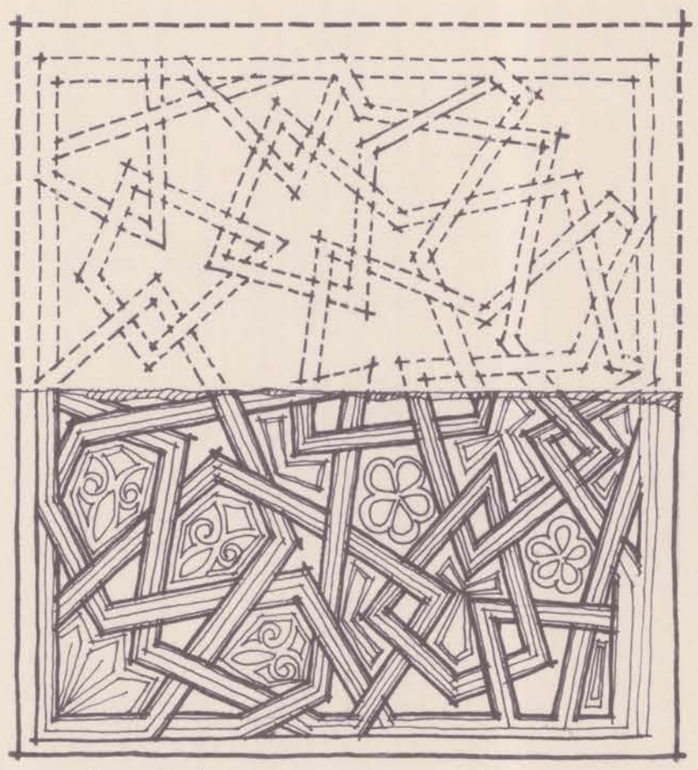


composite

INTERMEDIATE PANELS IN
THE TRIPLE WINDOW RECESS



south panel



north panel

EPITAPHS FROM THE FAMILY TOMB
OF QUNUQBĀY AL-AḤMADĪ.



no.XLIII
sayf al-dīn qunuqbāy al-aḥmadī, 797/1395.



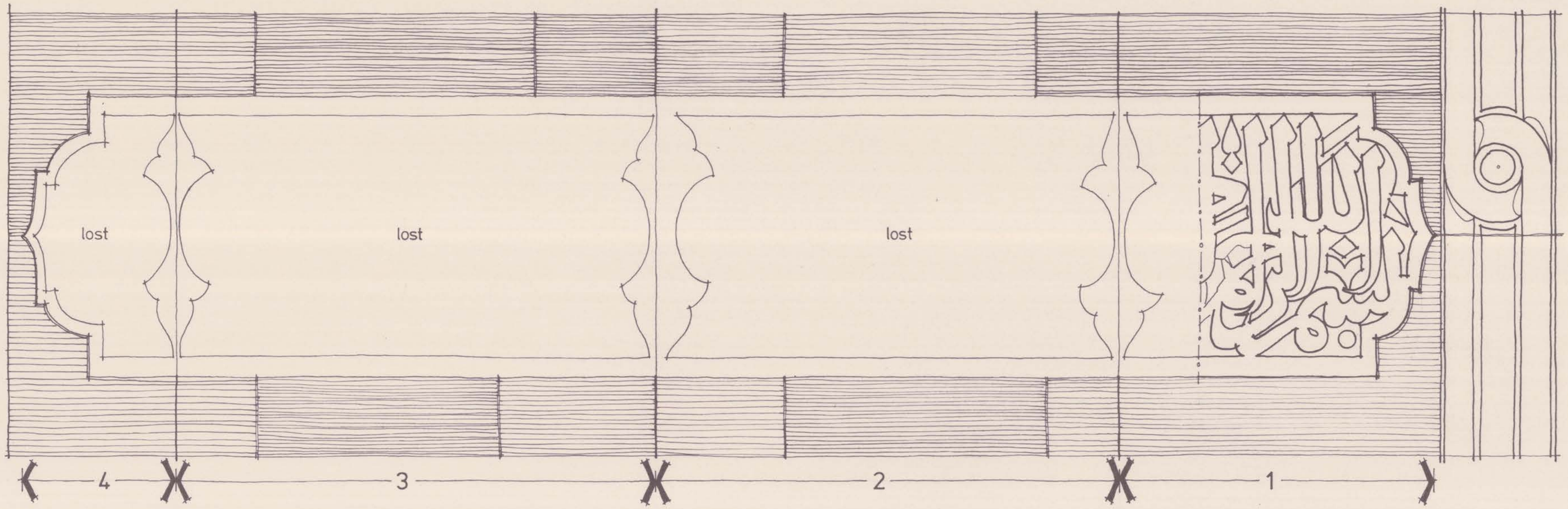
no.XLIV
ṣafar and zahra,
daughters of qunuqbāy,
al-aḥmadi, 797/1395.

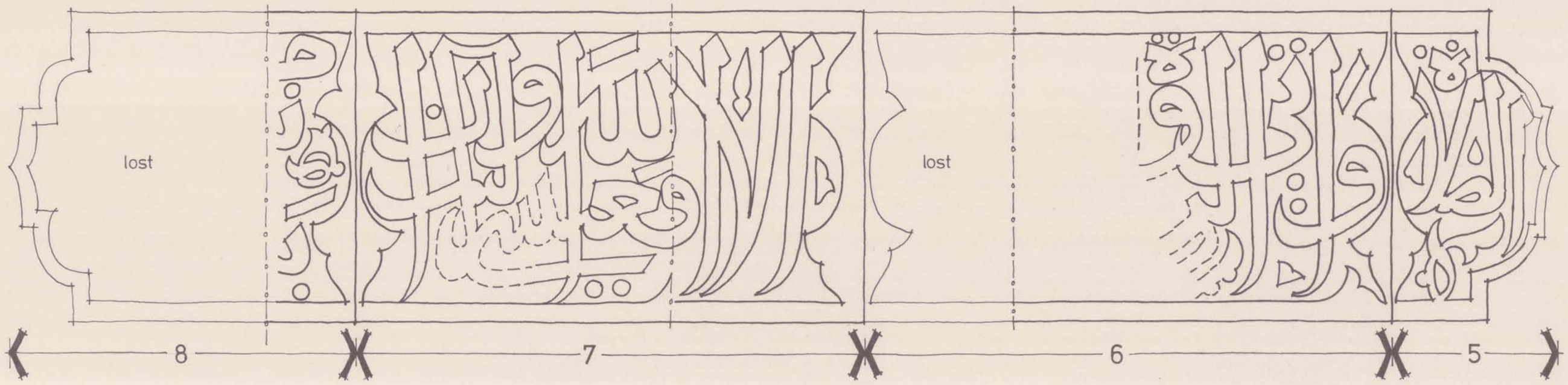
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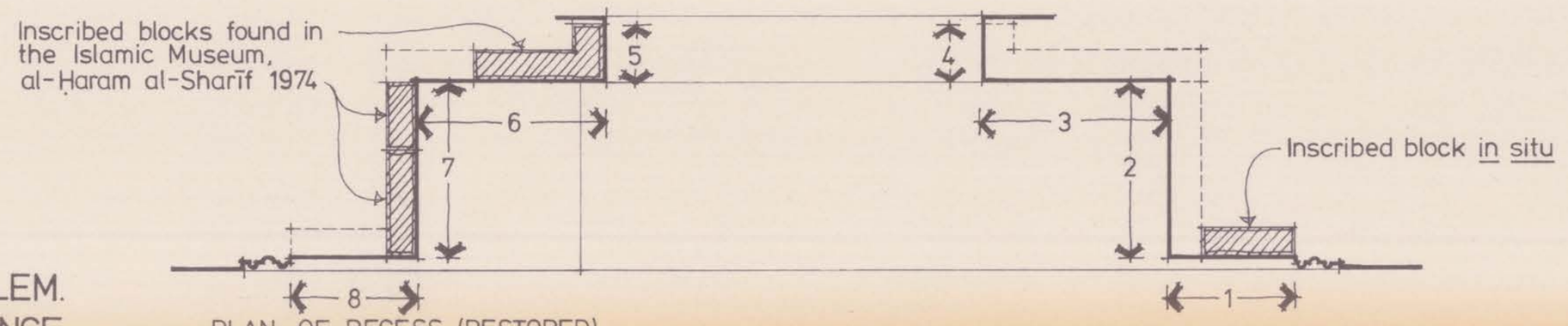
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
MISCELANEOUS IN SITU DETAILS



DELT. A.GEORGE WALLS, MSC, RIBA, ARIAS, FSA SCOT. 79.



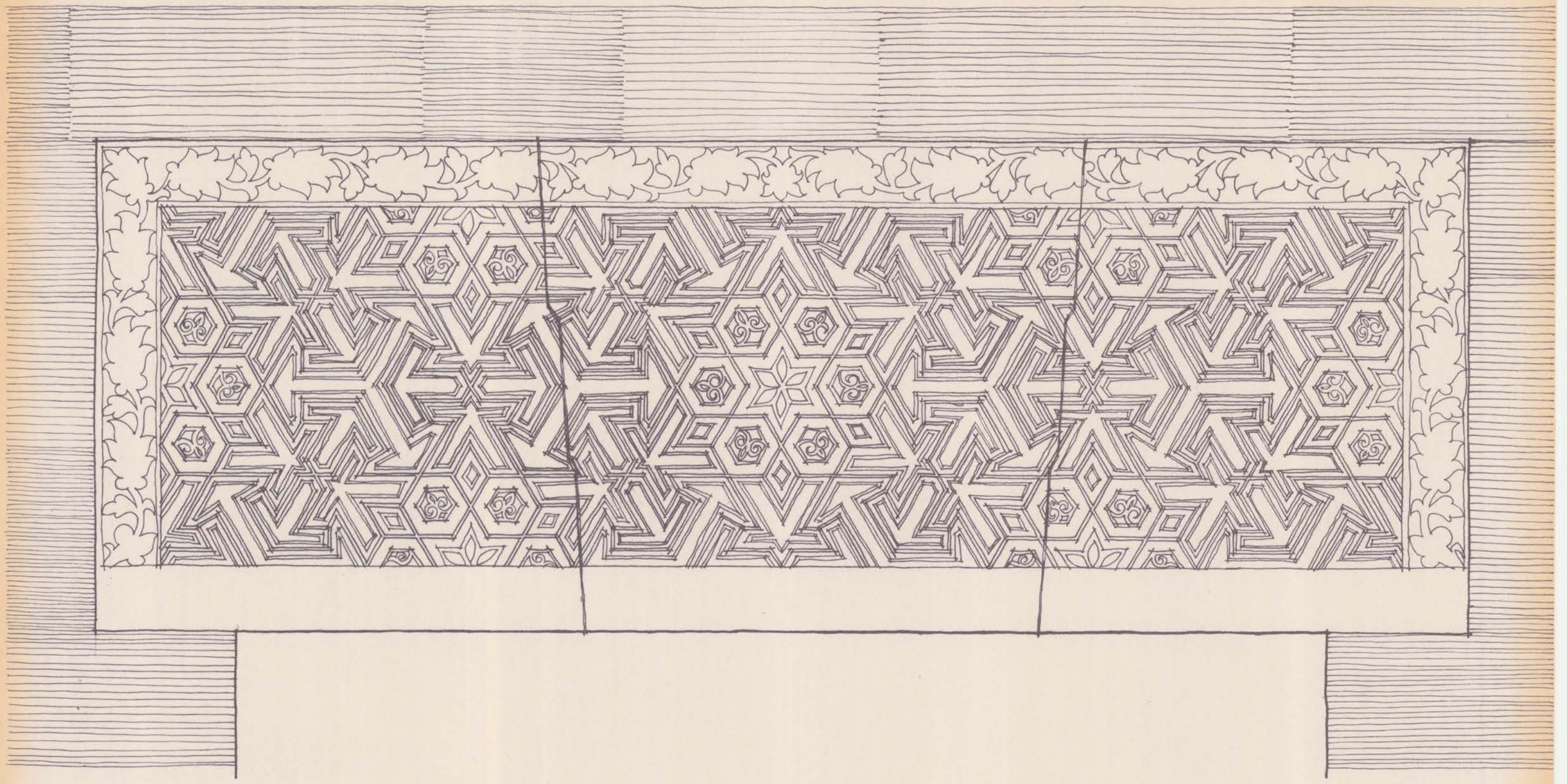




PLAN OF RECESS (RESTORED)

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
TEXT FROM QUR'ĀN IN UPPER RECESSED ENTRANCE.

DRLT. A. GEORGE WALLS, M.Sc, ARIBA, AAIAS, F.S.A.(Scot.) 1979.



point joining

basic repeat unit

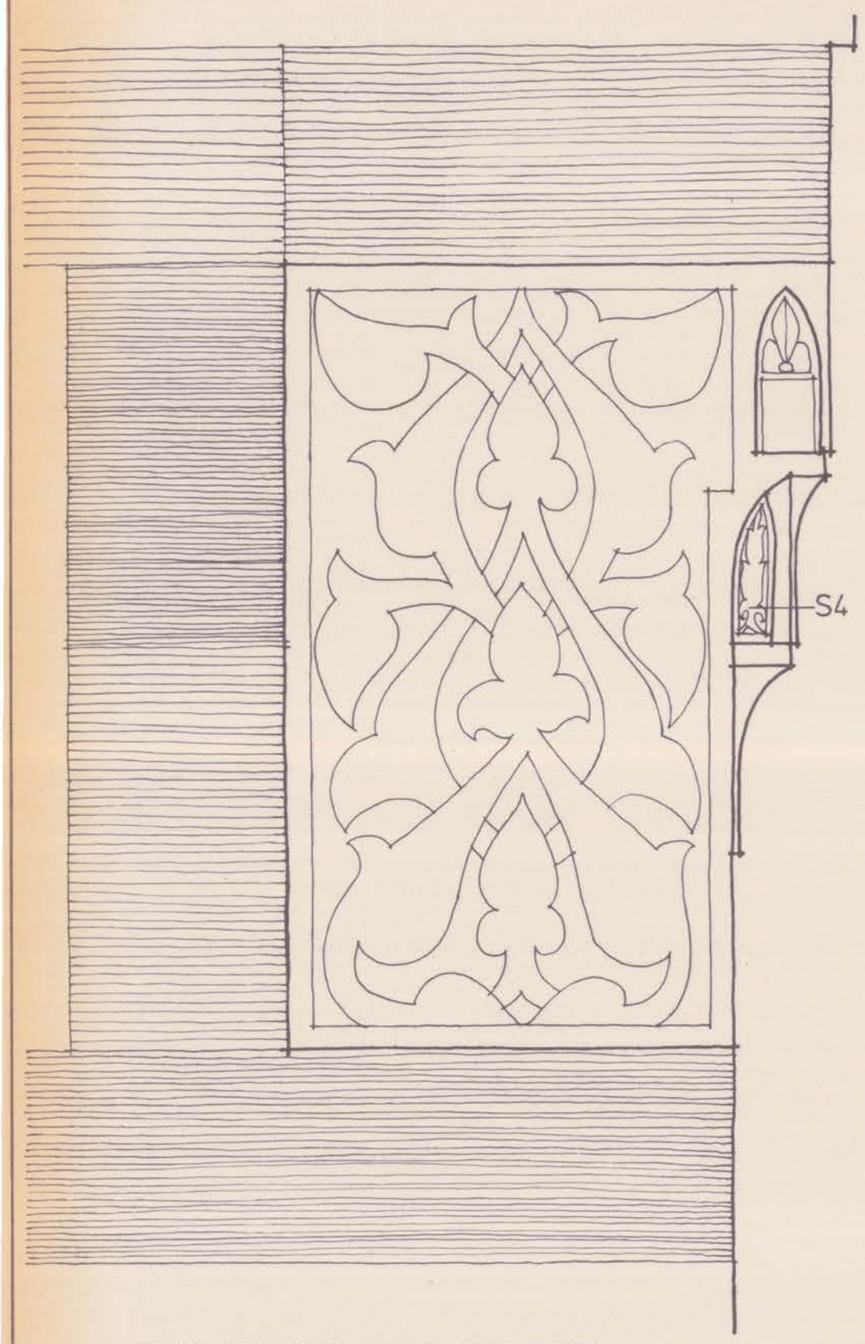
preferred lines

0·1 0 0·1 0·2 0·3 0·4 0·5m.

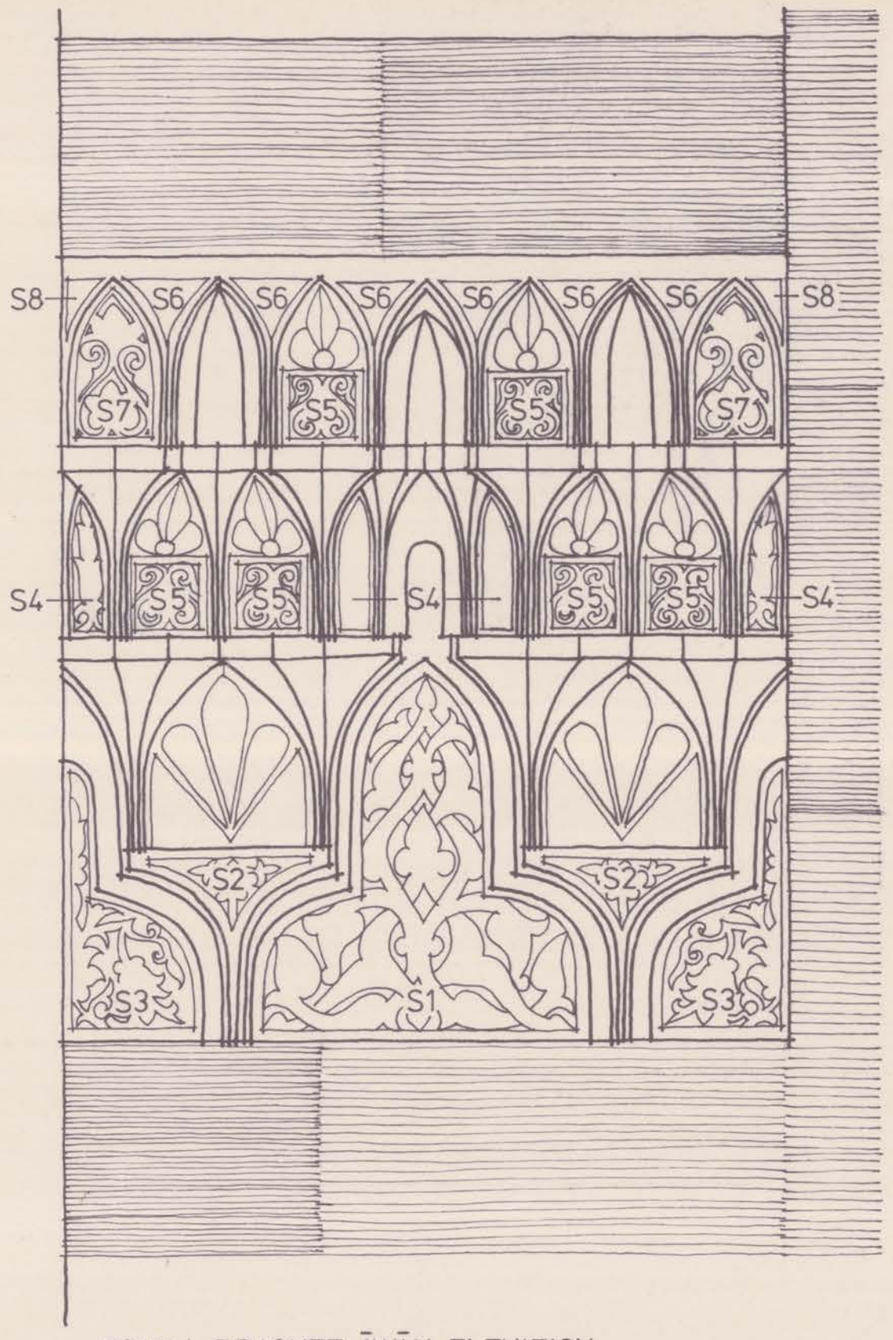
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
LINTEL OVER THE SAḤN'S NORTH WEST DOOR.

74

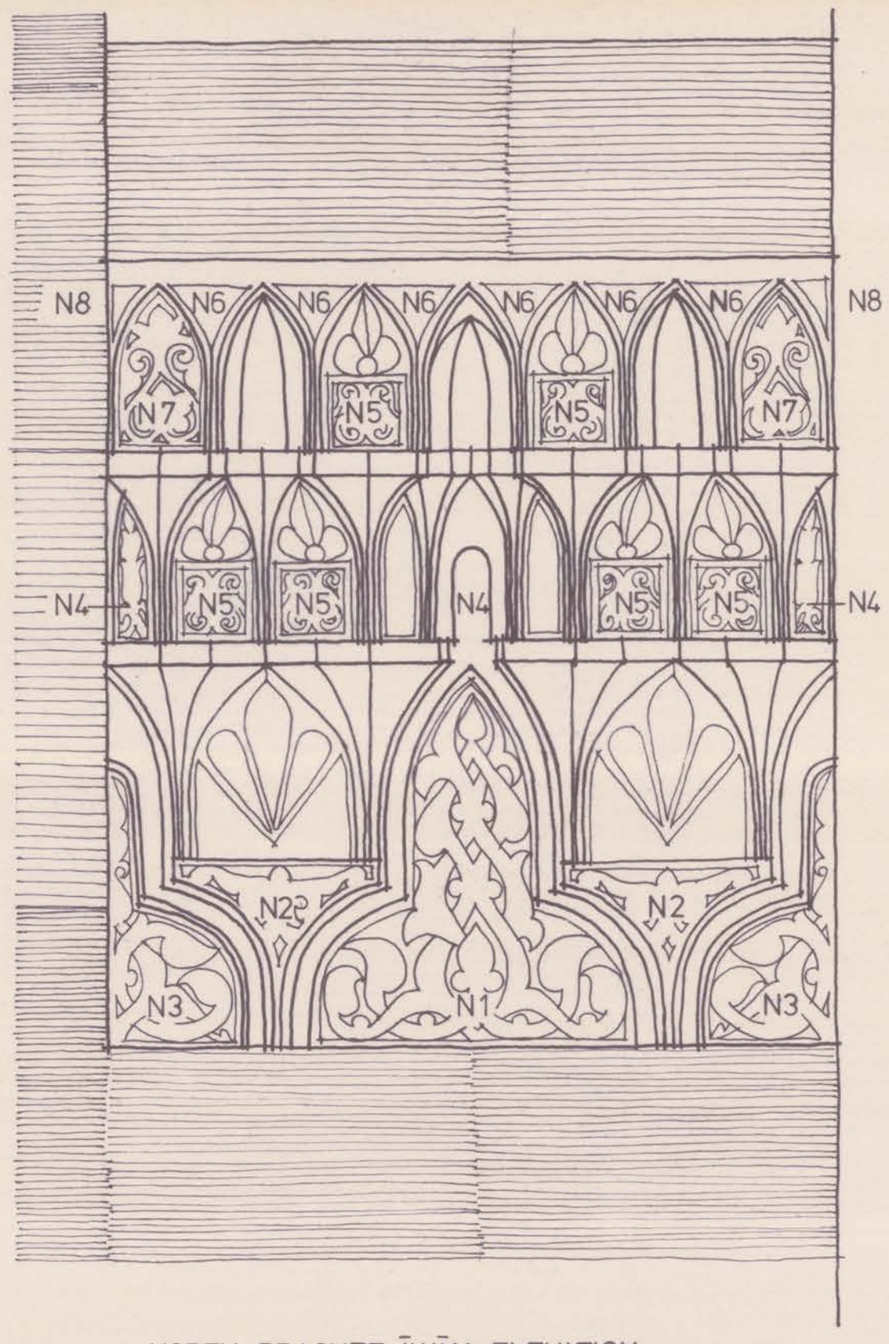
DECT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A. (SCOT). '79.



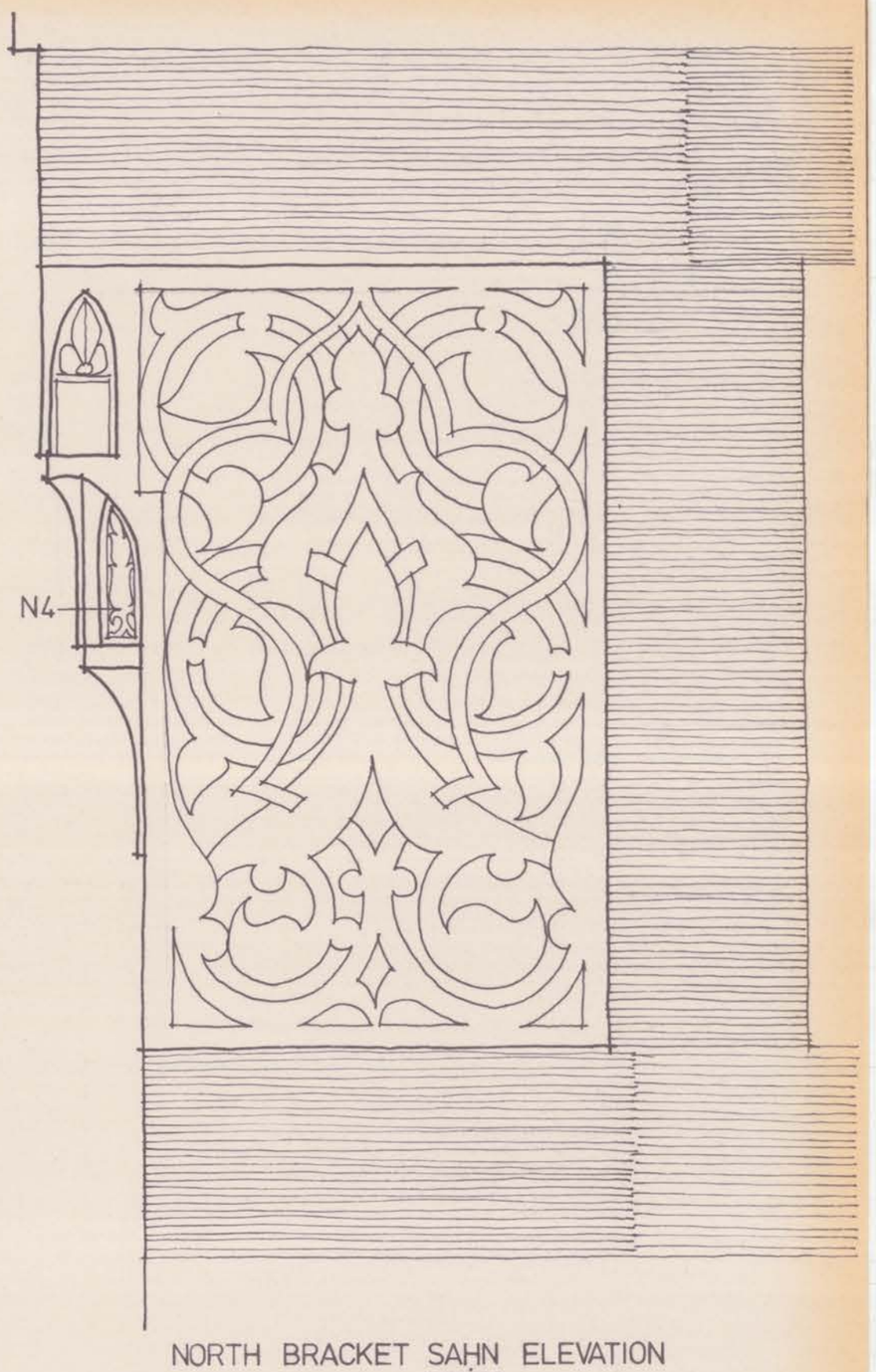
SOUTH BRACKET SAḤN ELEVATION




SOUTH BRACKET ĪWĀN ELEVATION

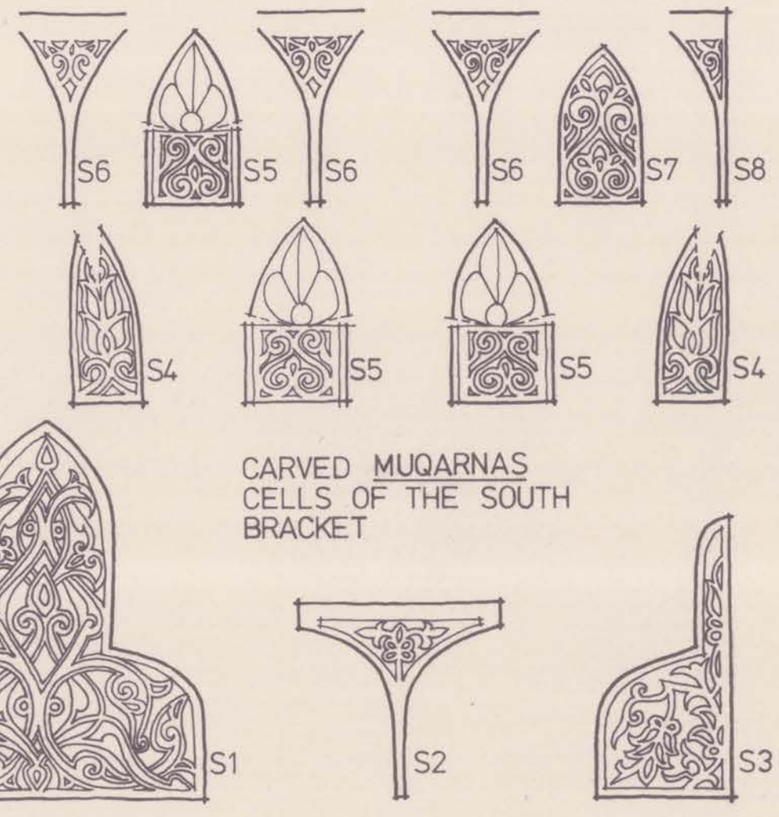



NORTH BRACKET ĪWĀN ELEVATION

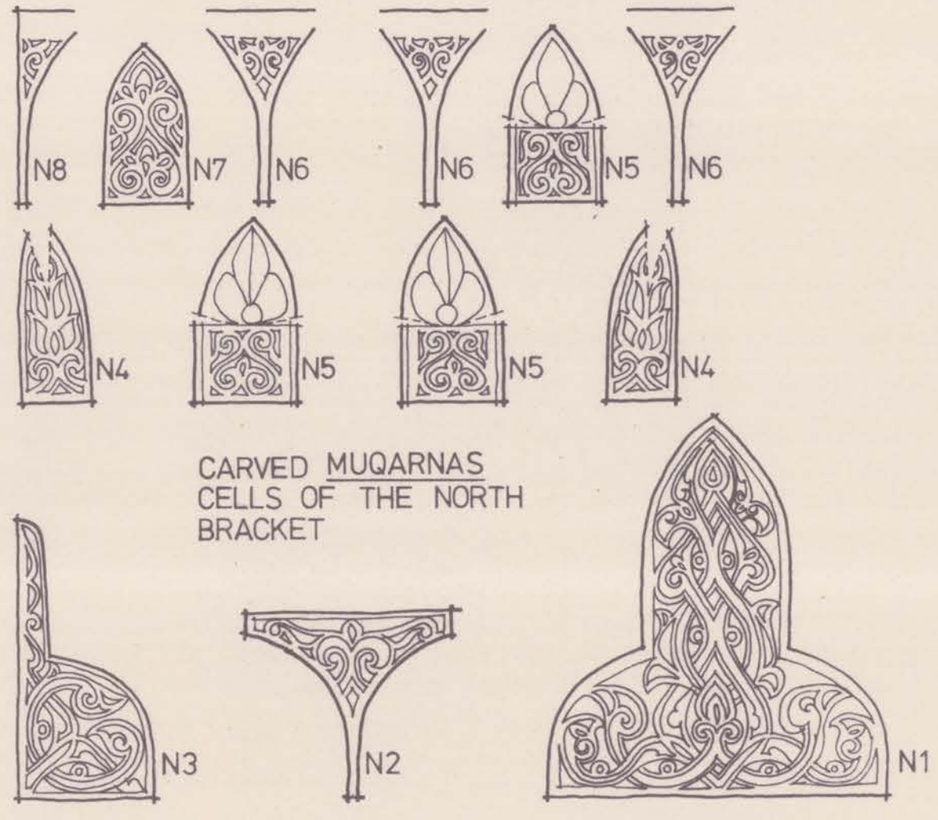



NORTH BRACKET SAḤN ELEVATION

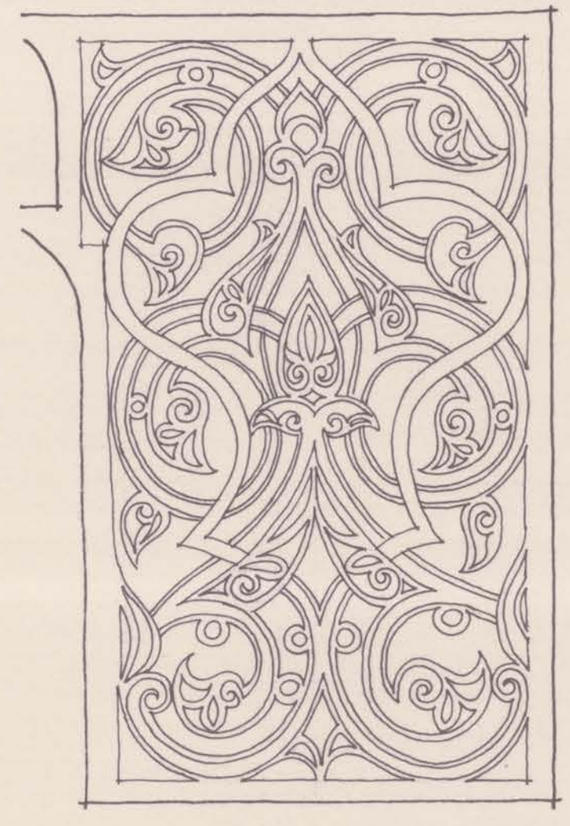





CARVED MUQARNAS CELLS OF THE SOUTH BRACKET



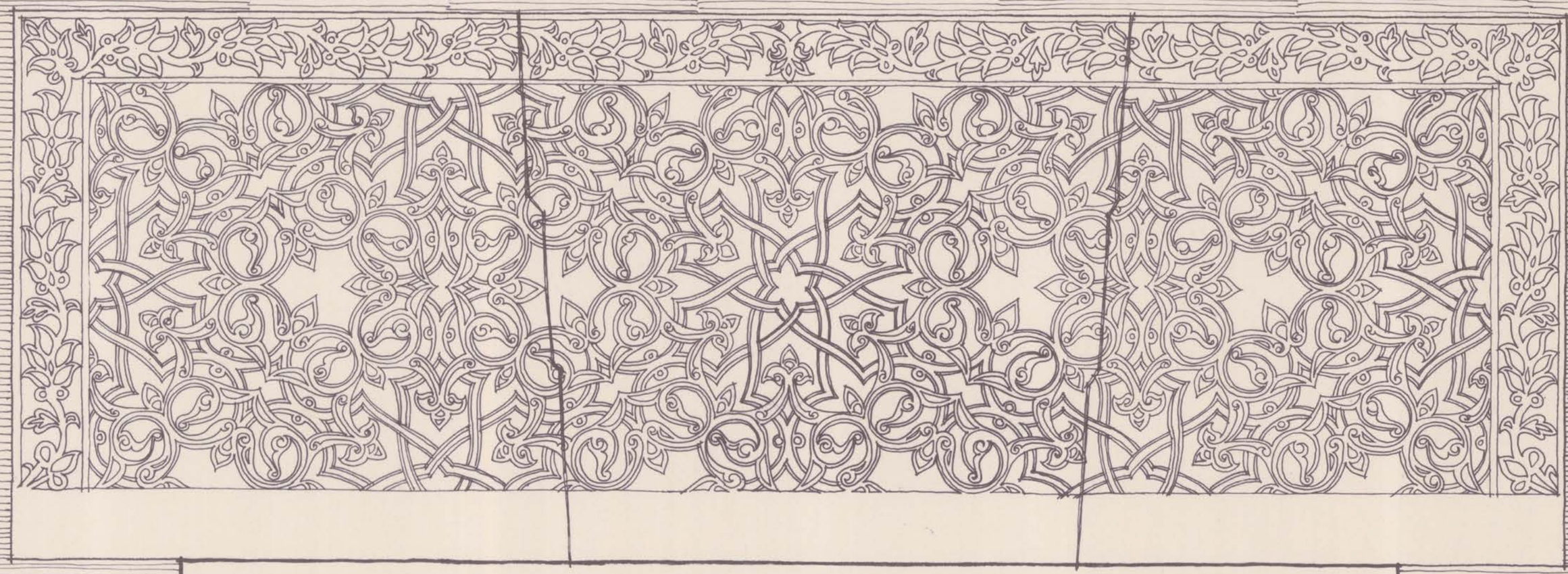

CARVED MUQARNAS CELLS OF THE NORTH BRACKET



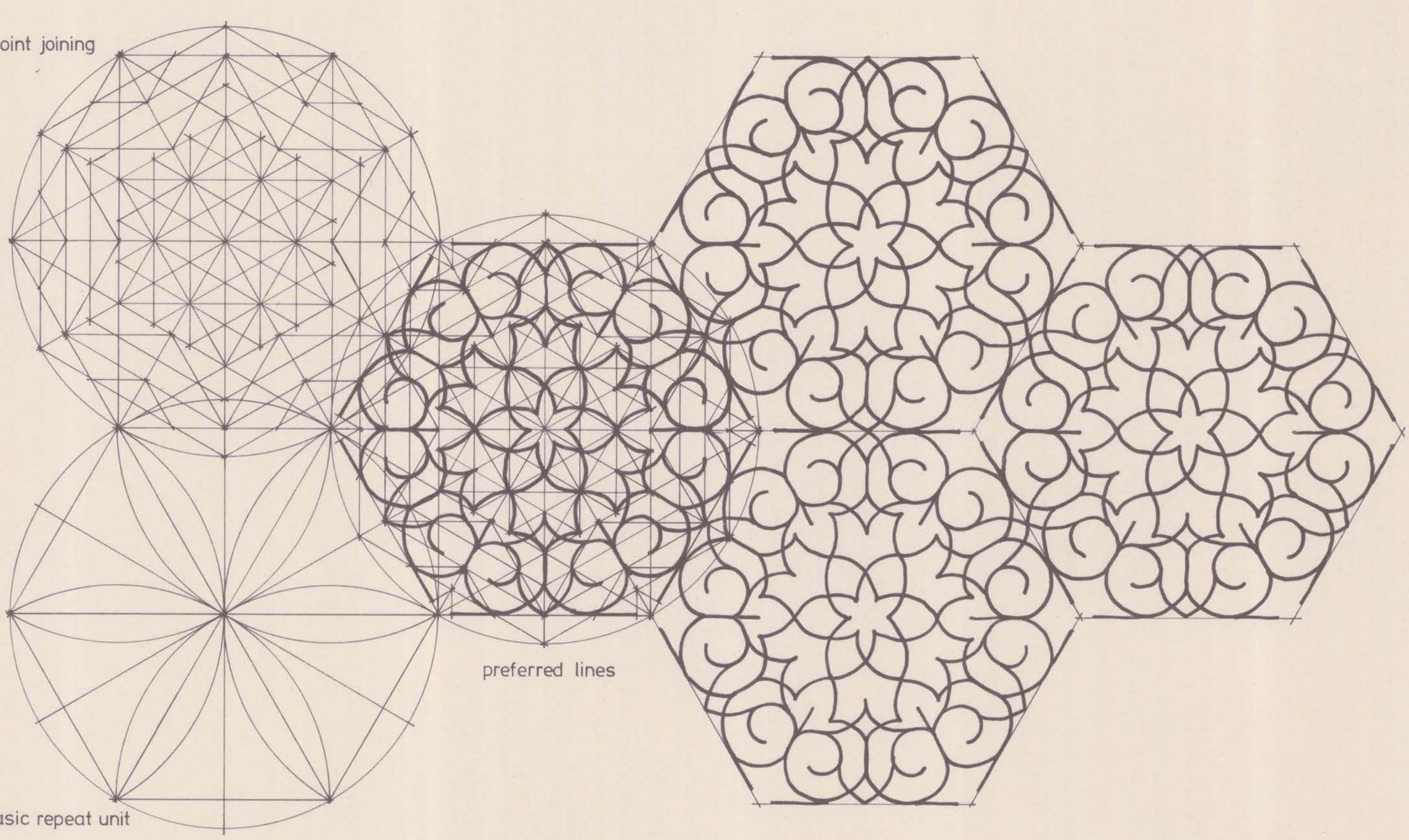
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
CURVILINEAR MUQARNAS BRACKETS TO THE SAḤN'S WEST ARCH.

DELT. A. GEORGE WALLS, M.Sc., ARIBA, ARIAS, F.S.A. (Scot.). '79.



point joining



preferred lines

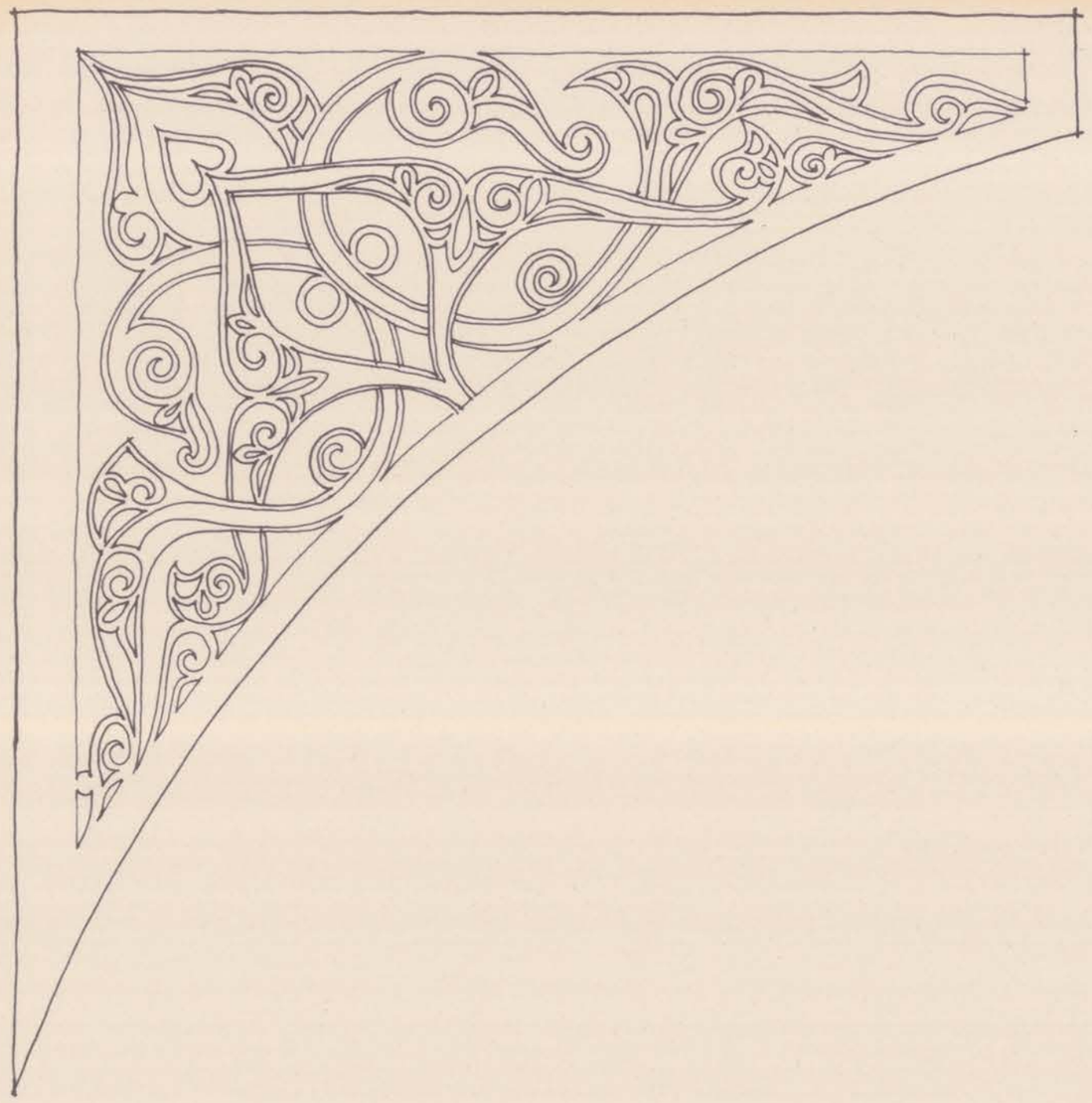
basic repeat unit

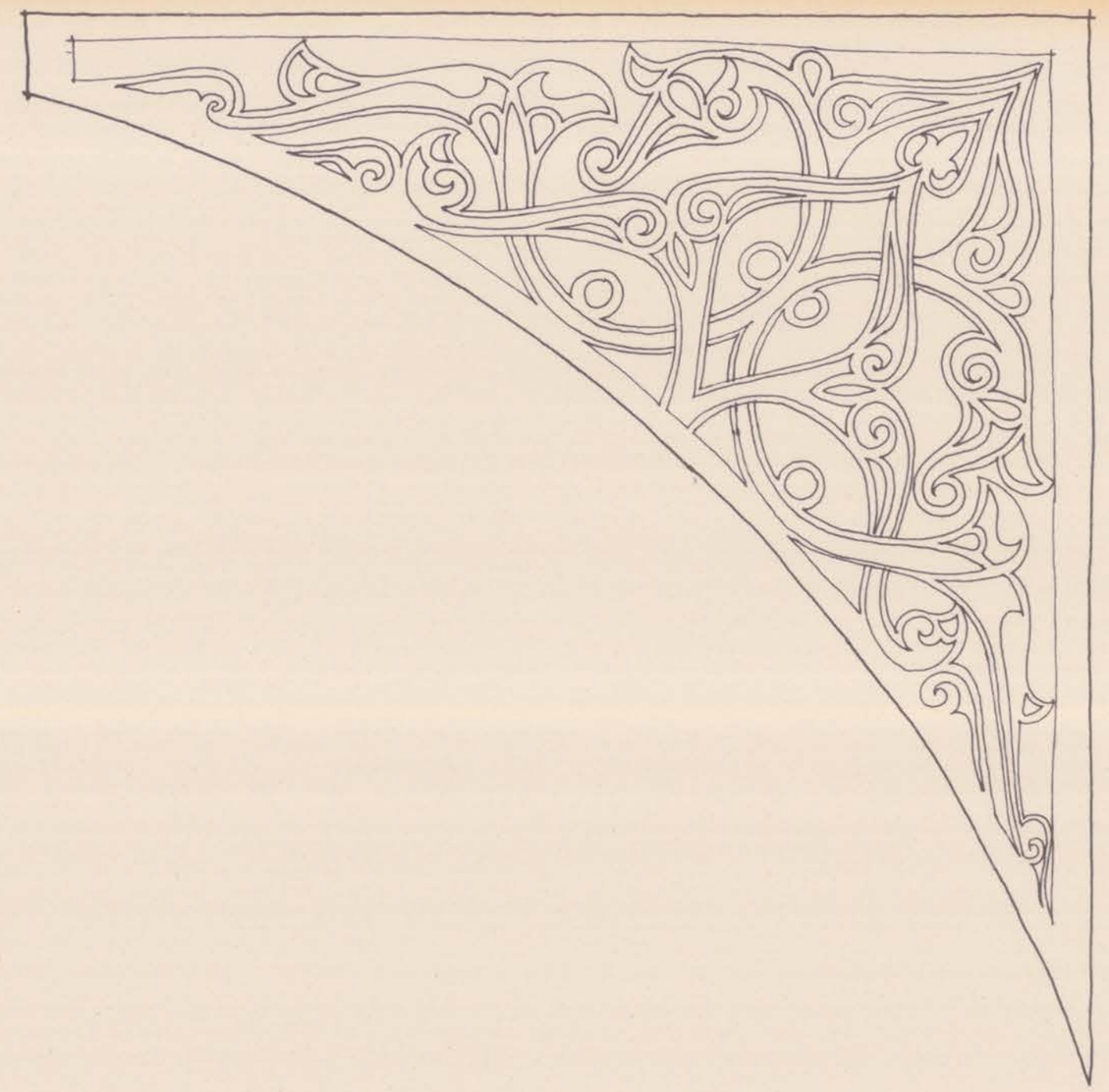
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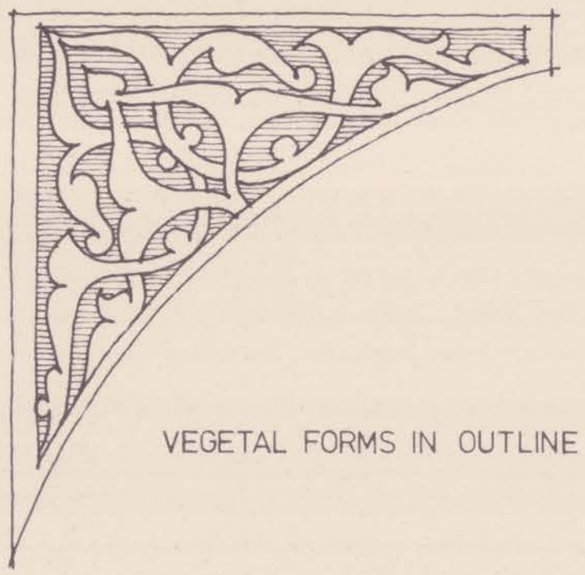
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
LINTEL OVER THE SAḤN'S SOUTH WEST DOOR.



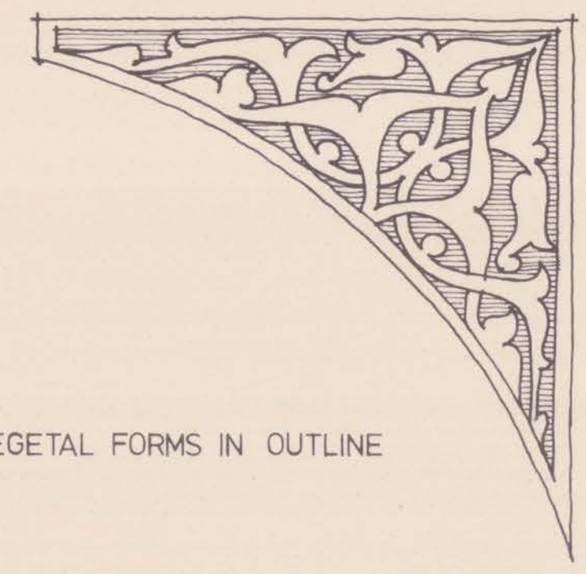
DELT. A. GEORGE WALLS, M.Sc, RIBA, AMIAS, FSA SCOT. 1:1 '79.







VEGETAL FORMS IN OUTLINE

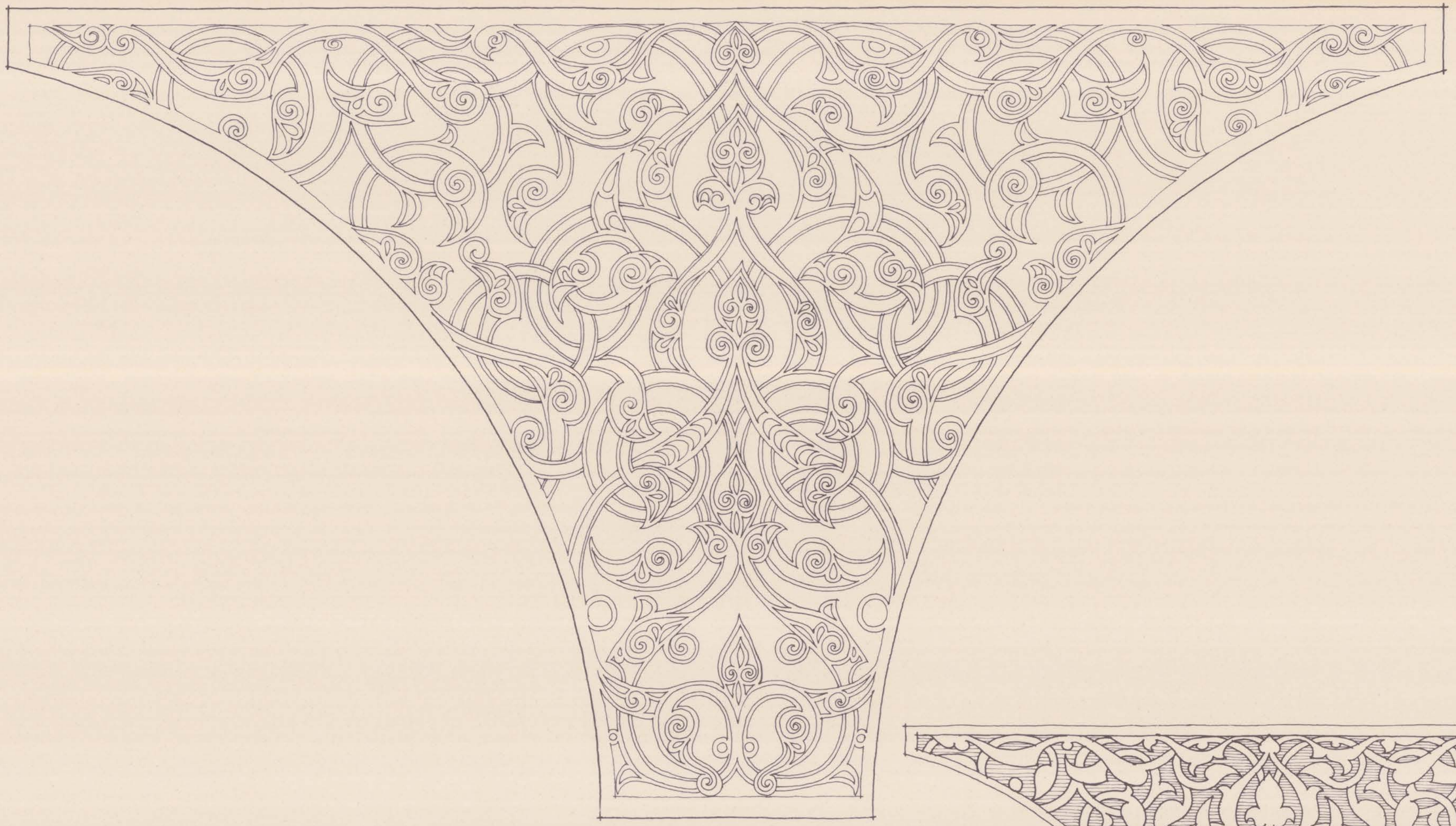


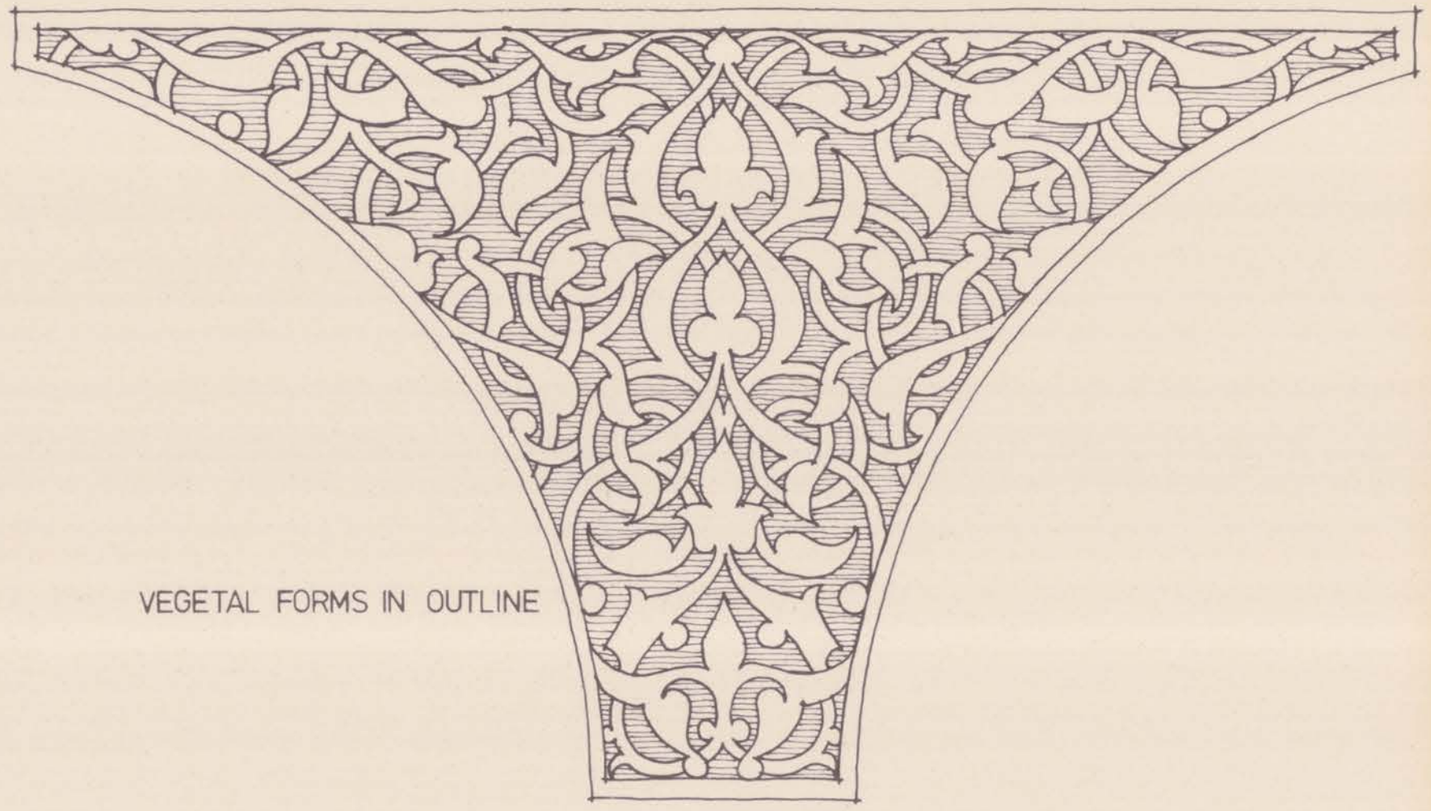
VEGETAL FORMS IN OUTLINE

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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SPANDRELS 'A' AND 'D' IN THE WEST WALL OF THE QIBLA ĪWĀN.

DRCT. A. GEORGE WALLS, M.SC., A.R.I.B.A., A.R.I.A., F.S.A. (SCOT.) 79



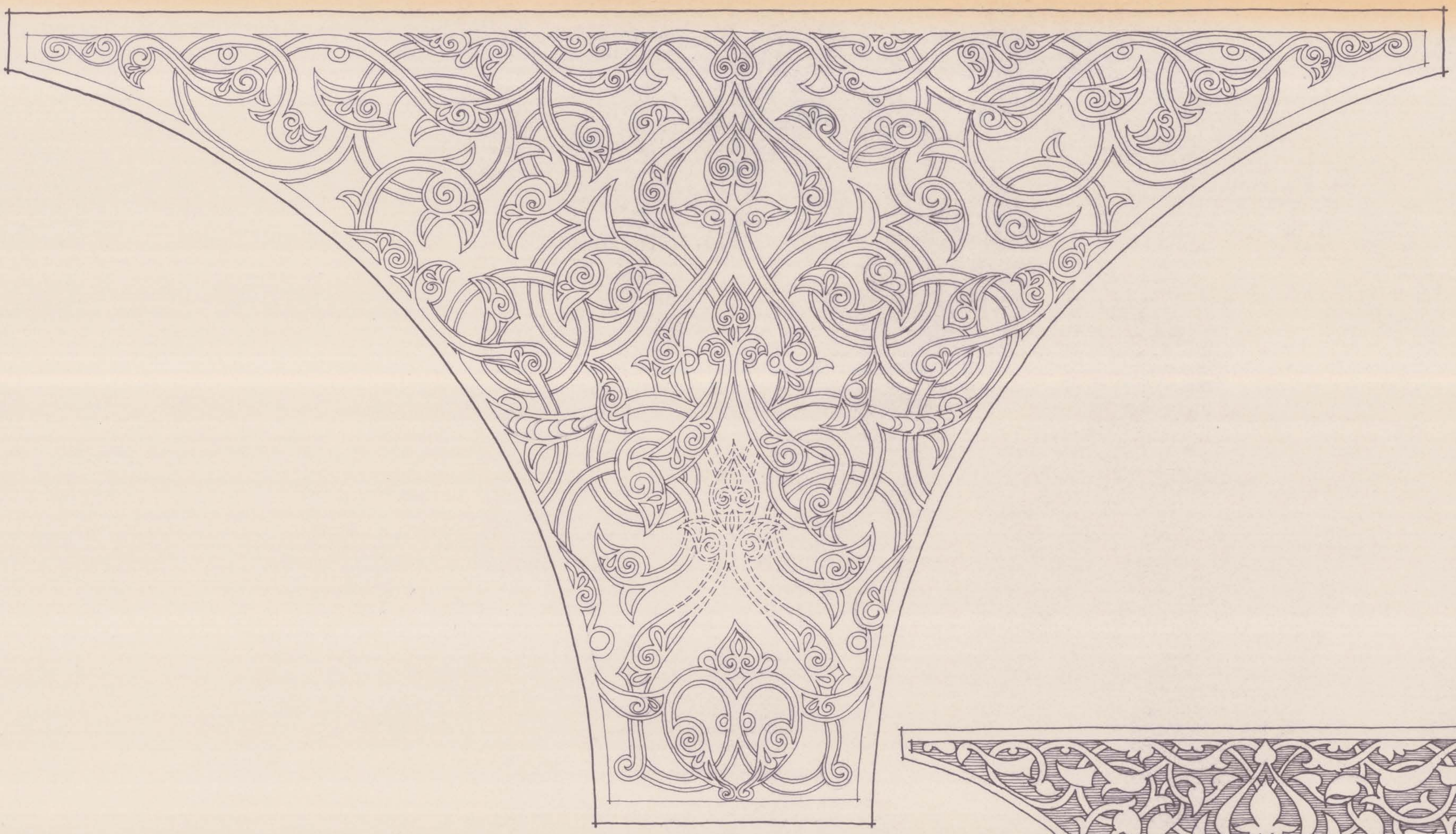


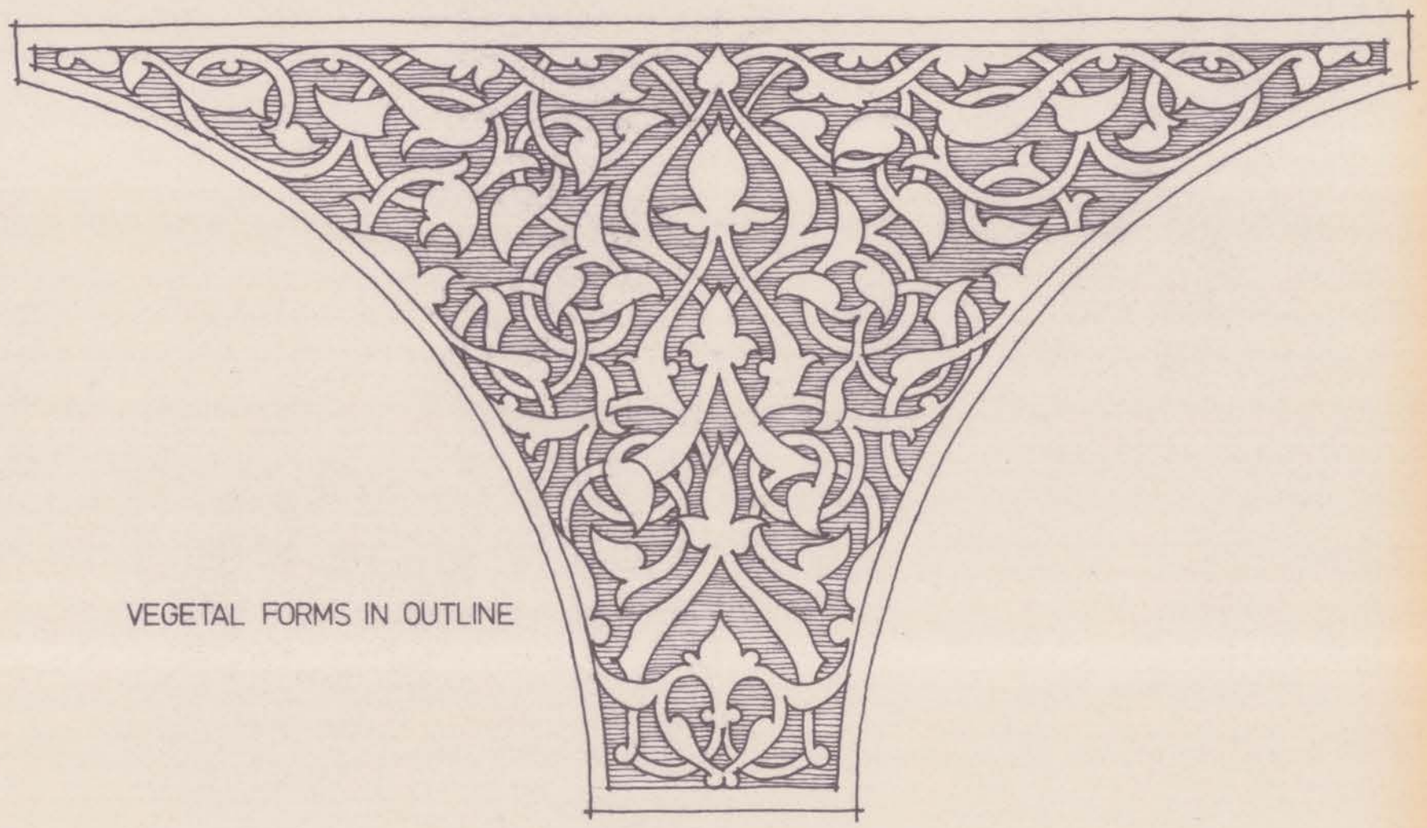
VEGETAL FORMS IN OUTLINE

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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'B' IN THE WEST WALL OF THE QIBLA ĪWĀN.

DELT. J. GEORGE HOLLIS, M.SC., ARIBA, MRIAS, FSA (Scot). 1/79.





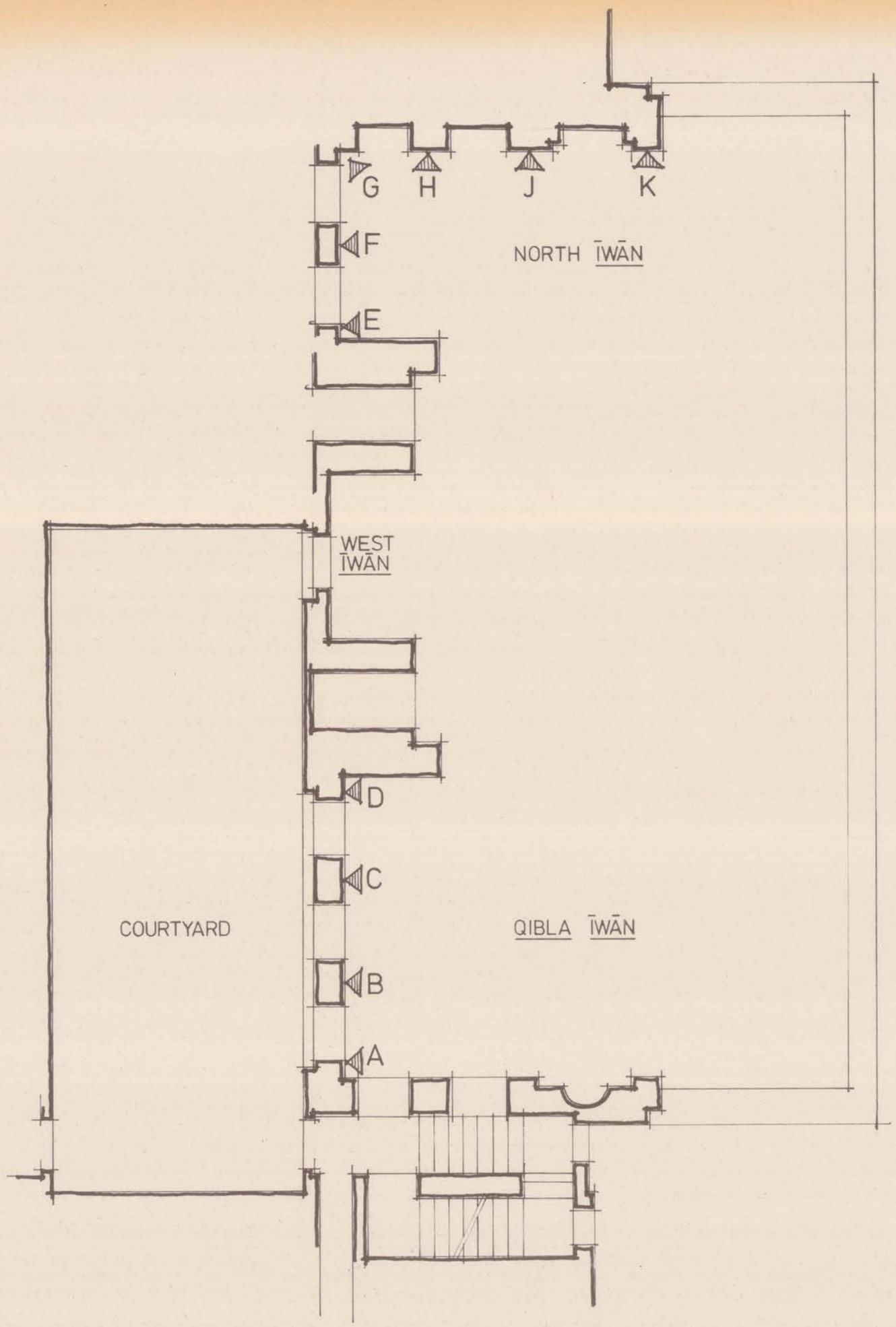
VEGETAL FORMS IN OUTLINE

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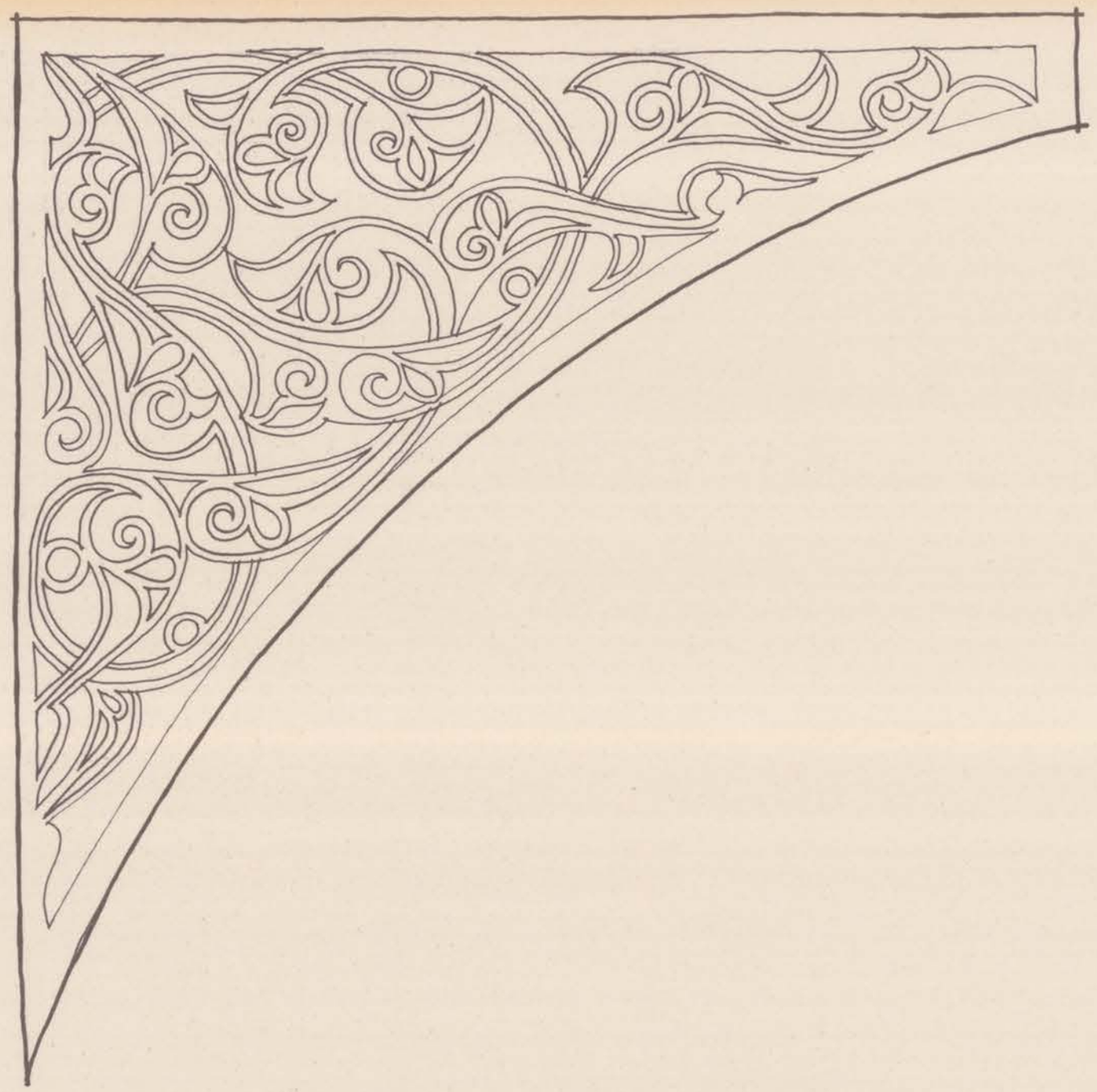
67

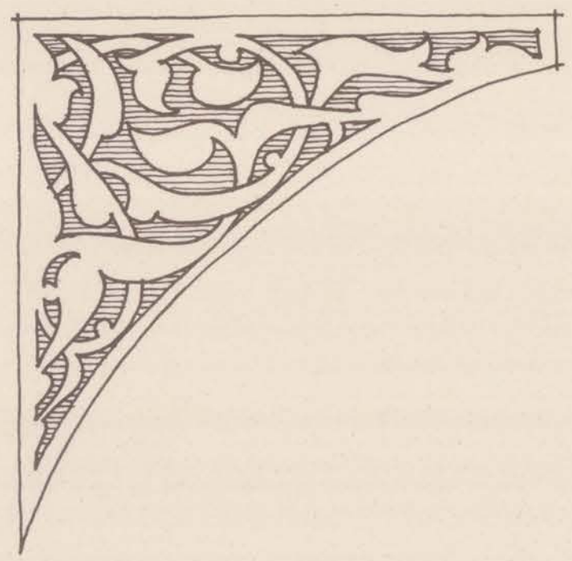
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'C' IN THE WEST WALL OF THE QIBLA ĪWĀN.

DELT. A. GEORGE WALLIS, M.Sc, ARIBA, ARIAS, FSA (Scot) '79.




DISPOSITION OF DECORATED SPANDRELS WITHIN THE MADRASA





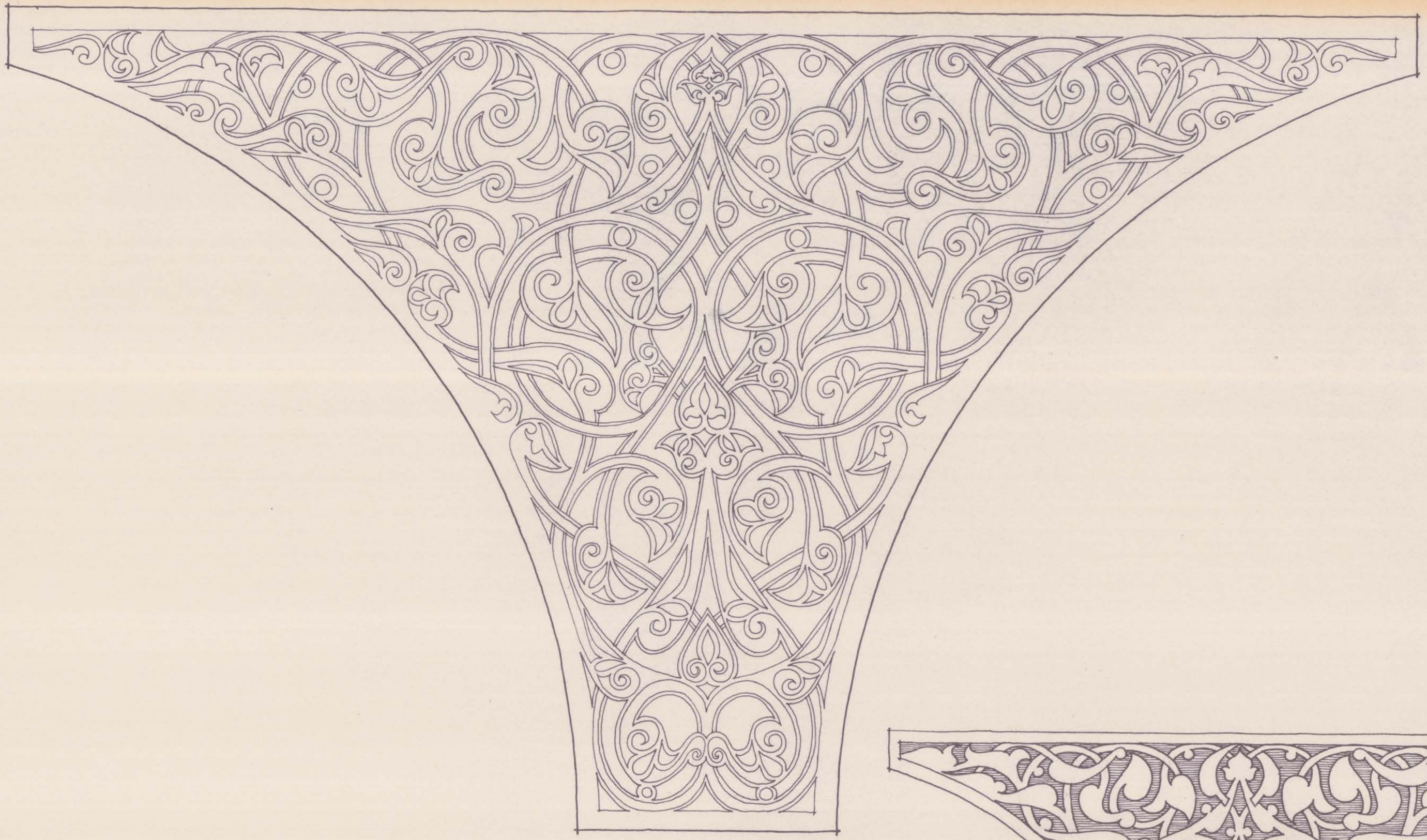
VEGETAL FORMS IN OUTLINE

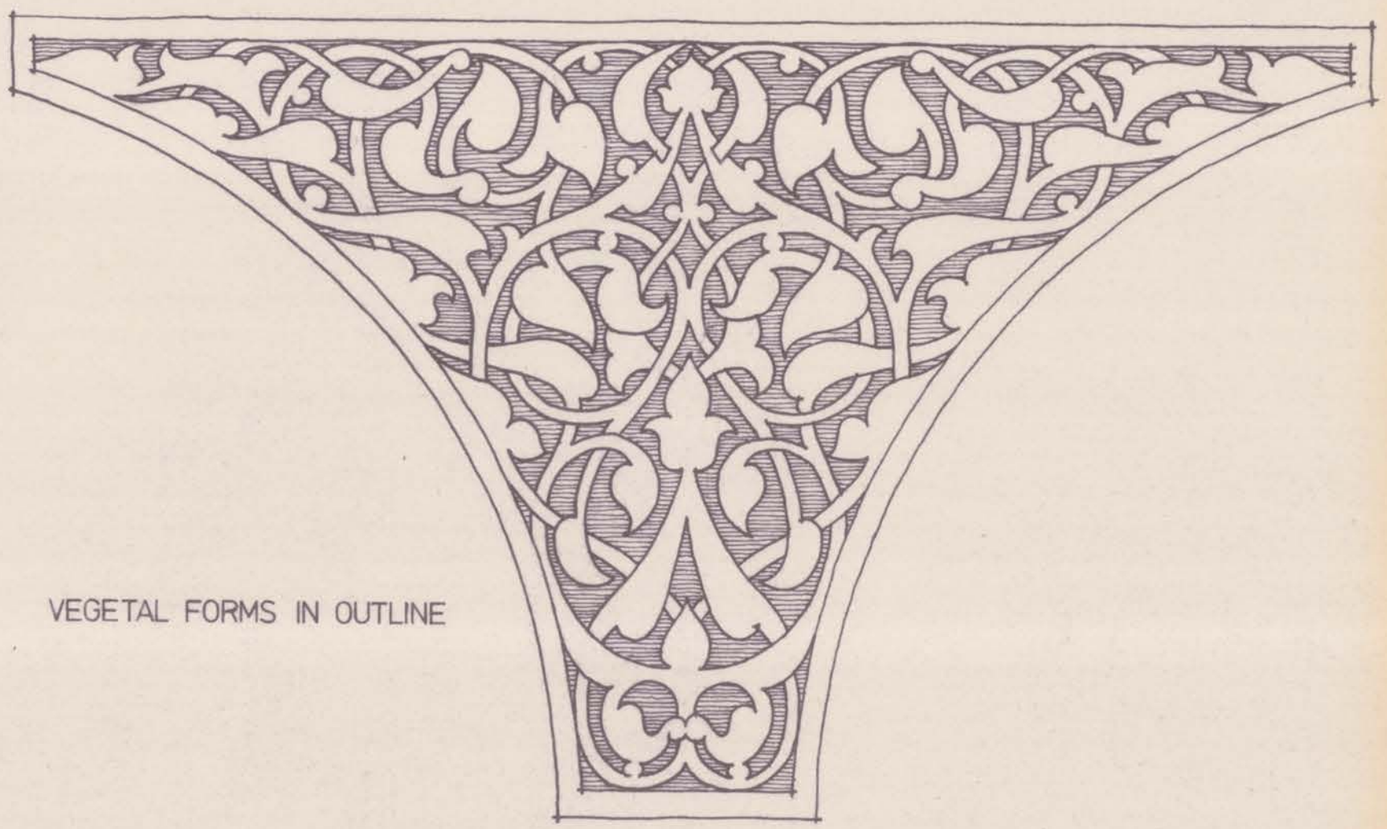
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SPANDREL 'E' IN THE WEST WALL OF THE NORTH ĪWĀN

DELT. A.GREGORIE WALLS, M.SE, ARIBA, AMIAS F.S.A. (SCOT.)



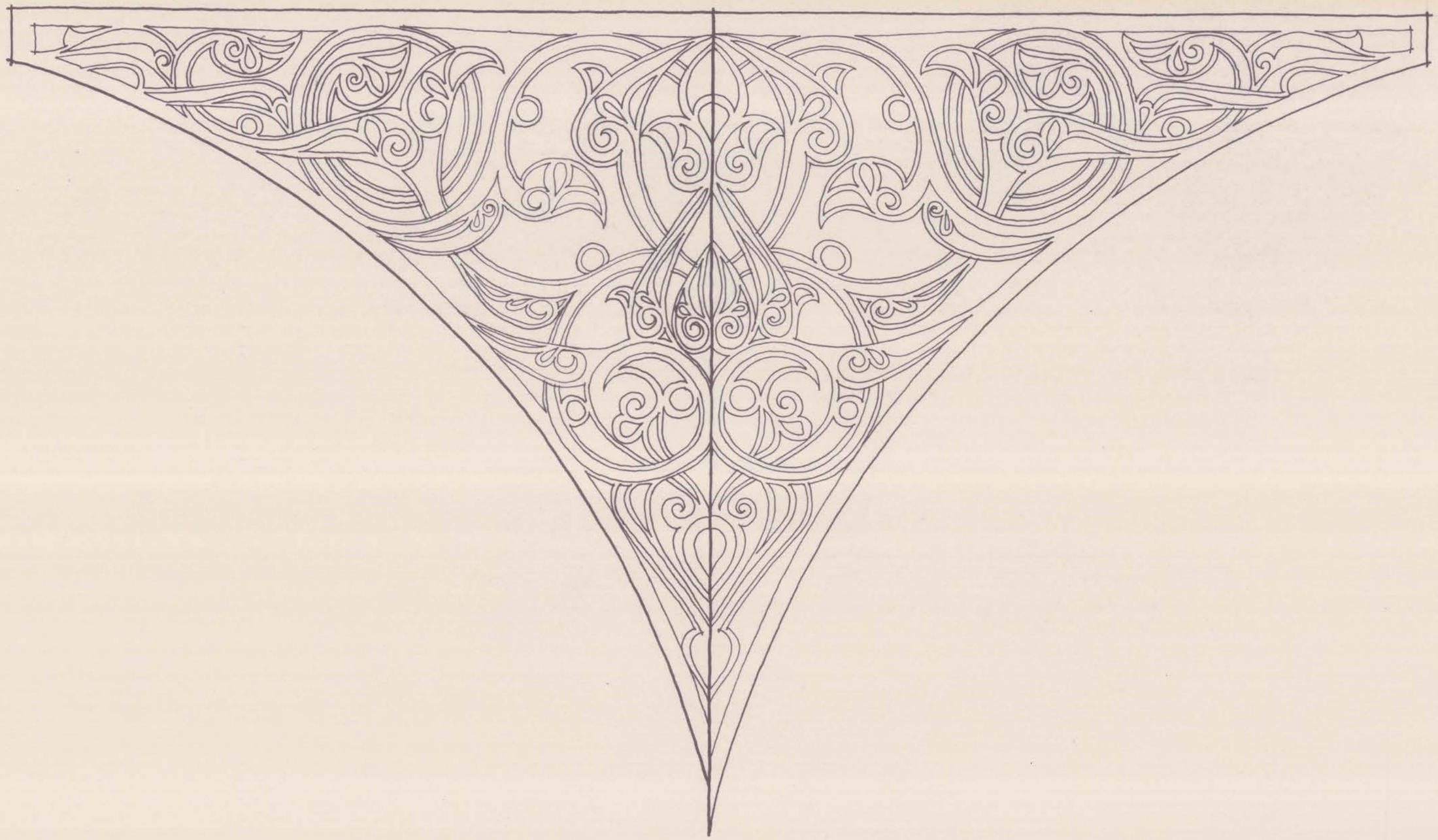


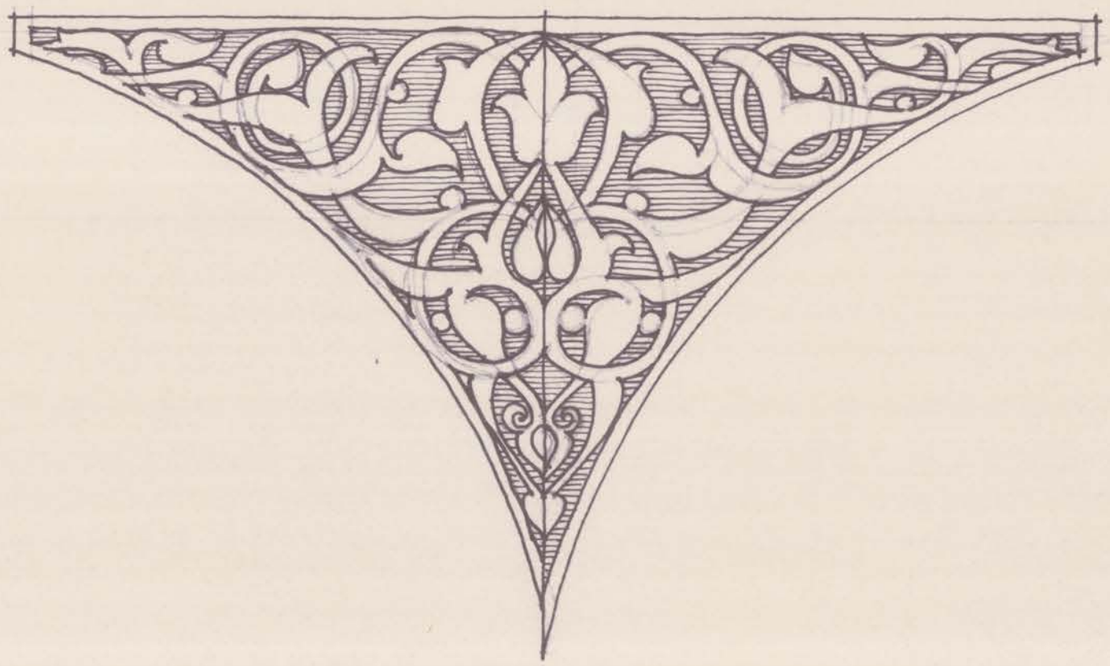
VEGETAL FORMS IN OUTLINE

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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'F' IN THE WEST WALL OF THE NORTH ĪWĀN.

DELT. A. GEORGE WALLS. M.SC, ARIBA, MRTPI. 1/79

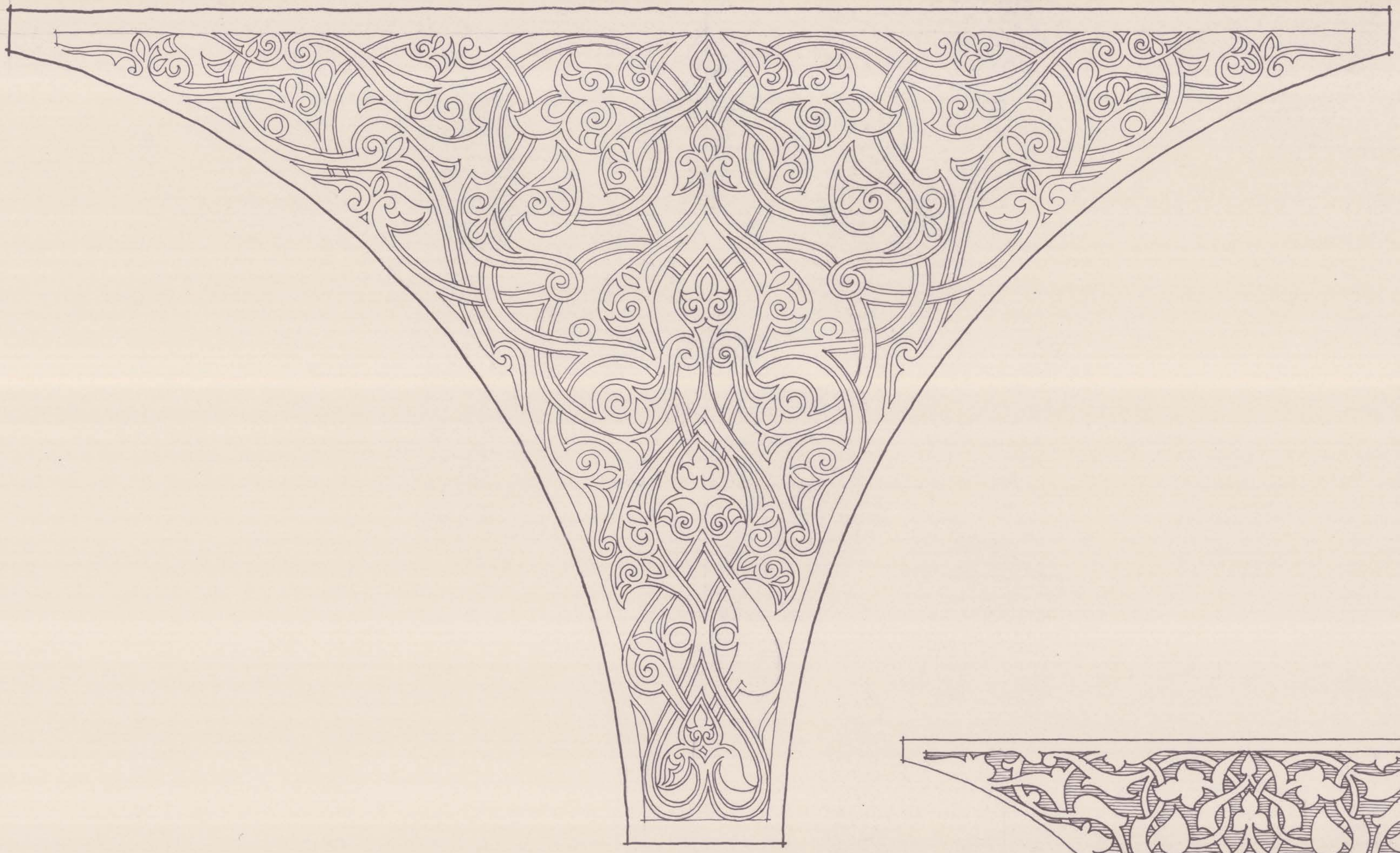


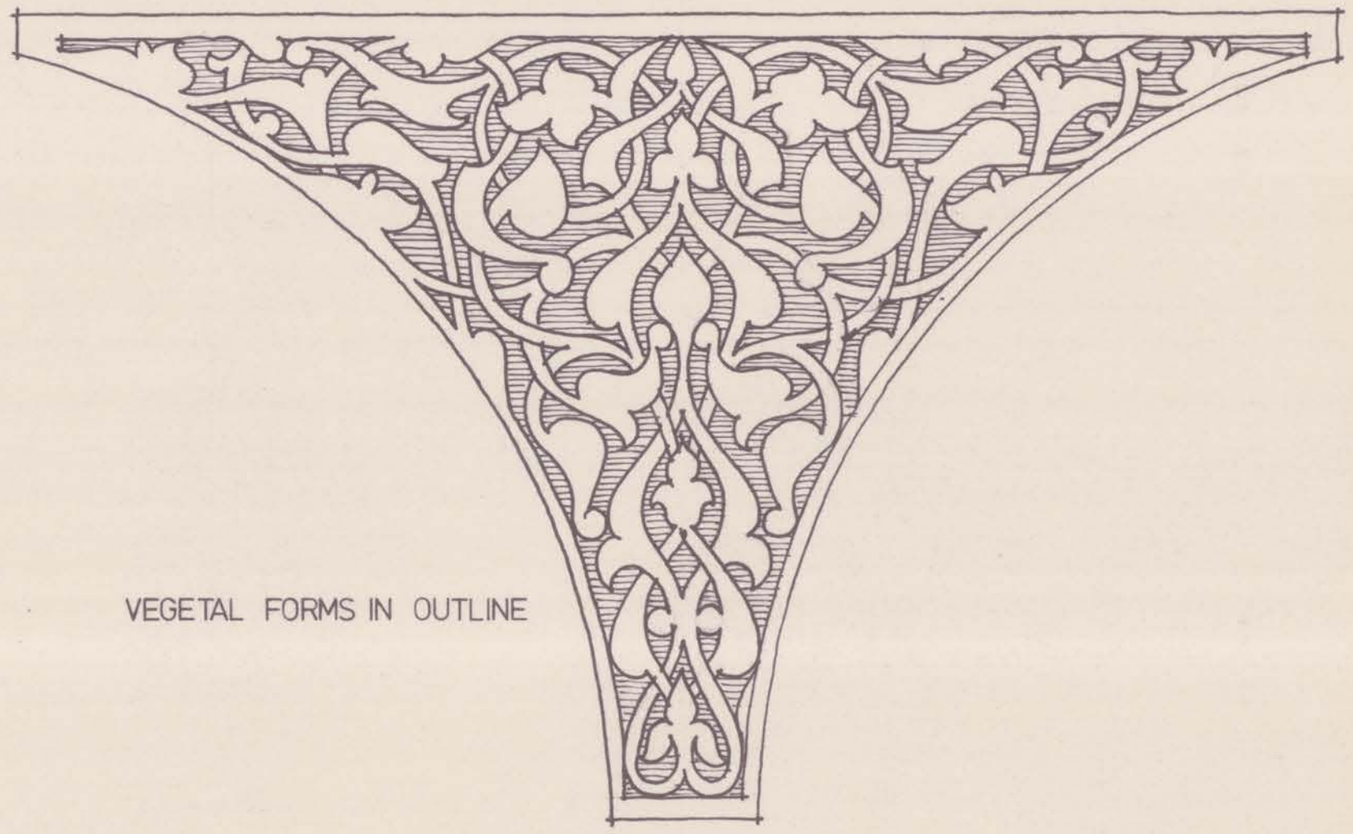


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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'G' AT THE NORTH-WEST CORNER OF THE NORTH ĪWĀN.

DELT. A. GEORGE WALLS, M.S. ARIBA, AKIAS, F.S.A. (Scot.) '79.





VEGETAL FORMS IN OUTLINE

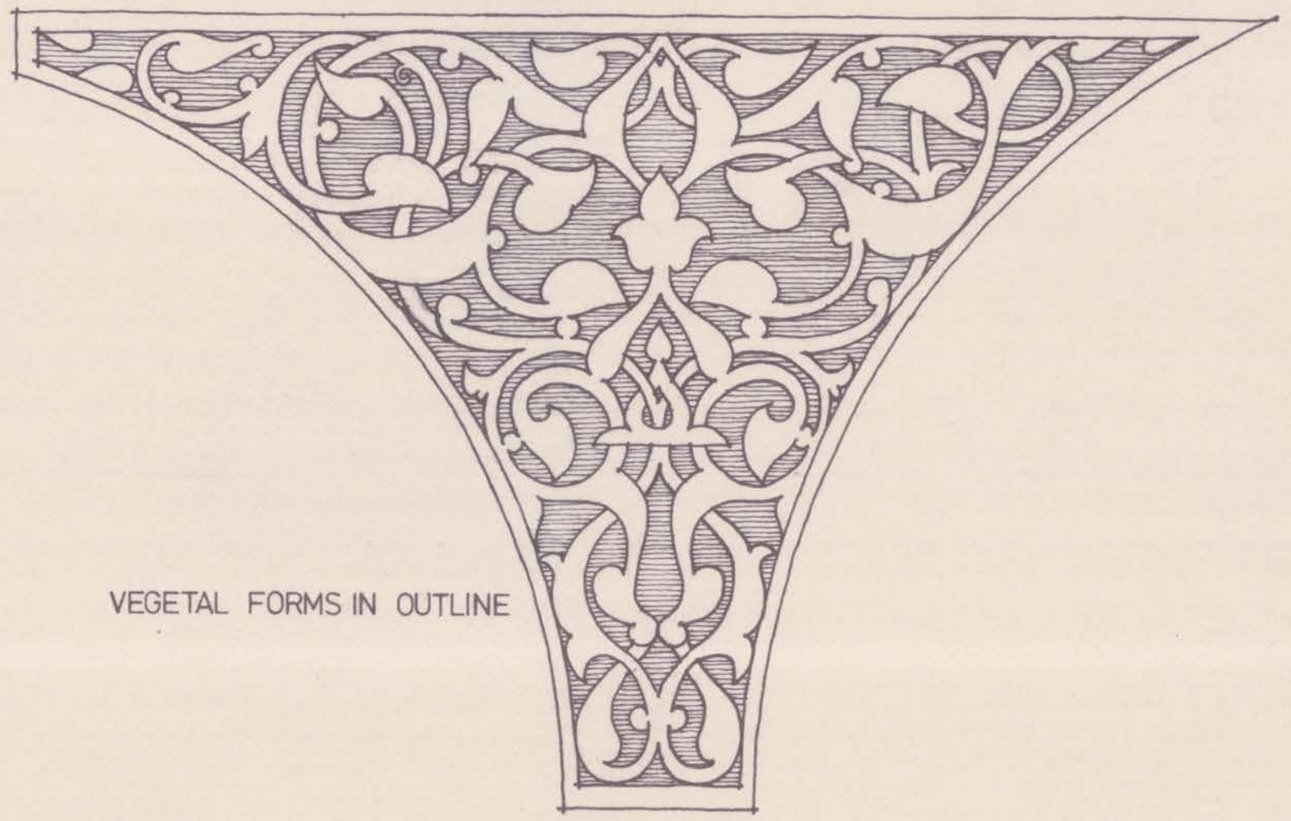
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MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'H' IN THE NORTH WALL OF THE NORTH ĪWĀN.

DELT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A. (Scot.) '79



RIBBON IN OUTLINE

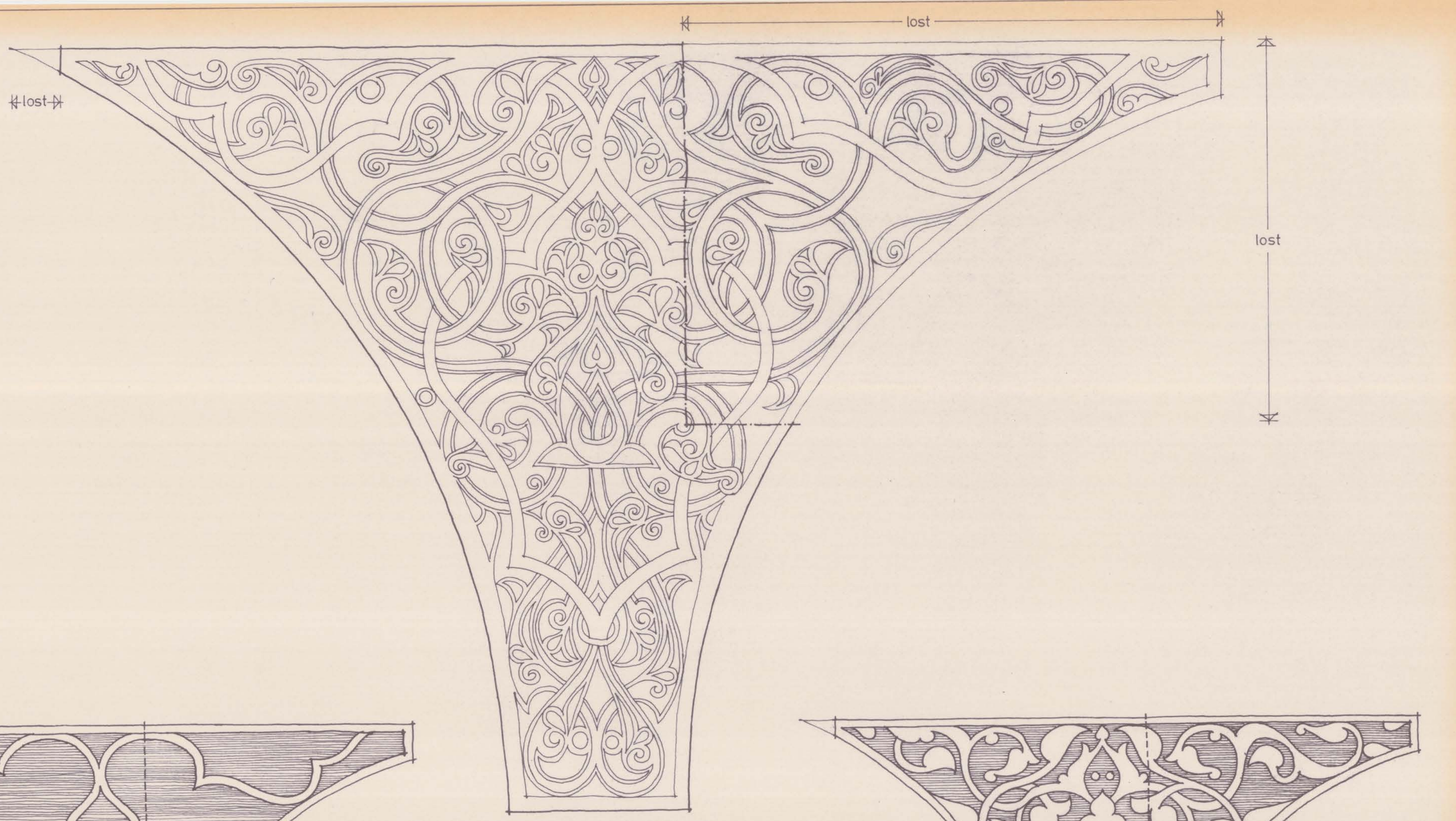


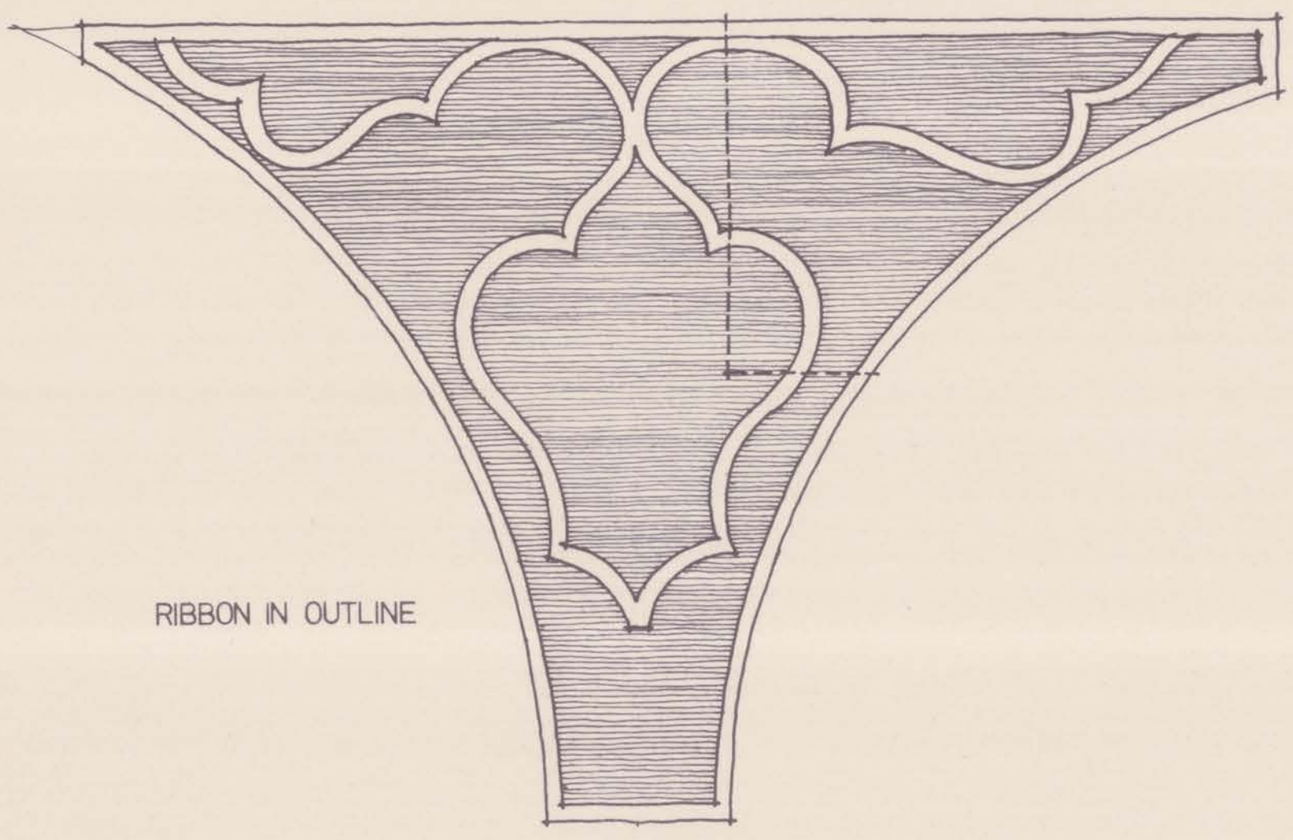
VEGETAL FORMS IN OUTLINE

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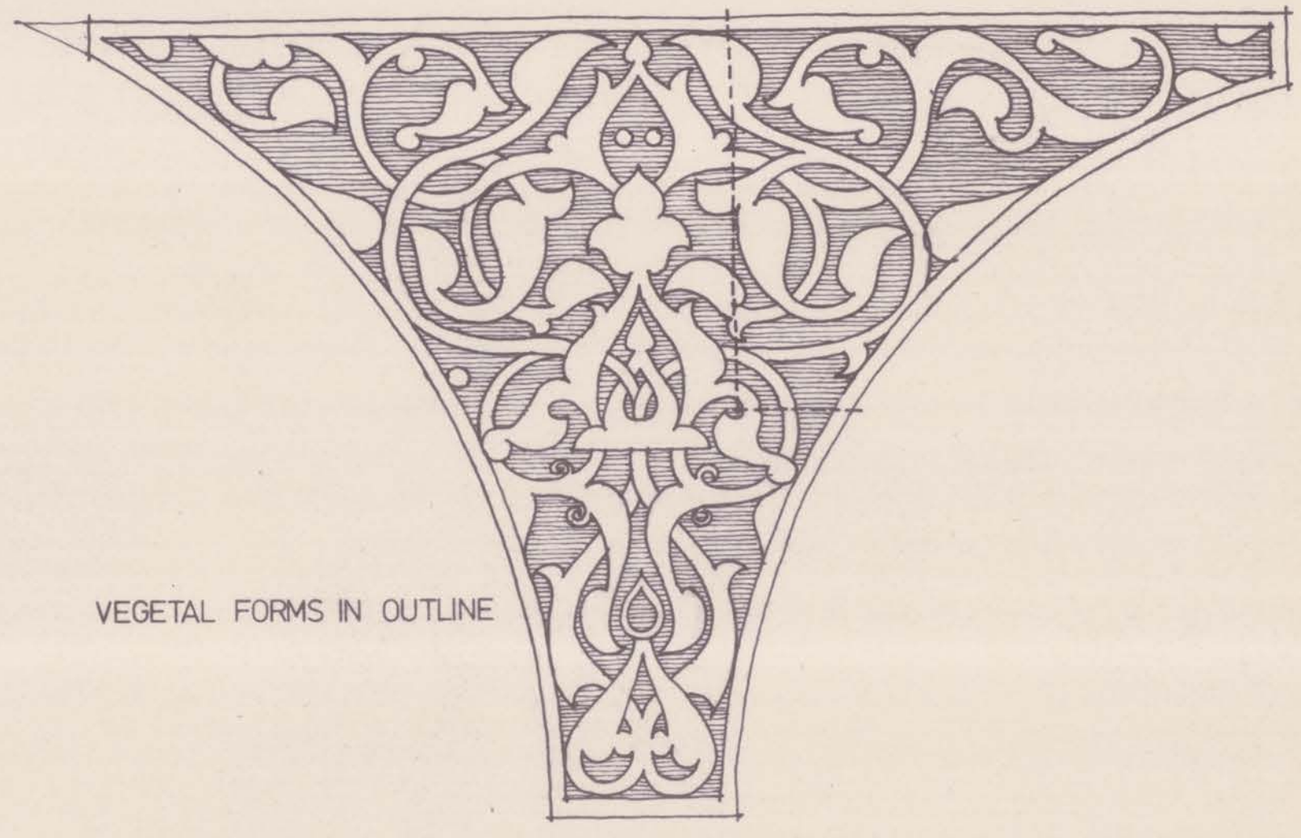
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'J' IN THE NORTH WALL OF THE NORTH ĪWĀN.

DELT. A. GEORGE WALLS, M.SC. ARIBA, AMIAS. '70.



RIBBON IN OUTLINE



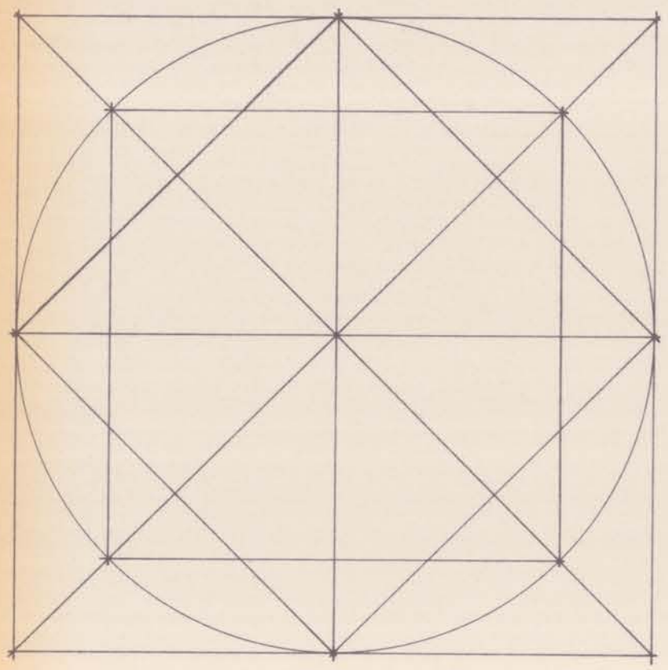
VEGETAL FORMS IN OUTLINE

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

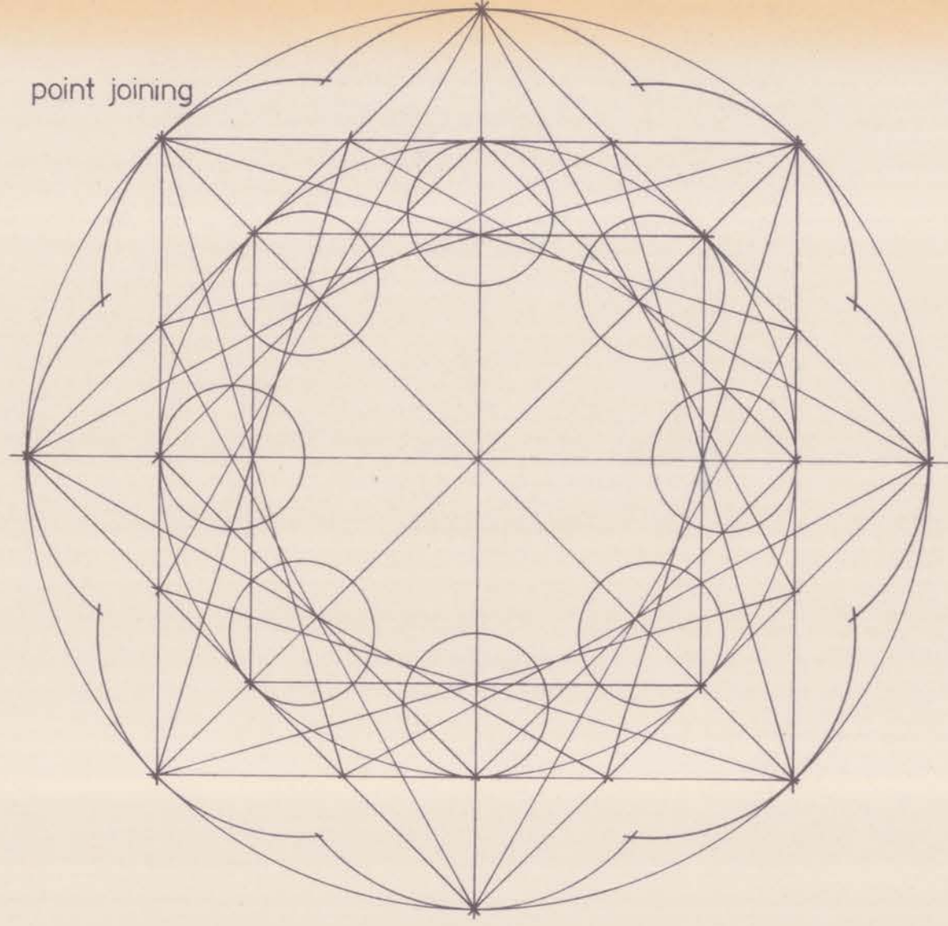
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
DOUBLE SPANDREL 'K' IN THE NORTH WALL OF THE NORTH ĪWĀN.

DELT. A. GEORGE WALLS, M.Sc, AR.I.B.A., A.R.I.A.S., F.S.A. (Scot.) '79

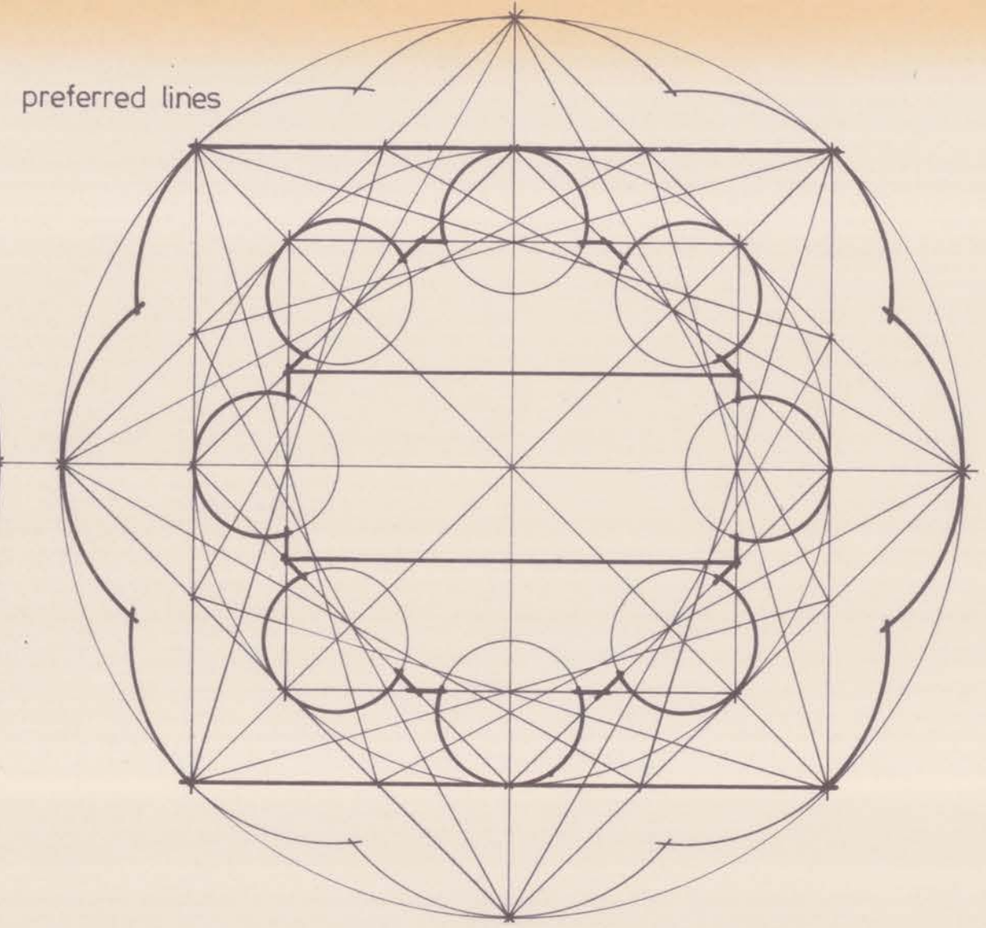
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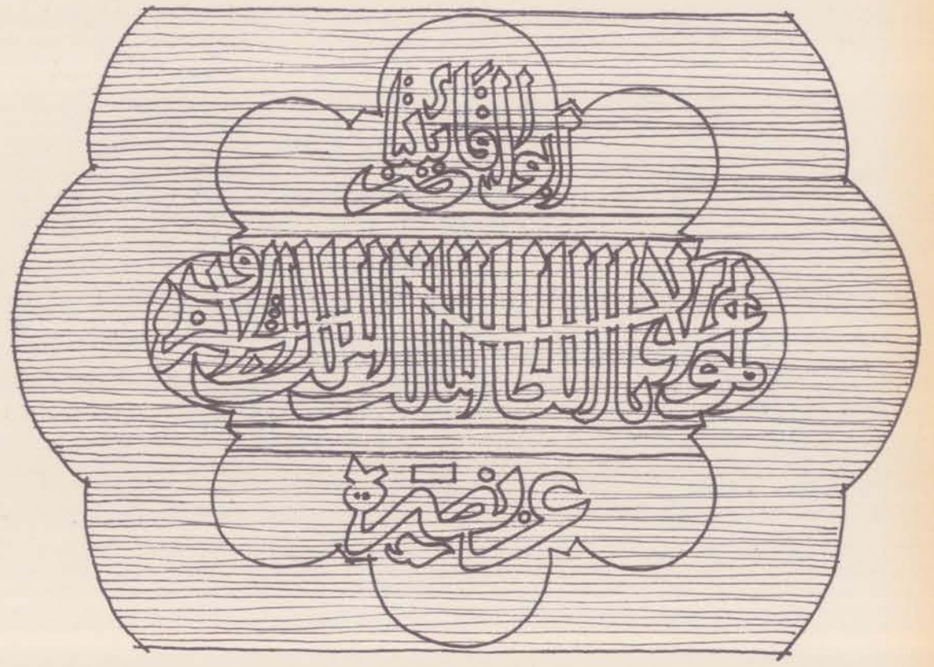


point joining



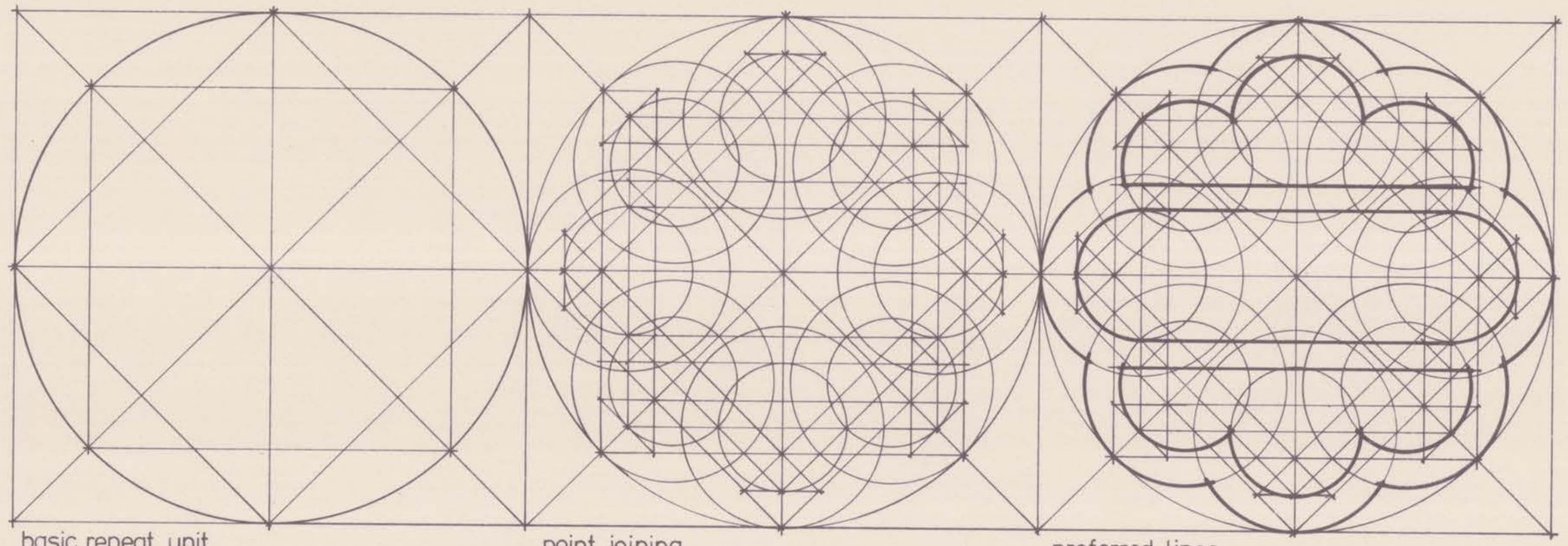
preferred lines





SHEILD ABOVE THE MIḤRAB AND AT THE CENTRE OF THE NORTH WALL

SHEILD AT THE CENTRE OF THE WEST WALL OF THE QIBLA ĪWĀN

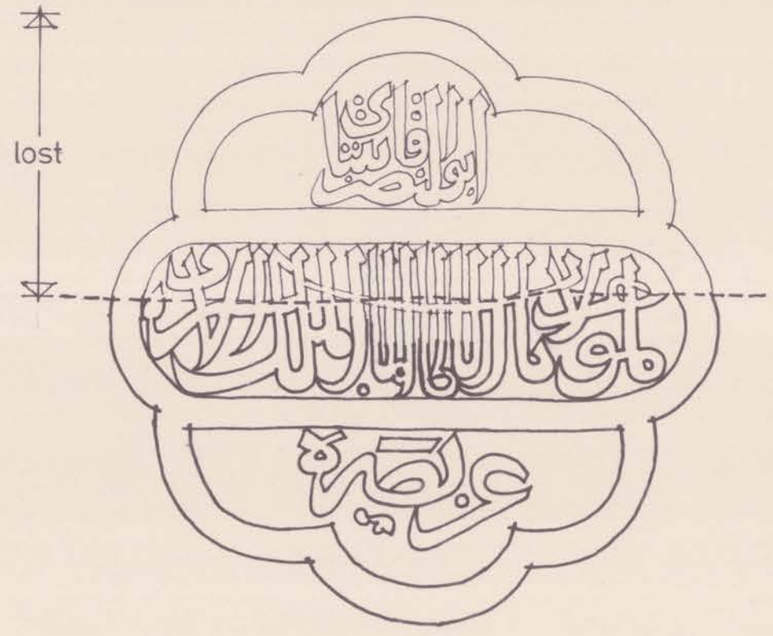


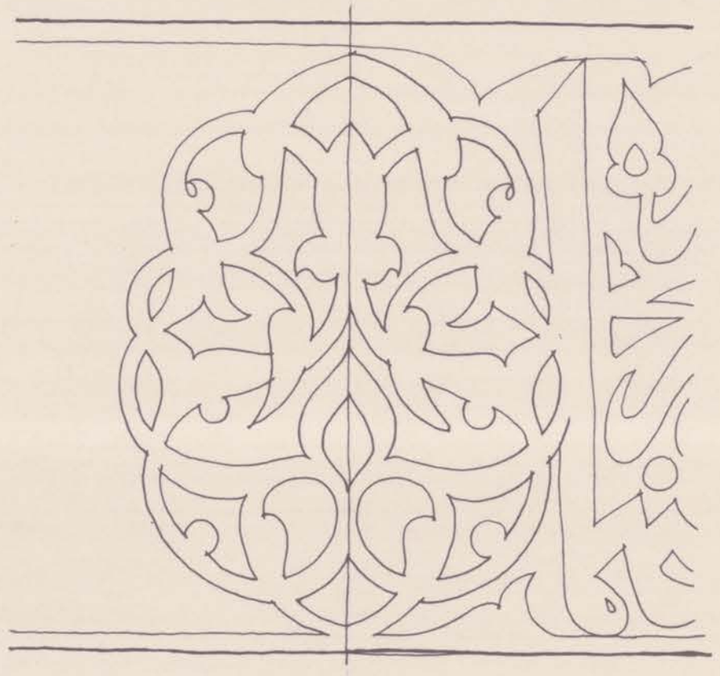
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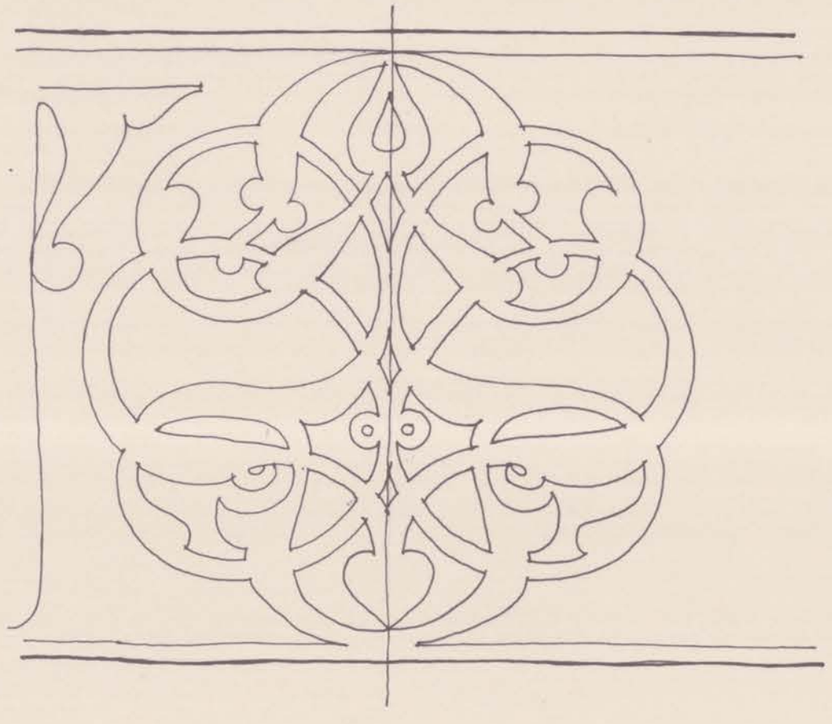
point joining

preferred lines

lost



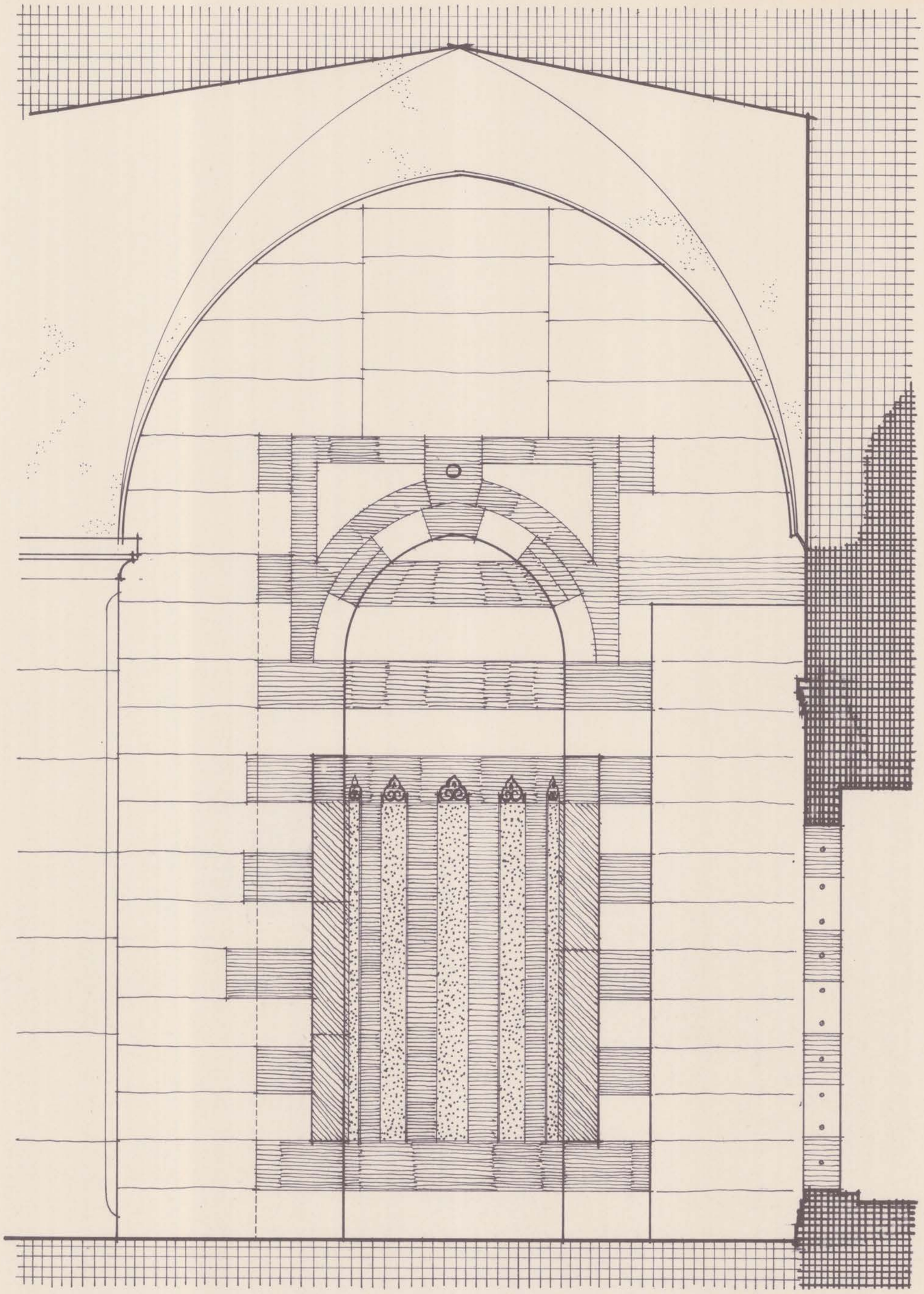




0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
SHEILDS AND ARABESQUES INTERRUPTING THE GRAND INSCRIPTION.

DRLT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A. (SCOT.). 6.79.



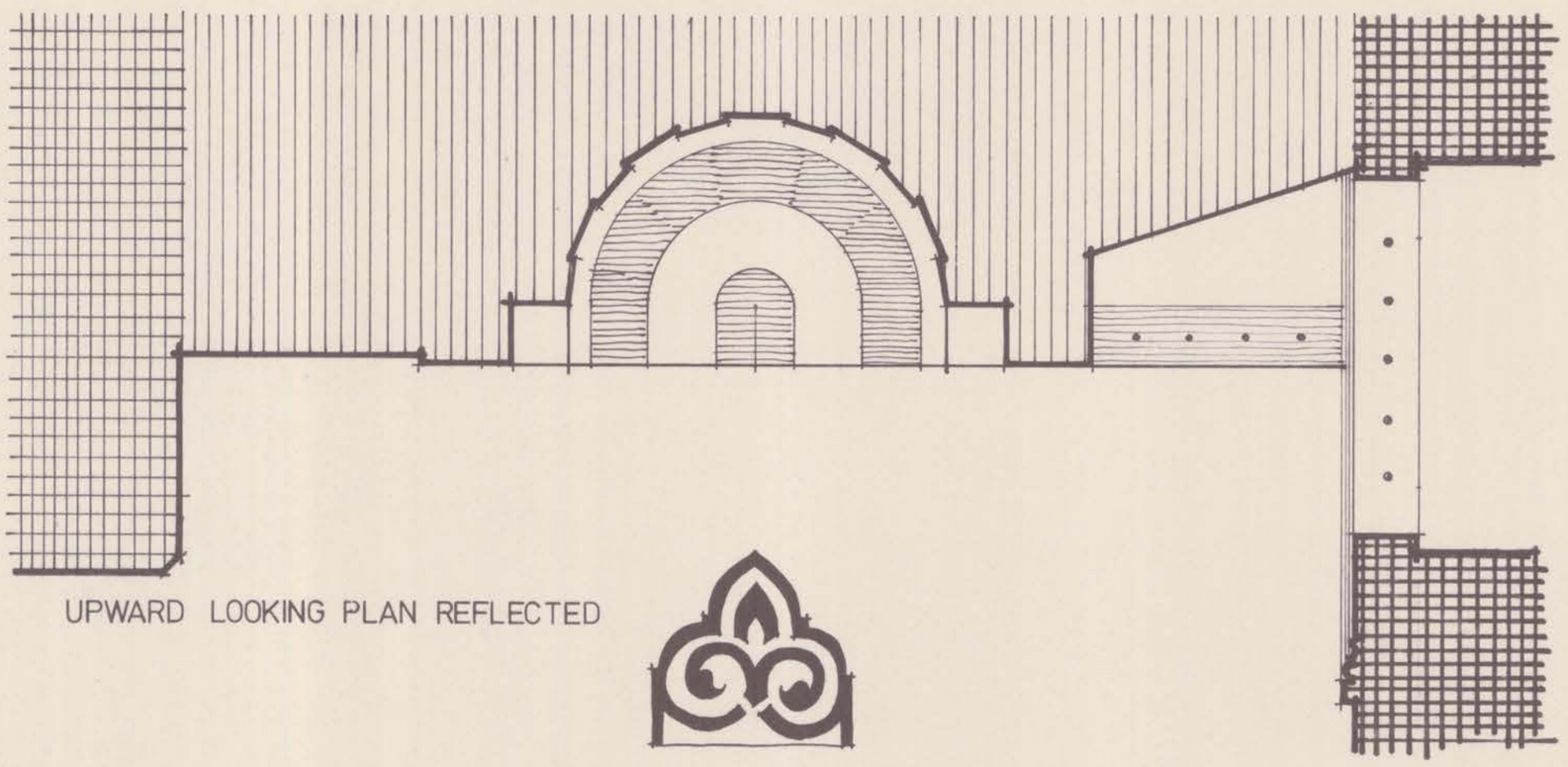
colour codes

red

yellow

grey

ELEVATION



UPWARD LOOKING PLAN REFLECTED



0·1 0 0·1 0·2 m.

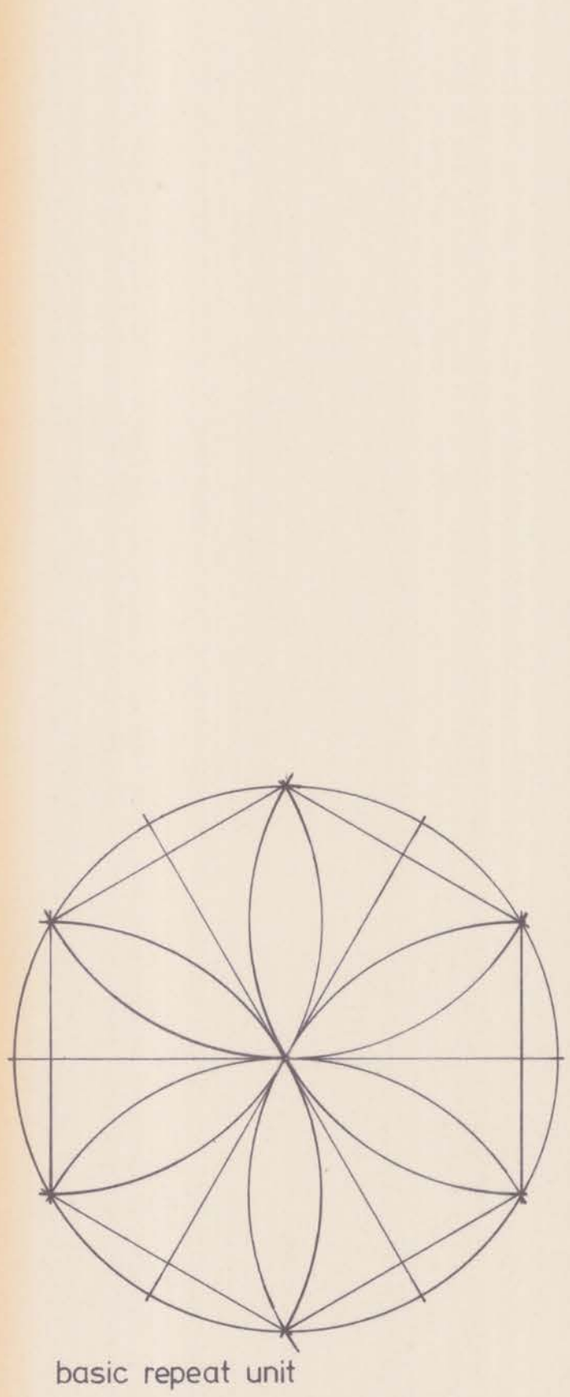
INLAID TERMINAL

1 0 1 2m.

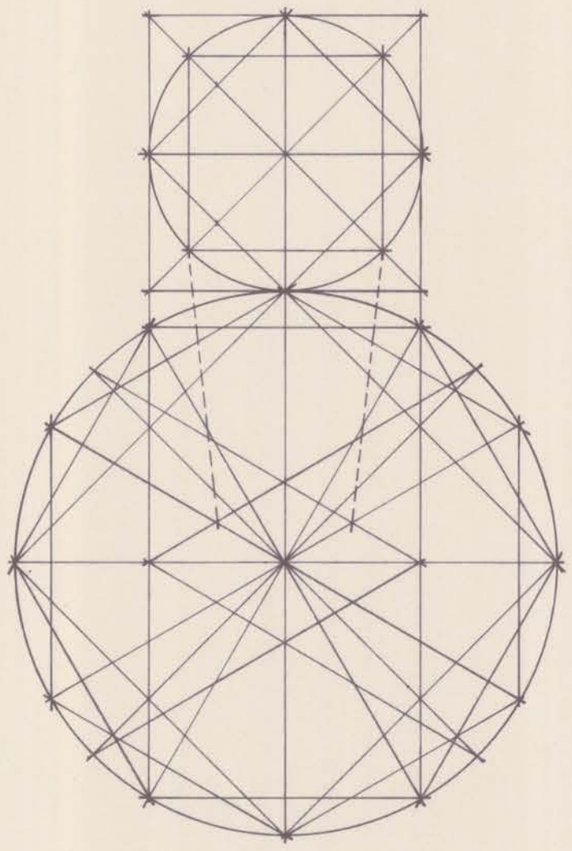
MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
MIḤRĀB IN MAJMA$^{C}$.

S7

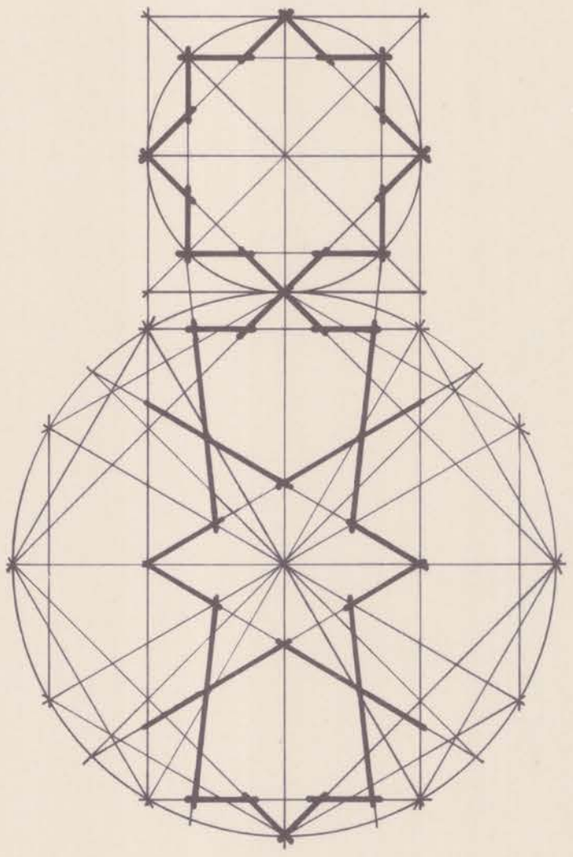
DECT. A. GEORGE WALLS, M.Sc, ARUBA, ARIAS, FSA SCOT. 1/79.



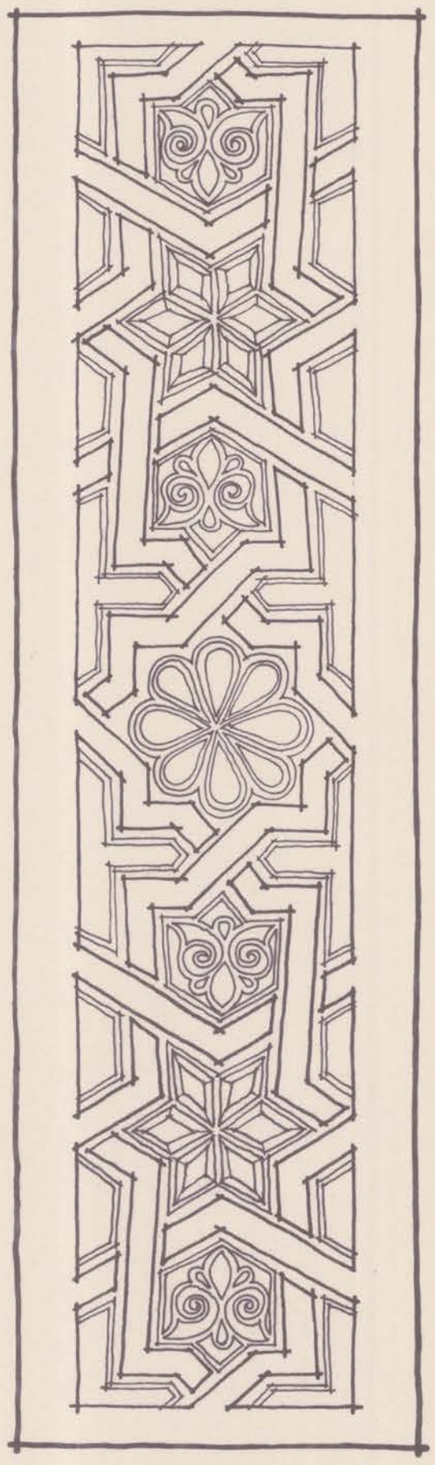
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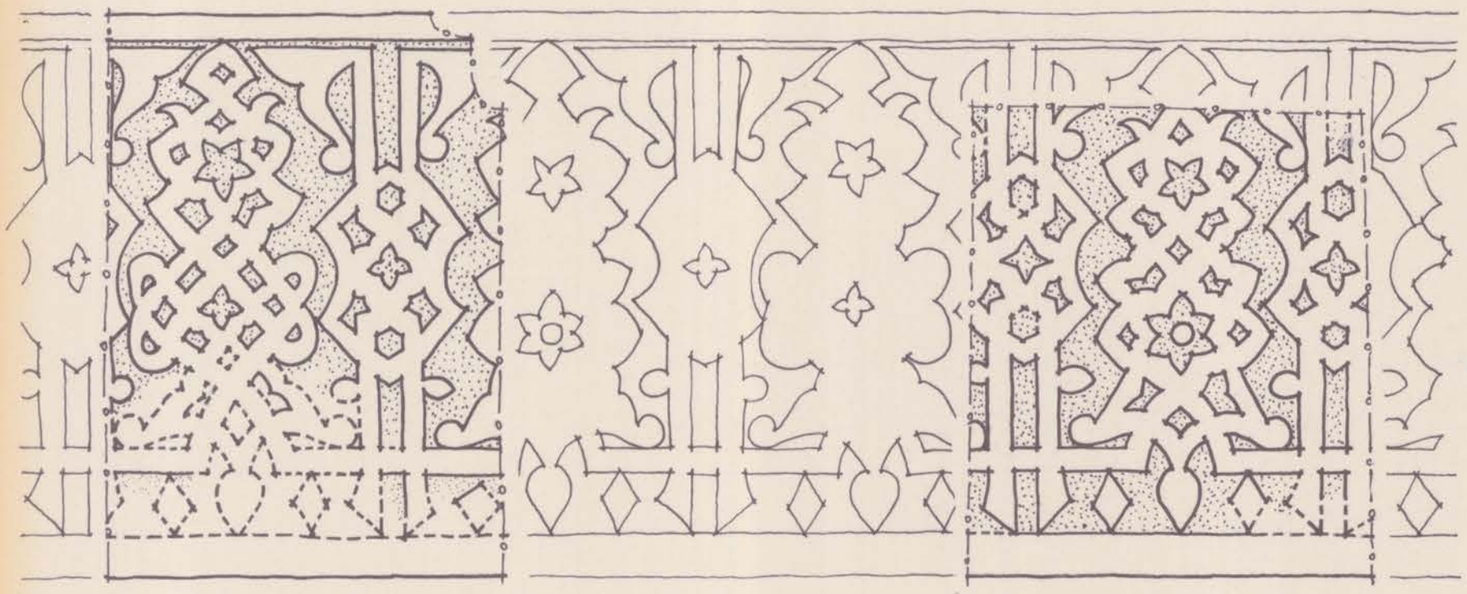
point joining



preferred lines



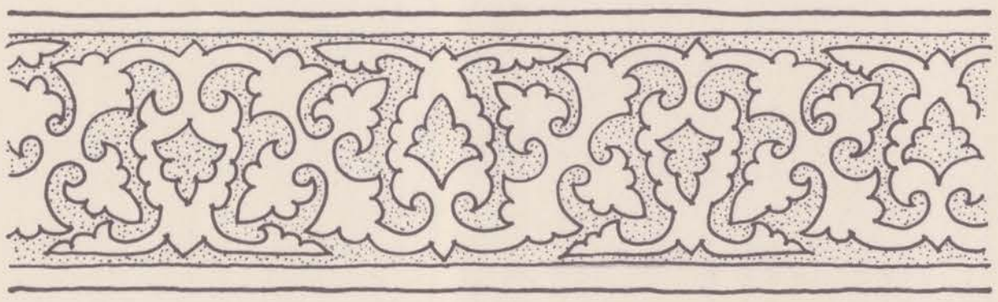
DECORATED PANEL IN NORTH ELEVATION



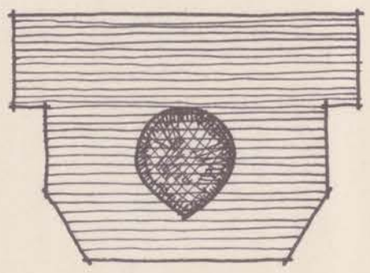
TWO KUFESQUE PANELS IN NORTH ELEVATION



CURVILINEAR MUQARNAS 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 ĪWĀN

0·1 0 0·1 0·2 0·3 0·4 0·5m.

MADRASA OF THE MALIK ASHRAF QĀYTBĀY, JERUSALEM.
MISCELLANEOUS DETAILS USED IN THE REBUILT AREAS.

SS

DELT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, FSA Scot. '79.

FLEURY CRESTING

RECTILINEAR MUQARNAS

INSCRIPTION PANEL

DECORATED ENGAGED COLUMNS

DOOR OPENING

CARVED MUQARNAS CELLS

GATEWAY

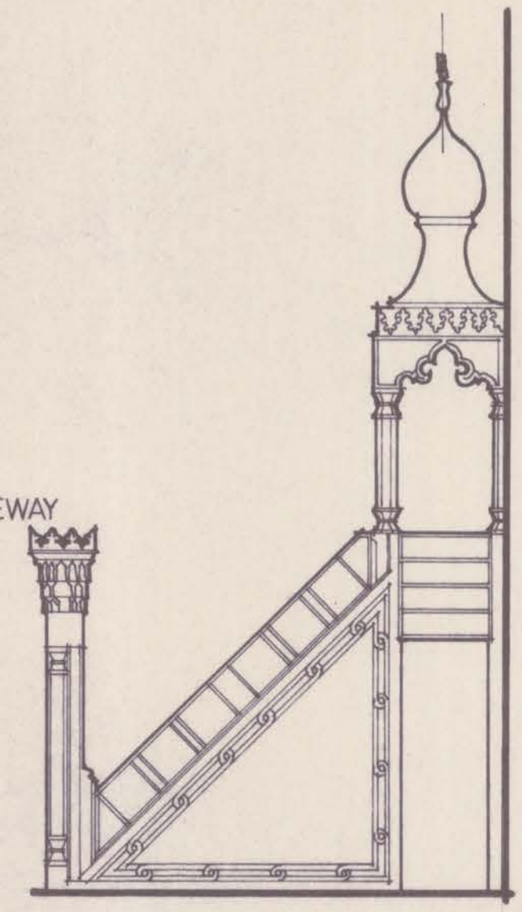
0·1 0 0·1 0·2 0·3 0·4 0·5 m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
FRONT ELEVATION OF THE GATEWAY.

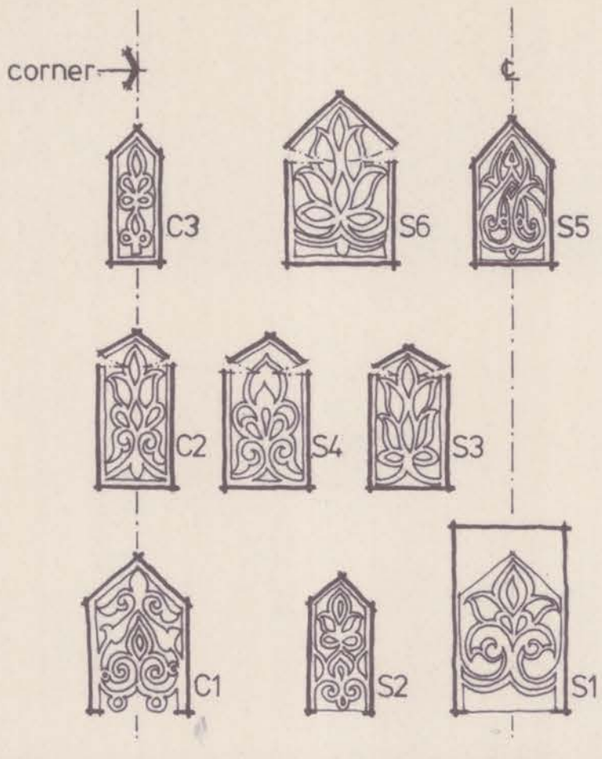
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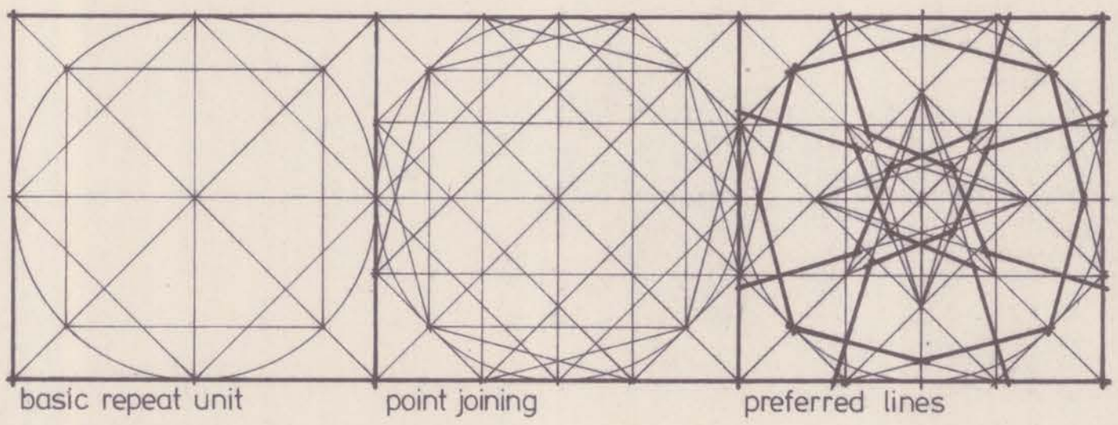
DELT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, F.S.A. SCOT. '78

GATEWAY

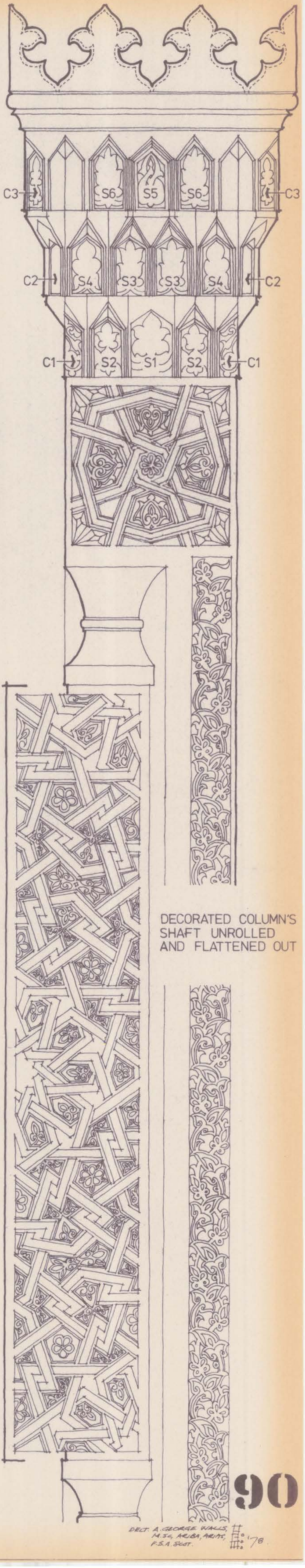


CARVED MUQARNAS CELLS

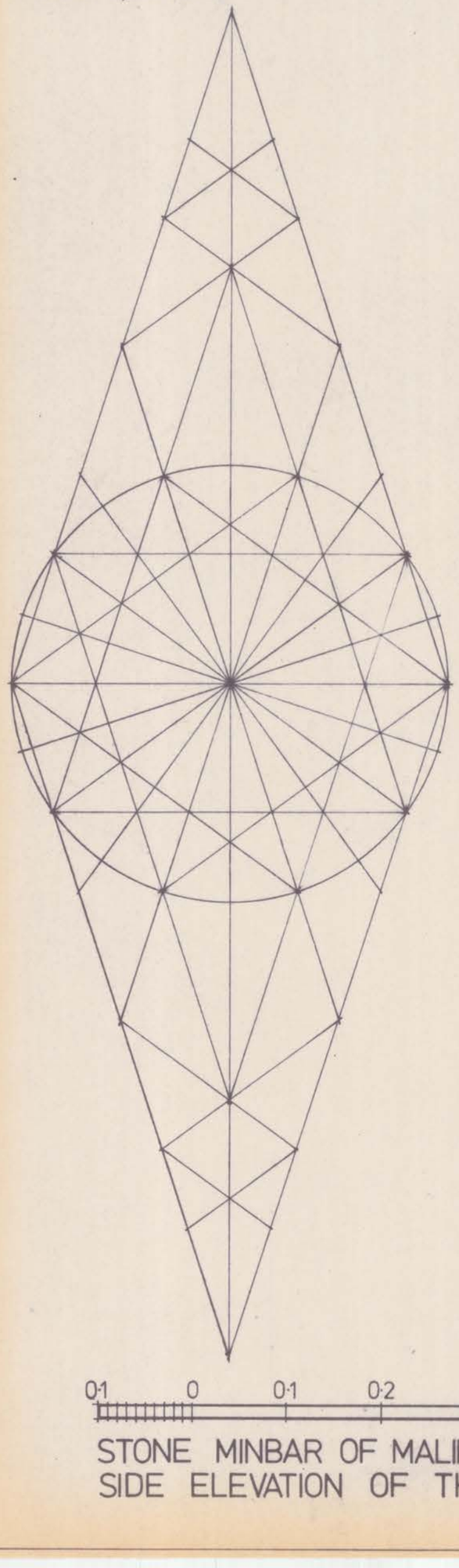


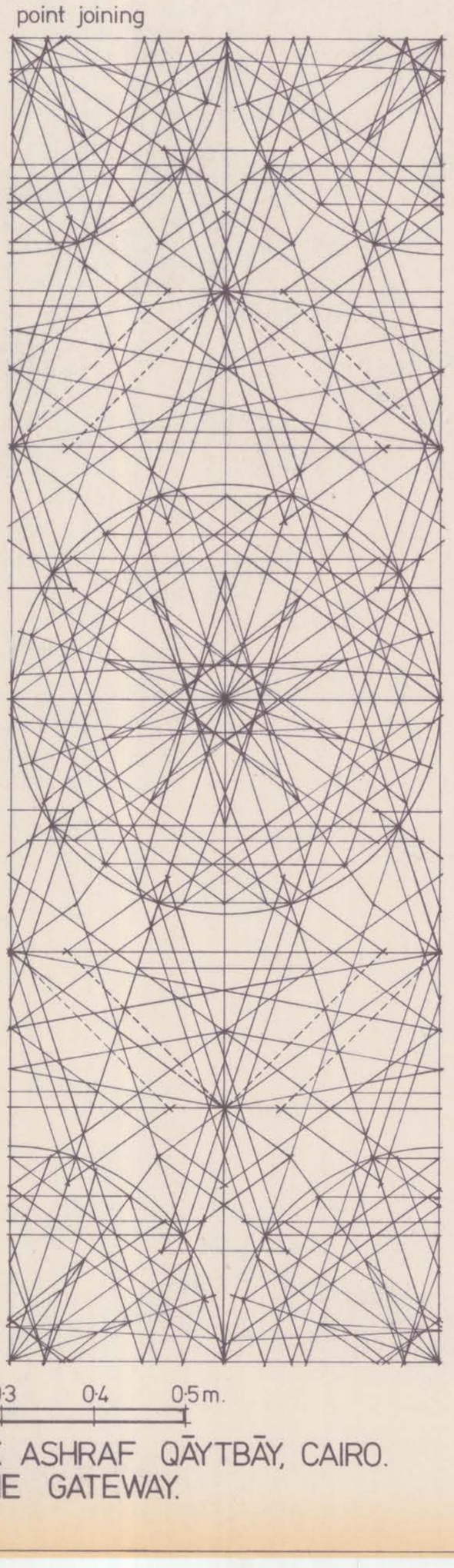

GEOMETRIC SQUARE



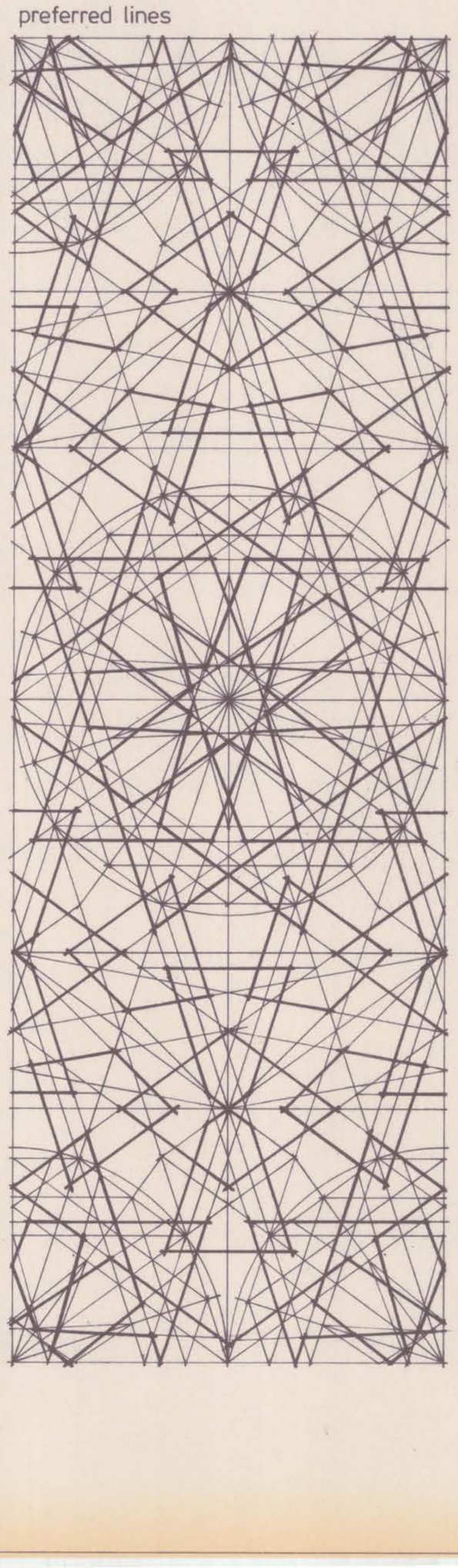

DECORATED ENGAGED COLUMN
basic repeat unit



point joining



preferred lines





DECORATED COLUMN'S SHAFT UNROLLED AND FLATTENED OUT





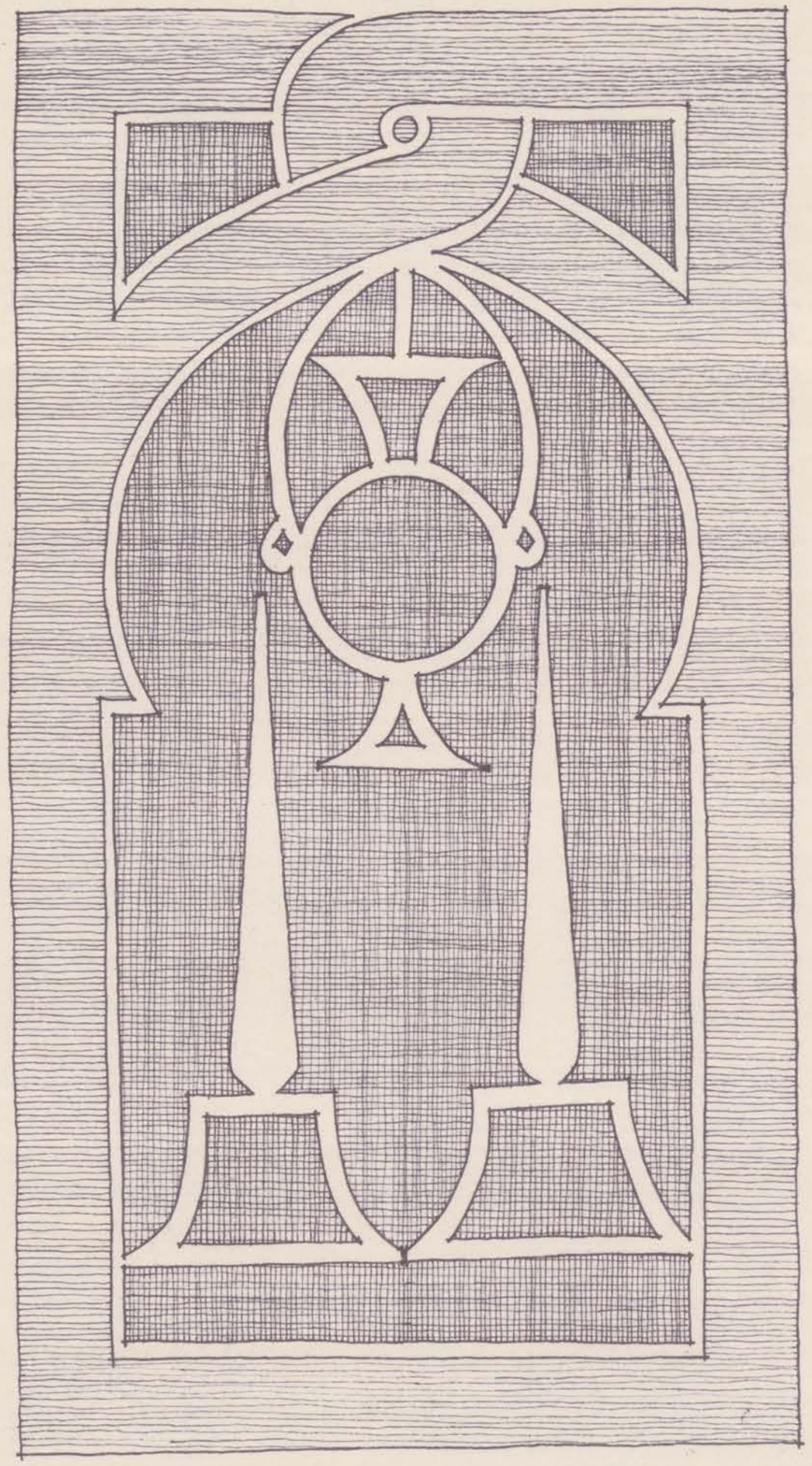
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STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
SIDE ELEVATION OF THE GATEWAY.

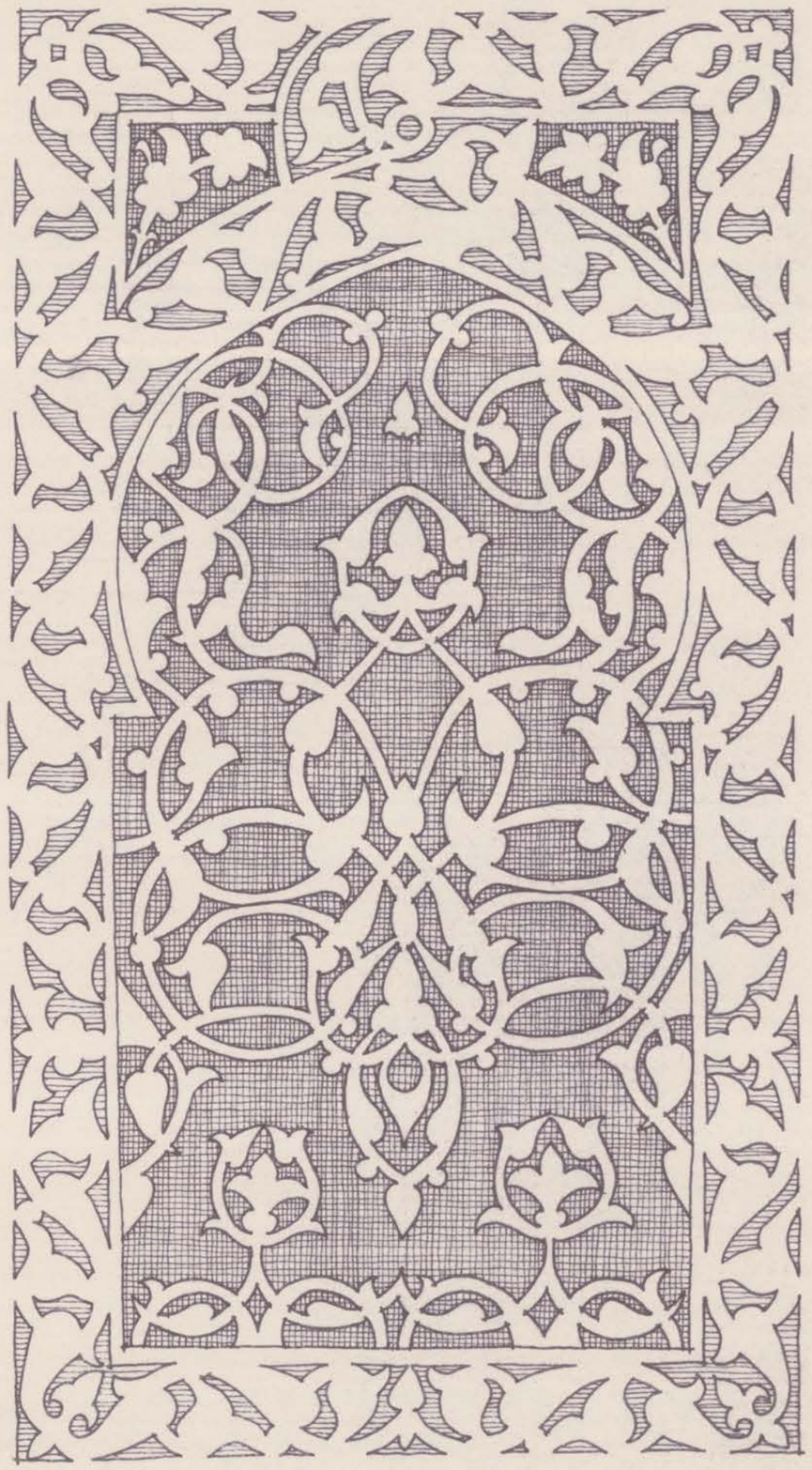


DECT. A. GEORGE WALLS, M.Sc, ARIBA, AMIA, F.S.A. SCOT.

'78



GENERAL DIVISIONS OF THE "MIḤRĀB" PANEL



RELIEF PLANES

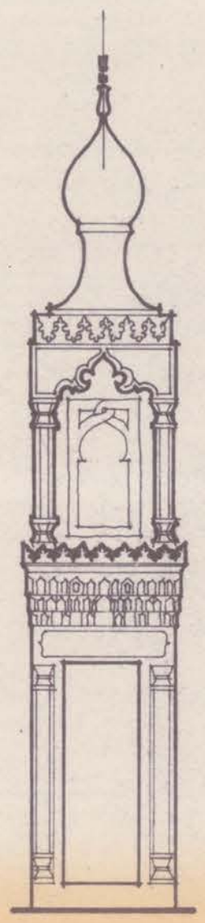
upper

lower

VEGETAL FORMS IN OUTLINE



COMPOSITE DESIGN



16

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED "MIḤRĀB" PANEL ON THE REAR WALL.

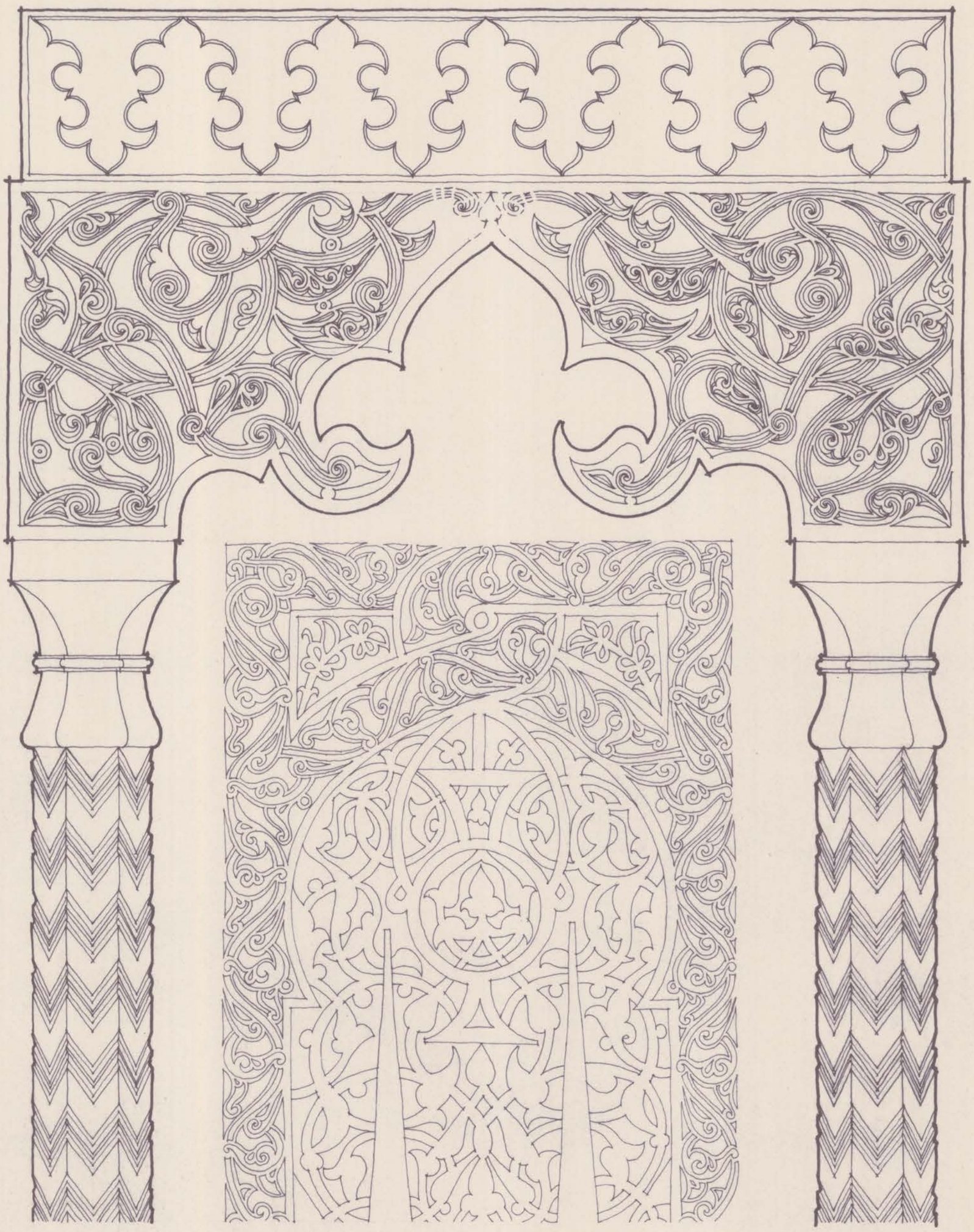
DRLT. A. GEORGE WALLIS. M.SC. RIBA, A.R.I.A.S. FRANCO).

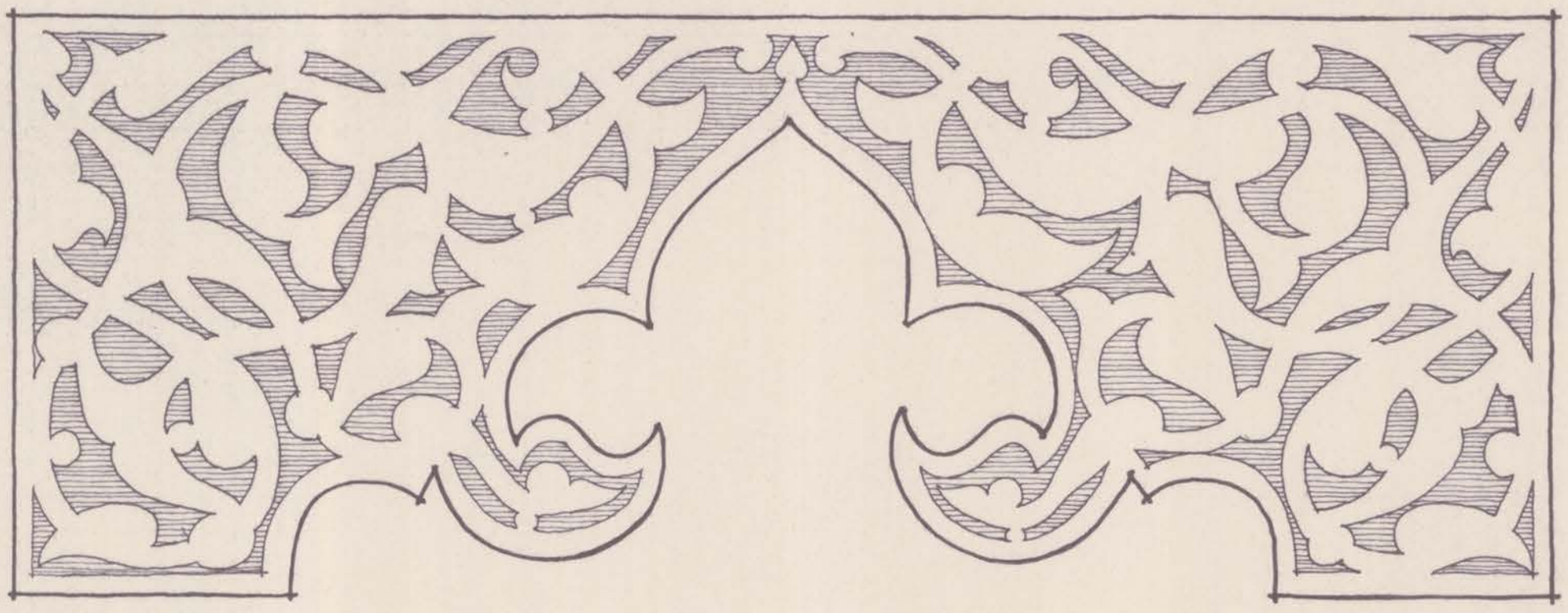
'78

BLIND CRENELLATIONS

CANOPY SPANDRELS
FRONT

CHEVRONED
OCTAGONAL COLUMNS





vegetal forms in outline

CANOPY



0·1 0 0·1 0·2 0·3 0·4 0·5m.

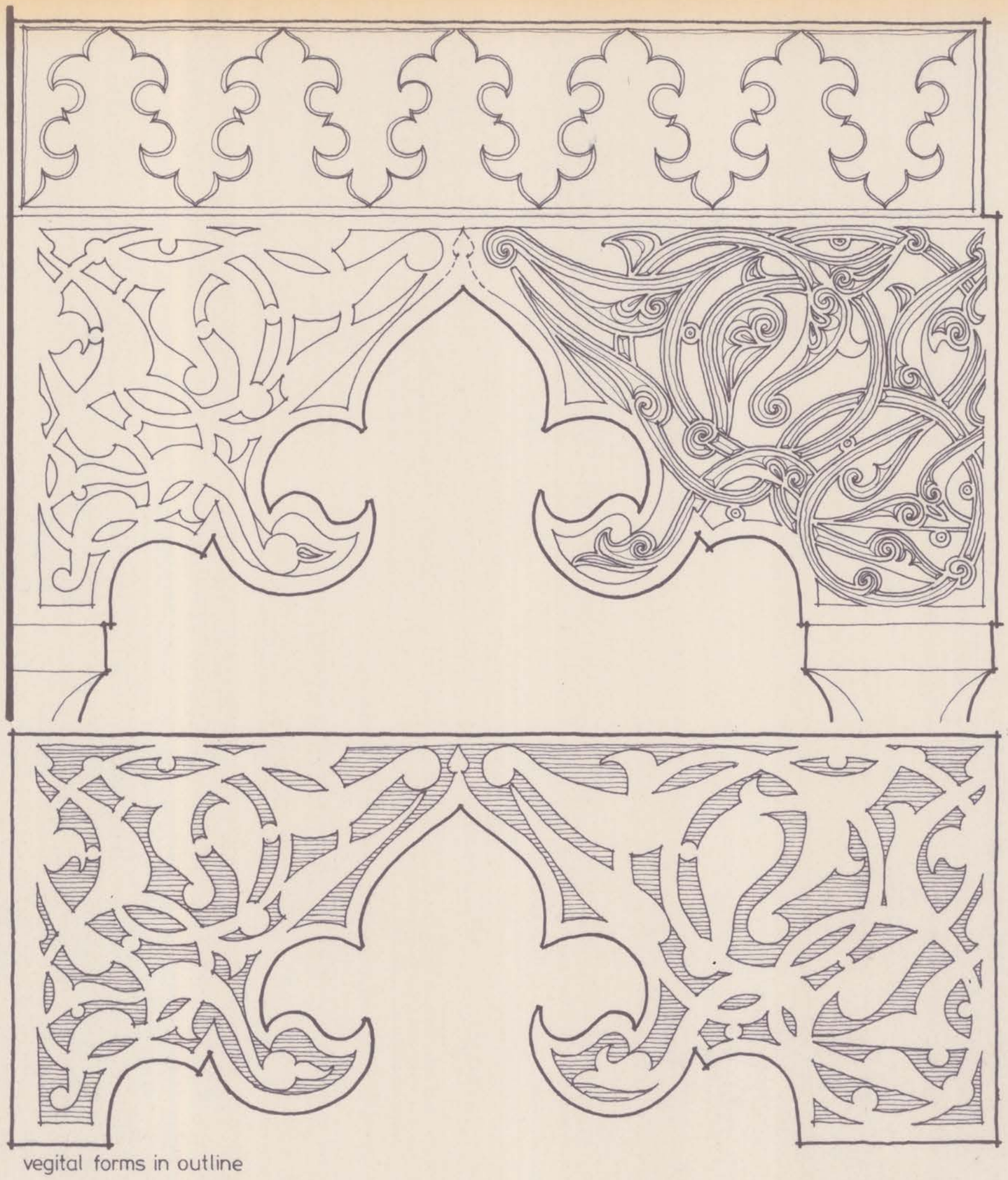
STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED FRONT SPANDRELS AND COLUMNS OF THE CANOPY.

92

DELT. A. GEORGE WALLS.
M. SC, ARIBA, AMIAS
F.S.A. SCOT.

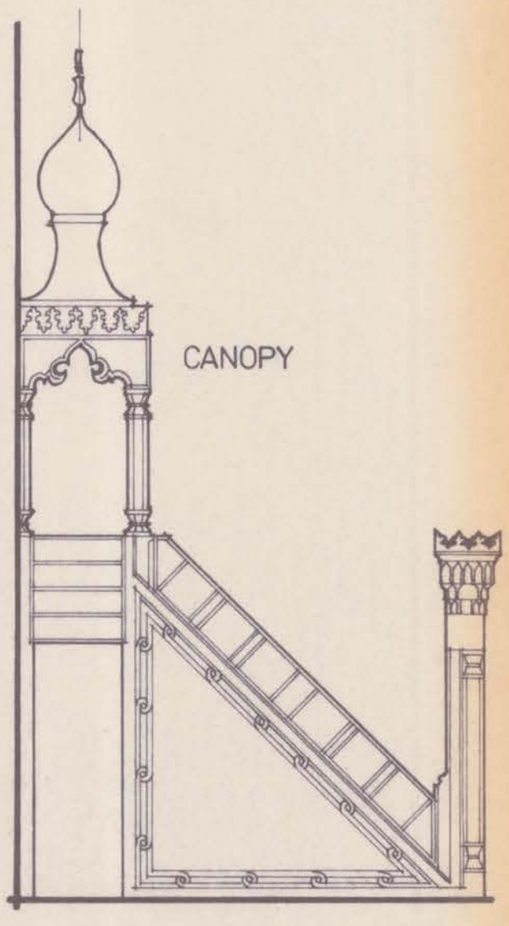
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BLIND CRENELLATIONS

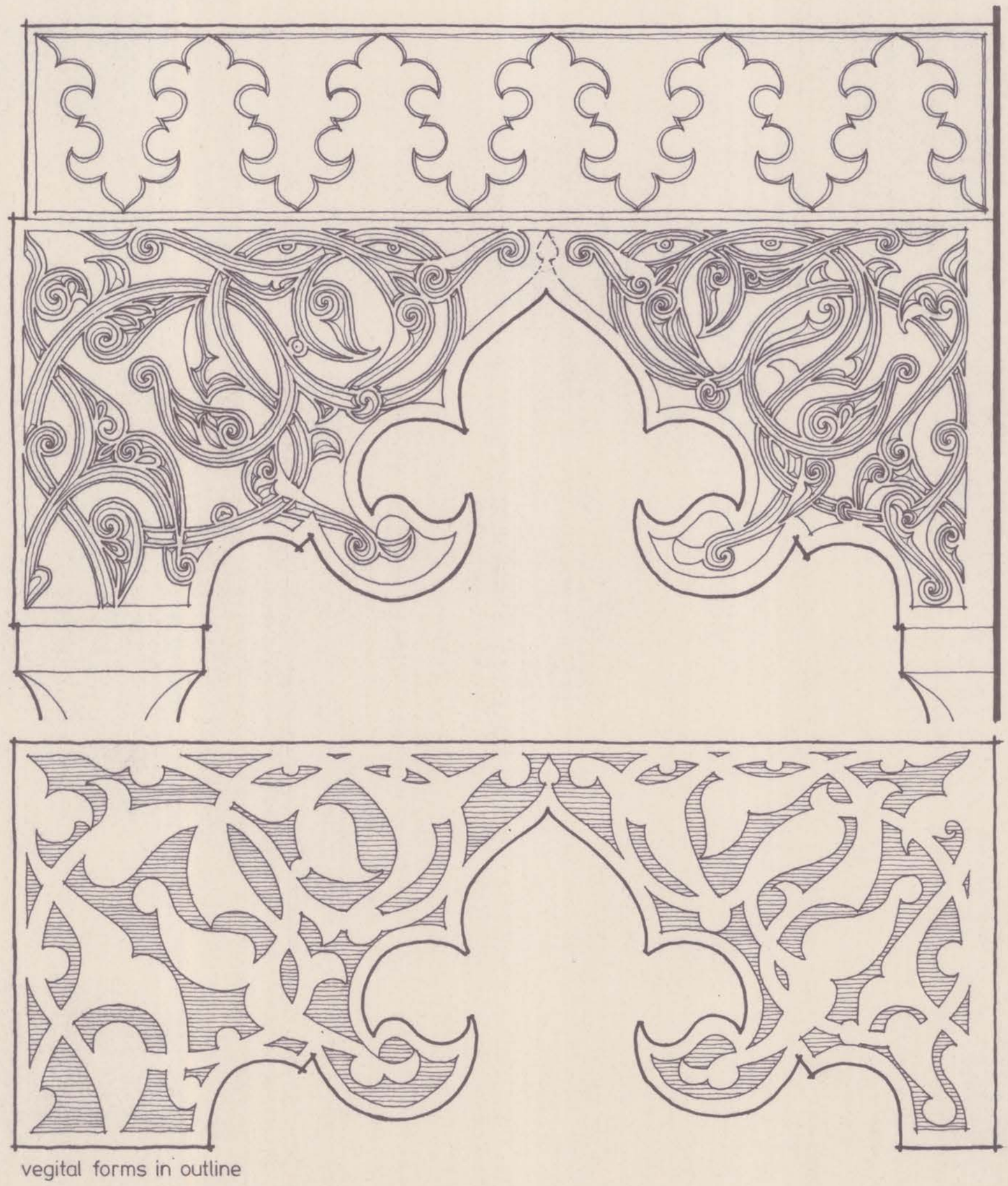


CANOPY SPANDRELS
LEFT SIDE

vegital forms in outline

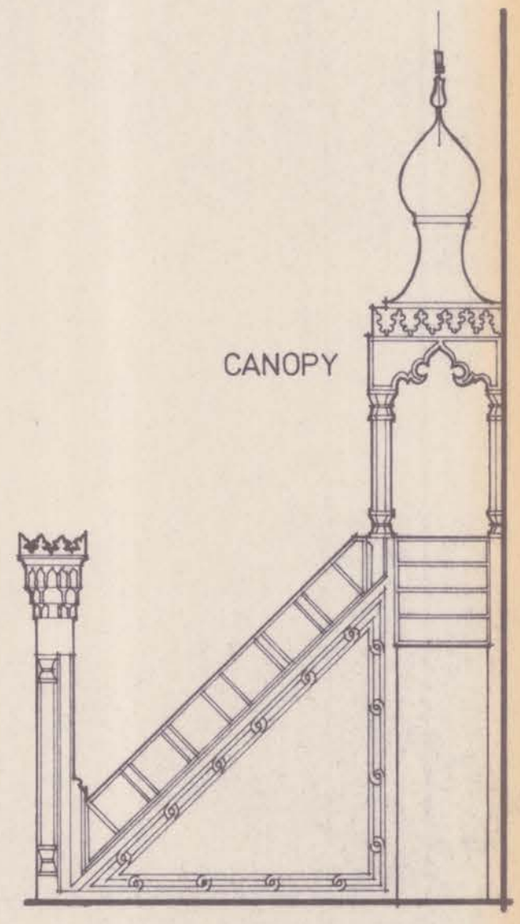



BLIND CRENELLATIONS



CANOPY SPANDRELS
RIGHT SIDE

vegital forms in outline

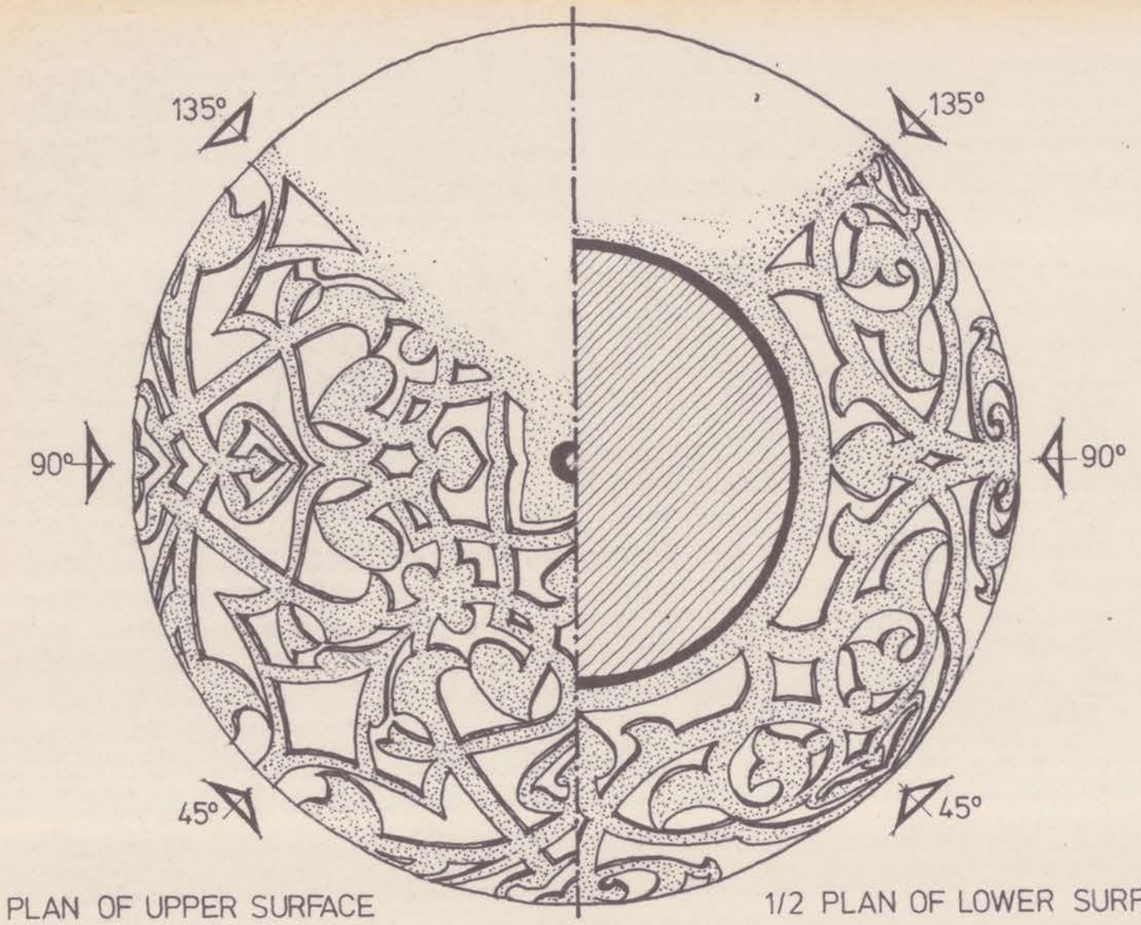



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STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED SIDE SPANDRELS OF THE CANOPY.

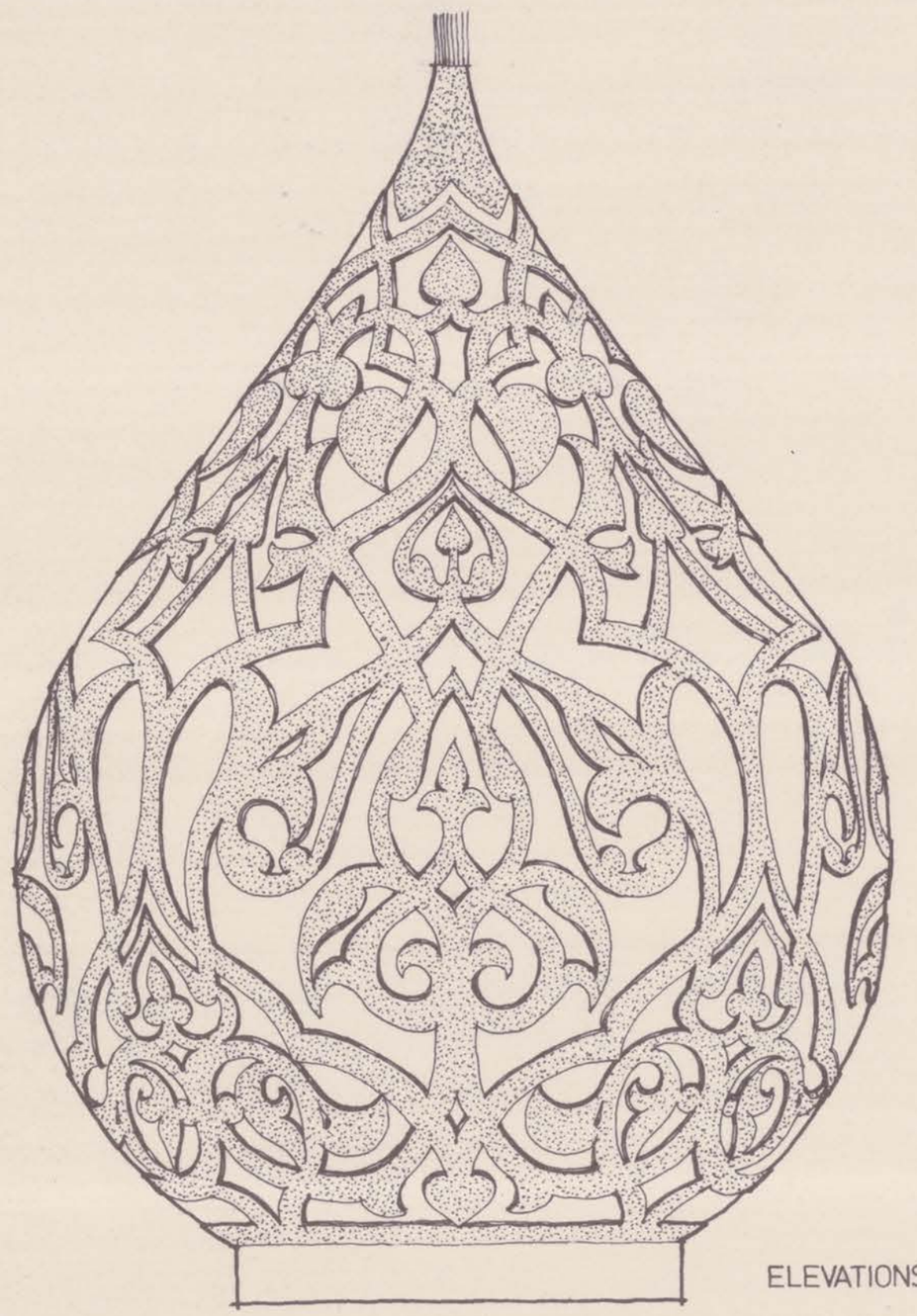


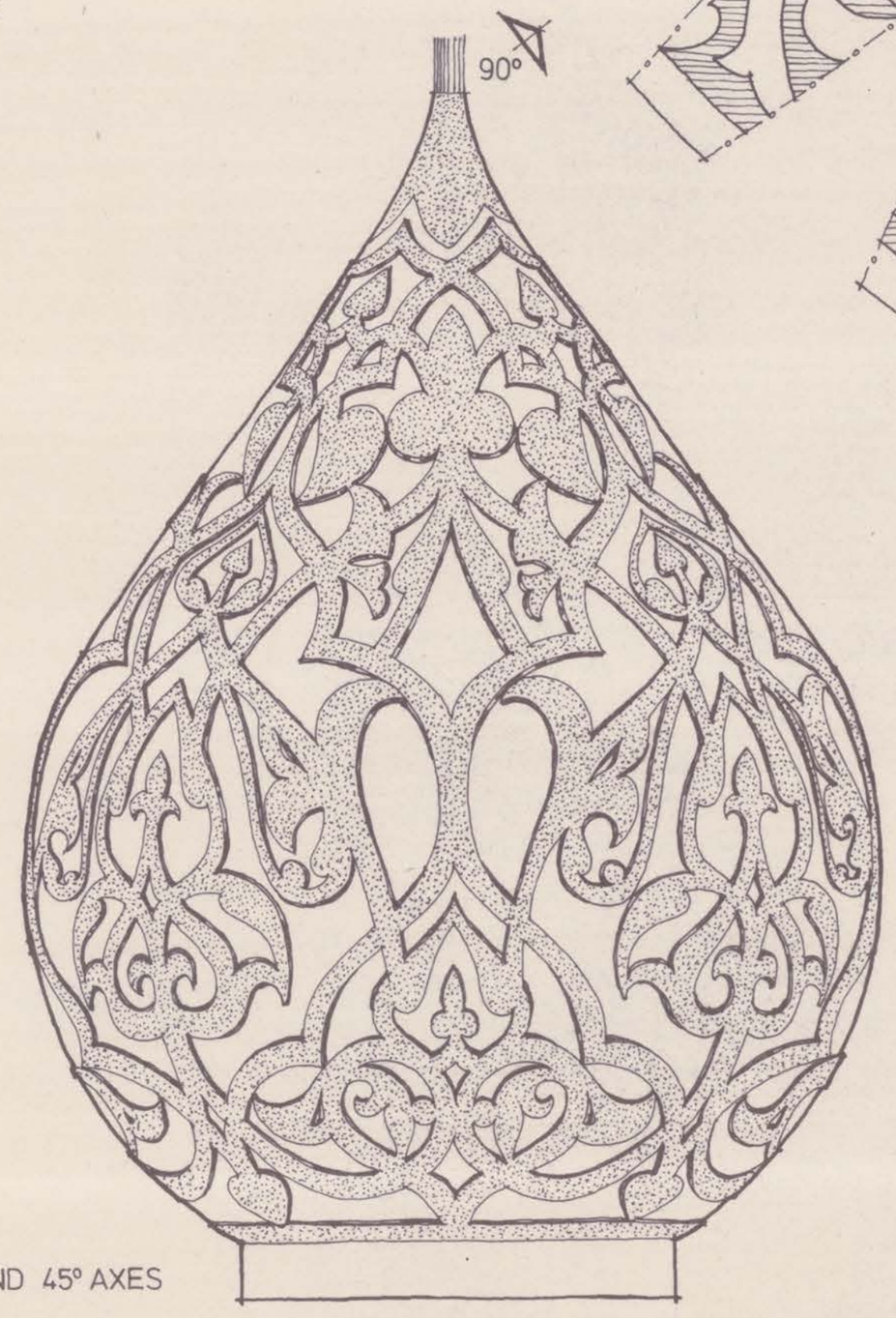
DELT. A. GEORGE WALLS, M.Sc., A.R.I.B.A., M.R.I.A.S., F.S.A. SCOT. '78.




1/2 PLAN OF UPPER SURFACE

1/2 PLAN OF LOWER SURFACE

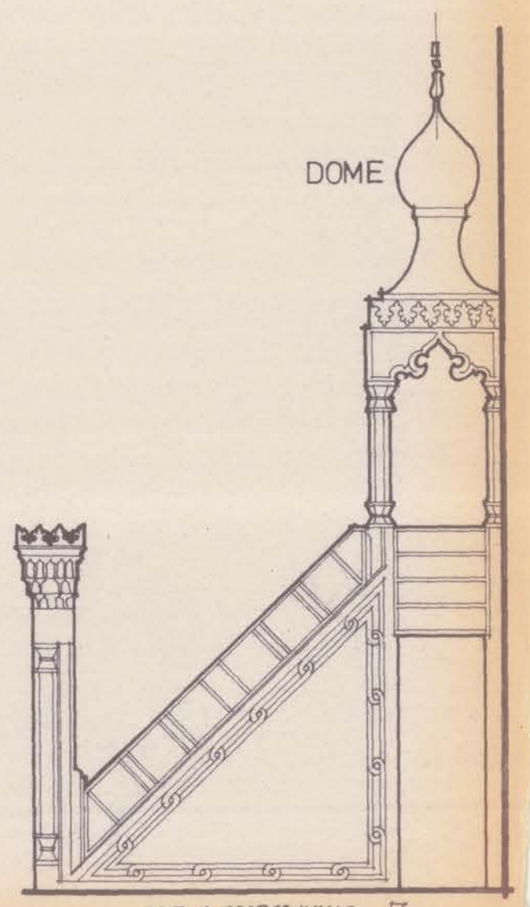



ELEVATIONS ON 0° AND 45° AXES




PART OF DECORATED CURVED SURFACE
FLATTENED OUT

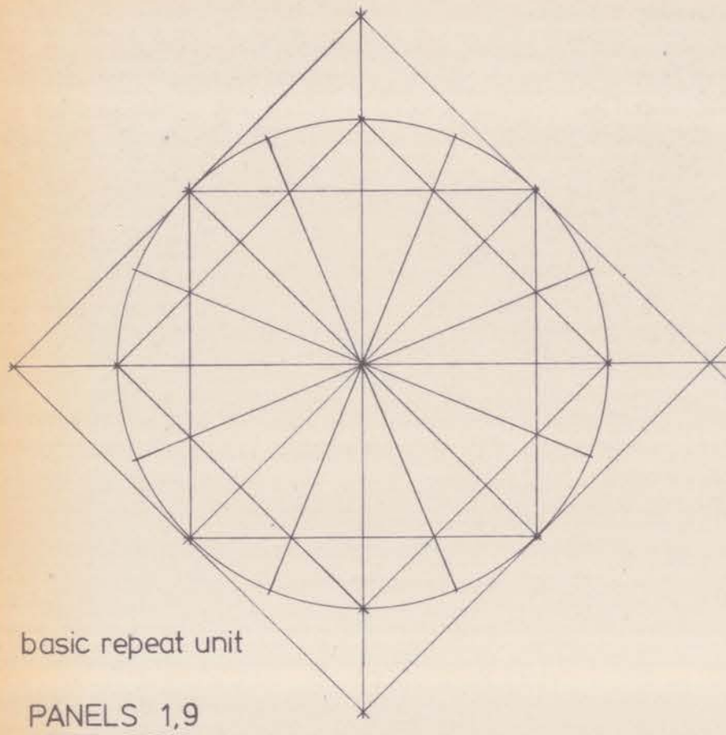



DECT. A. QAHIRA WALLS. M.Sc., RIBA, A.R.I.A.S., F.S.A.(SCOT). '78

T-6

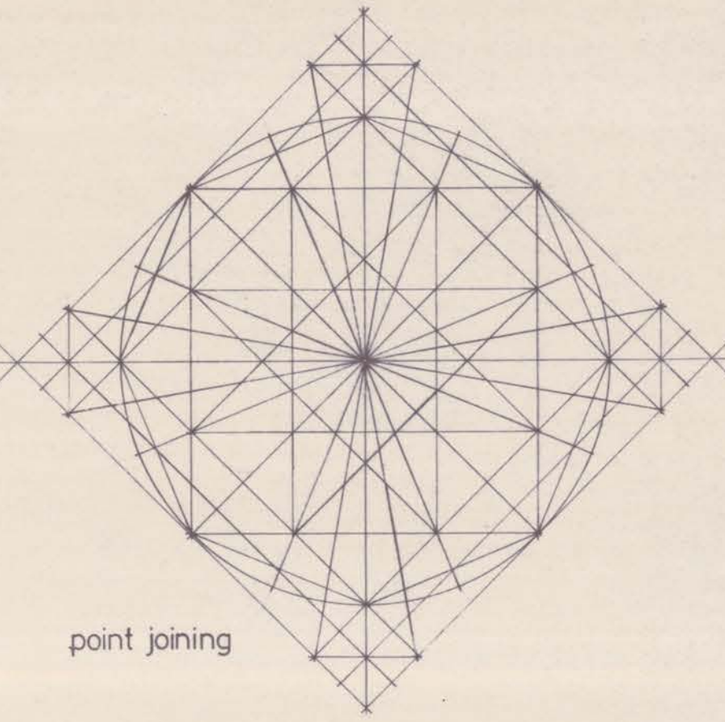
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STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED ONION DOME.

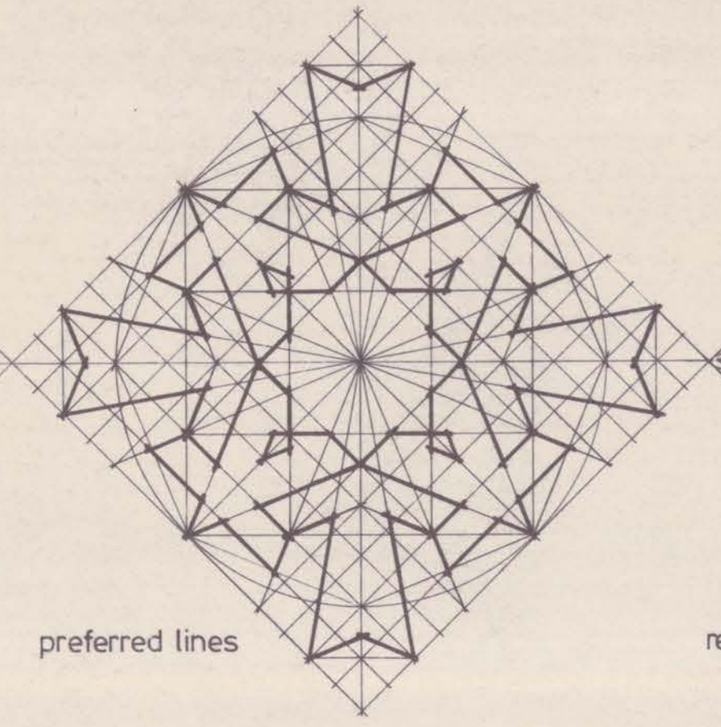


basic repeat unit

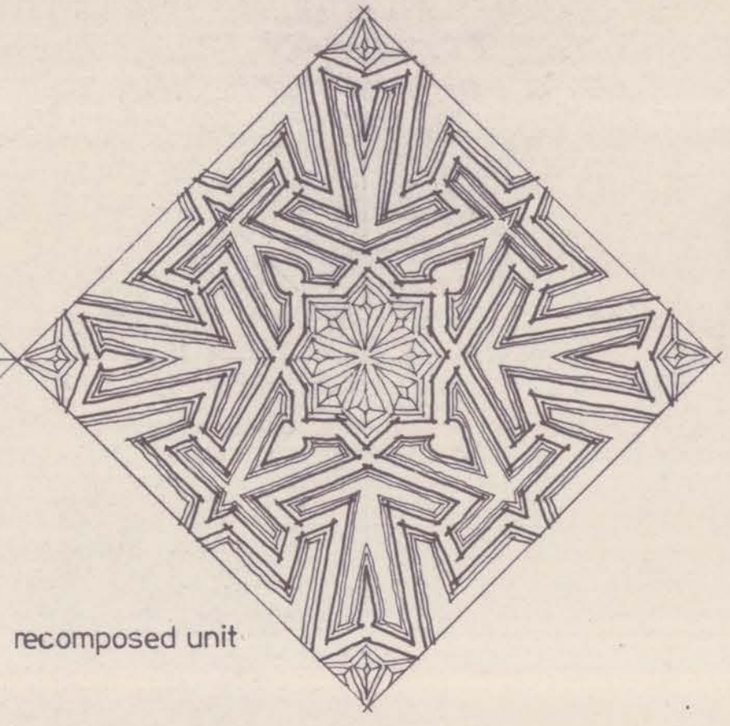
PANELS 1,9
LEFT SIDE



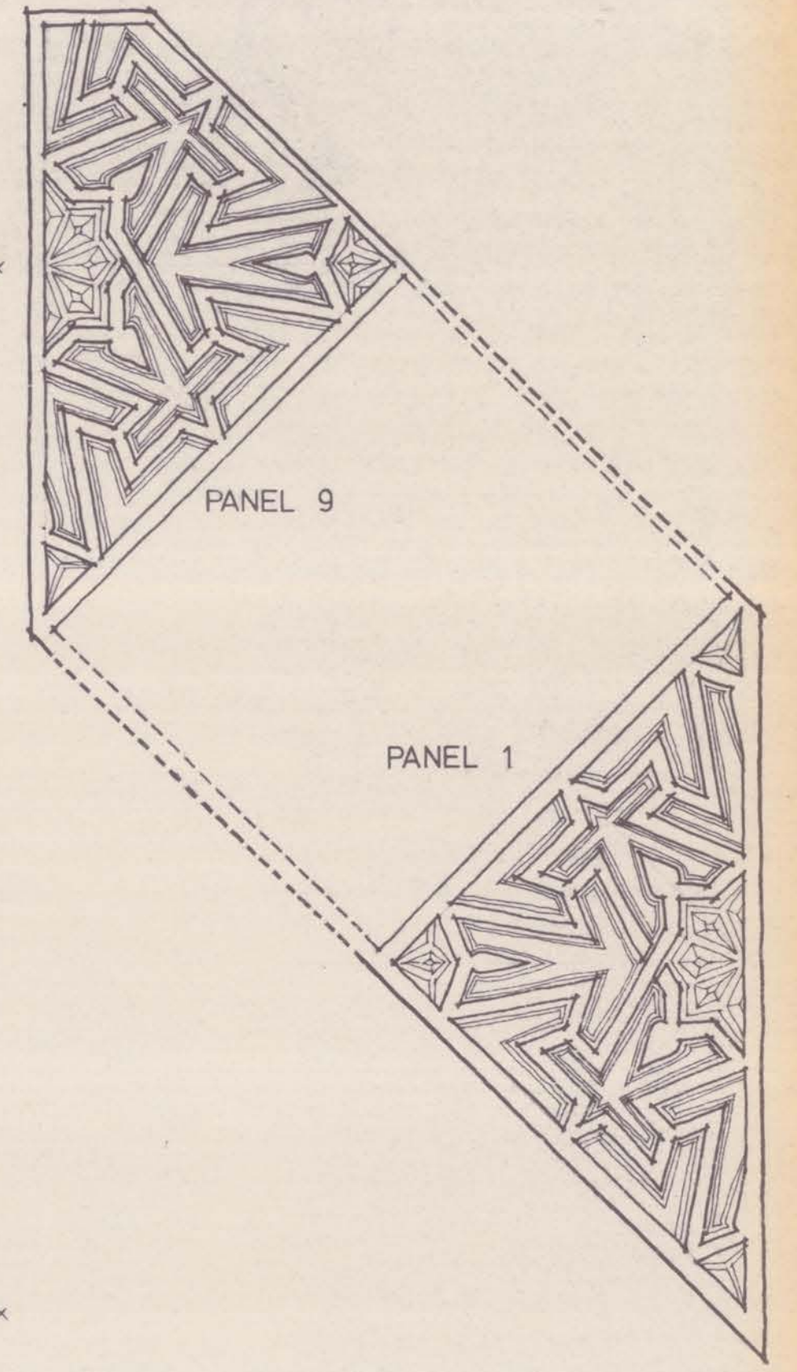
point joining



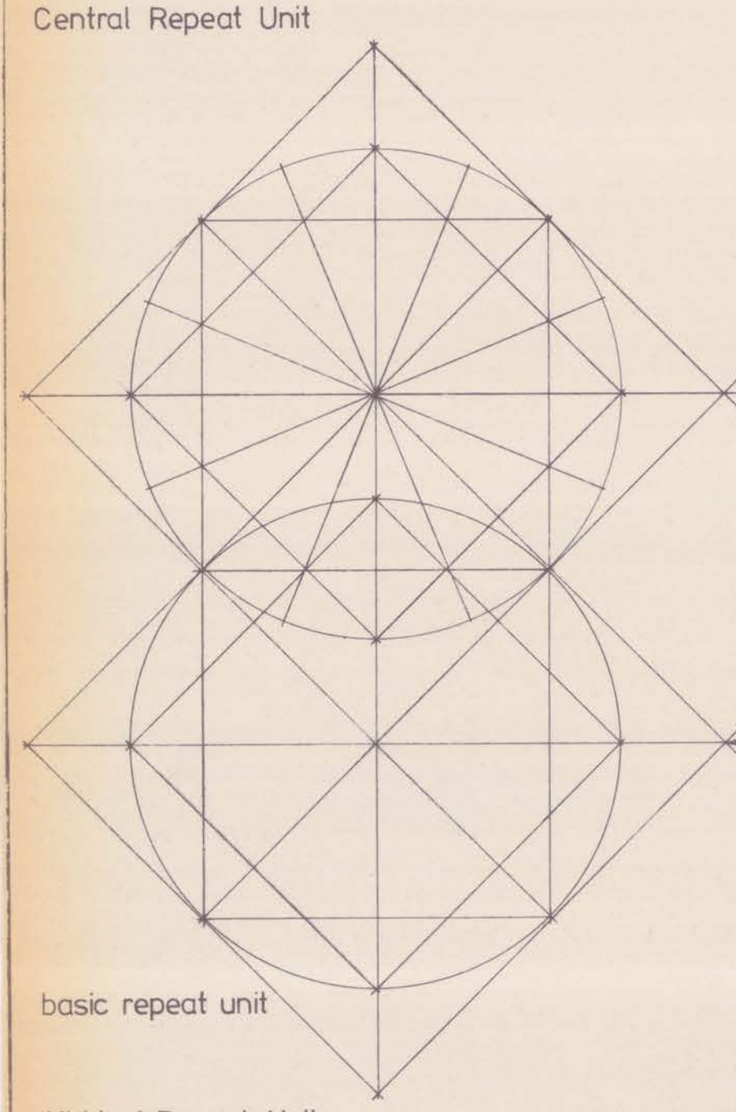
preferred lines



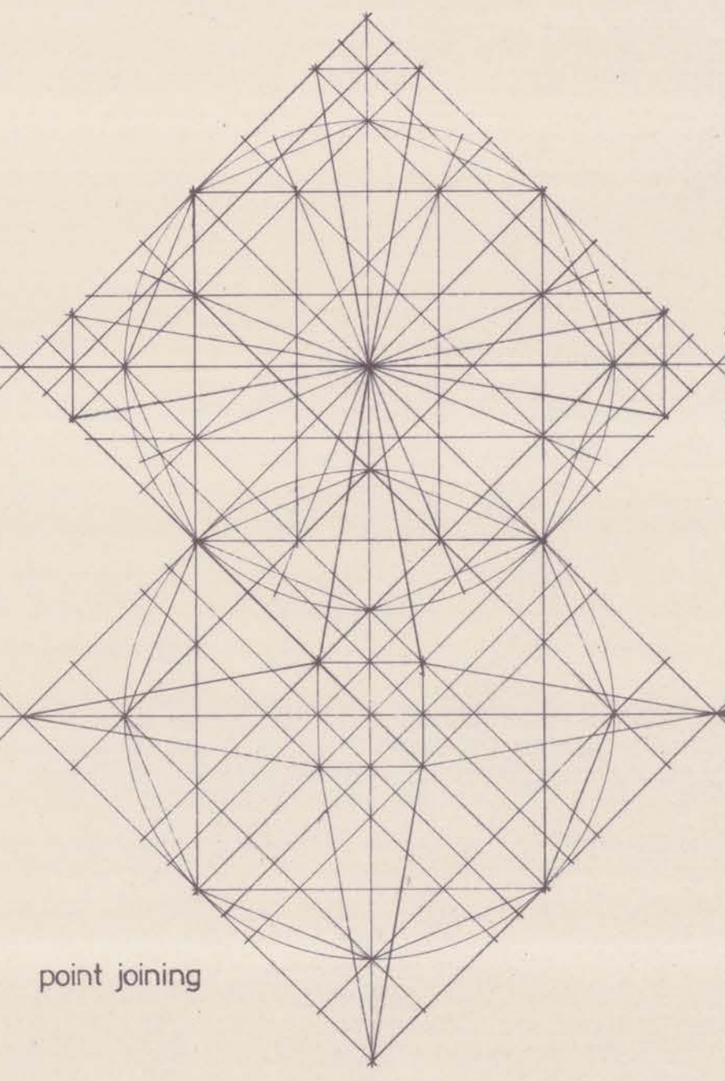
recomposed unit



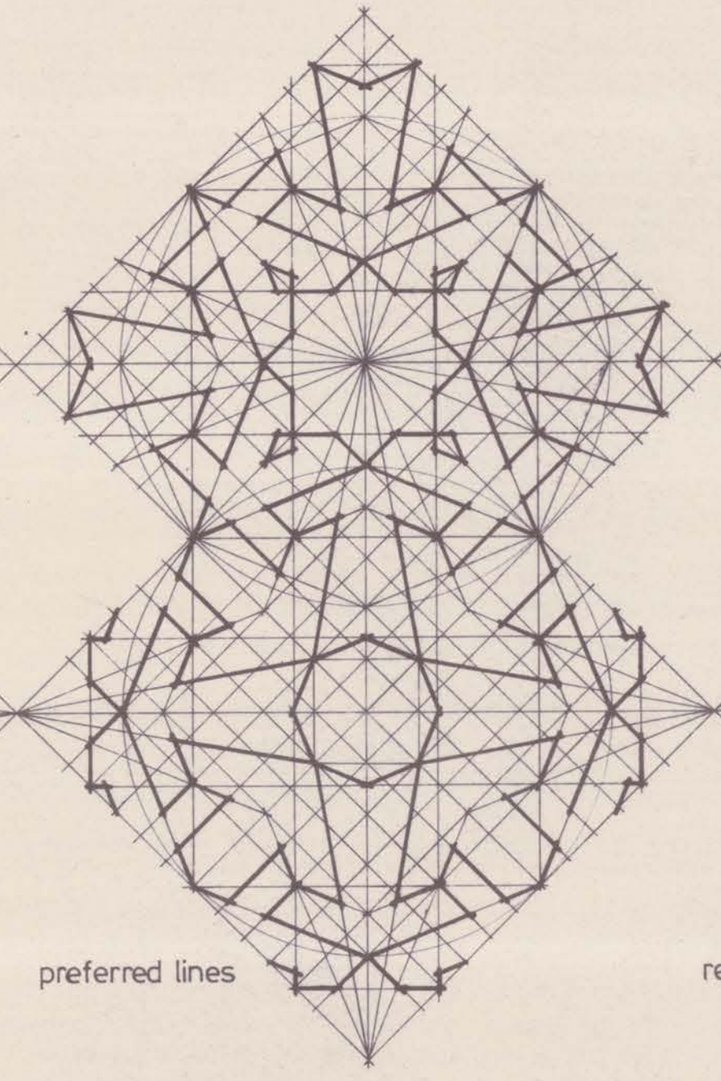

Central Repeat Unit



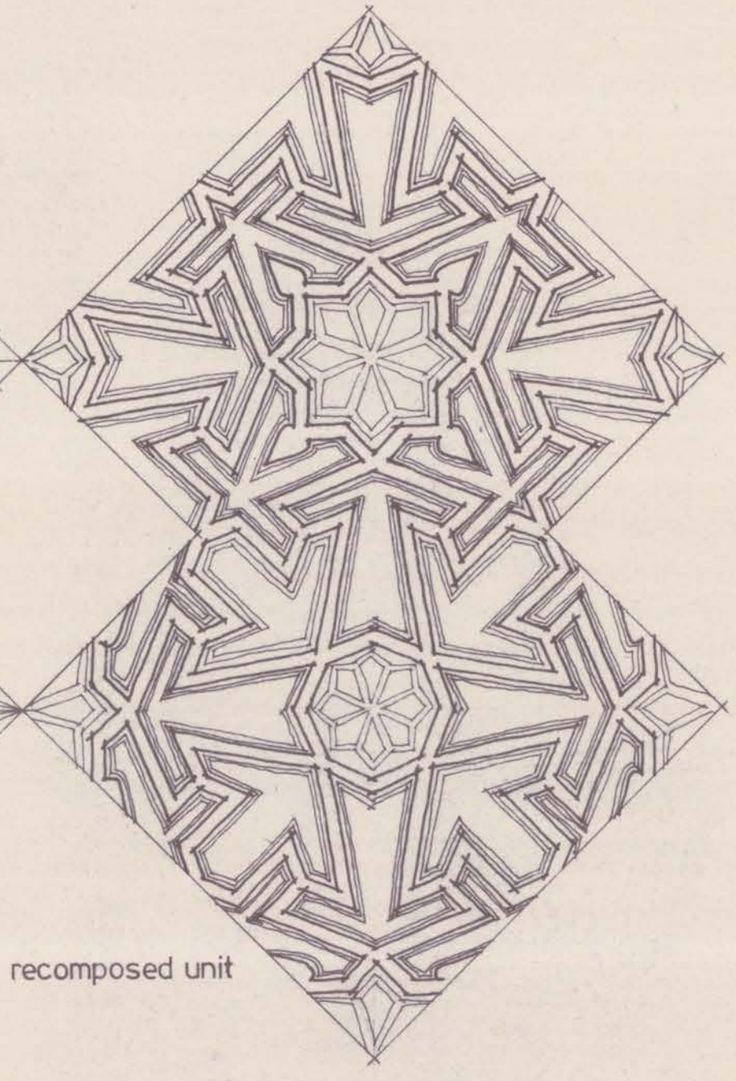
basic repeat unit



point joining

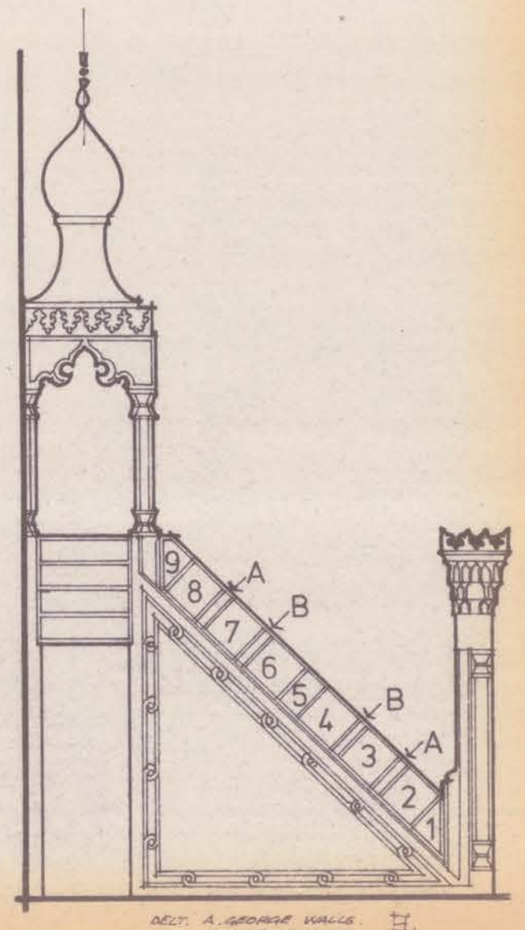


preferred lines



recomposed unit

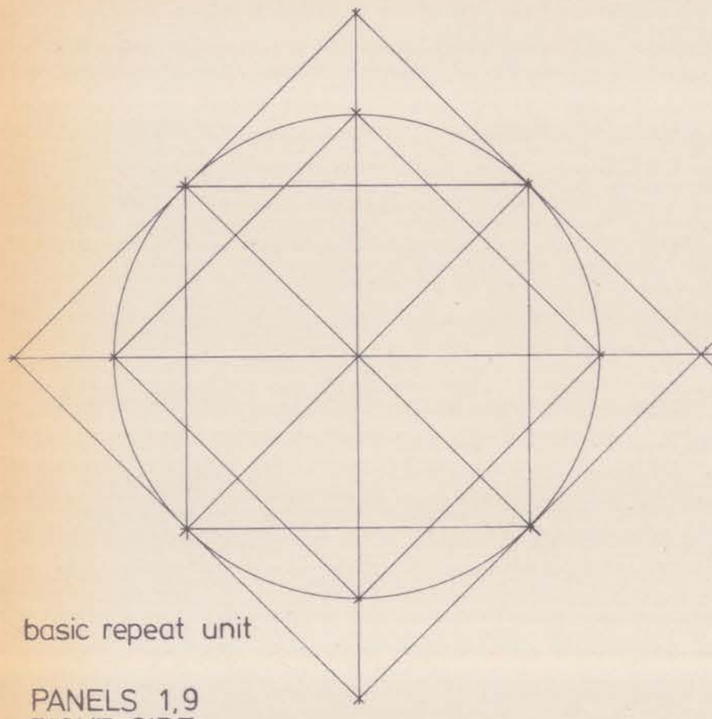
'Hidden' Repeat Unit



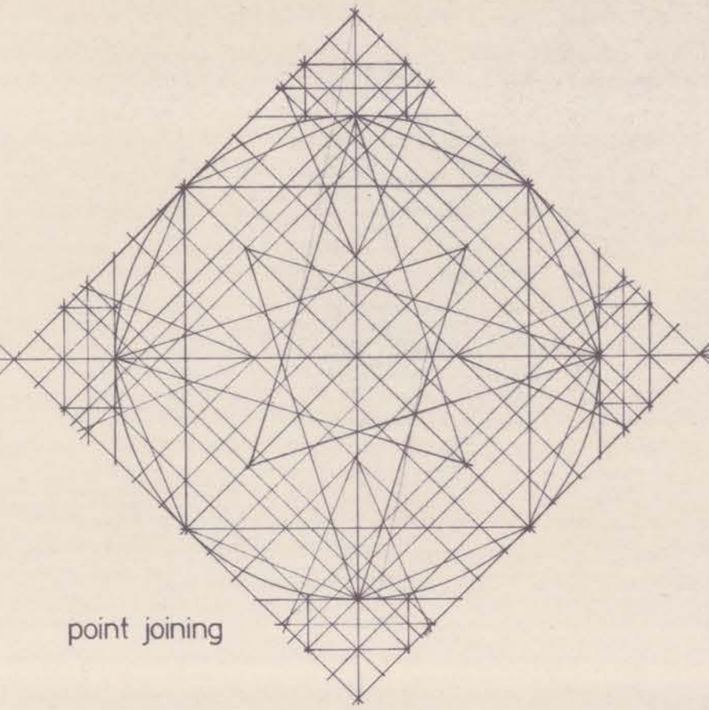

0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PANELS ON THE LEFT BALUSTRADE. (1,9)

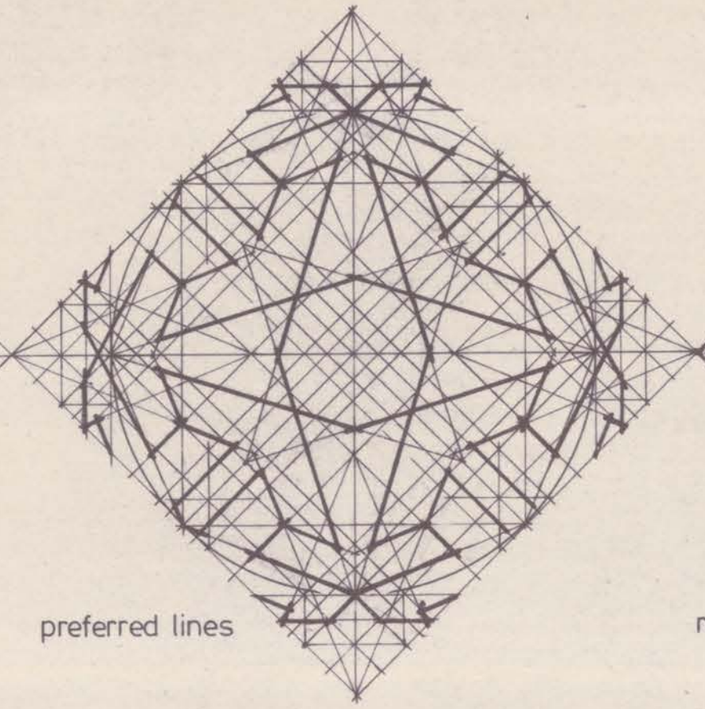
DELT. A. GEORGE WALLS. M.Sc., RIBA, A.R.I.A.S., R.S.A. (SCOT).



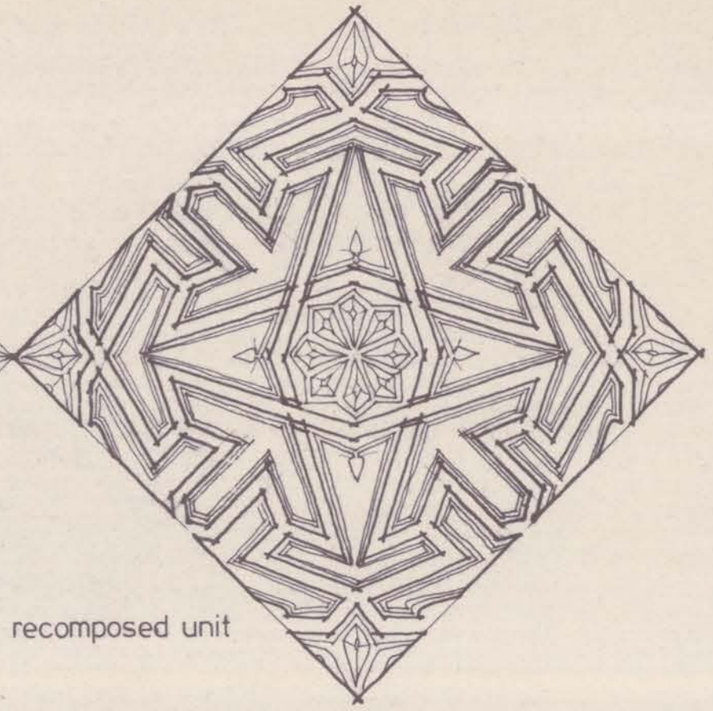
basic repeat unit



point joining

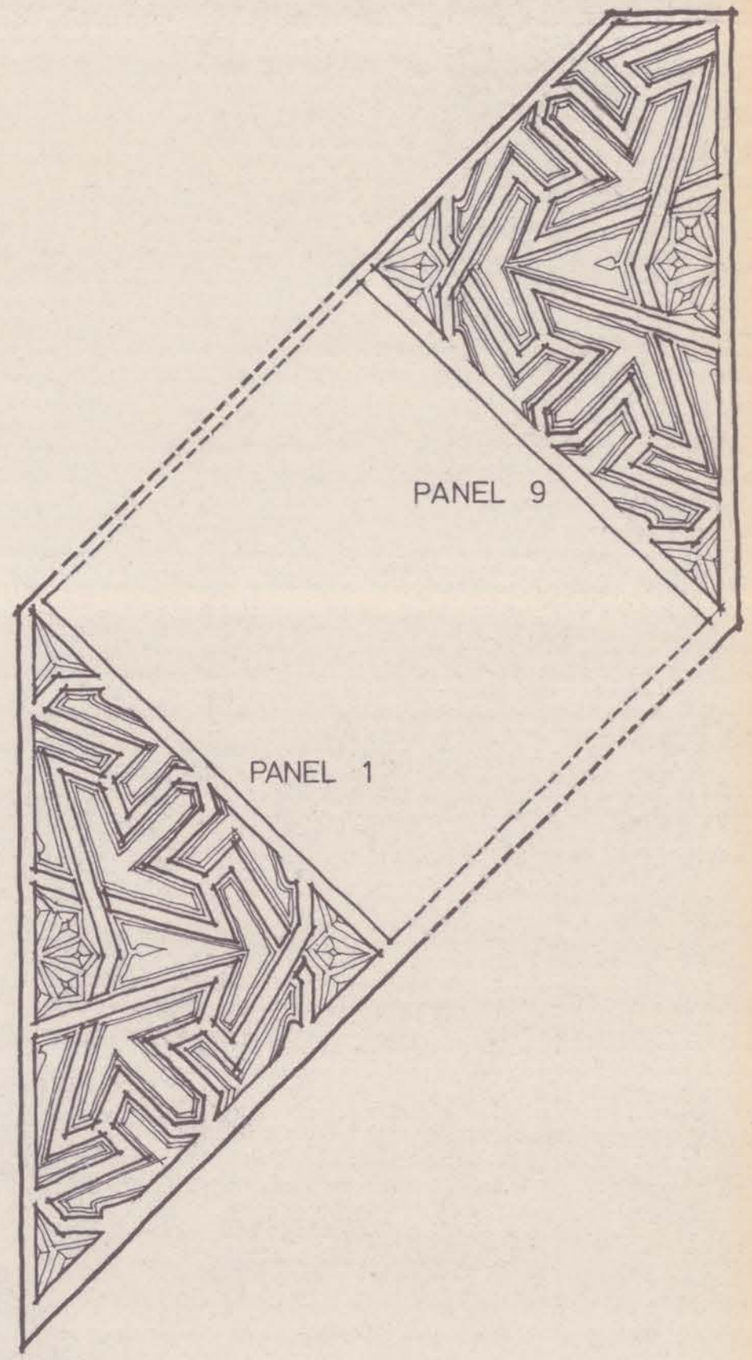


preferred lines

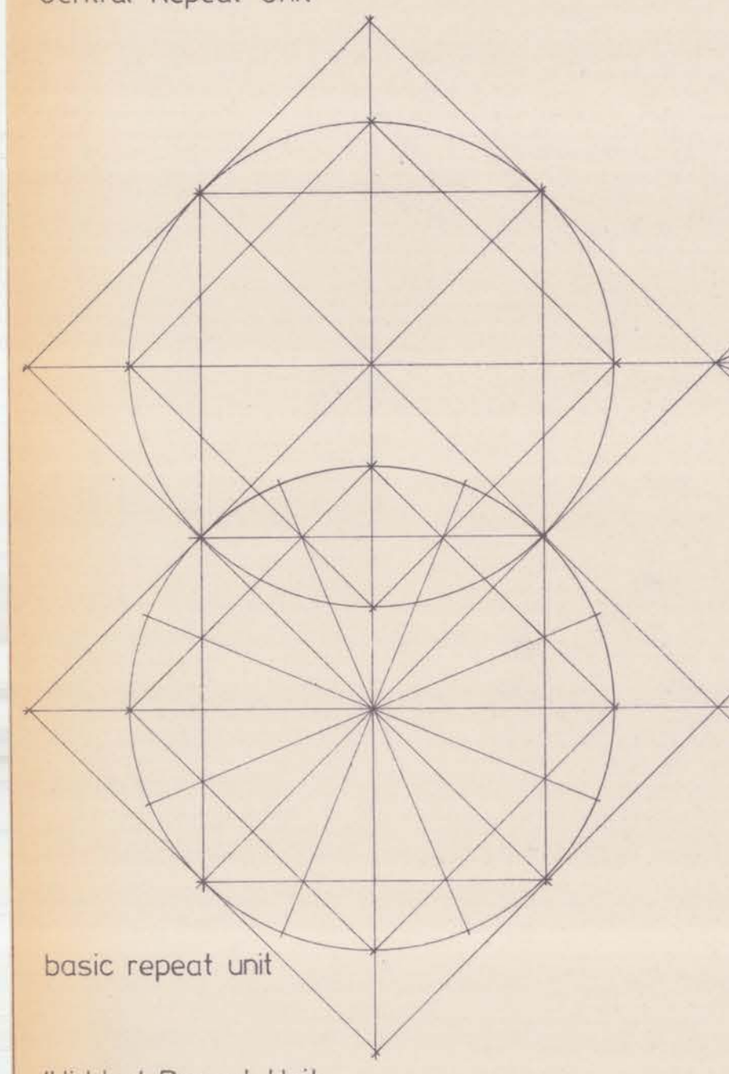


recomposed unit

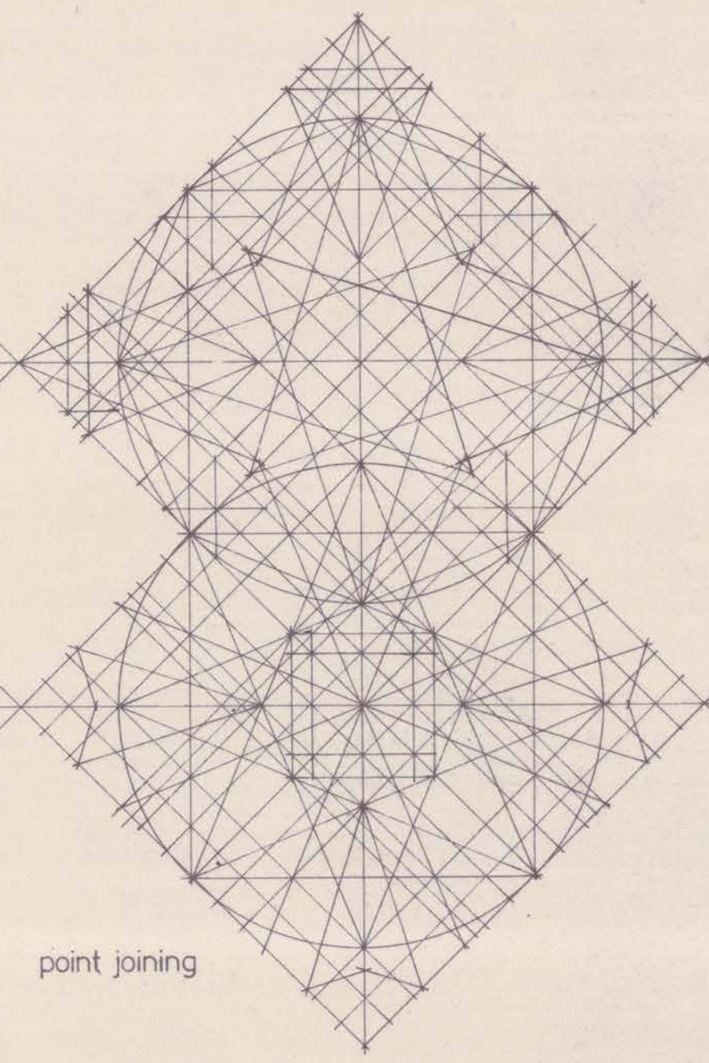
PANELS 1,9
RIGHT SIDE



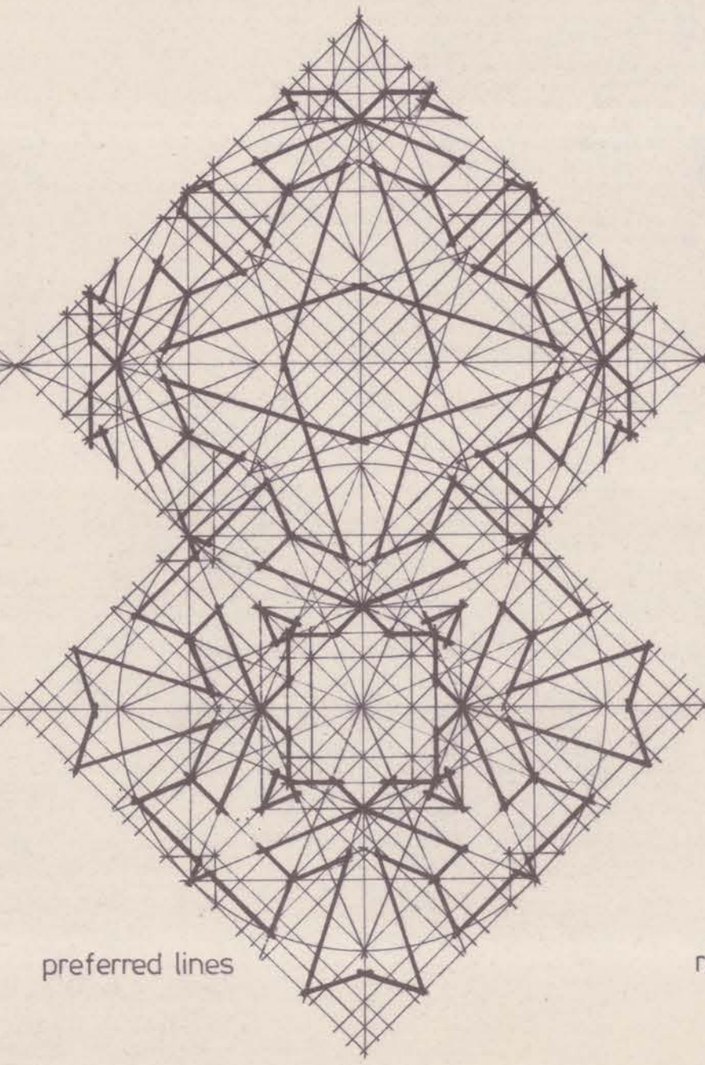

Central Repeat Unit



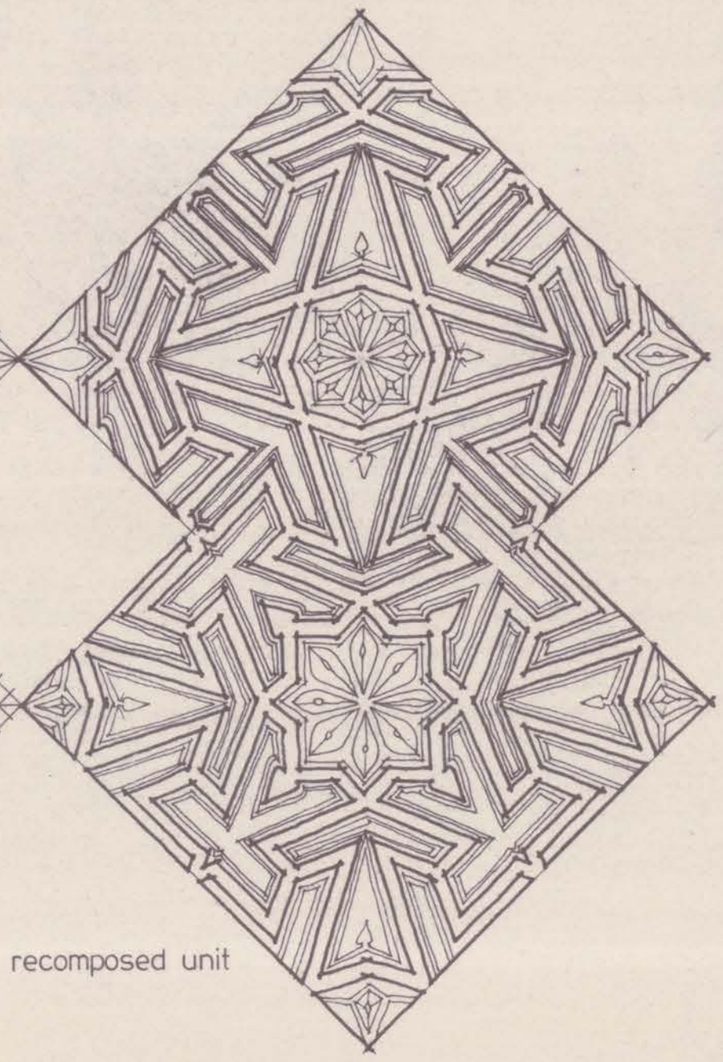
basic repeat unit



point joining

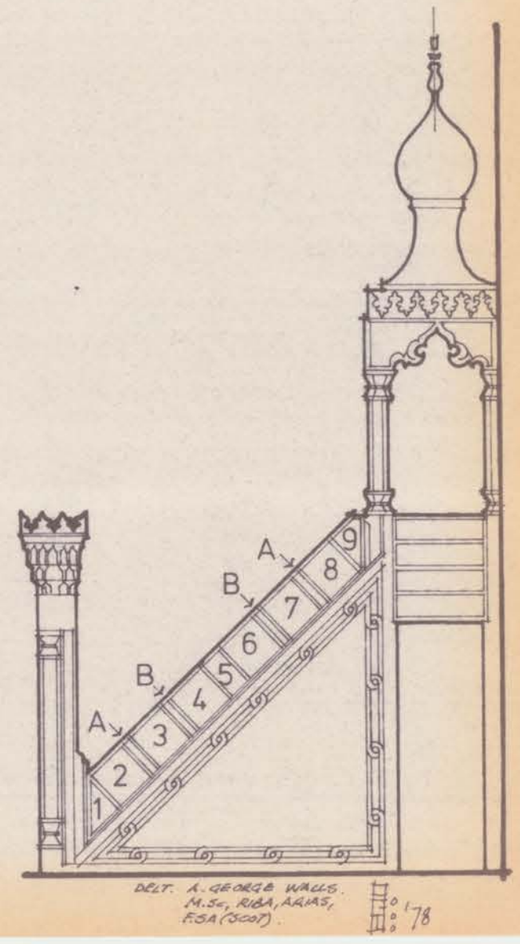


preferred lines



recomposed unit

'Hidden' Repeat Unit




DELT. A. GEORGE WALLS. M.Sc., RIBA, AAIAS, F.S.A.(Scot).

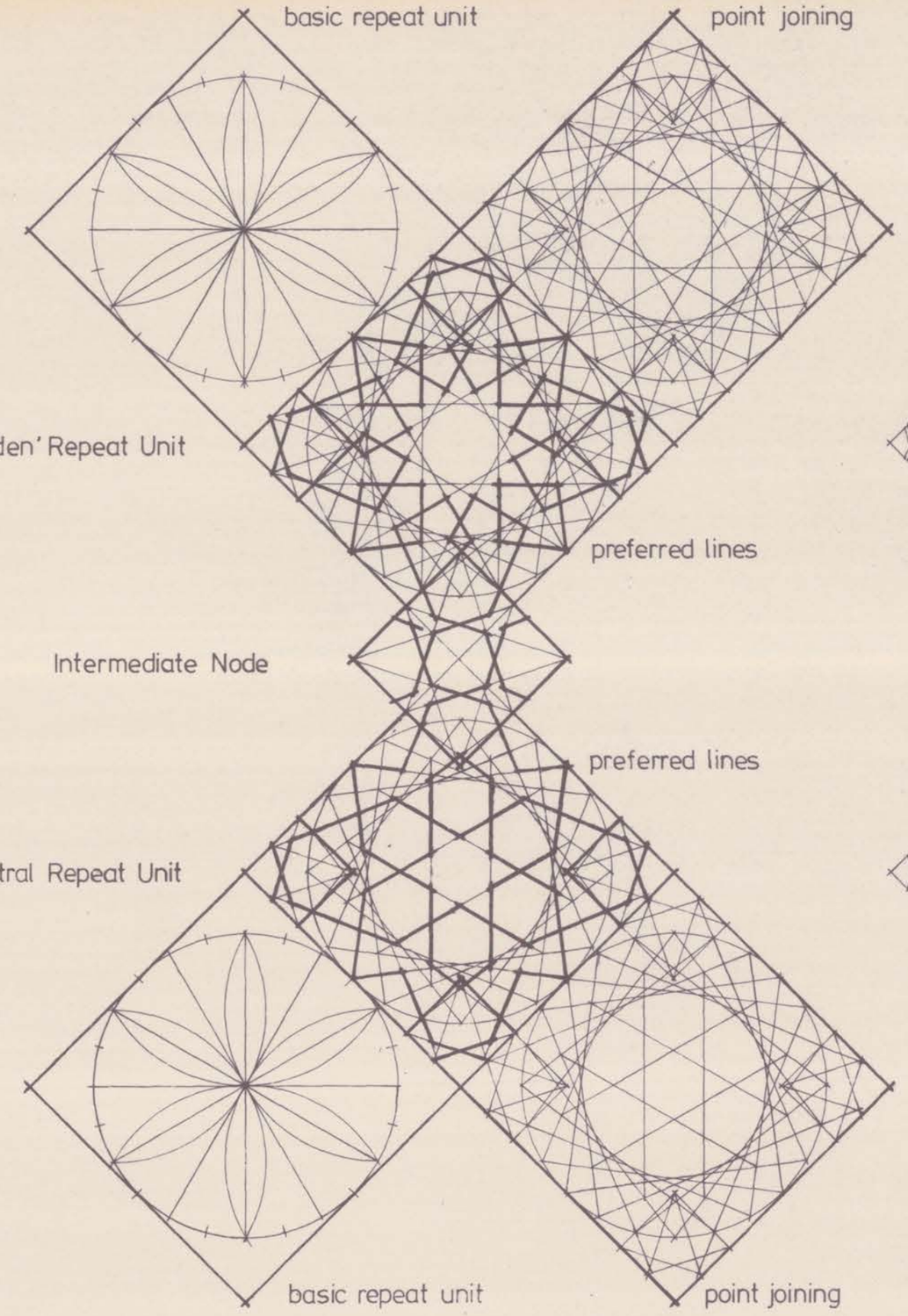
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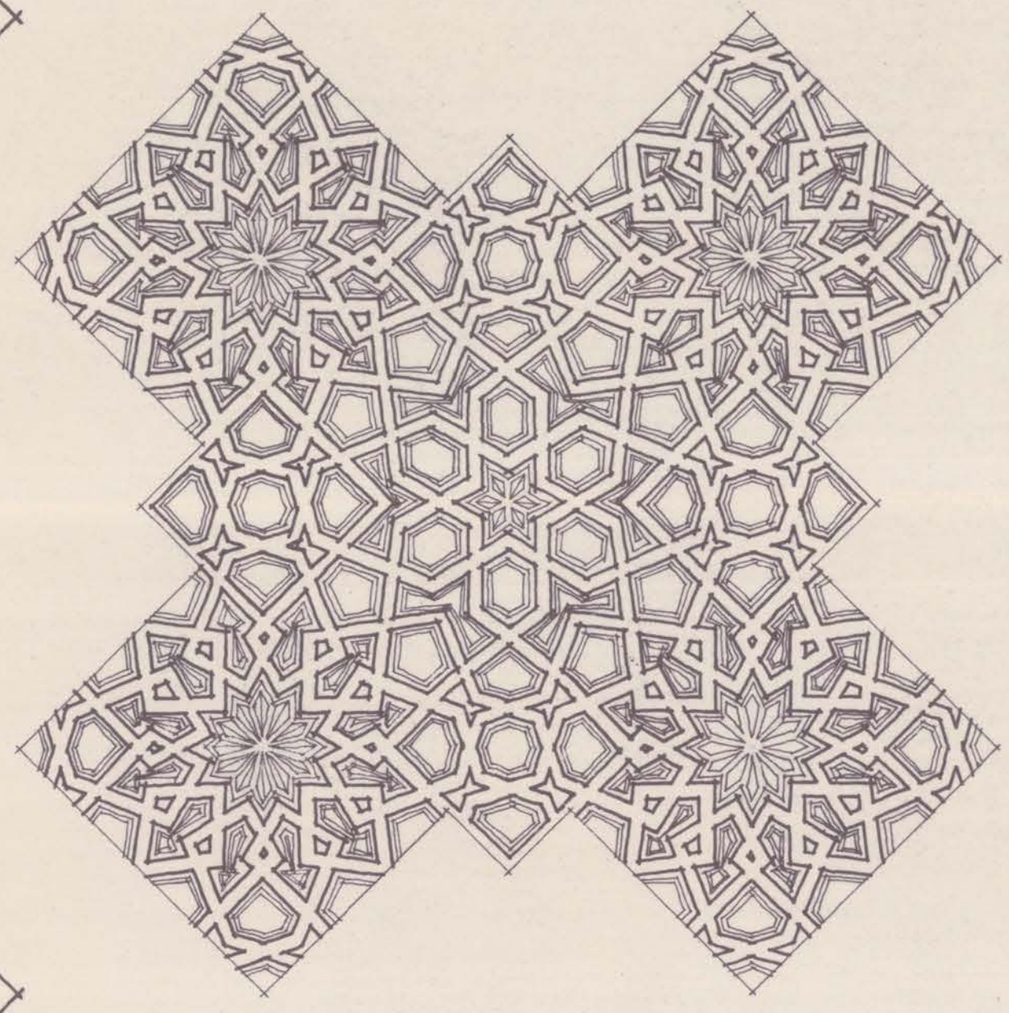
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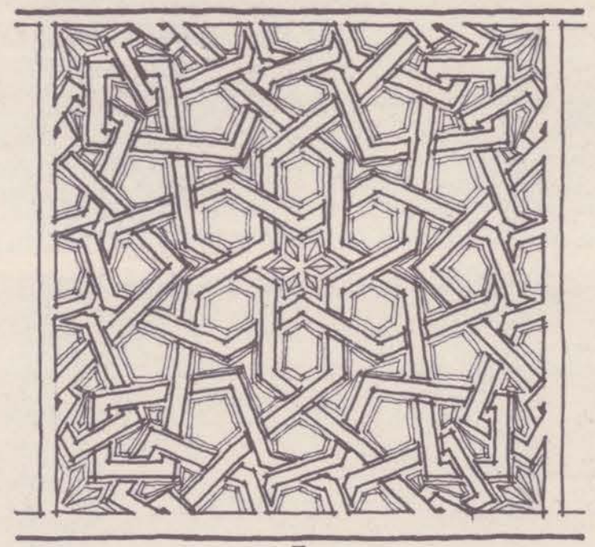
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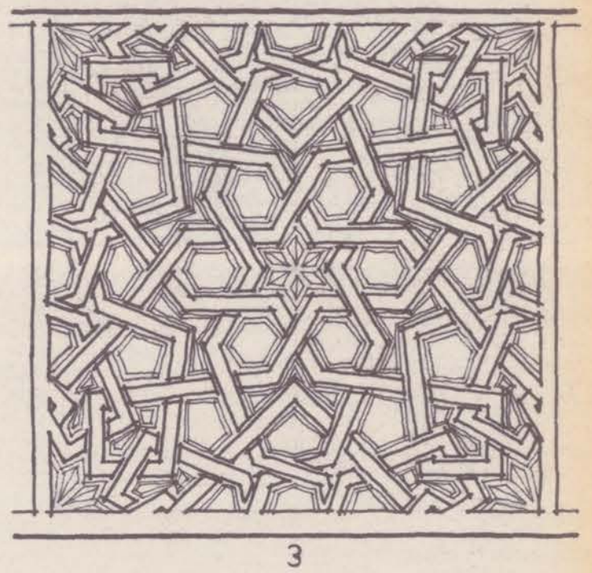
STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PANELS ON THE RIGHT BALUSTRADE. (1,9)

PANELS 3,7
RIGHT SIDE

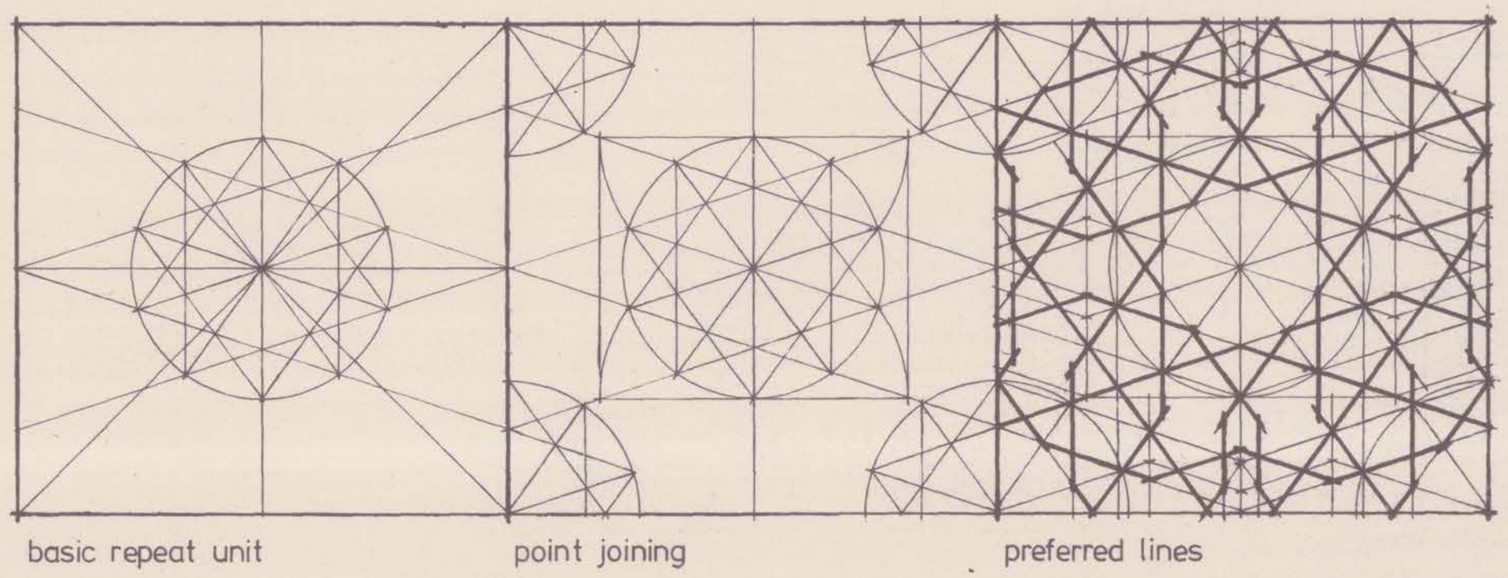


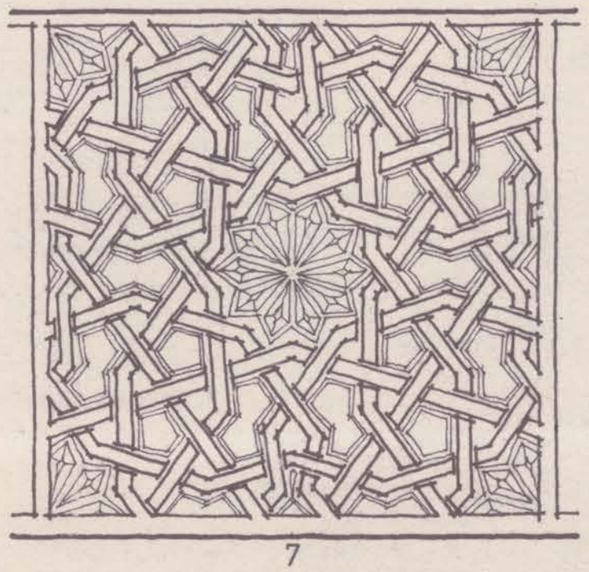



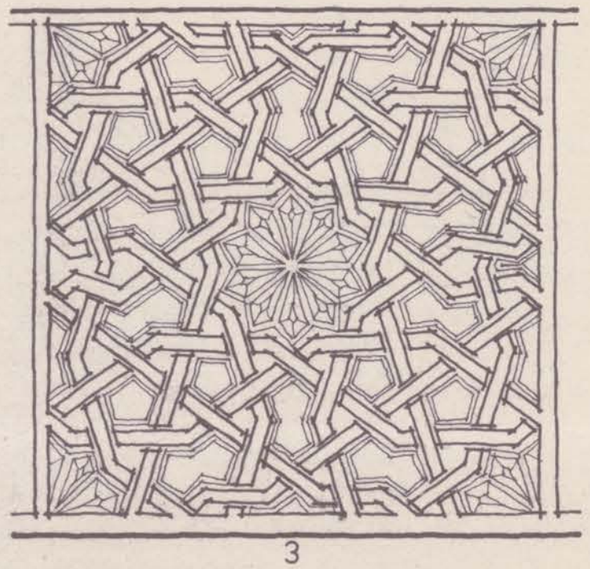

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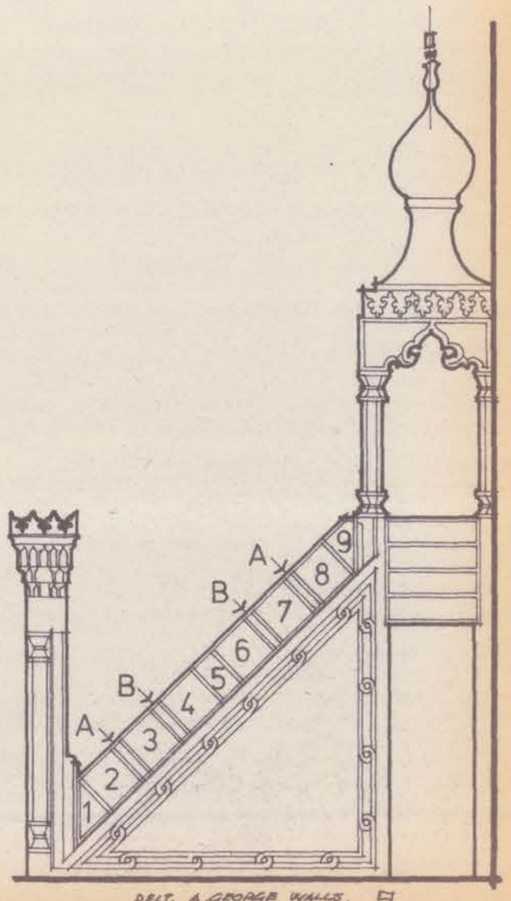

3

PANELS 3,7
LEFT SIDE





7


3

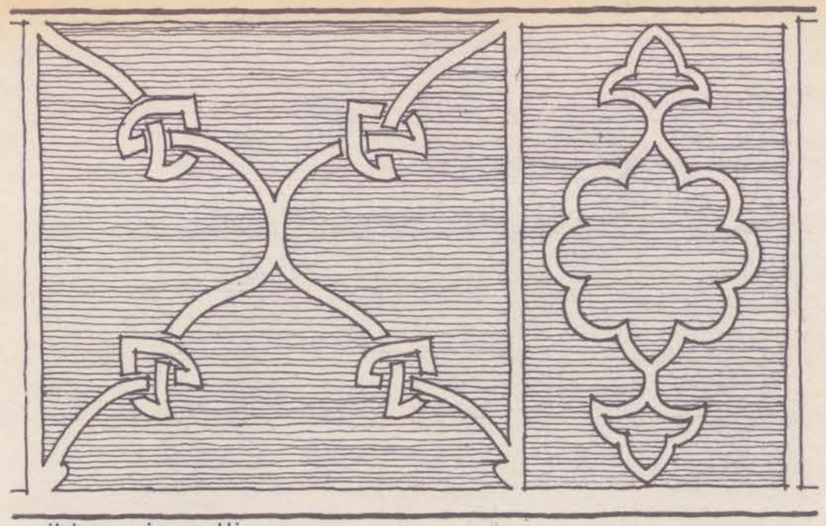



26

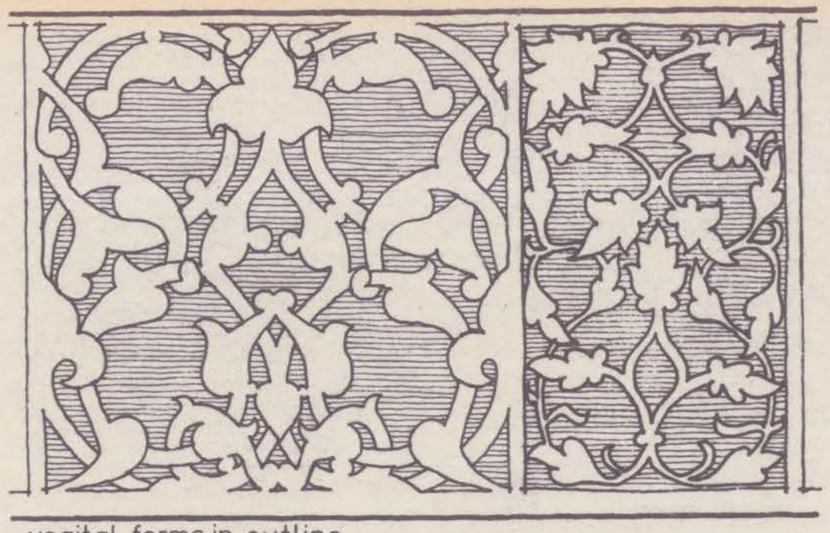
0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PANELS ON THE BALUSTRADES. (L and R 3,7)

PANELS 4,5,6
LEFT SIDE



ribbons in outline

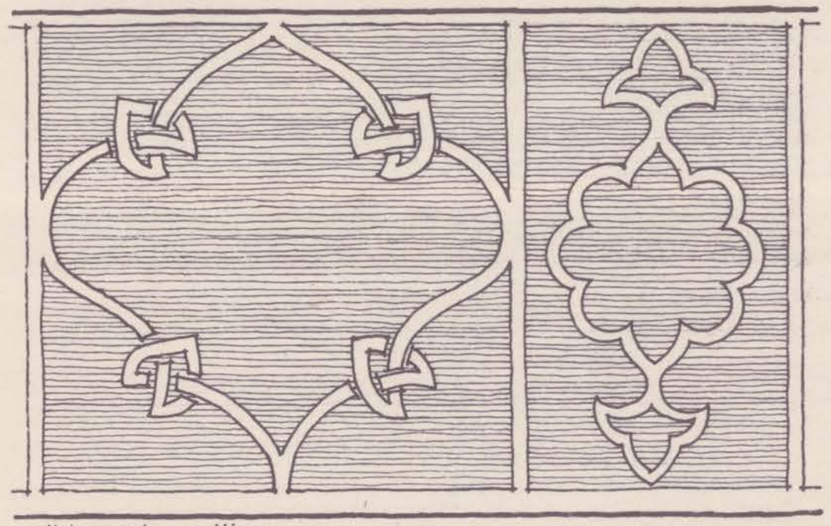


vegital forms in outline

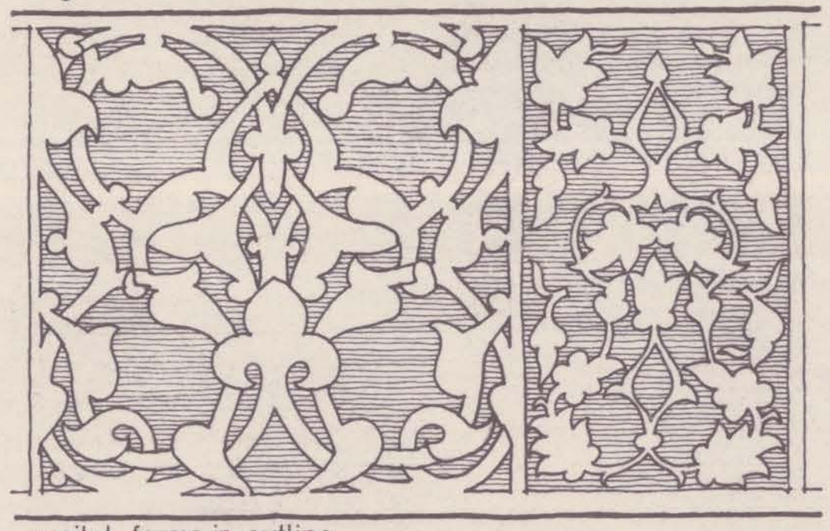


composite L6 L5 L4

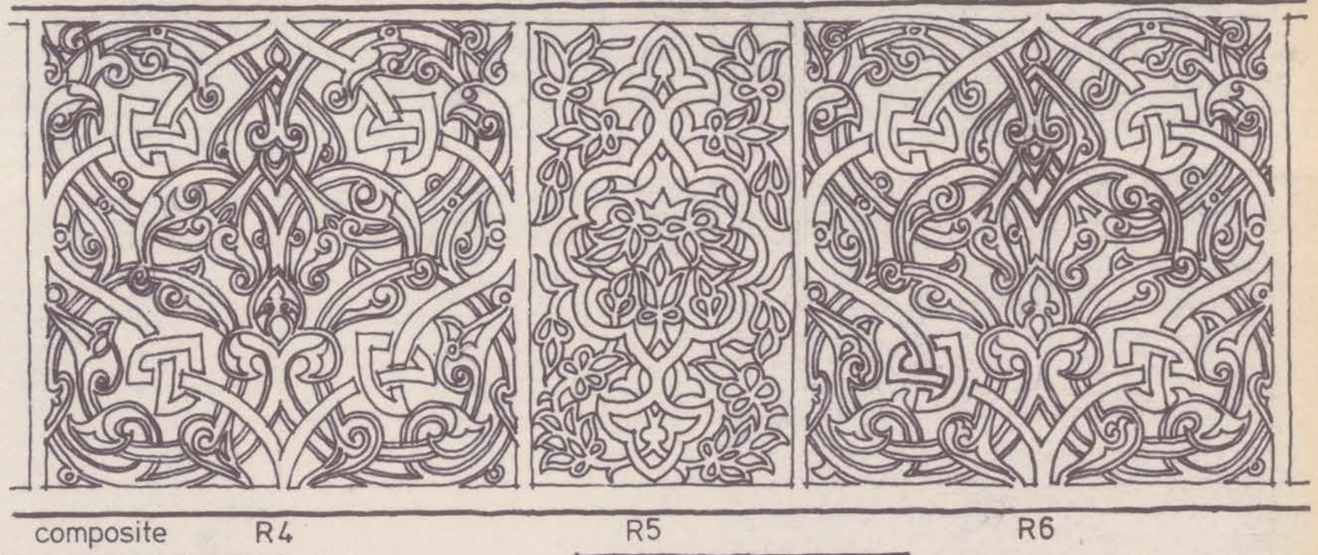
PANELS 4,5,6
RIGHT SIDE



ribbons in outline

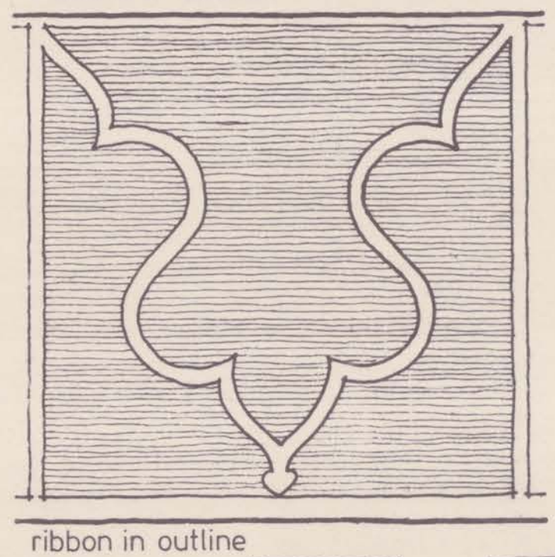


vegital forms in outline

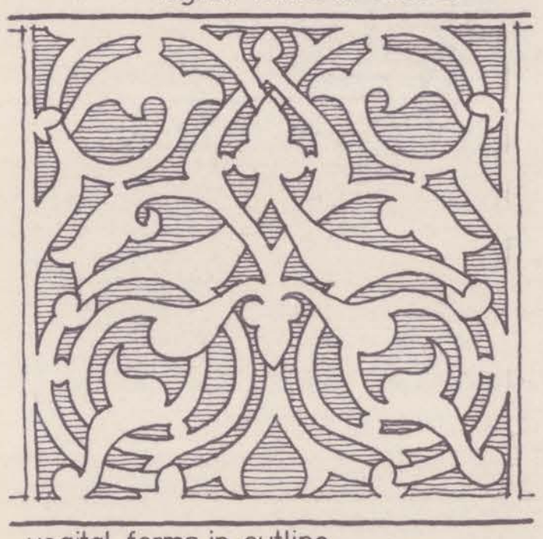


composite R4 R5 R6

PANELS 2,8
LEFT AND RIGHT
SIDES



ribbon in outline

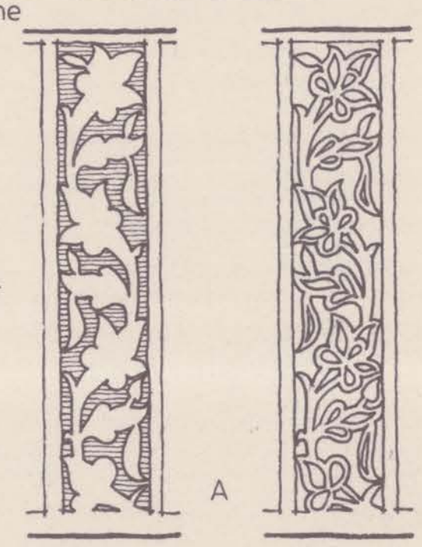


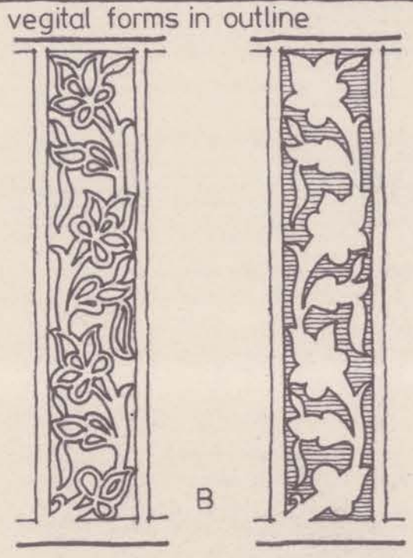
vegital forms in outline



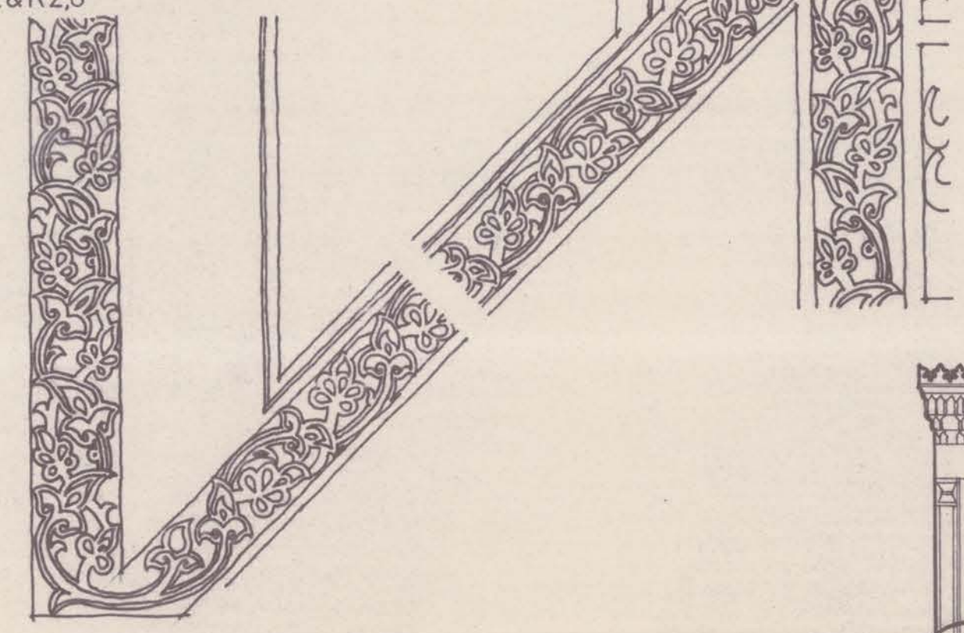
composite L&R2,8

PANELS A,B
LEFT AND RIGHT
SIDES

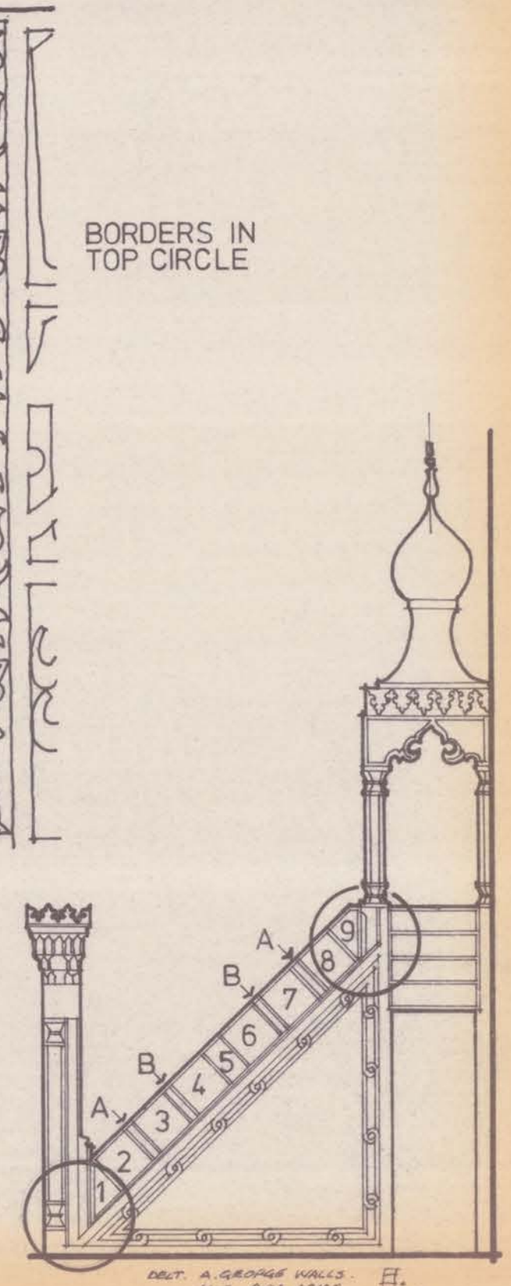



BORDERS IN
LOWER CIRCLE



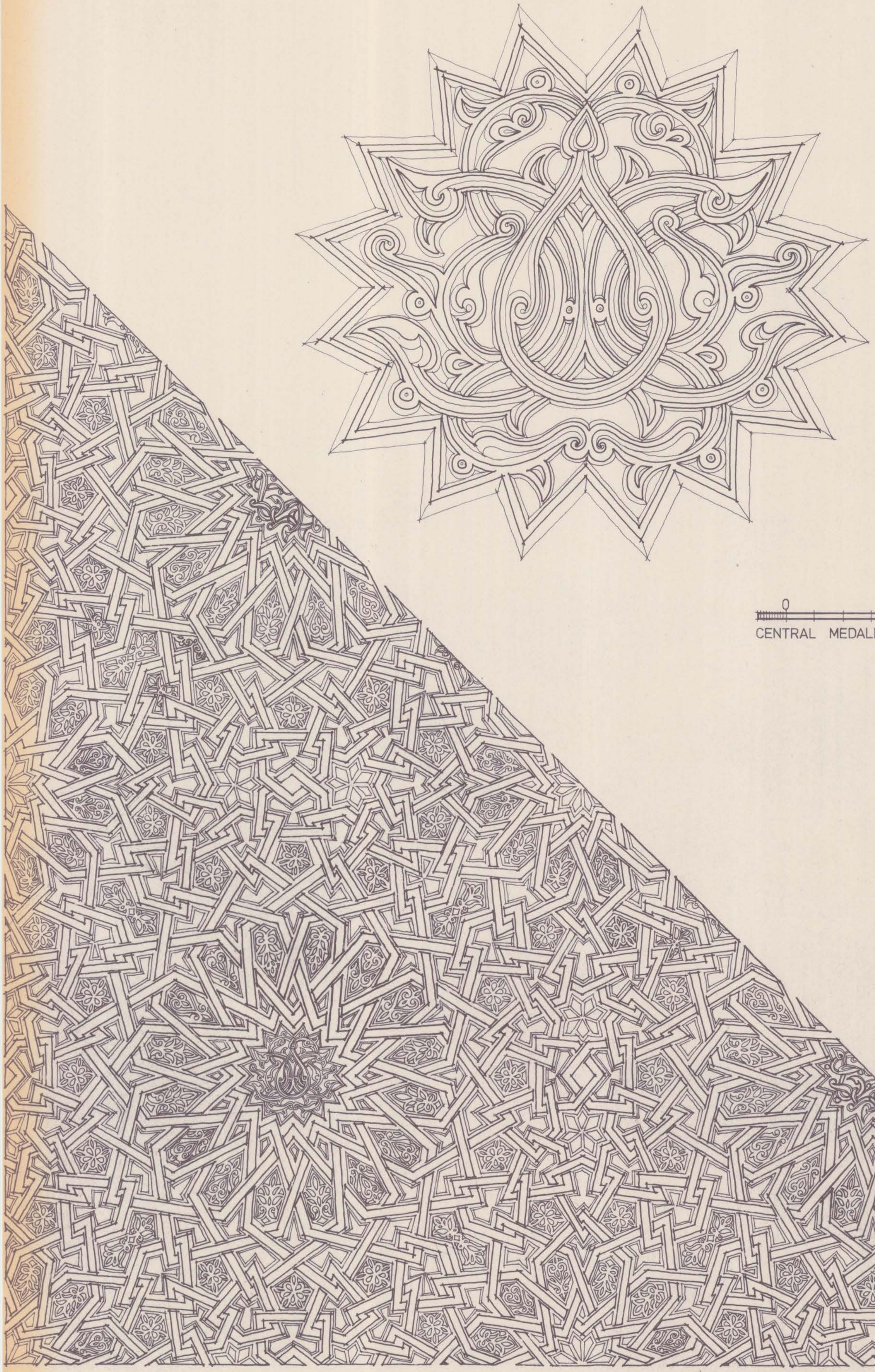
BORDERS IN
TOP CIRCLE




0·1 0 0·1 0·2 0·3 0·4 0·5m.

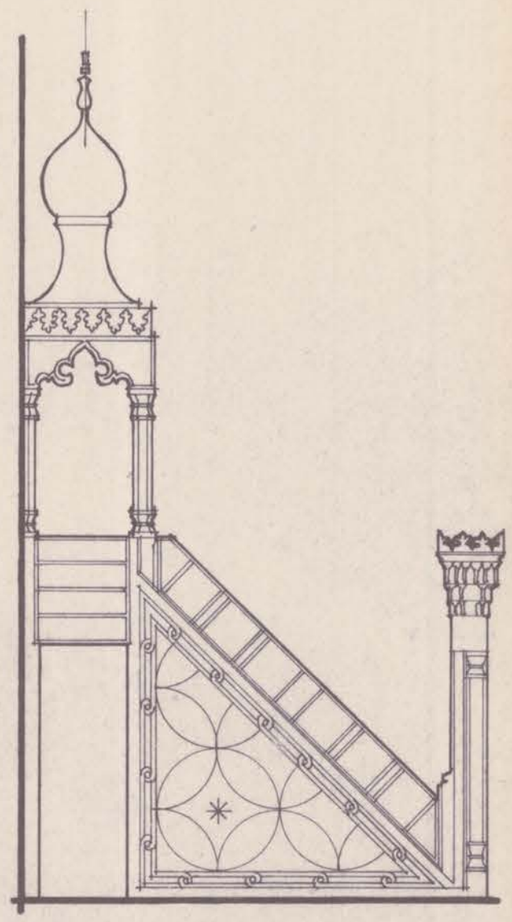
STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PANELS ON THE BALUSTRADES (L and R 2,4,5,6,8,A and B)

DEPT. A. GEORGE WALLS. M.Sc., RIBA, ARIAS, FSA(SCOT).



0 0·05 0·1m.

CENTRAL MEDALLION



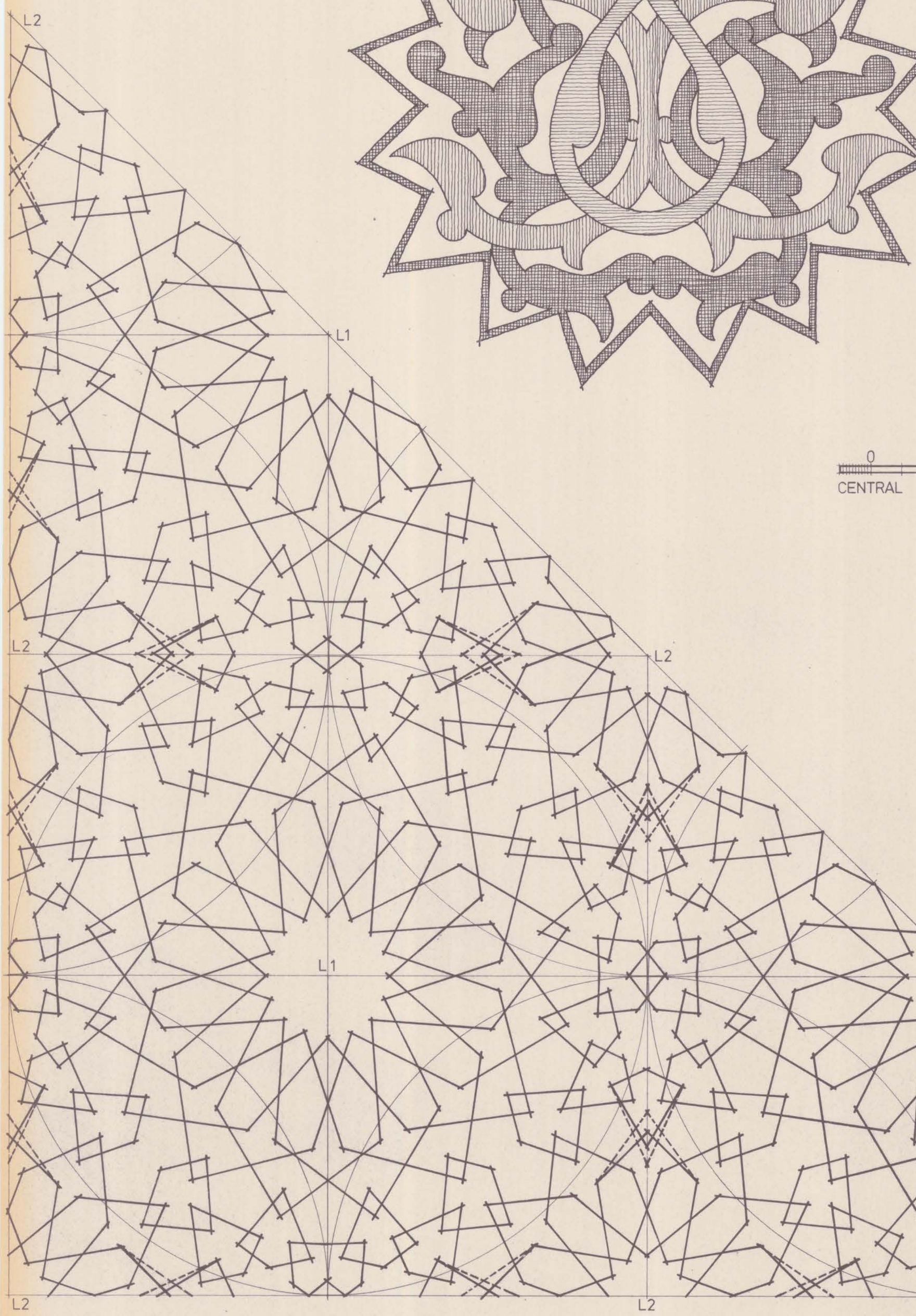
0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE.



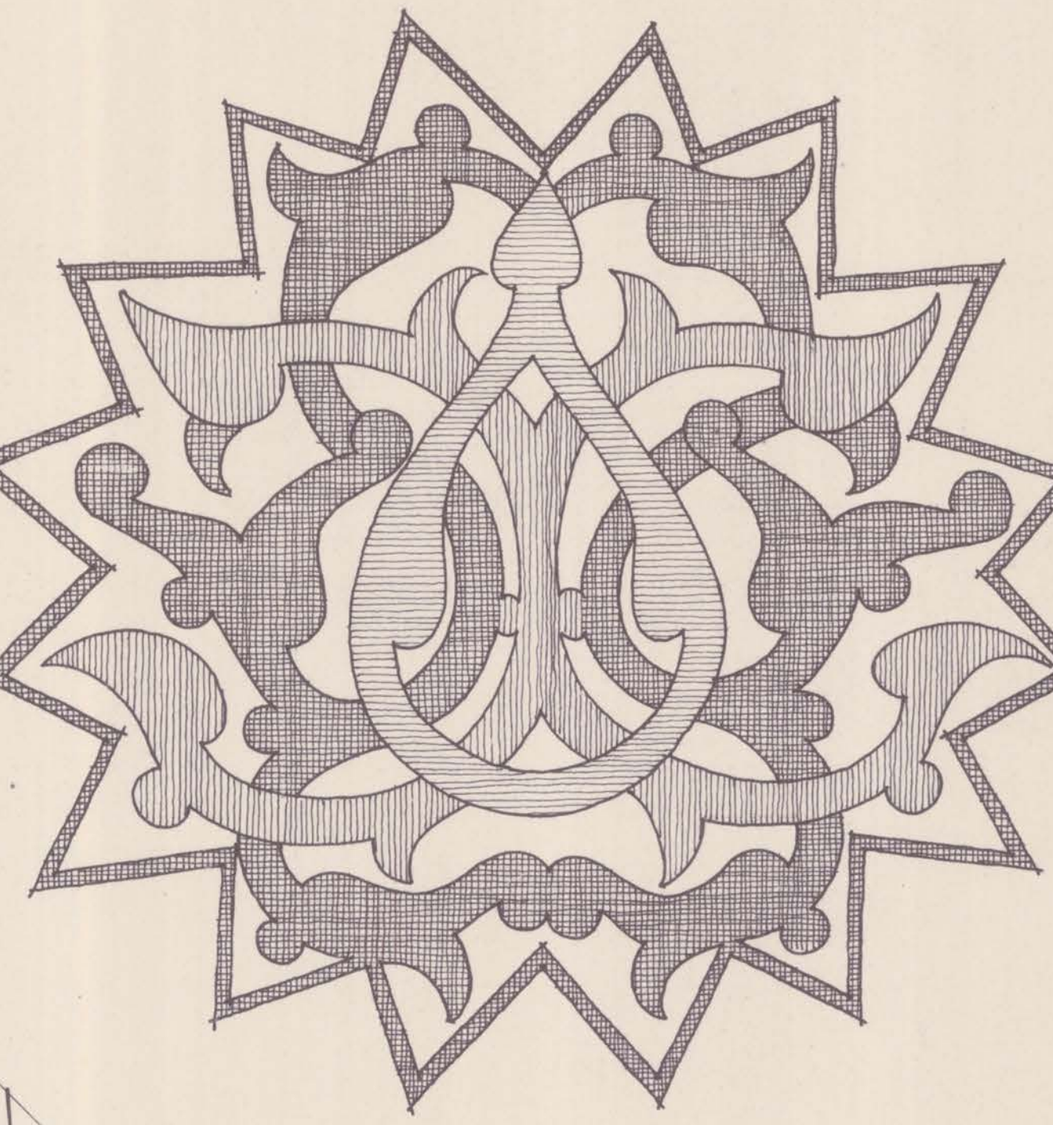
DELT. A. GEORGE WALLS, M.Sc, RIBA, A.R.I.A.S, F.S.A. (SCOT).

'78.



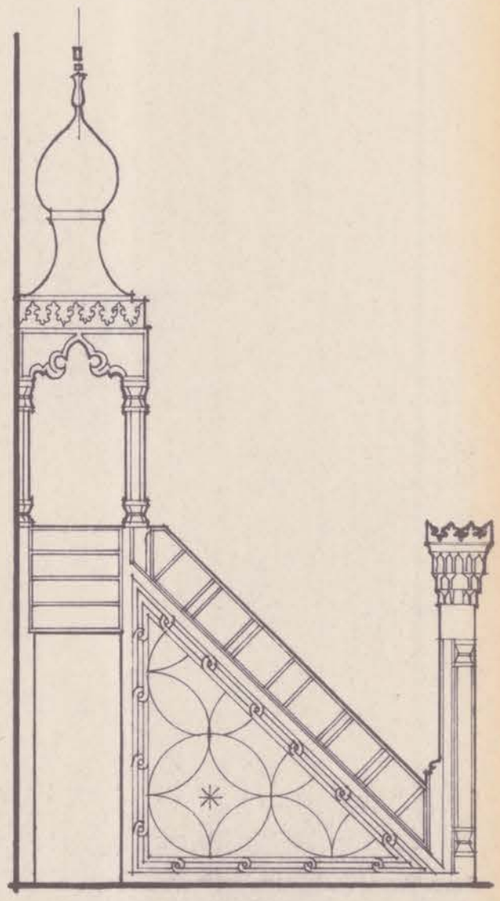

RELIEF PLANES

upper
intermediate
lower



0 0·05 0·1m.

CENTRAL MEDALLION



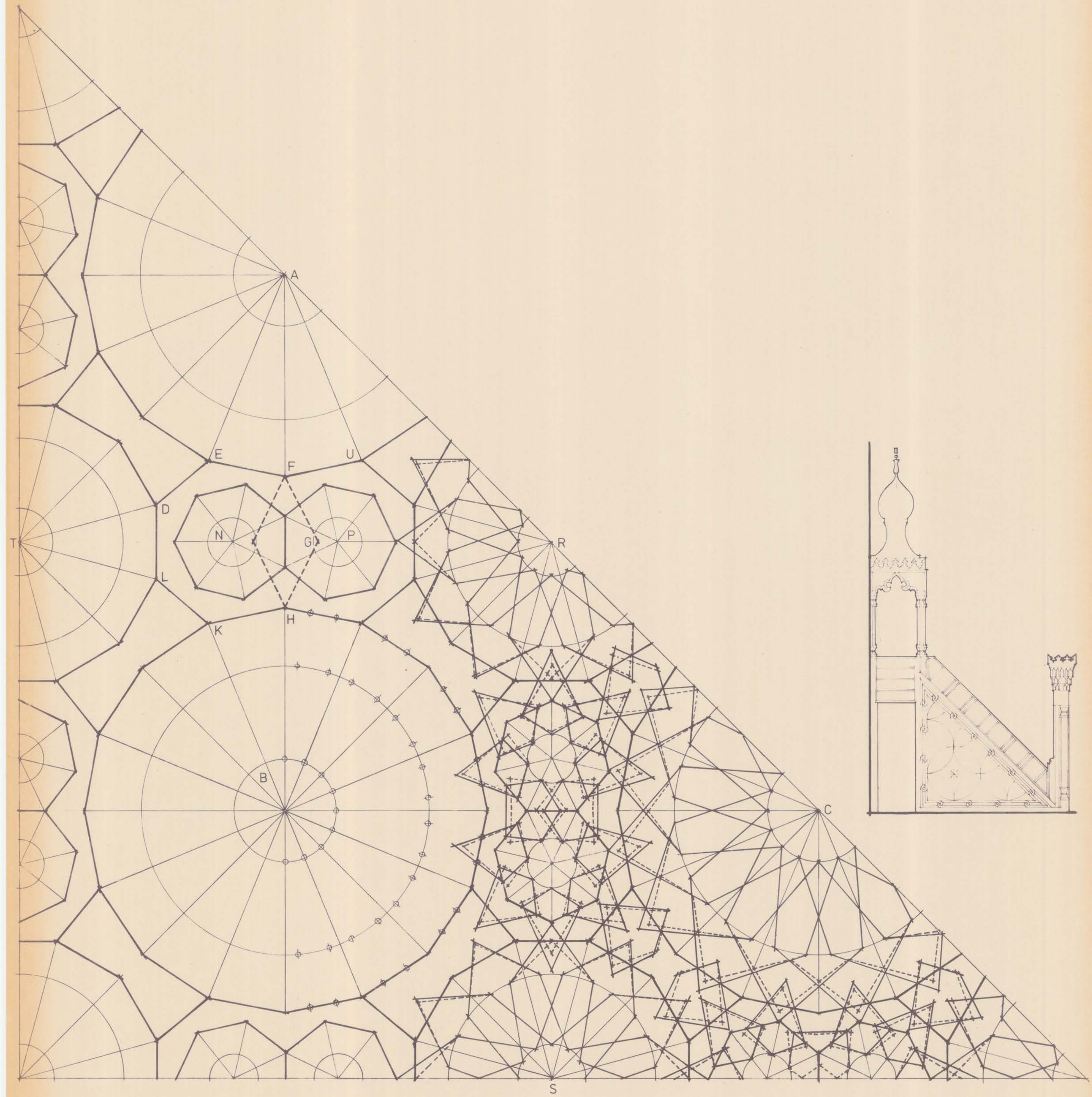
------- deviations from L2's Preferred Lines

0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNITS COMBINED)

100

DELT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, F.S.A.(SCOT). 1:1 '78.




------- deviations from actual composition

0·1 0 0·1 0·2 0·3 0·4 0·5m.

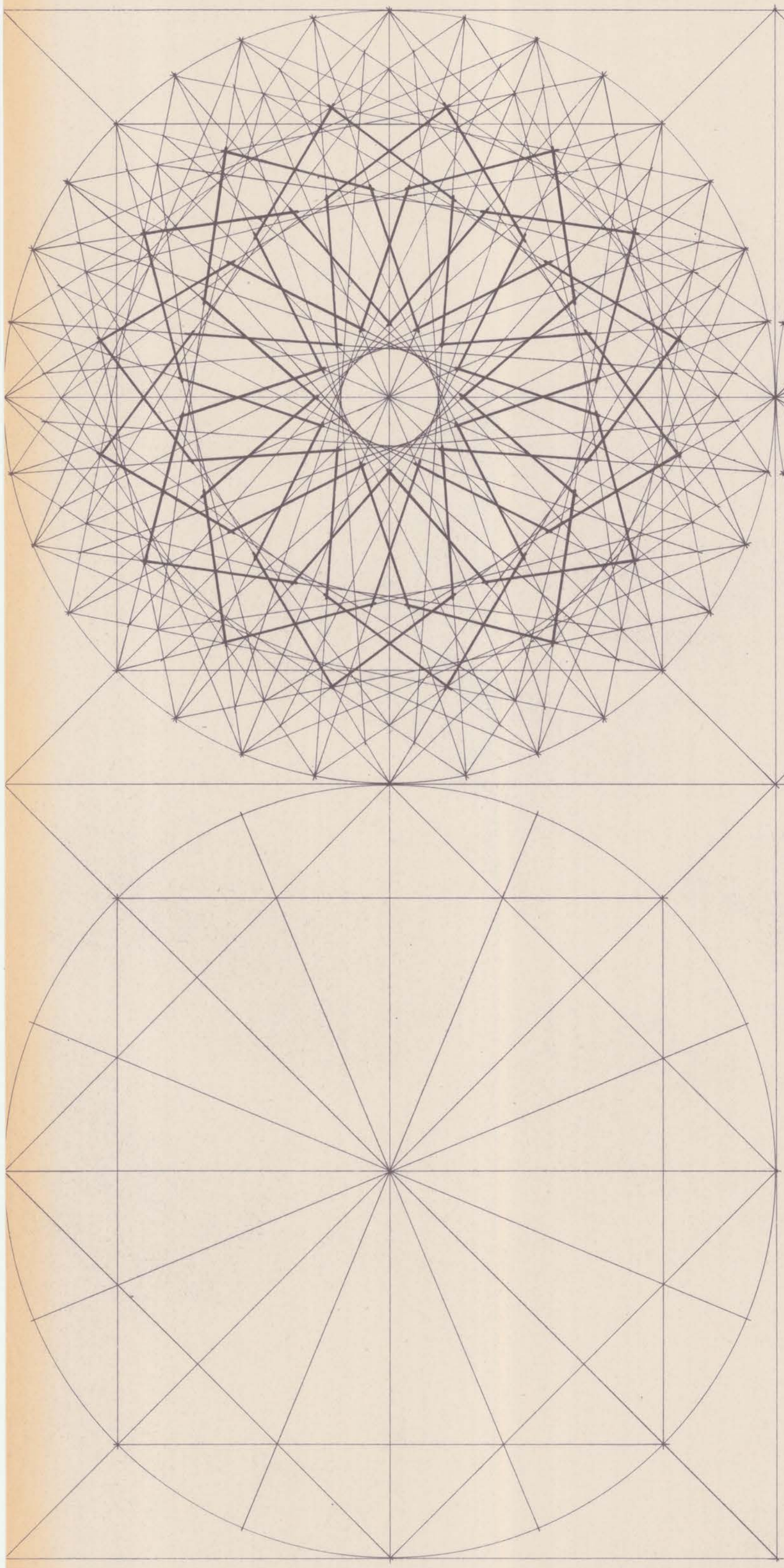
STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE AFTER HANKIN'S CONSTRUCTIONS.

101

DELT. A. GEORGE WALLS, M.Sc., RIBA, A.R.I.A.S., F.S.A.(SCOT.)

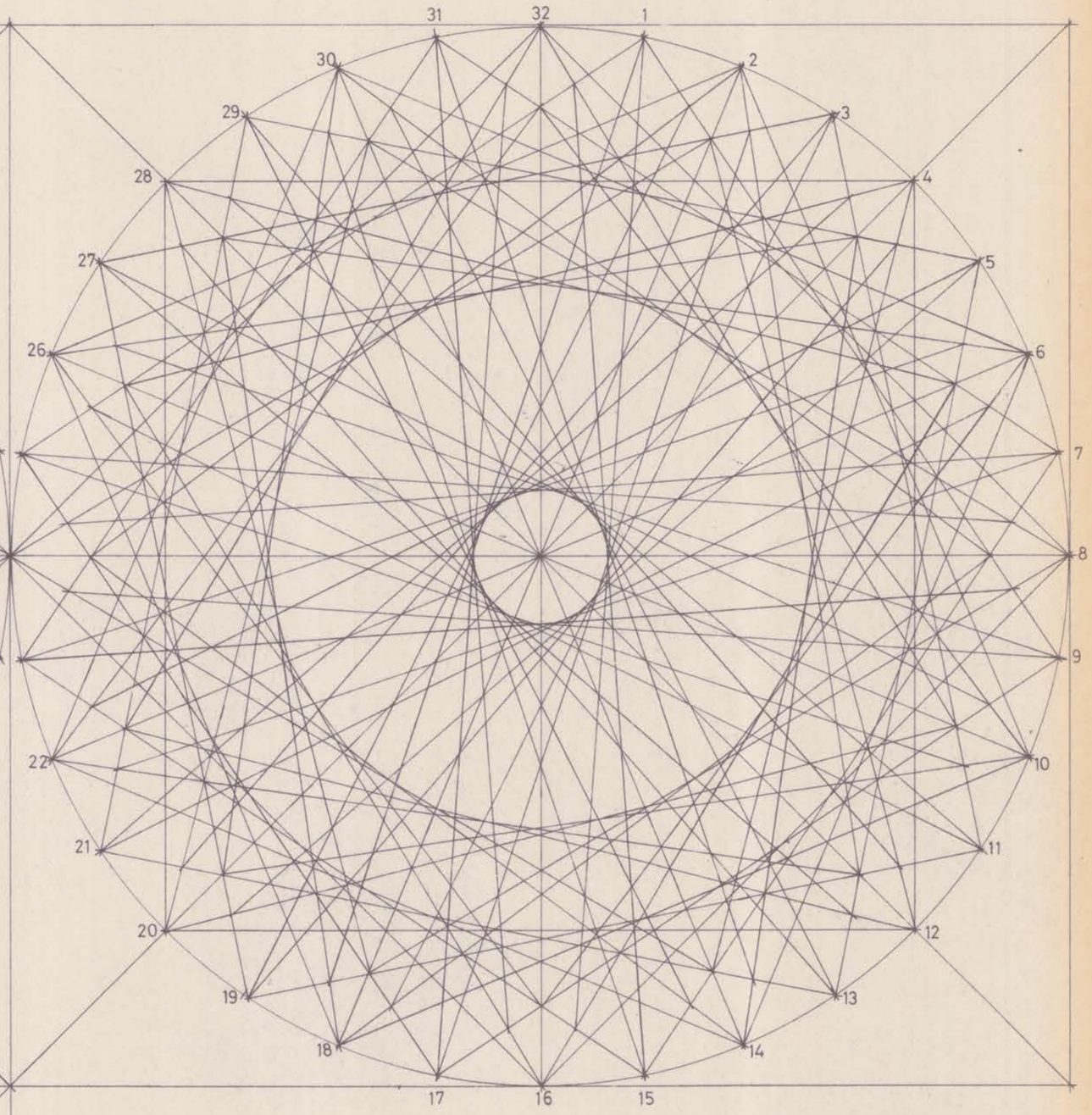
HMH 1/78

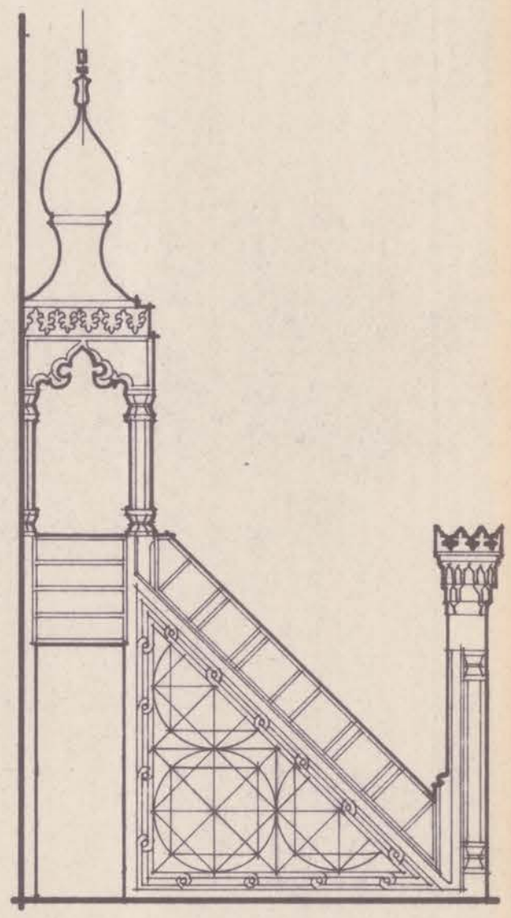
PREFERRED LINES



BASIC REPEAT UNIT

POINT JOINING



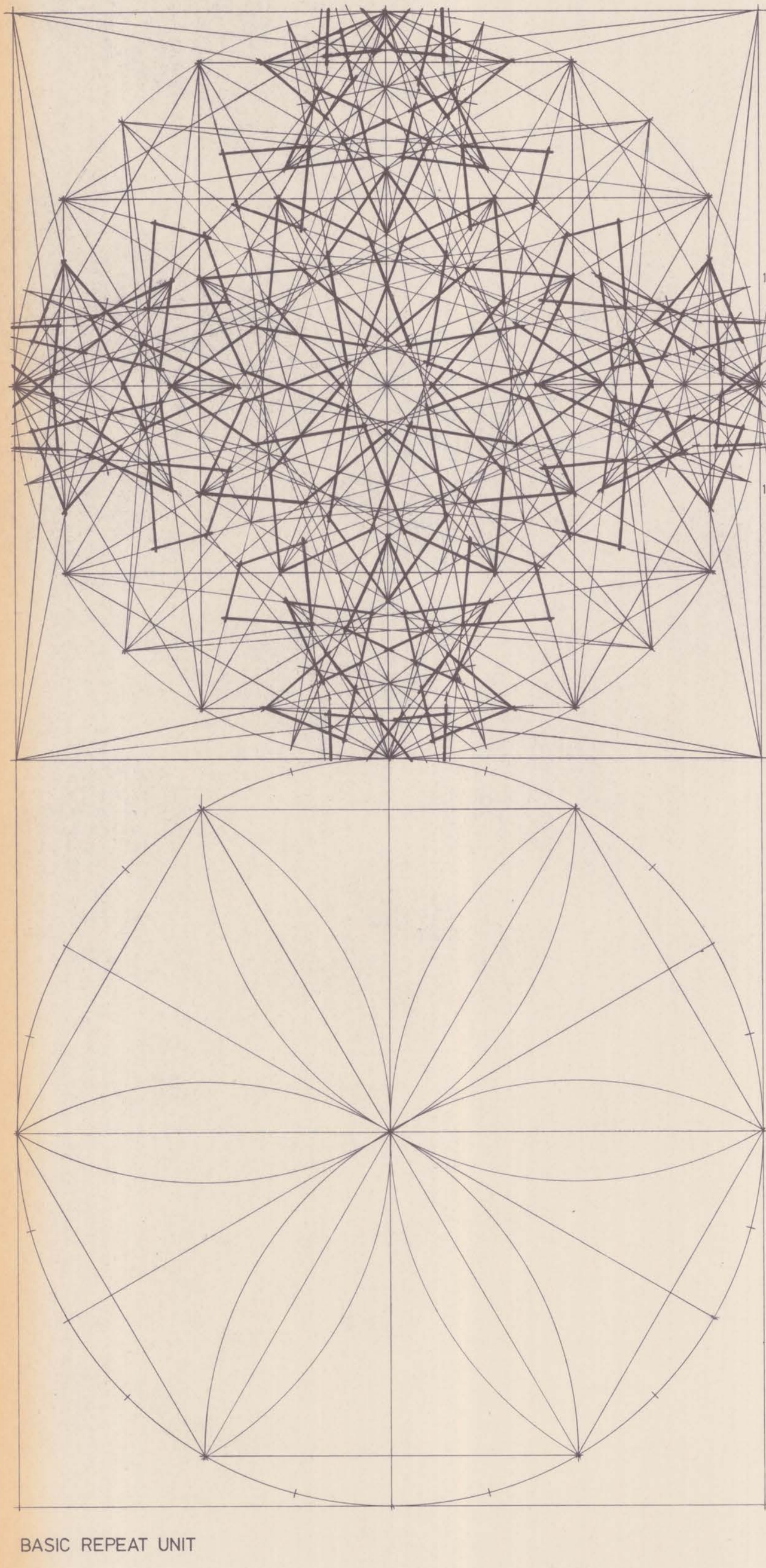
0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNIT L1's GEOMETRY)

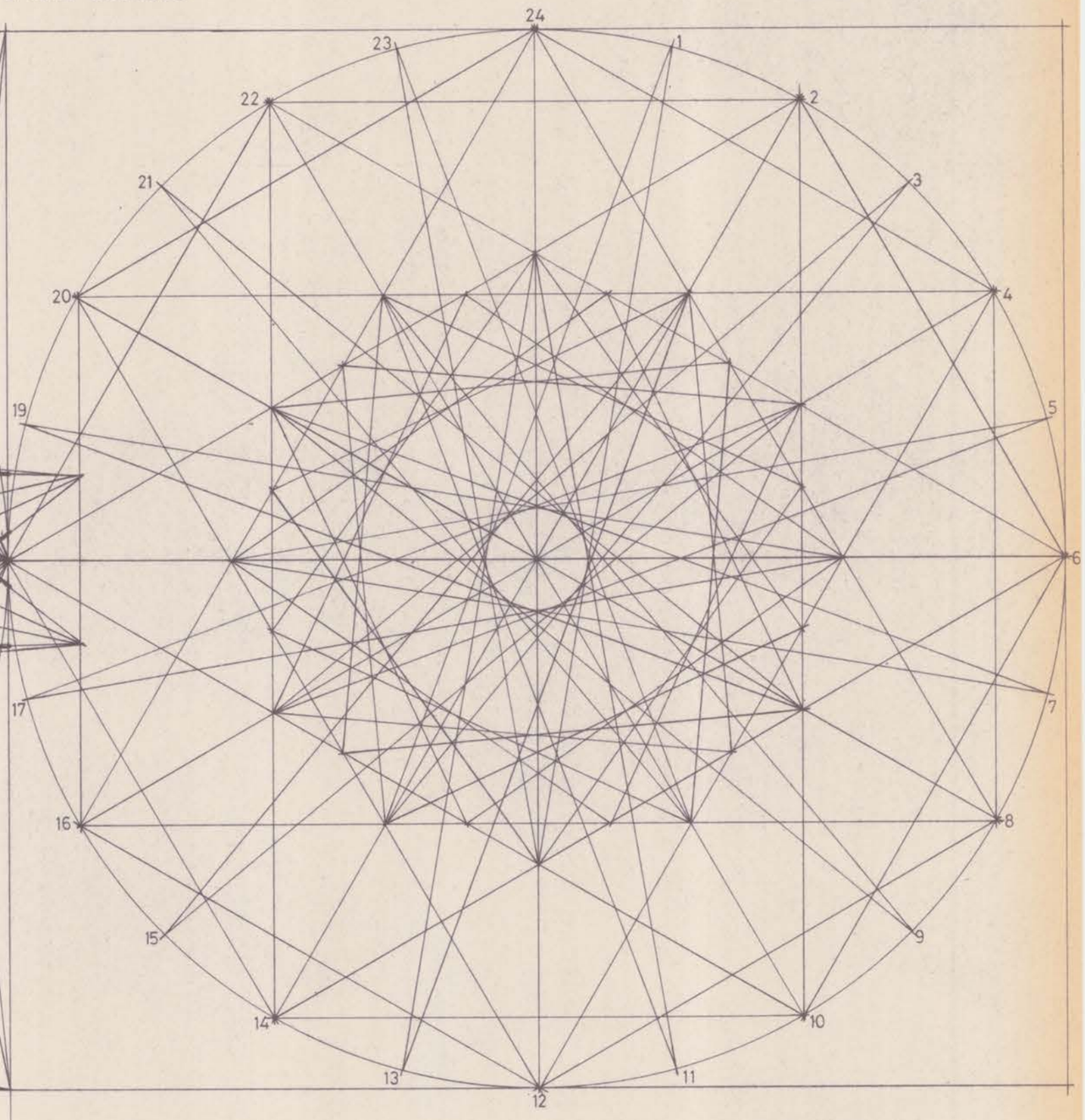
**102**

DELT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, F.S.A.(SCOT). 1:1 '78

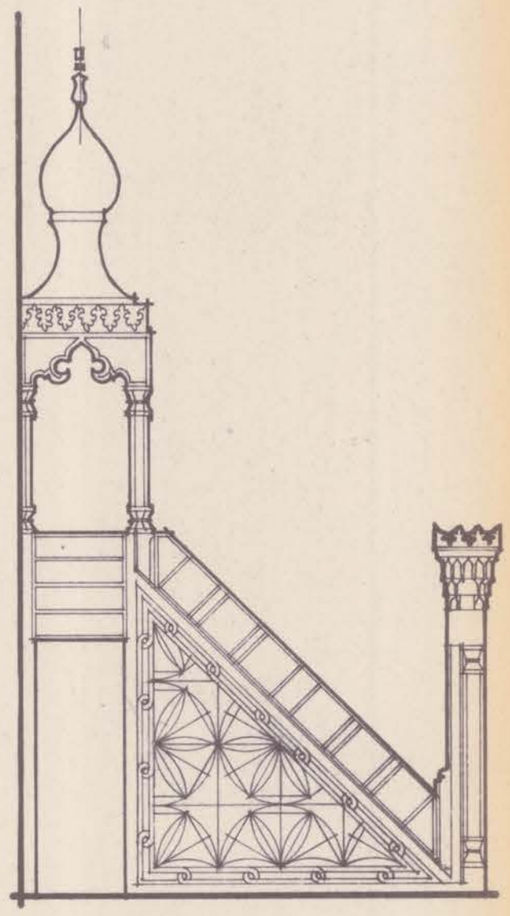
PREFERRED LINES



POINT JOINING





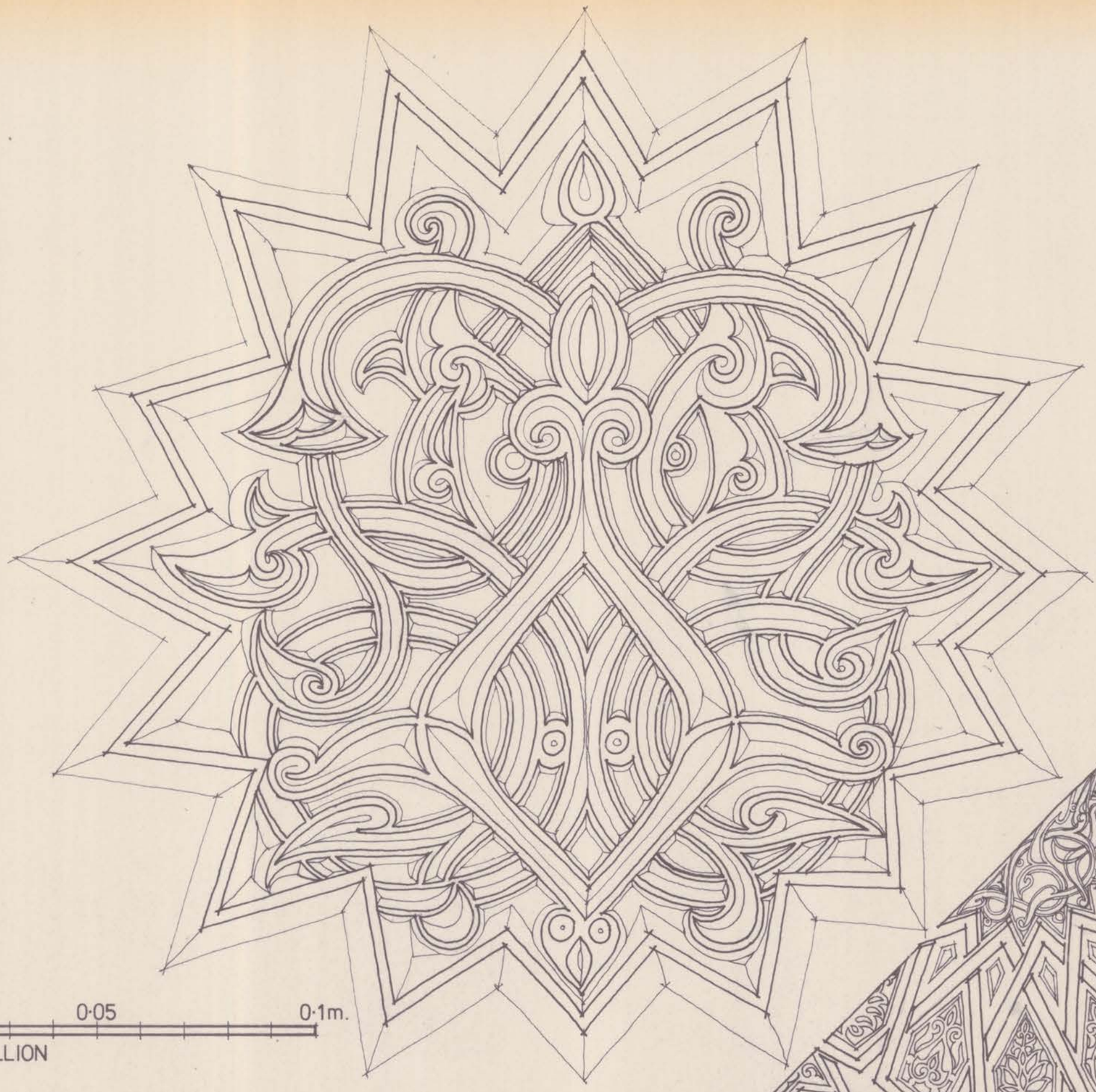
BASIC REPEAT UNIT

0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE LEFT SIDE. (REPEAT UNIT L2's GEOMETRY)

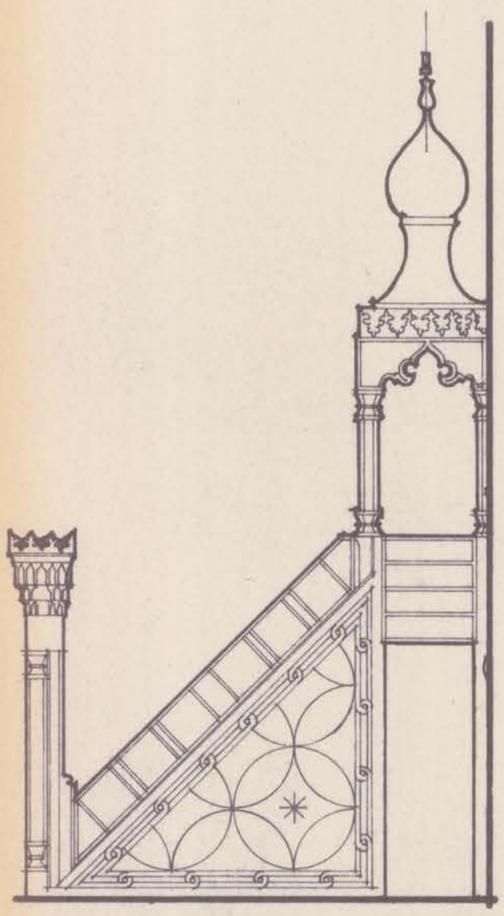
**103**

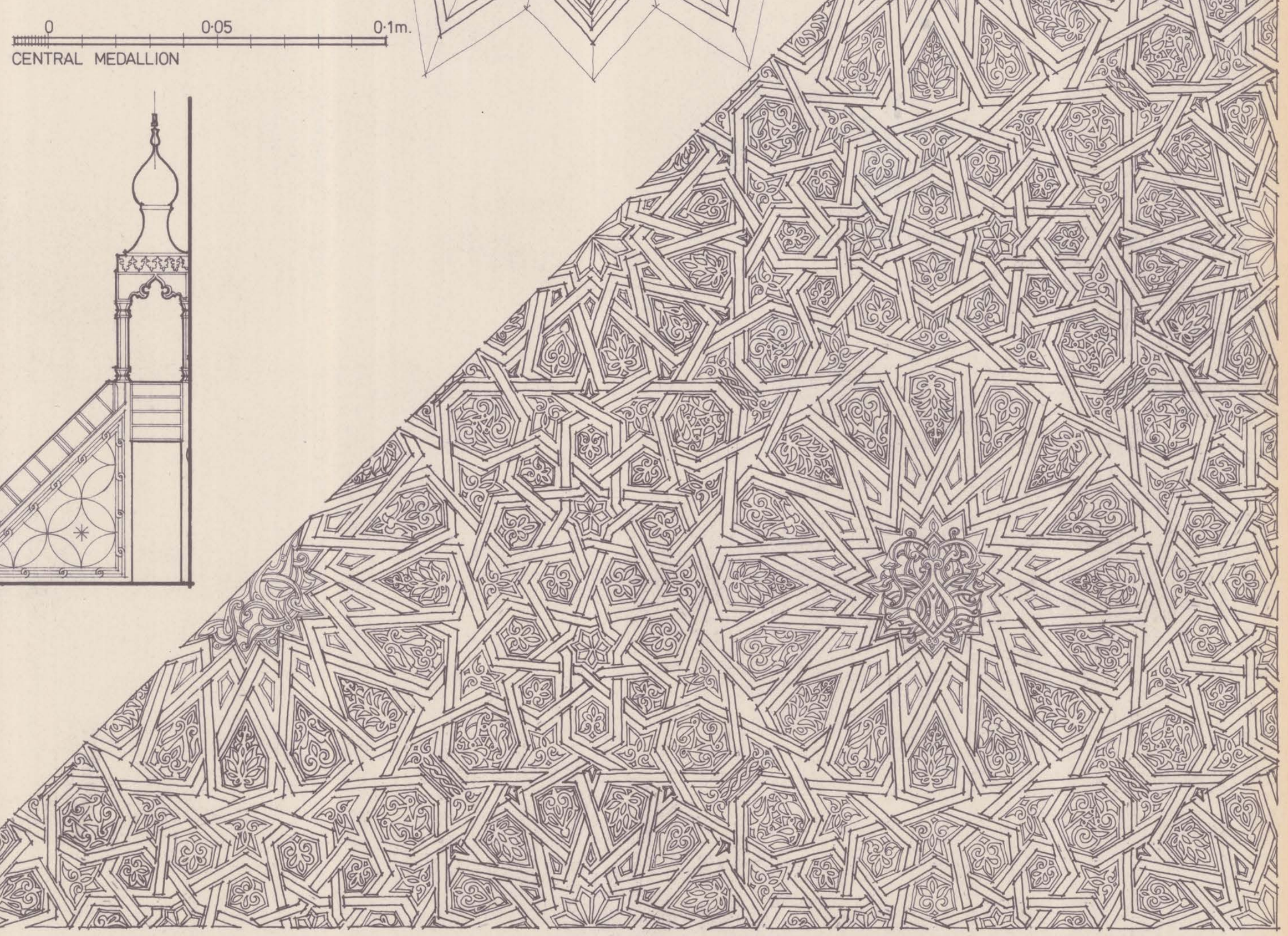
DRLT. A. GEORGE WALLS, M. Ed., RIBA, AMIAS, F.S.A. (SCOT.). 1978.



0 0·05 0·1m.

CENTRAL MEDALLION





0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE.

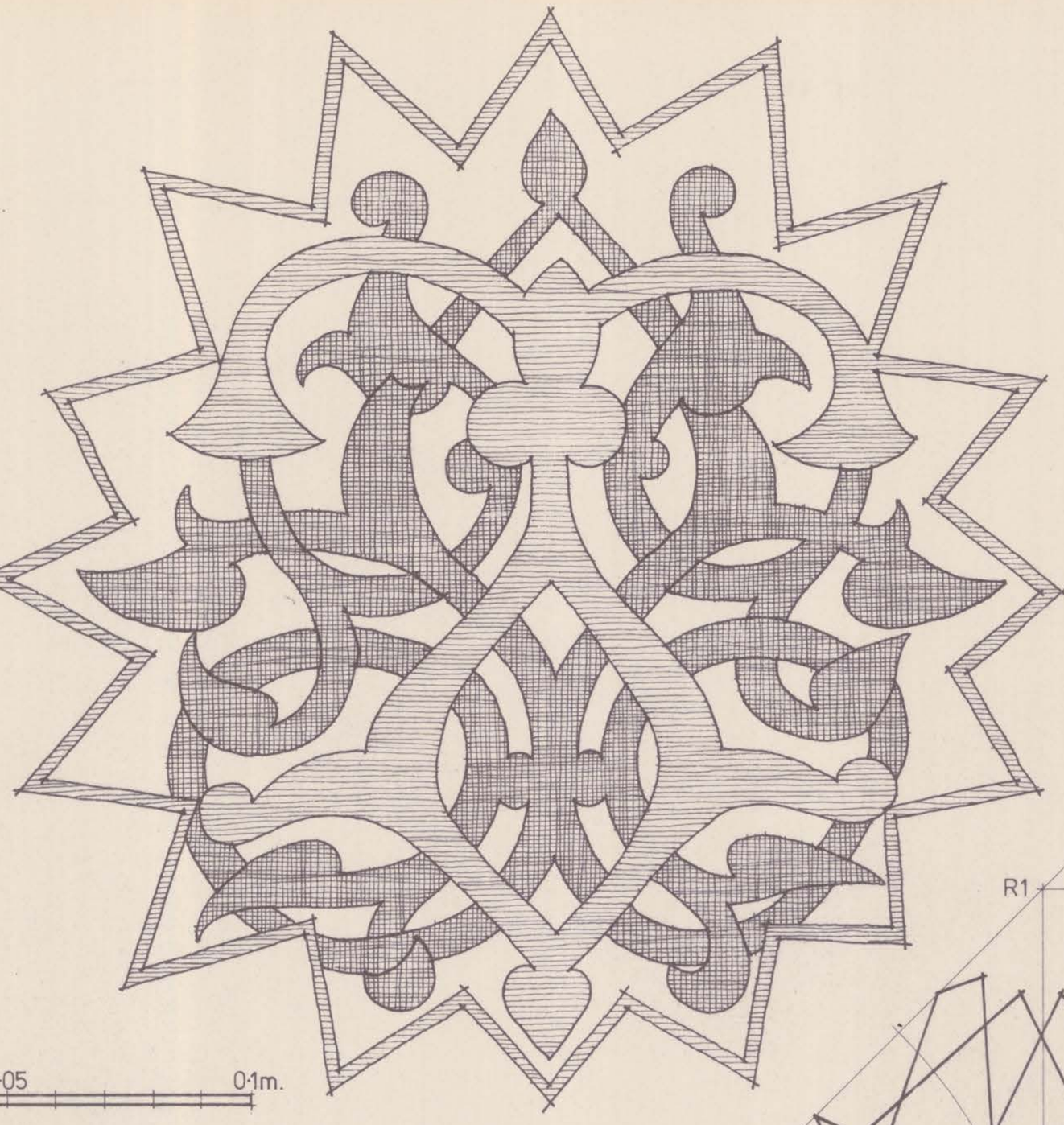
**104**

DRLT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, F.S.A.(SCOT.). '78.

RELIEF PLANES

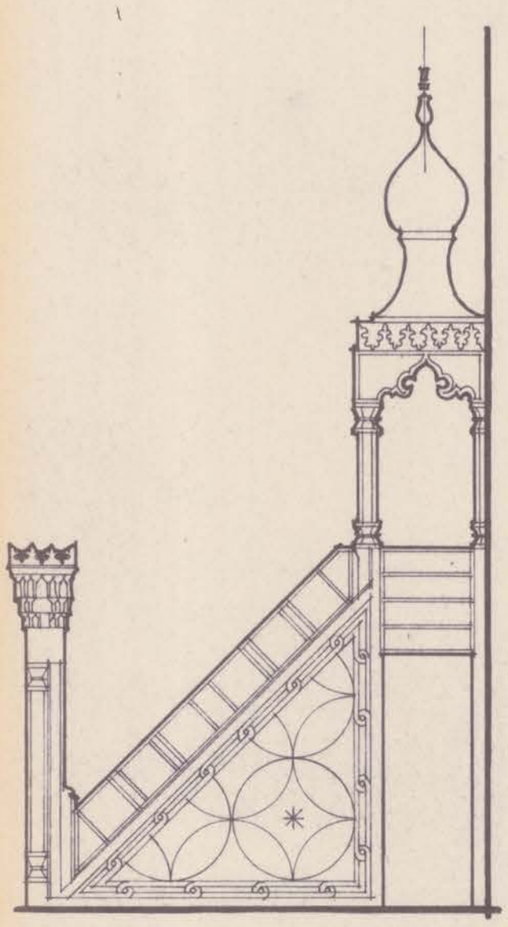
upper

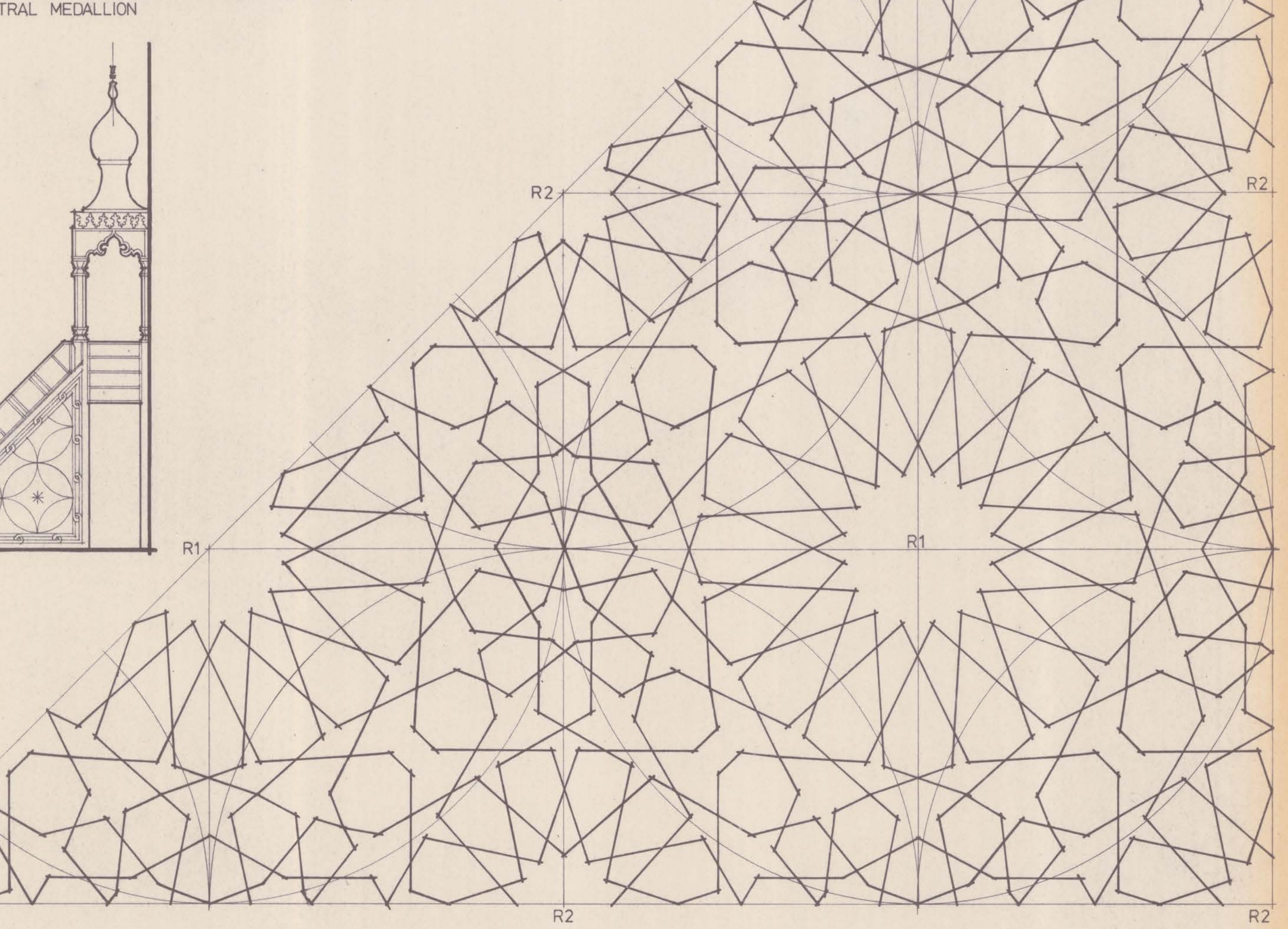
lower



0 0·05 0·1m.

CENTRAL MEDALLION





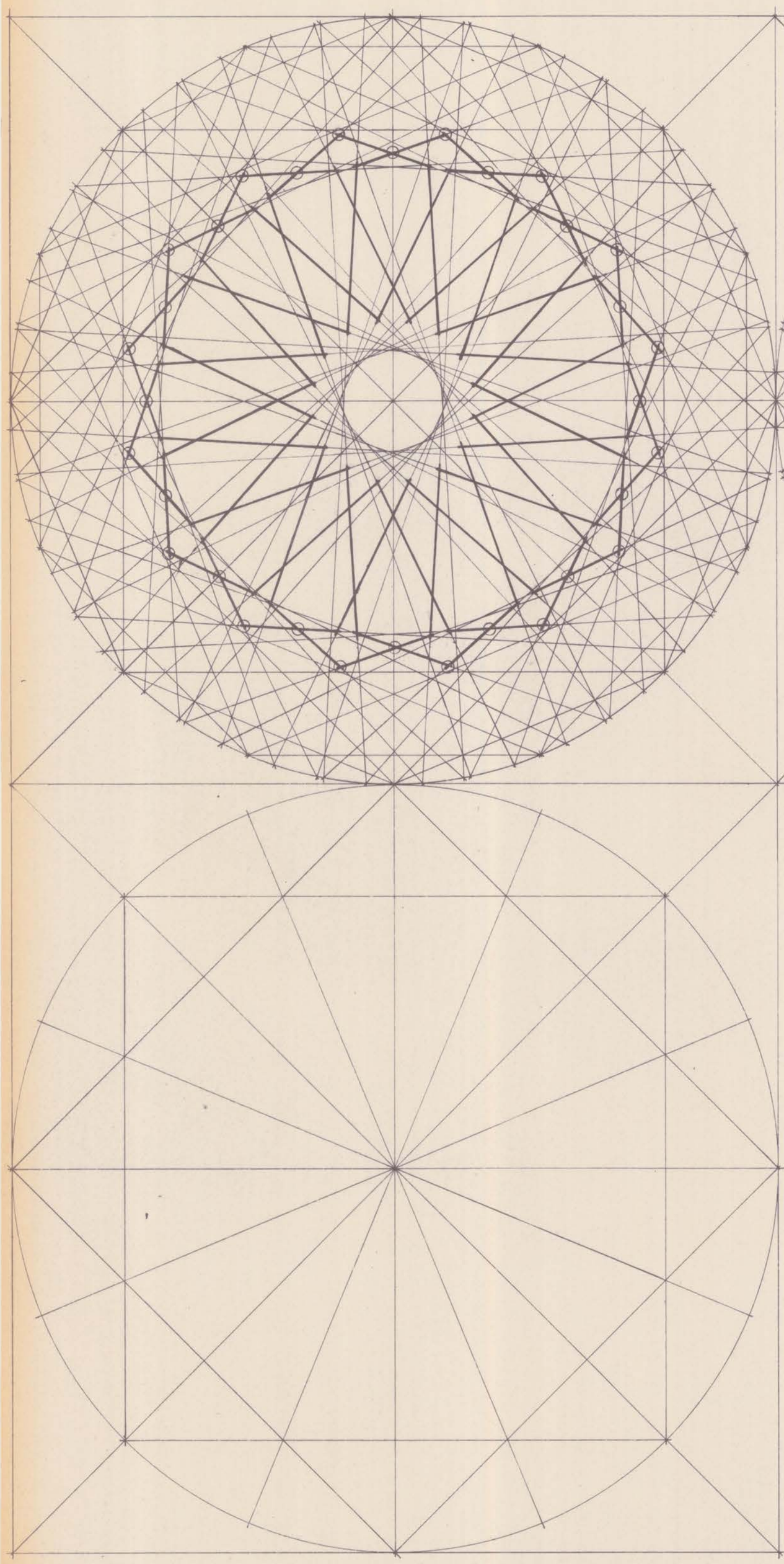

0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE. (REPEAT UNITS COMBINED)

105

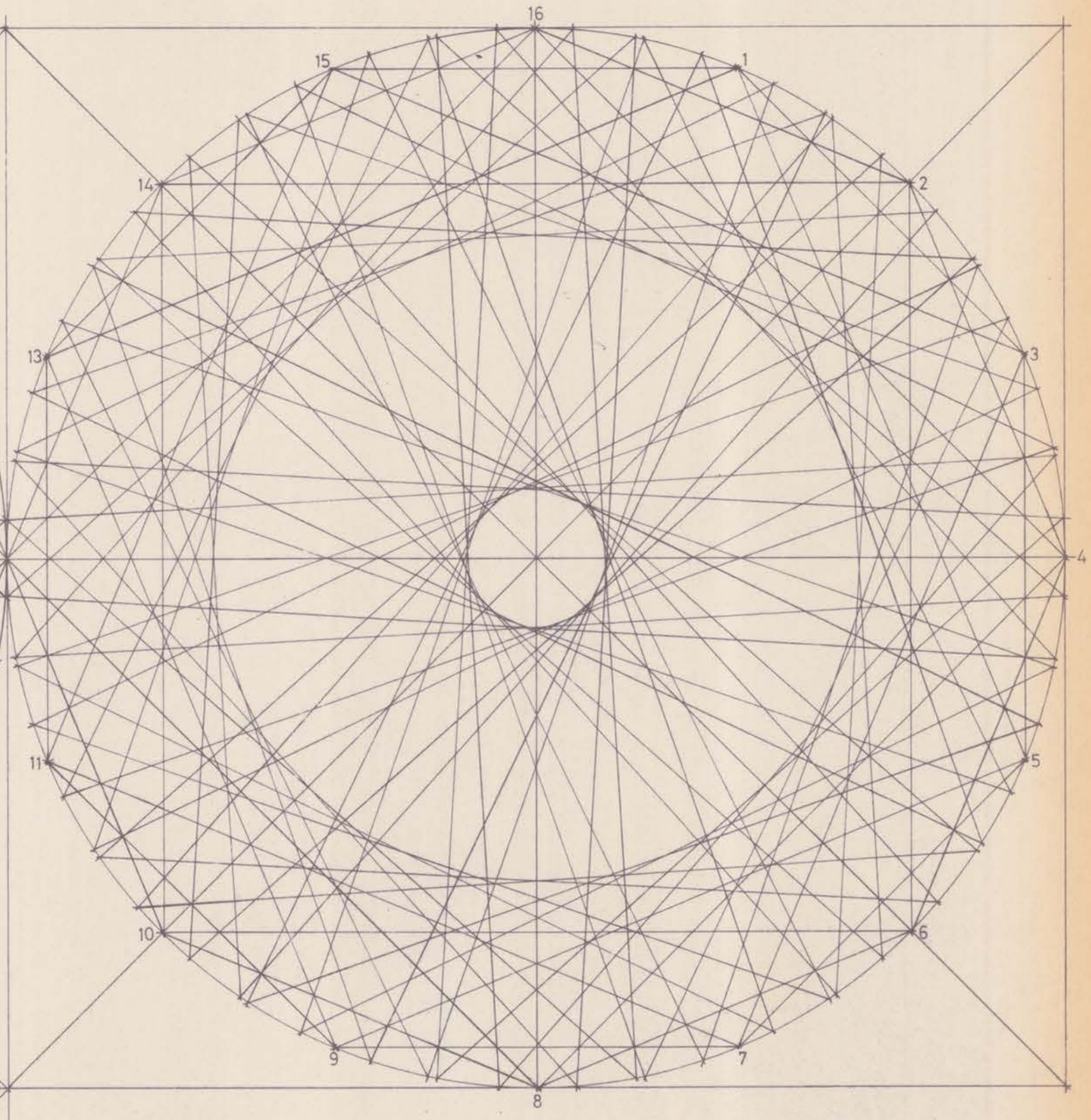
DELT. A. GEORGE WALLS, M.Sc, RIBA, AMIAS, F.S.A. (SCOT.). '78.

PREFERRED LINES

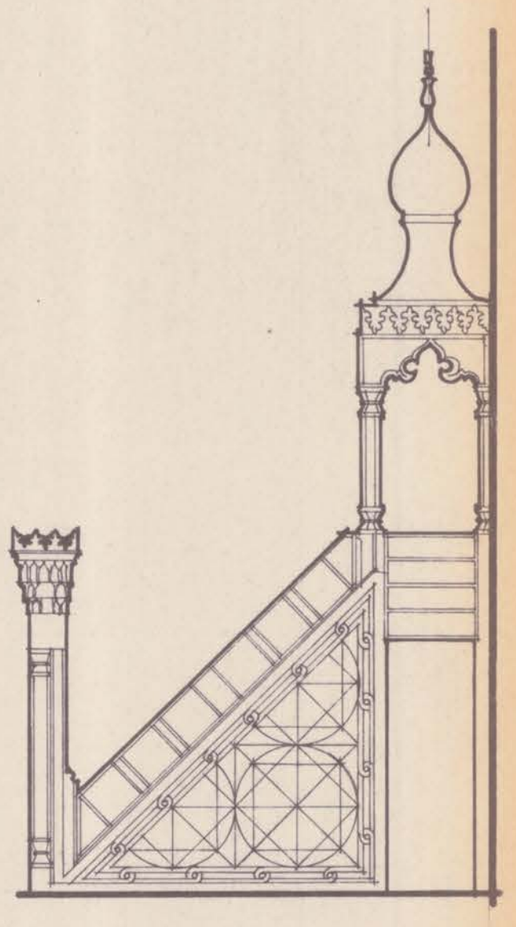


BASIC REPEAT UNIT

POINT JOINING




⊕ points used in R2's geometry



0·1 0 0·1 0·2 0·3 0·4 0·5m.

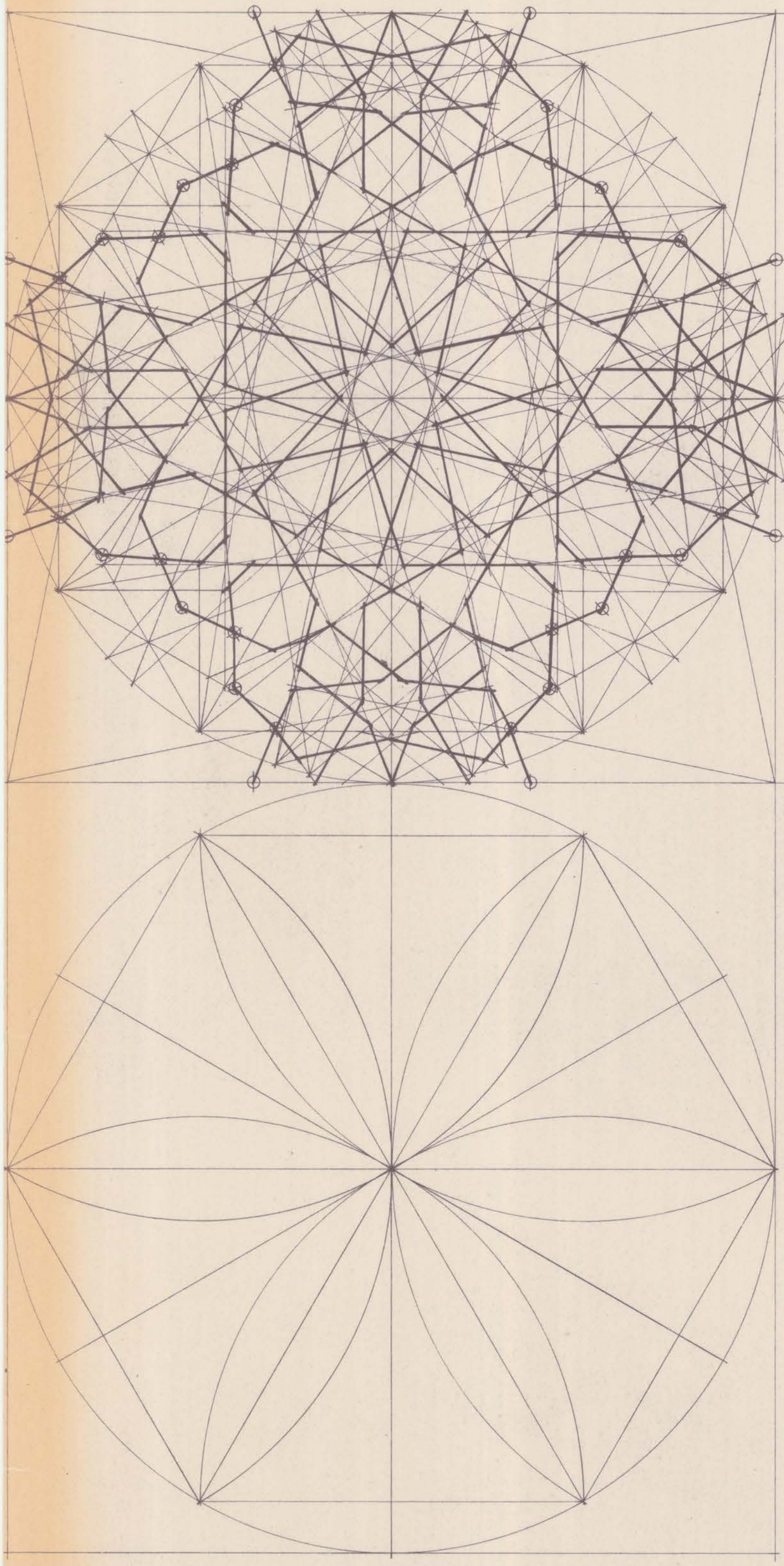
STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE (REPEAT UNIT R1's GEOMETRY)

**106**

DELT. A. GEORGE WALLS, M. Sc, RIBA, ARIAS, F.S.A. (SCOT).

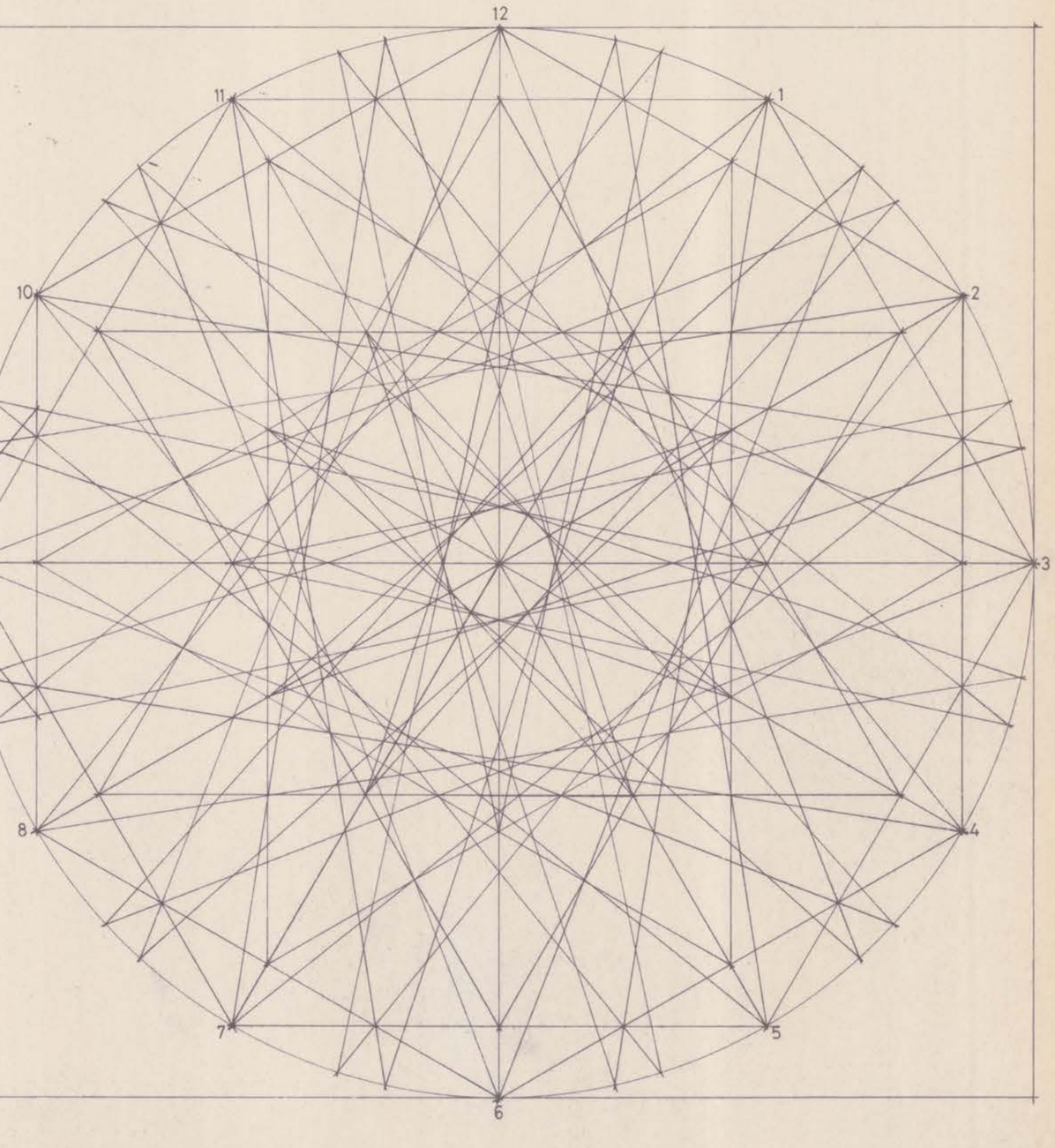
'78

PREFERRED LINES

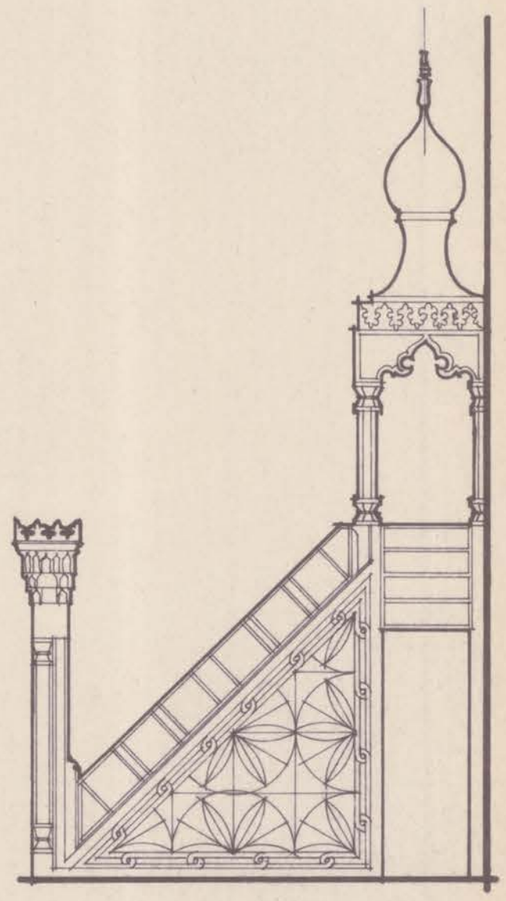


BASIC REPEAT UNIT

POINT JOINING




⊕ points derived from R1's geometry



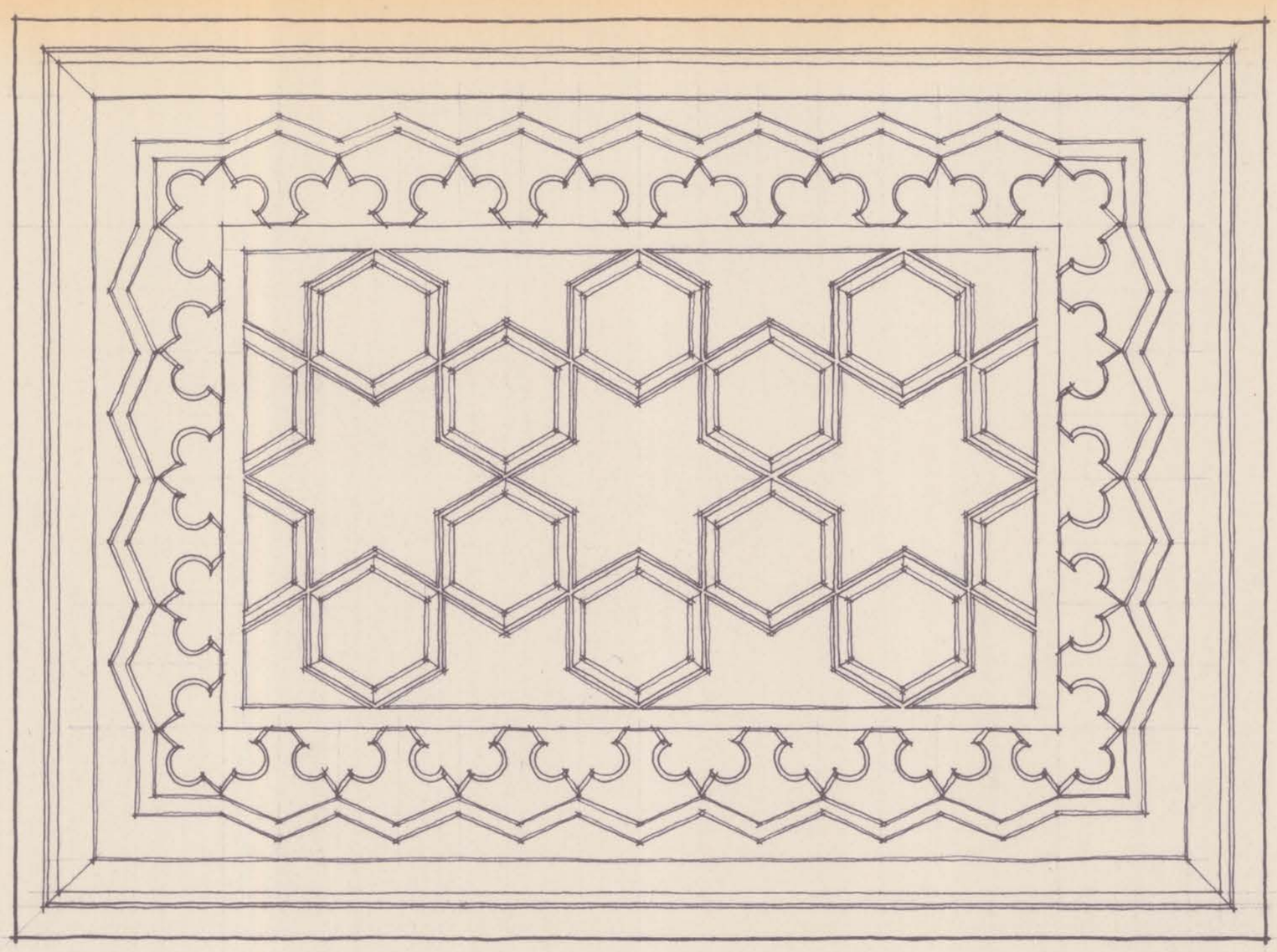
0·1 0 0·1 0·2 0·3 0·4 0·5m.

STONE MINBAR OF MALIK ASHRAF QĀYTBĀY, CAIRO.
DECORATED PRINCIPAL PANEL ON THE RIGHT SIDE. (REPEAT UNIT R2's GEOMETRY)

**107**

DRLT. A. GEORGE WALLS, M.Sc, RIBA, ARIAS, F.S.A. (SCOT.).

'78.

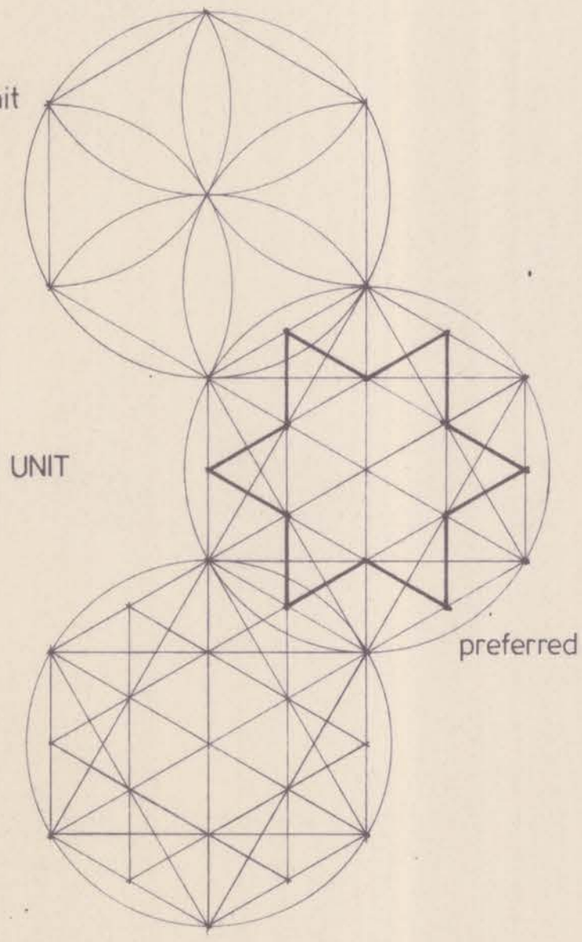


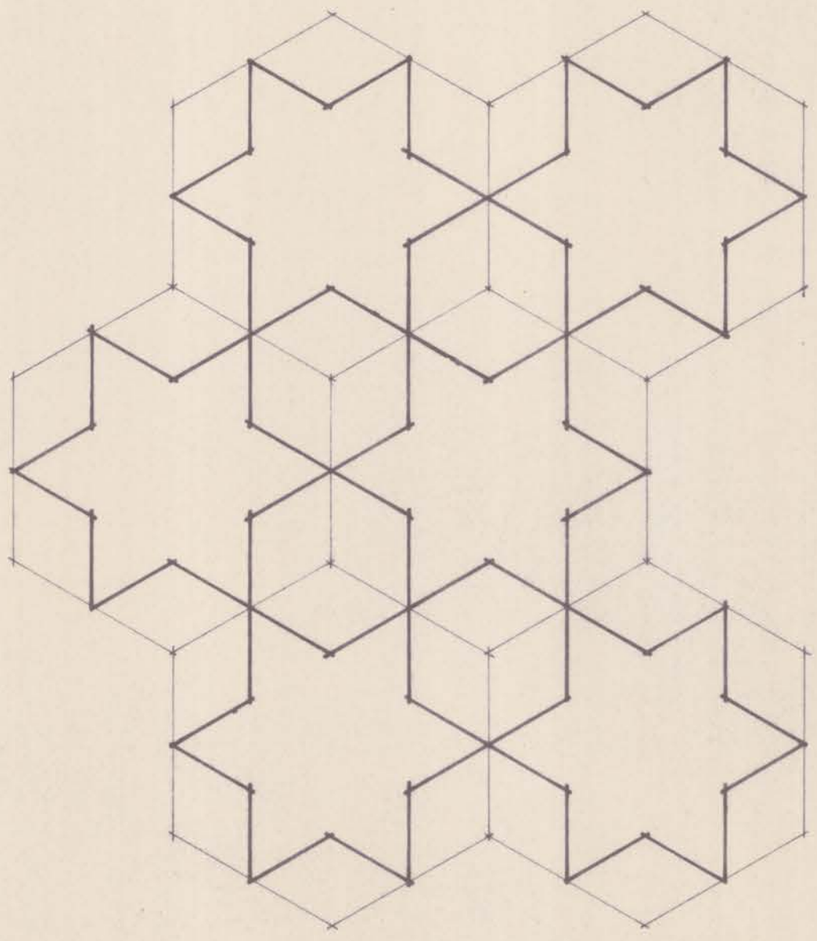
basic repeat unit

GEOMETRY OF THE REPEAT UNIT

preferred lines

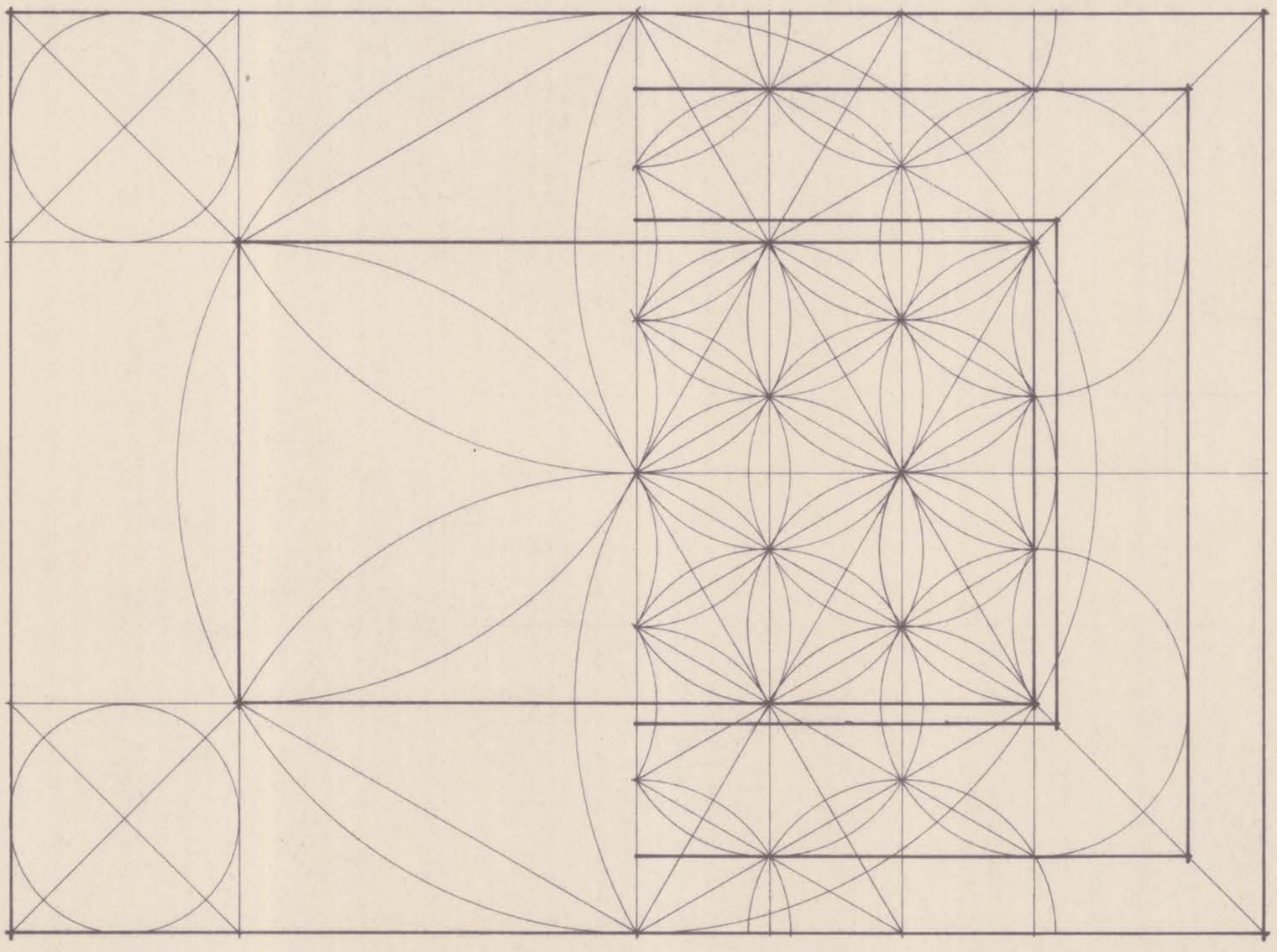
point joining





COMBINED REPEAT UNITS

GENERAL DIVISIONS OF THE PANEL



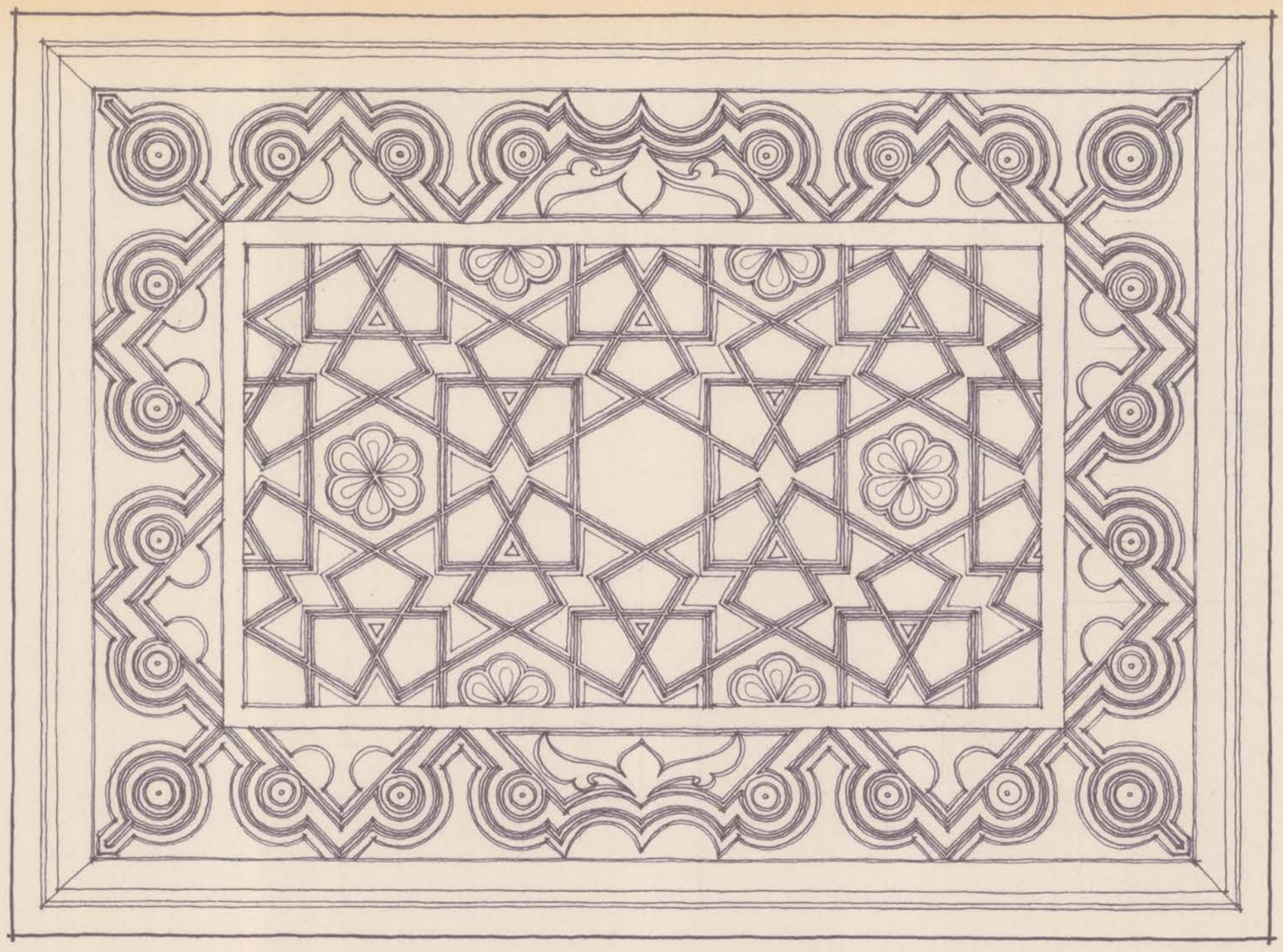
SUBDIVISIONS OF THE CENTRAL FIELD AND OF THE BORDERS

0·1 0 0·1 0·2 0·3 0·4 0·5 m.

TURBAT TURKĀN KHĀTŪN, JERUSALEM.
QIBLA OR SOUTH PANEL (INTERNAL).

**108**

DELT. D. GEORGE WALLIS, M.SC., ARIBA, ARIAS, FSA. SCOT. '78

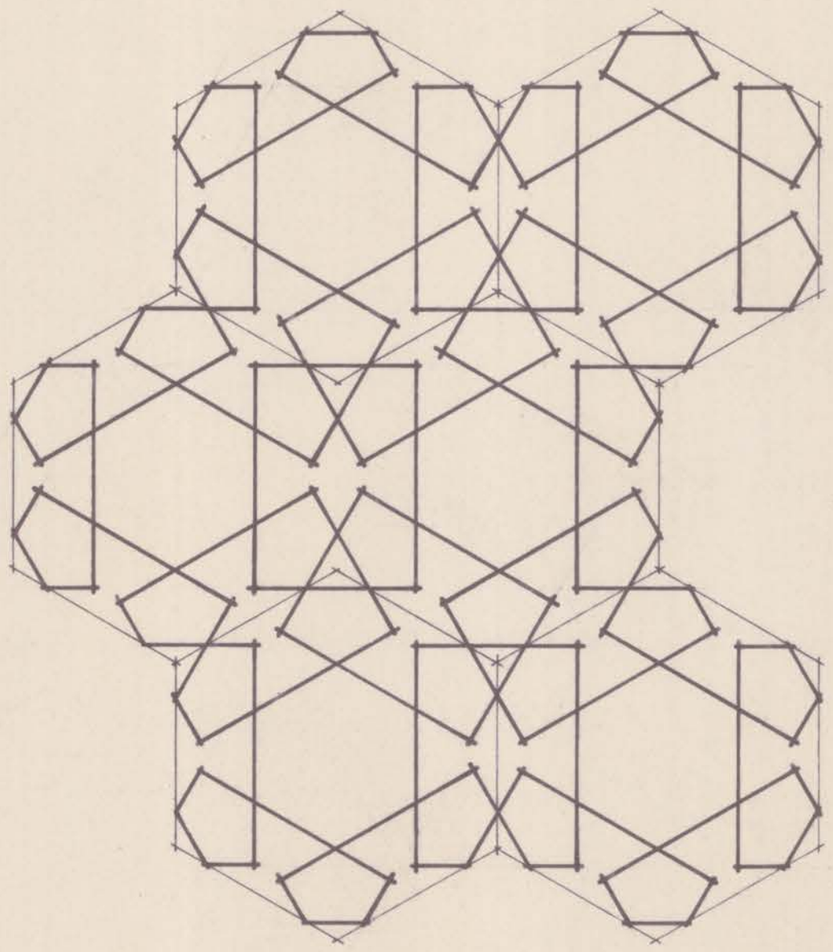


basic repeat unit

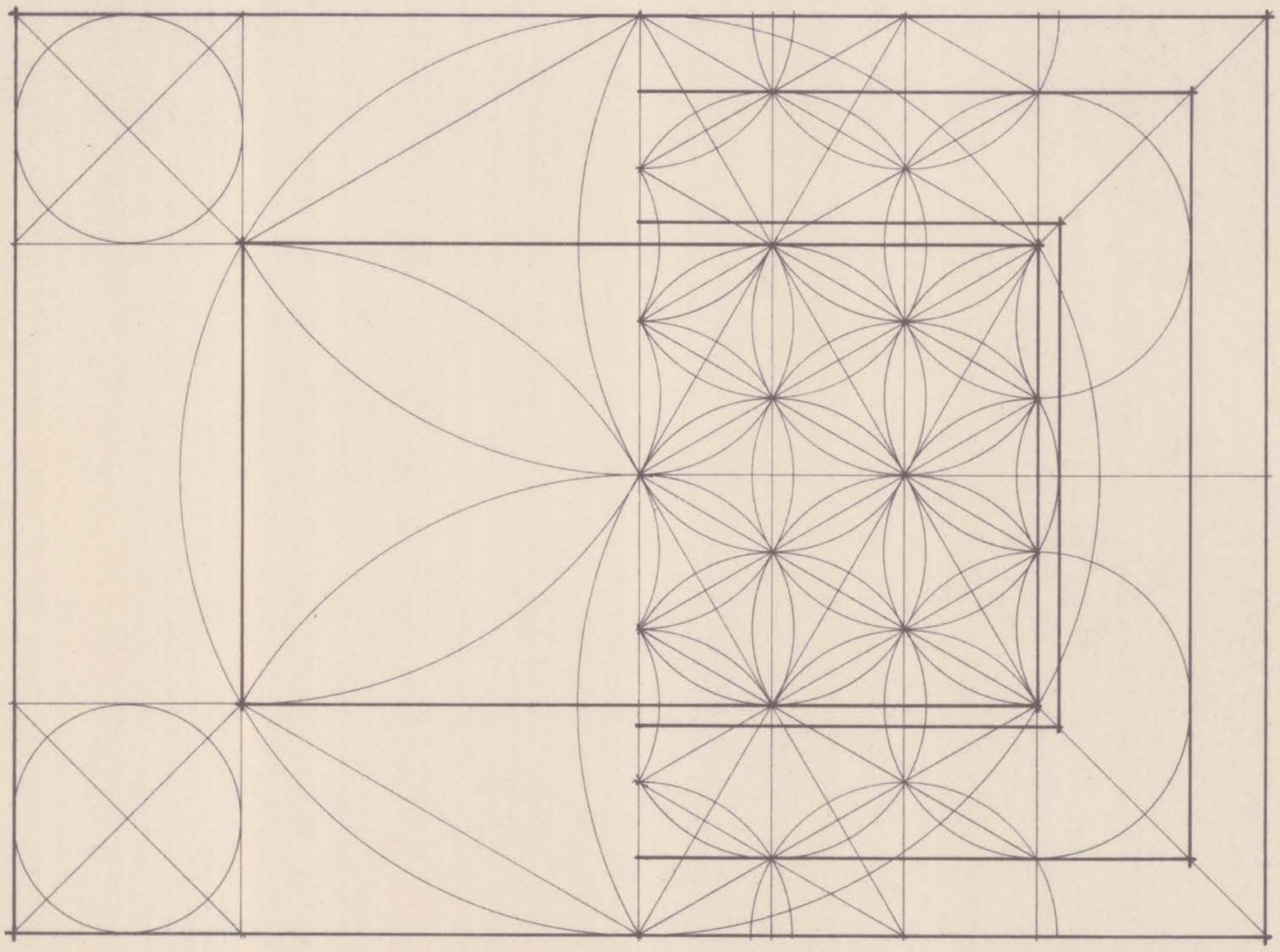
GEOMETRY OF THE REPEAT UNIT

preferred lines

point joining



COMBINED REPEAT UNITS



GENERAL DIVISIONS OF THE PANEL

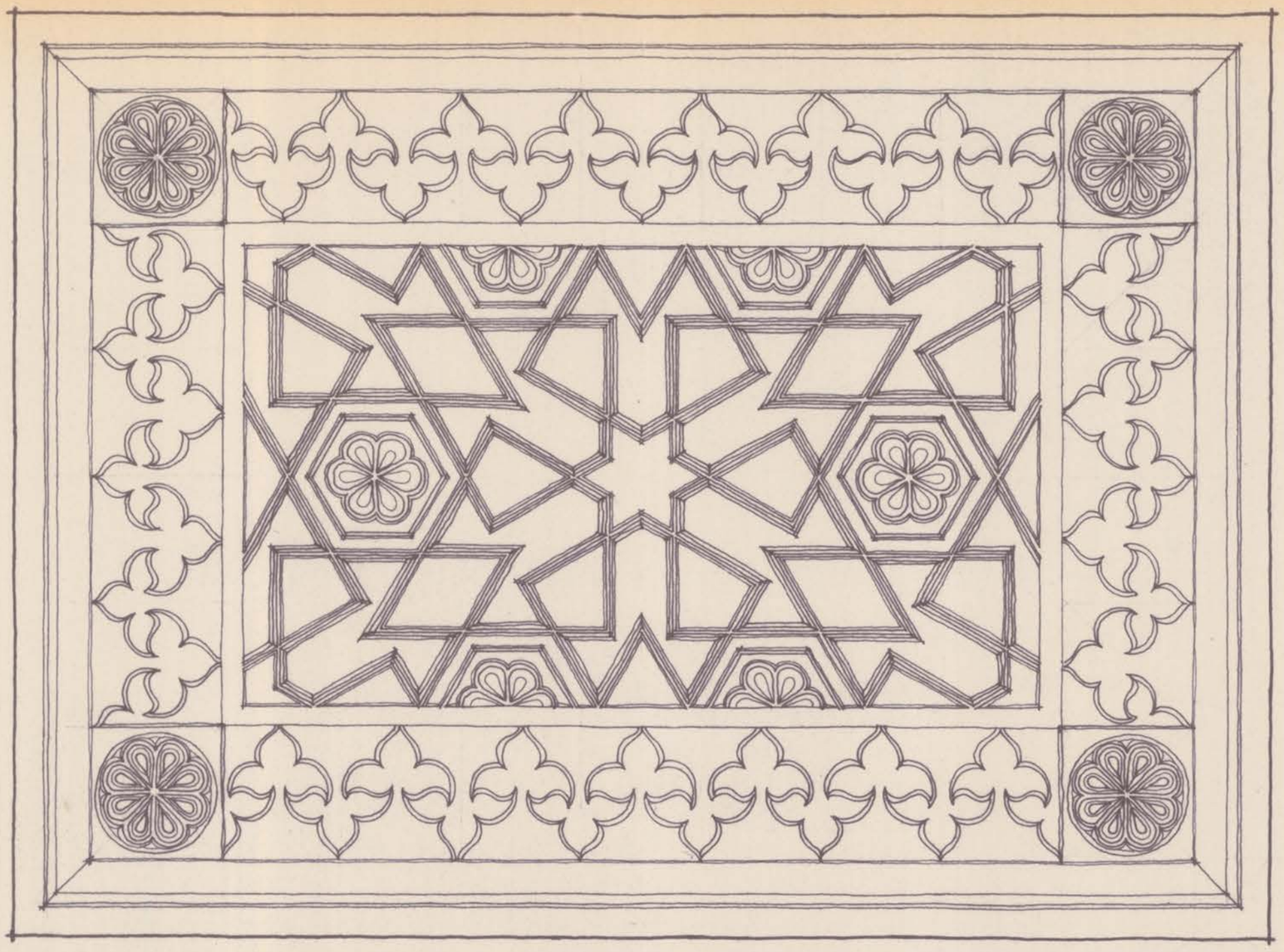
SUBDIVISIONS OF THE CENTRAL FIELD AND OF THE BORDERS

0·1 0 0·1 0·2 0·3 0·4 0·5m.

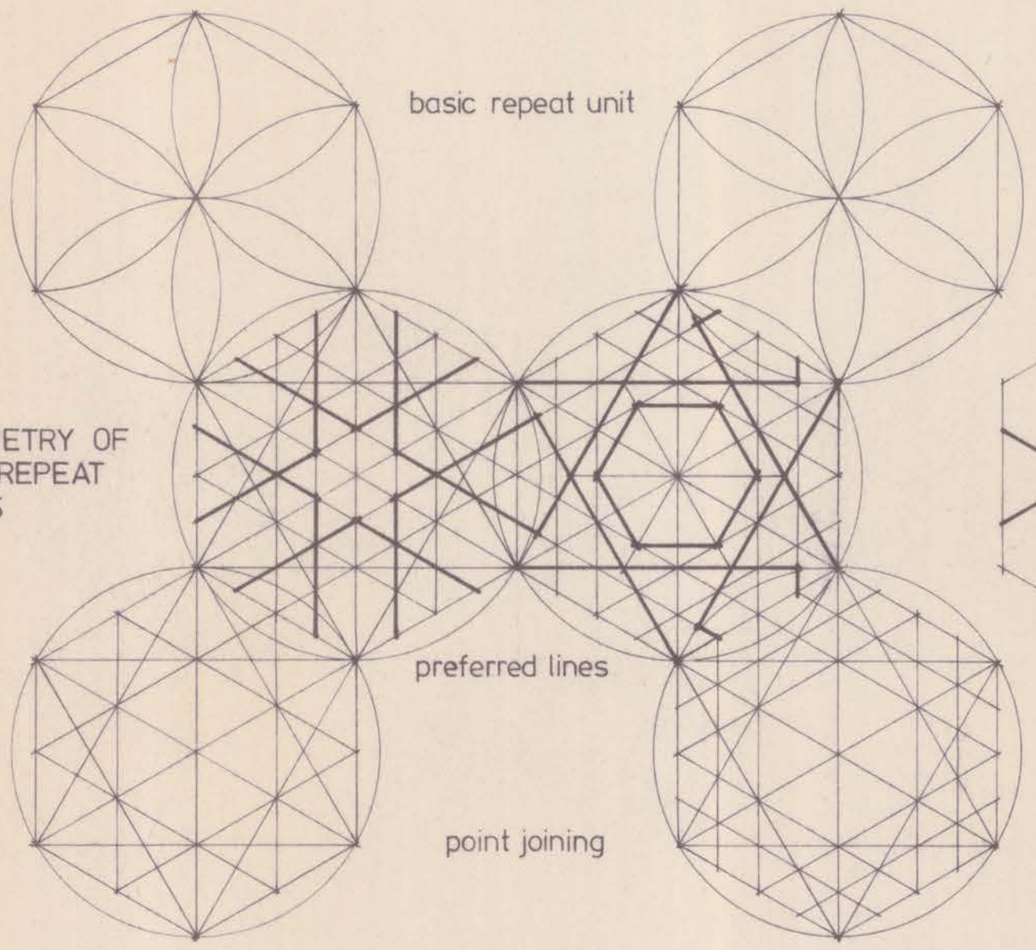
TURBAT TURKĀN KHĀTŪN, JERUSALEM.
WEST PANEL (INTERNAL).



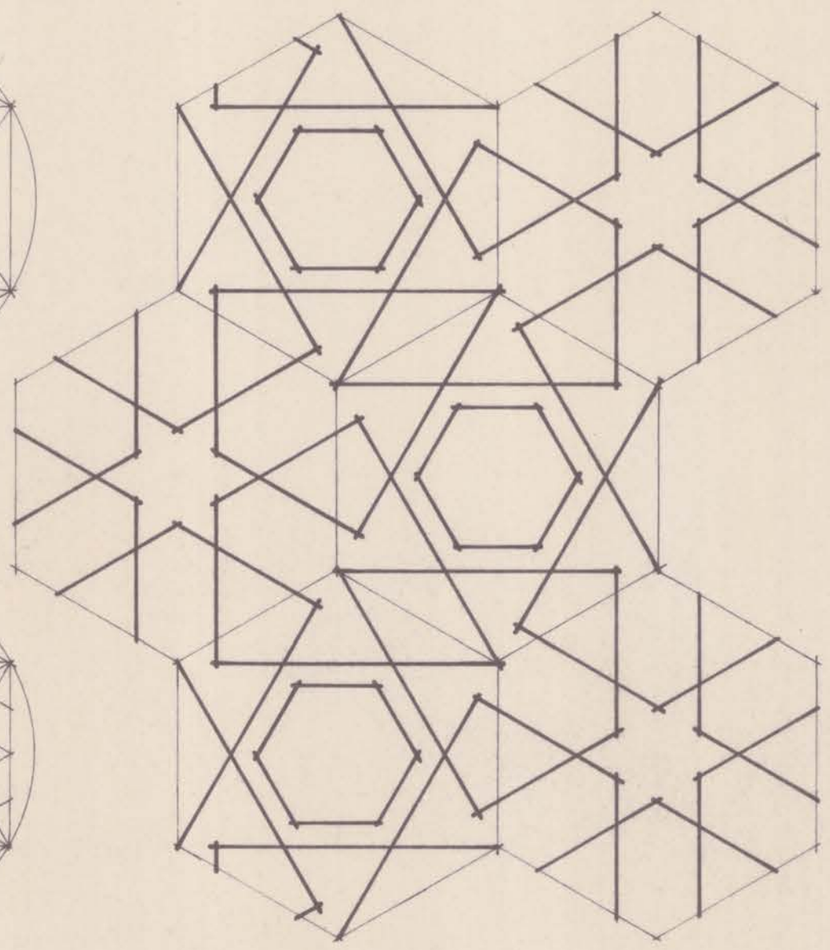
DELT. A. GEORGE WALLS, M.Sc, ARIBA, AMIAS, PSA. SCOT. 1/78.



GEOMETRY OF THE REPEAT UNITS

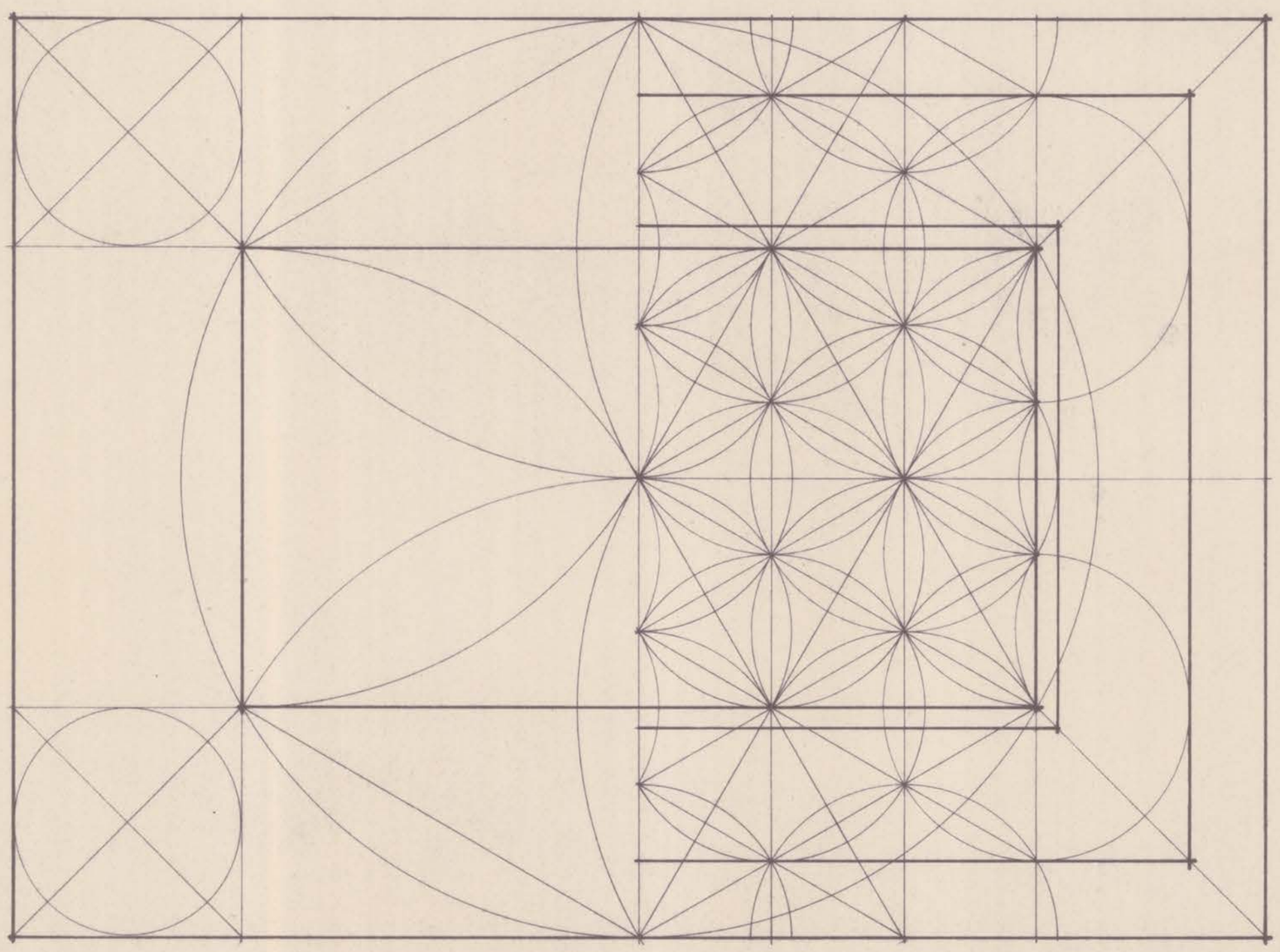



COMBINED REPEAT UNITS



GENERAL DIVISIONS OF THE PANEL

SUBDIVISIONS OF THE CENTRAL FIELD AND OF THE BORDERS

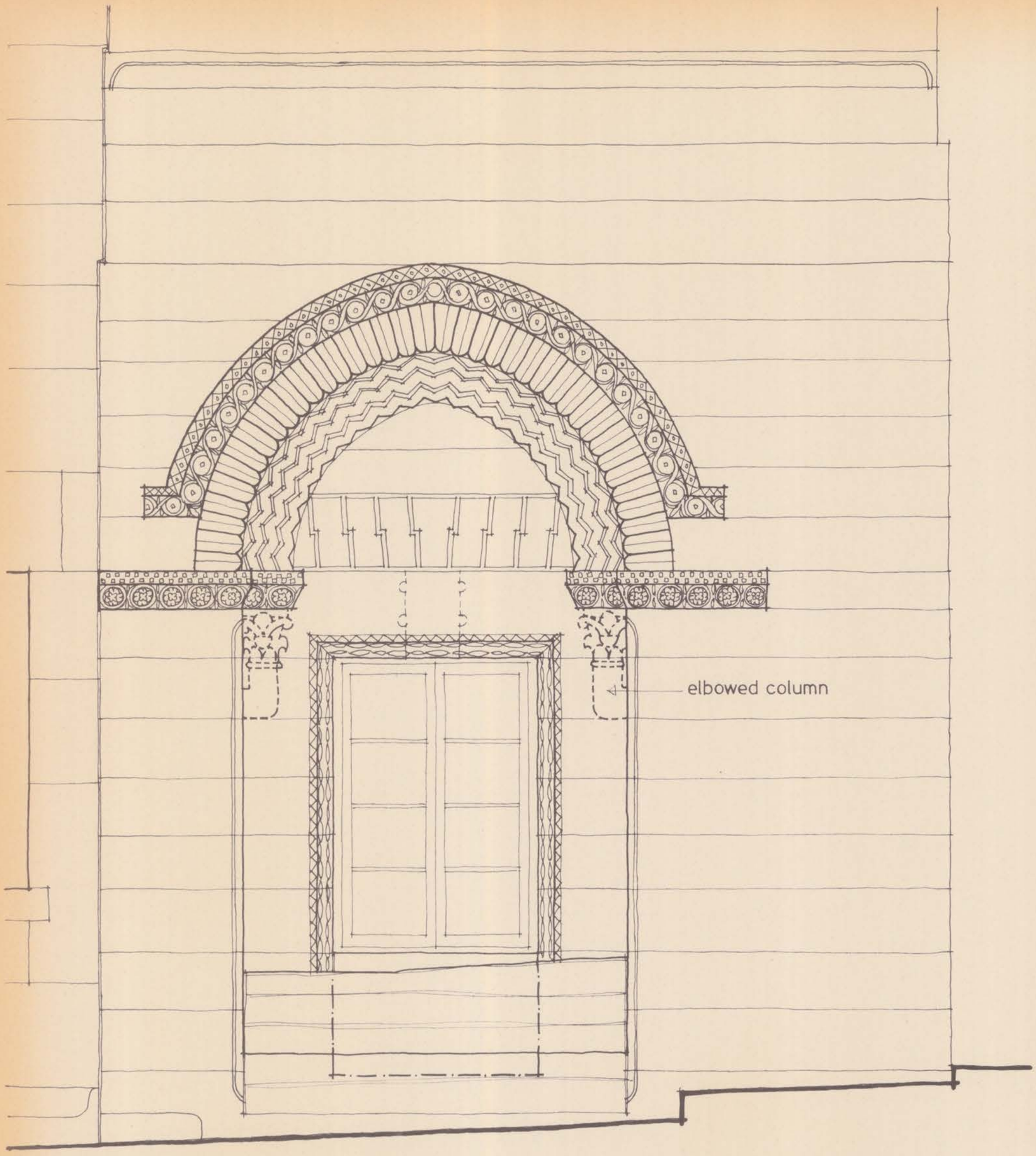


0·1 0 0·1 0·2 0·3 0·4 0·5m.

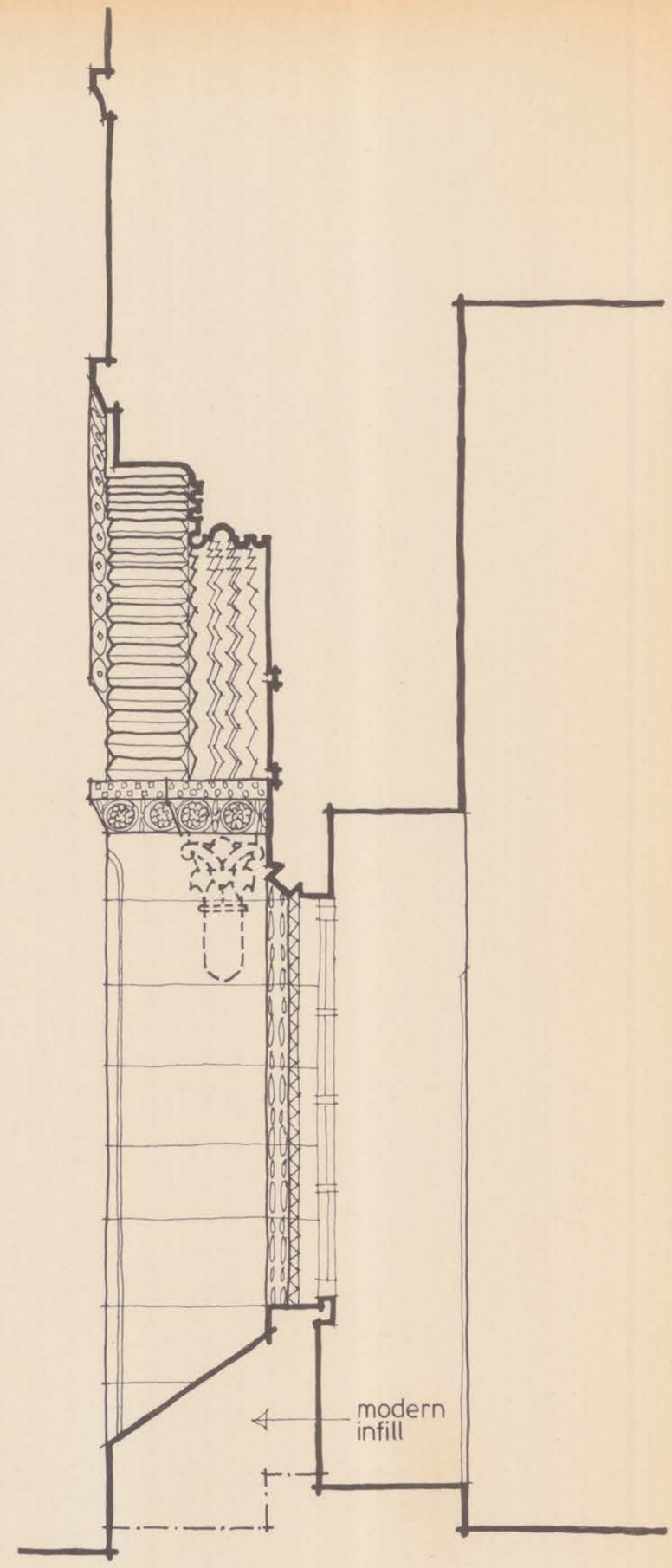
TURBAT TURKĀN KHĀTŪN, JERUSALEM.
EAST PANEL (INTERNAL).



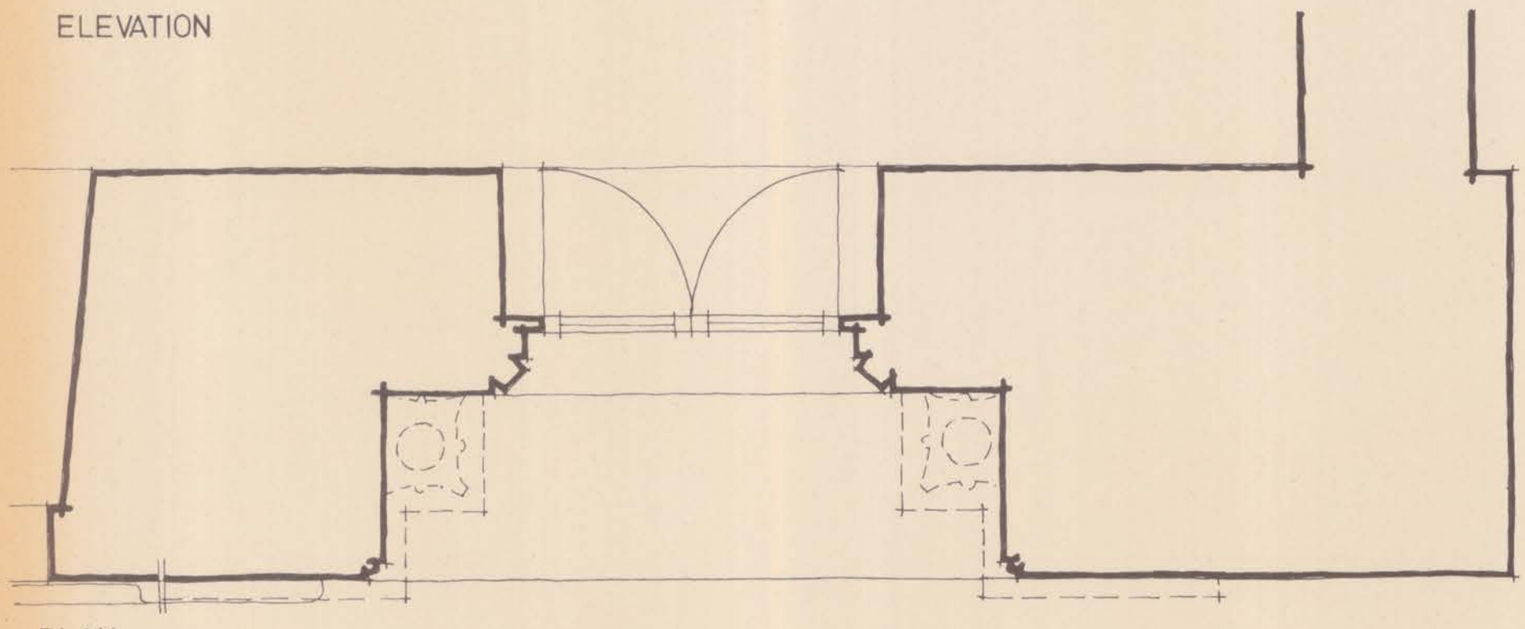
DELT. A. GEORGE WALLS, M.Sc., RIBA, ARIAS, F.S.A. SCOT. '78.




ELEVATION

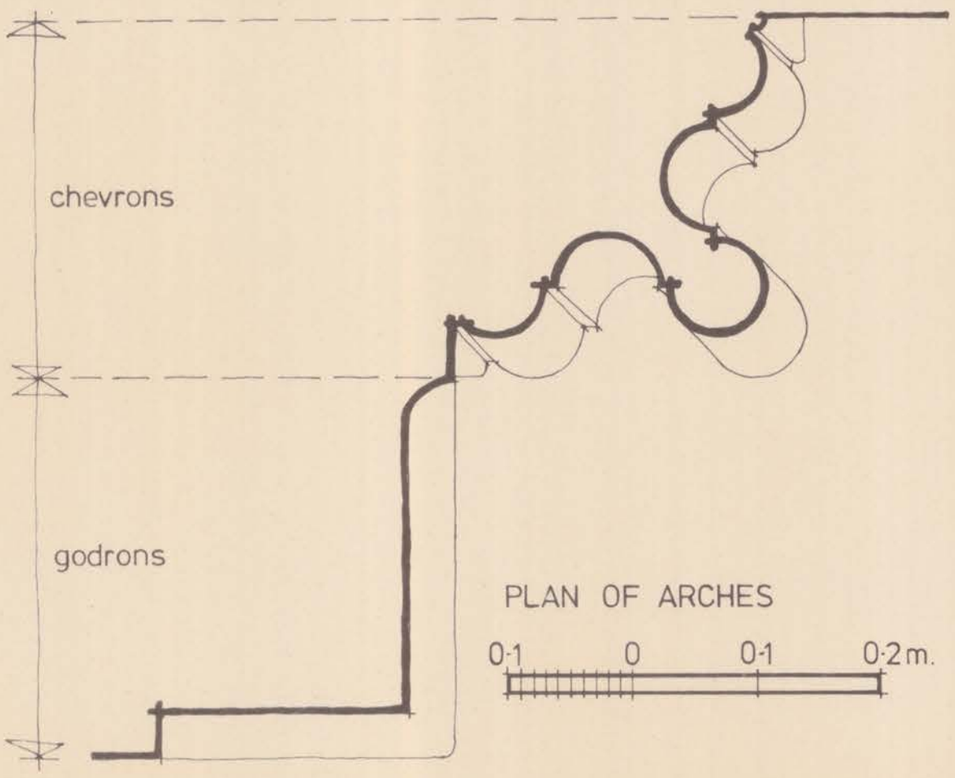



SECTION



PLAN

1 0 1 2m.

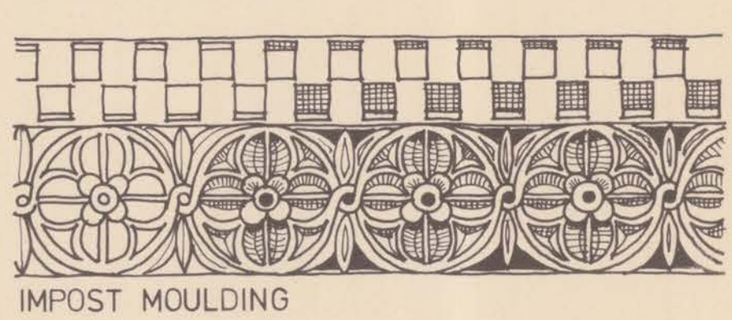



PLAN OF ARCHES

0·1 0 0·1 0·2m.



HOOD MOULDING



IMPOST MOULDING



JAMB MOULDING

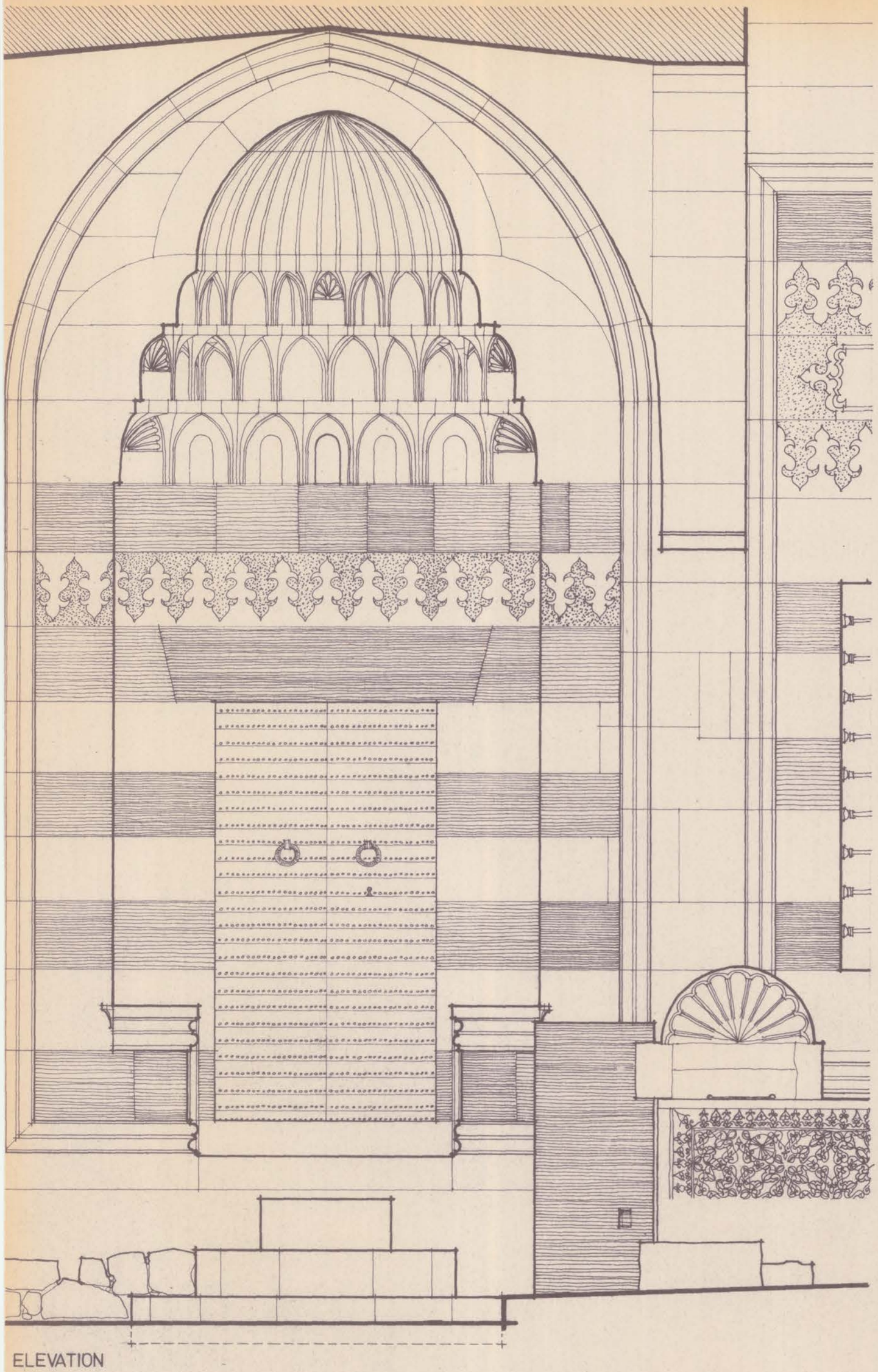
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TURBAT BARAKAT KHĀN OR KHALIDI LIBRARY, JERUSALEM.
ROMANESQUE DOORWAY.

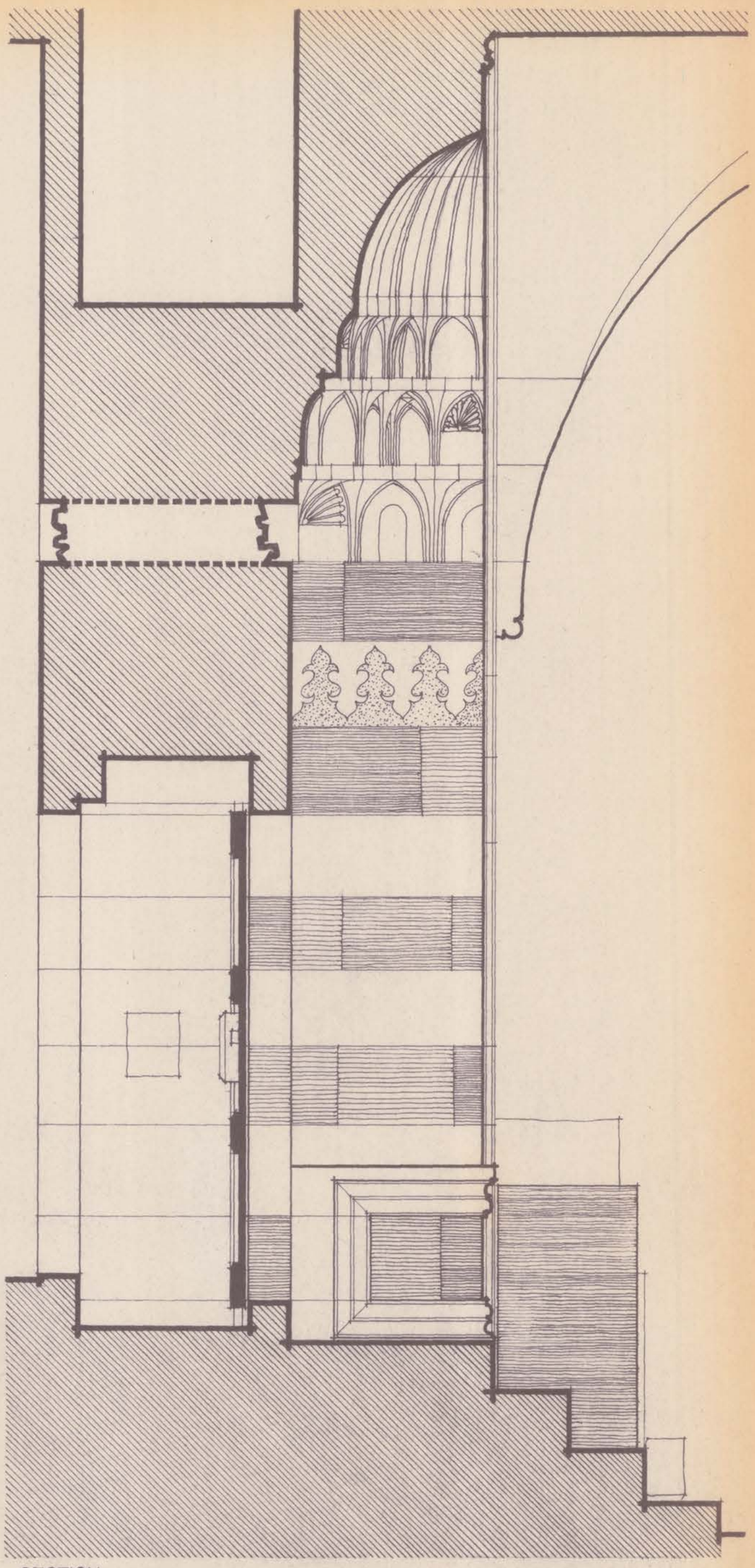
111

DRT. A. GEORGE WALLS, M.SC, R.I.B.A, A.R.I.A.S, F.S.A. SCOT.

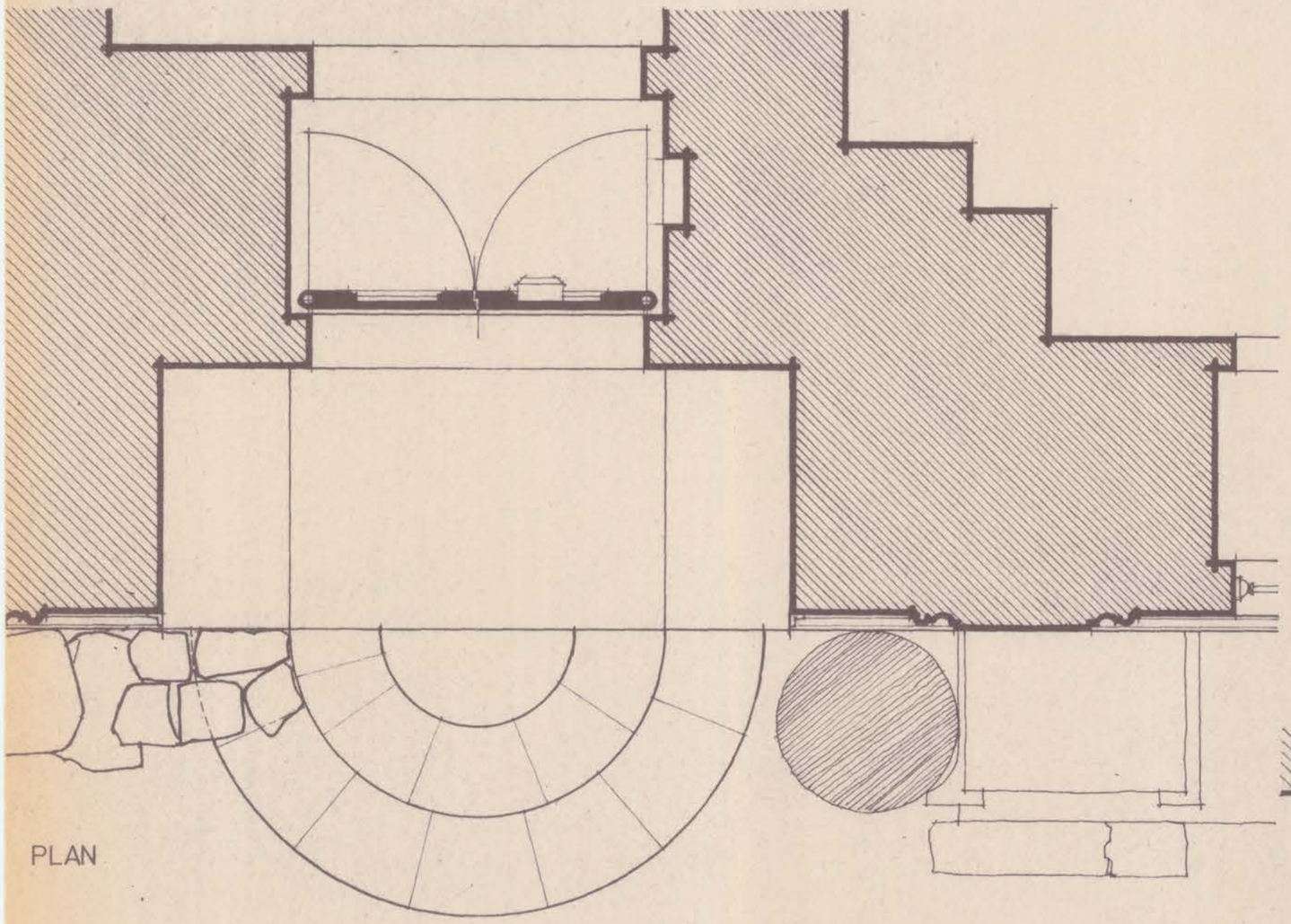
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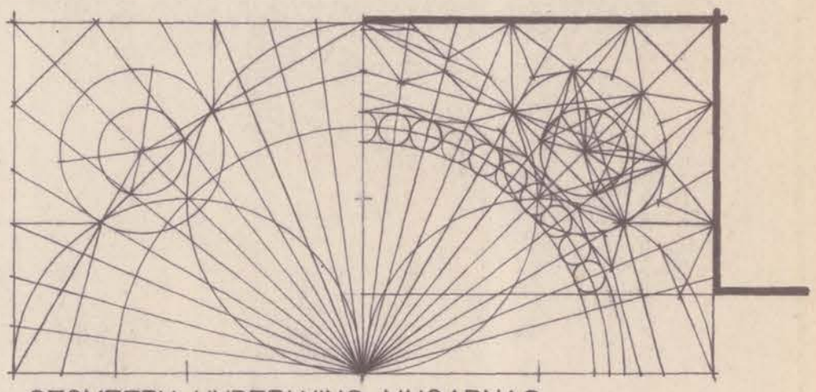
ELEVATION



SECTION



PLAN



GEOMETRY UNDERLYING MUQARNAS



PLAN OF MUQARNAS

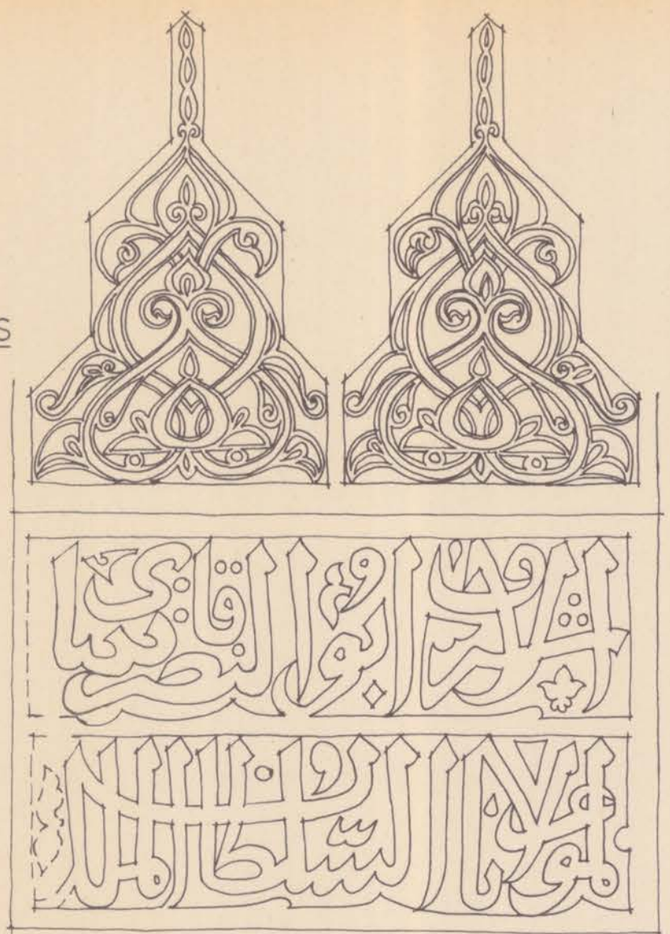
1 0 1 2m.

MADRASA AND MAUSOLEUM OF AMĪR ṬASHTAMUR, JERUSALEM.
RECESSED PORTAL

112

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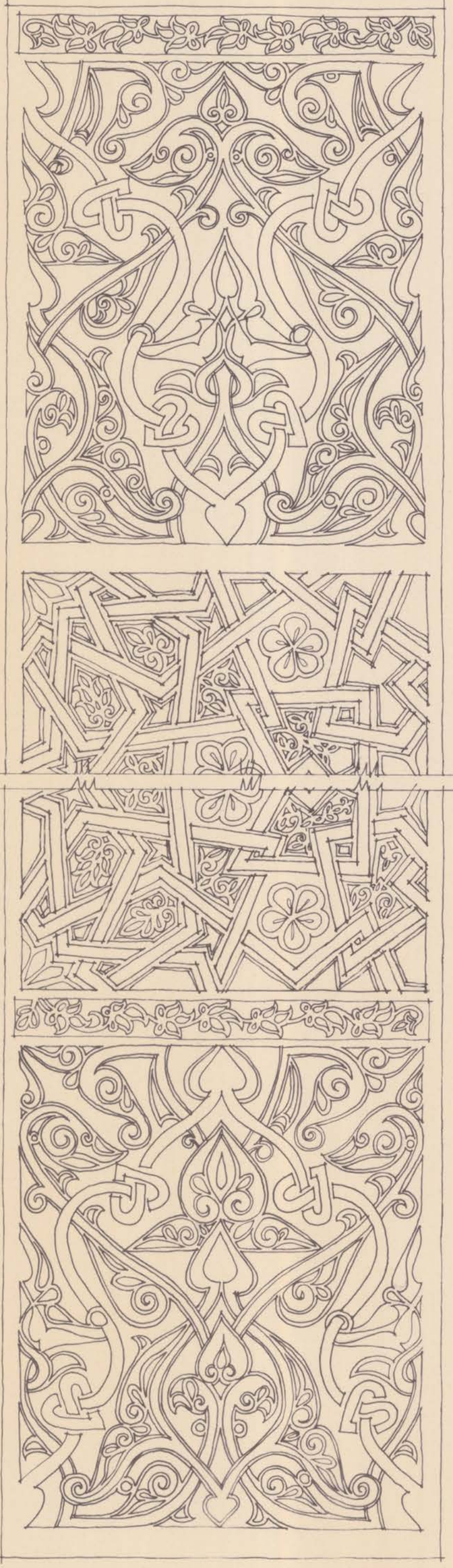
VEGETAL FIELDS TO RECTILIEAR MUQARNAS



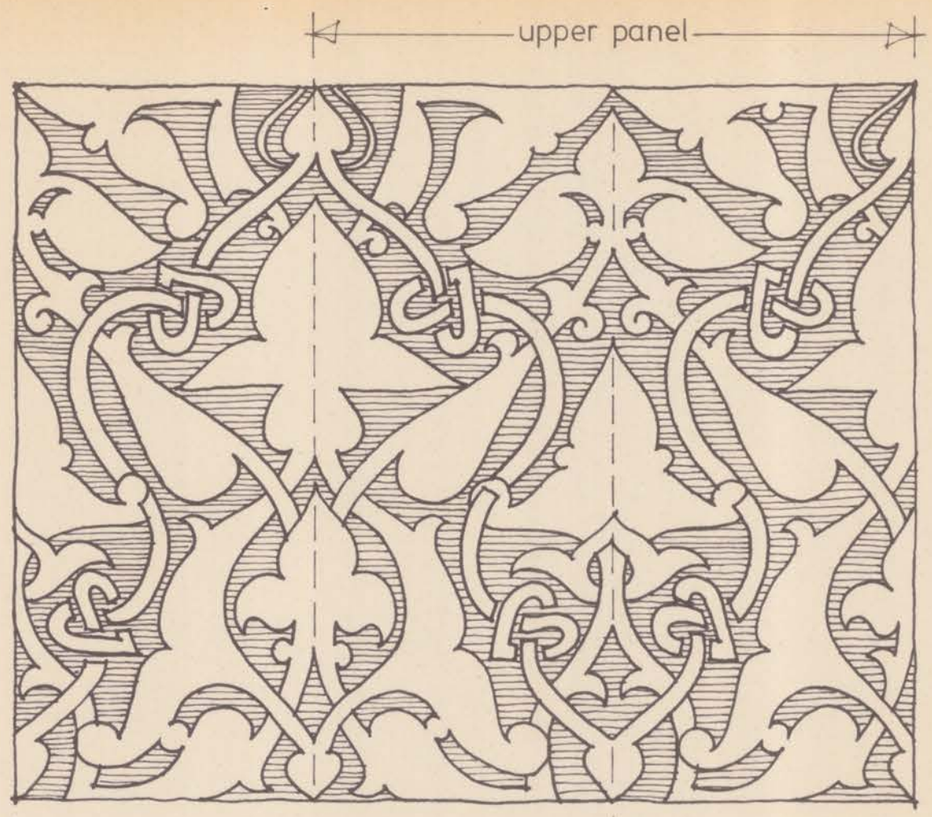
SULTAN QĀYTBĀY'S NAME AND TITLES

UPPER PANEL

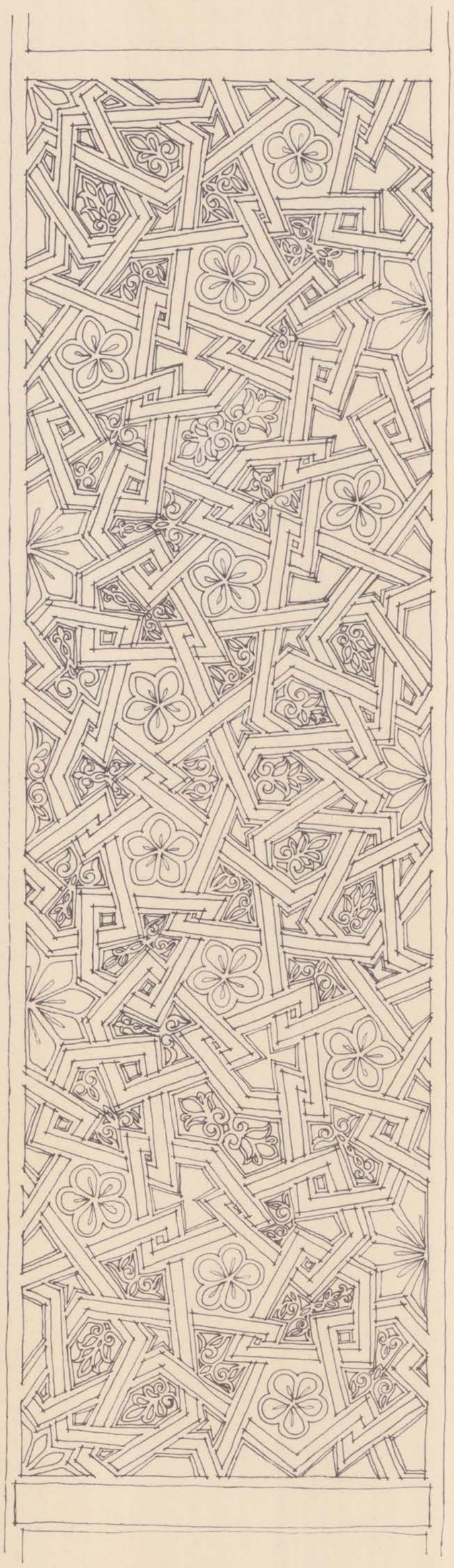
LOWER PANEL



GEOMETRIC PANEL




VEGETAL AND RIBBON FORMS IN OUTLINE



0·1 0 0·1 0·2 0·3 0·4 0·5m.

76 SABĪL-KUTTĀB QĀYTBĀY, OPPOSITE AL-AZHAR, CAIRO.
ENGAGED COLUMN.



DEL. A. GEORGE WALCS. M.SC., RIBA, AAIAS, FSA SCOT.



0·1 0 0·1 0·2 0·3 0·4 0·5m.

75 WEKĀLAT QĀYTBĀY, OPPOSITE AL-AZHAR, CAIRO.
DECORATED CIRCULAR WALL PANEL.

114

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