THE PATAN ROYAL PALACE RESTORATION AND CONSERVATION PROJECT

THE U.S. AMBASSADORS' FUND FOR CULTURAL PRESERVATION | 2009 LARGE GRANT PROGRAM PROPOSAL

VOLUME 2 | DOCUMENTATION DRAWINGS & PHOTOGRAPHS

JUNE, 2009

KATHMANDU VALLEY PRESERVATION TRUST

136 West 21st Street, 11th floor
New York, NY 10011, USA
TEL: 212 727 0074

P.O. Box 13349, Kathmandu, NEPAL
TEL: (977 1) 55 46 055

info@kvptnepal.org

www.kvptnepal.org

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NASAL COK

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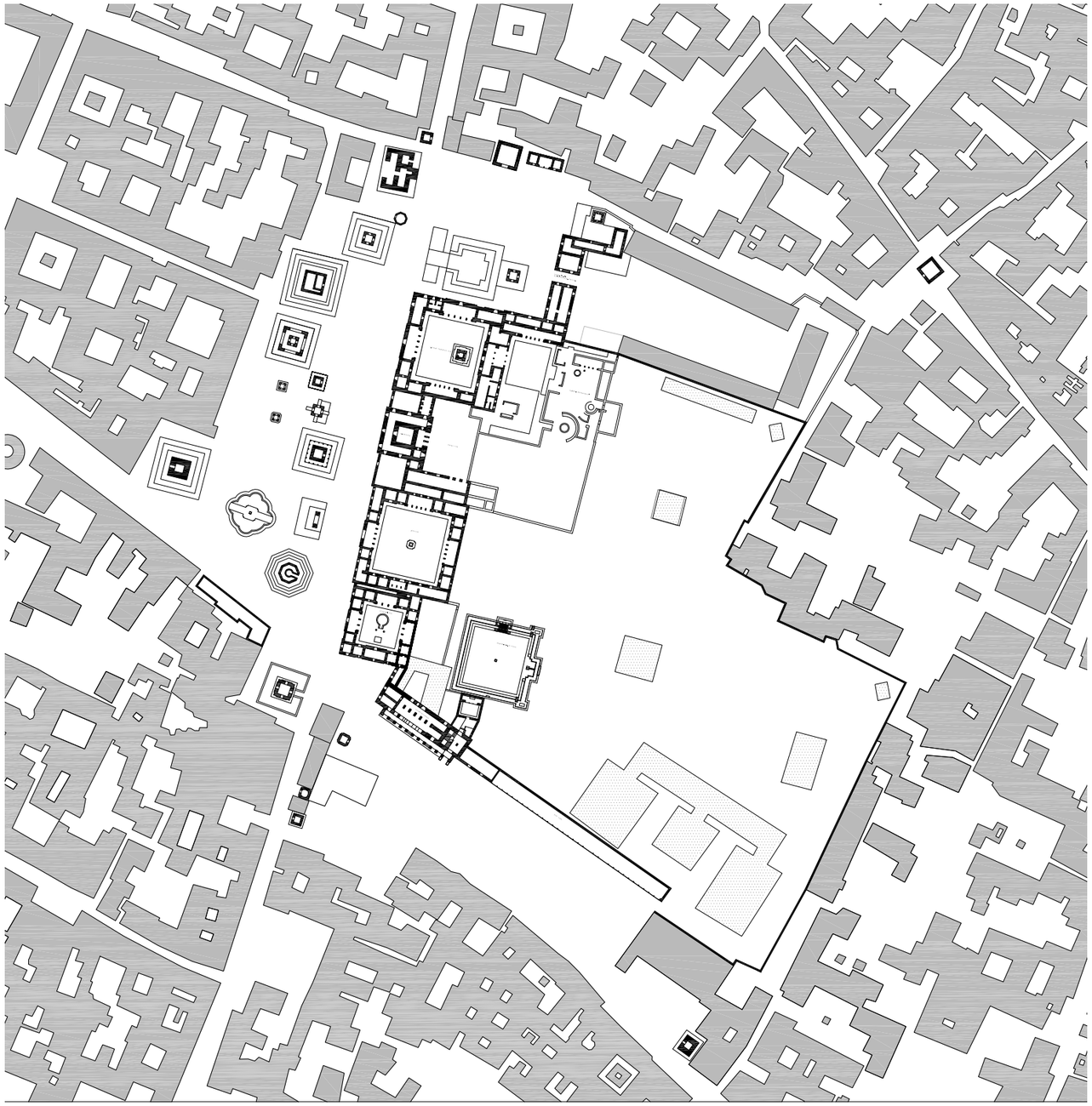
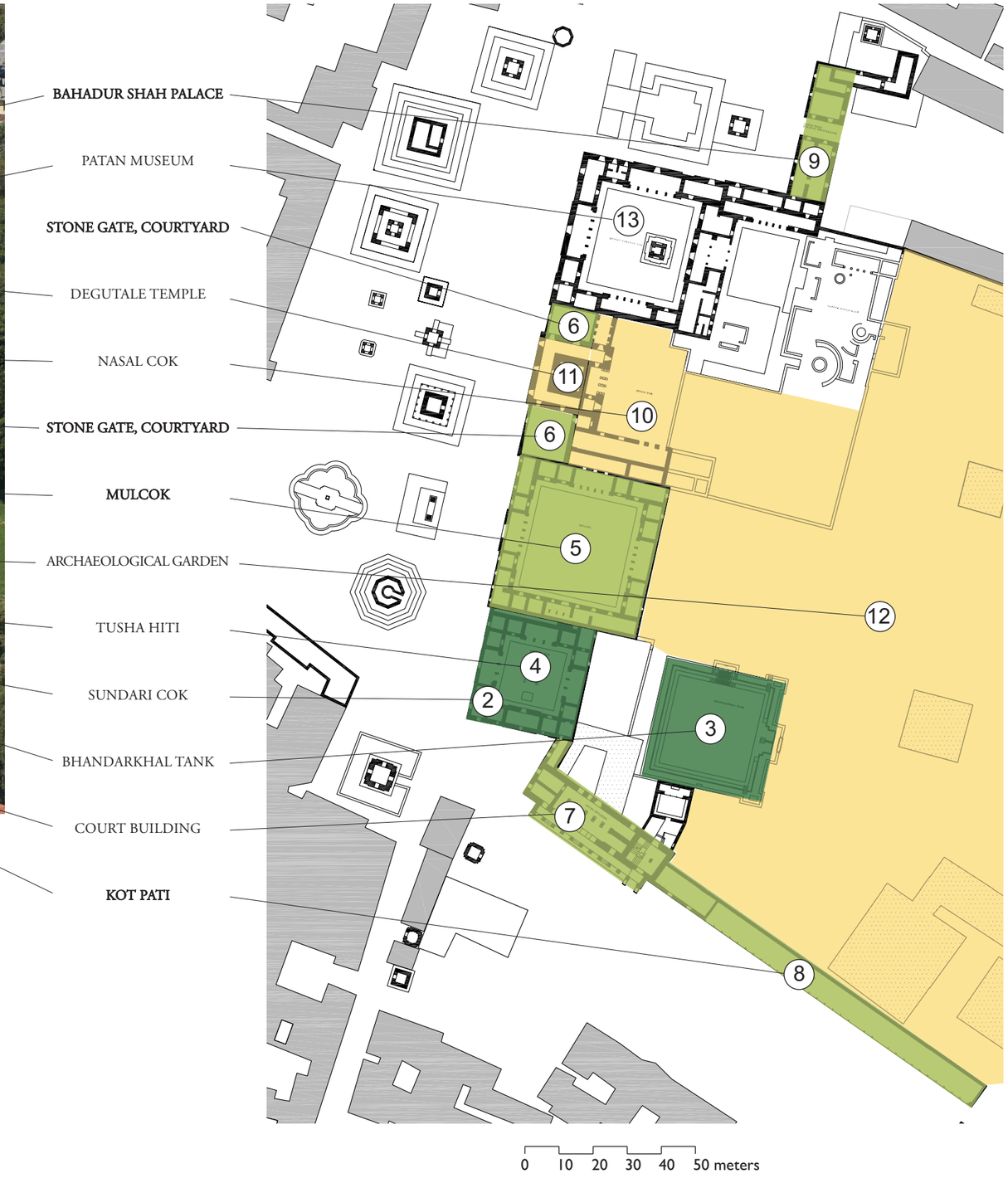
ARCHAEOLOGICAL GARDEN

KESHAV NARAYAN COK (PATAN MUSEUM)



THE PATAN DARBAR WORLD HERITAGE SITE

SITE PLAN



PATAN DARBAR | BIRD'S EYE VIEW

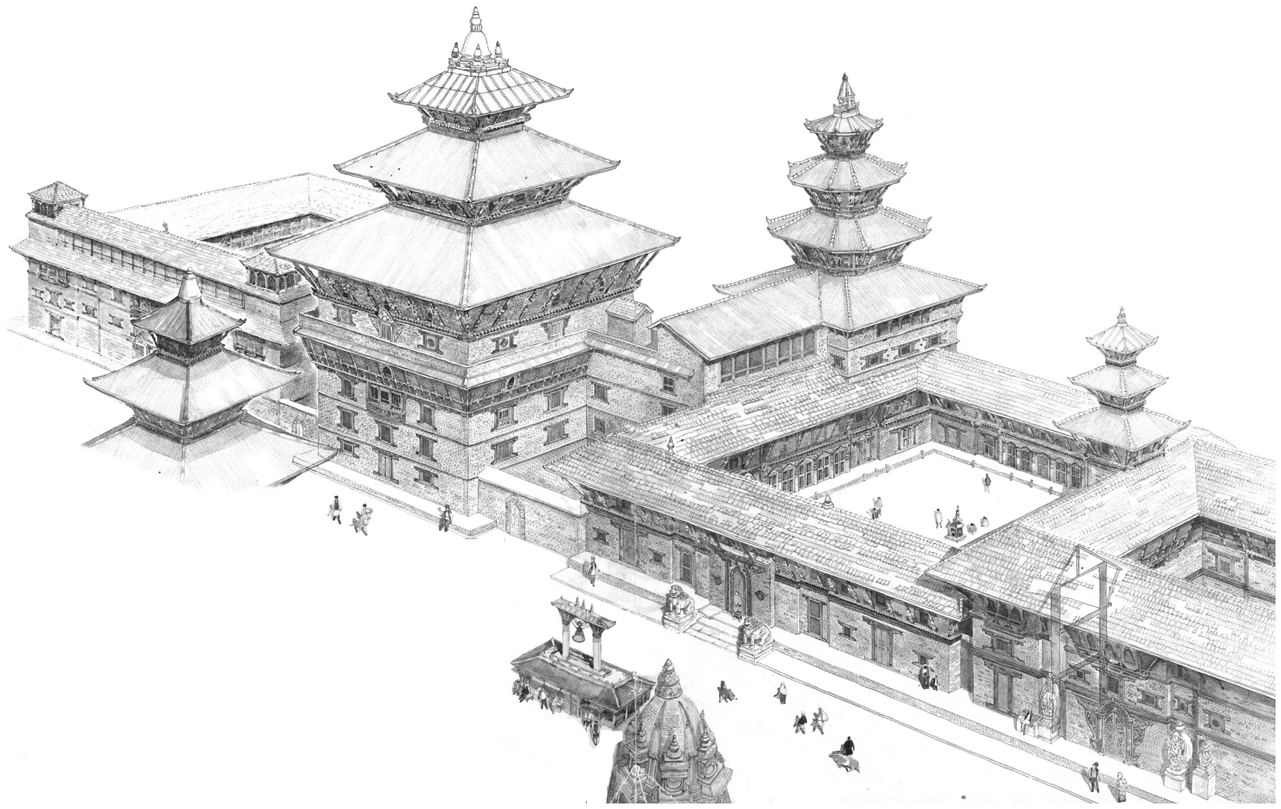
JUNE 2005

Patan darbar Square View to the South
Keshav Narayan Cok (Patan Museum) is seen in the left foreground. The stone gate leads to Nasal Cok. The three-tiered Degutale Temple was rebuilt after the 1934 earthquake. The main gate to Mulcok Palace is guarded by two stone lions.
H. Ambrose Oldfield, ca, 1855

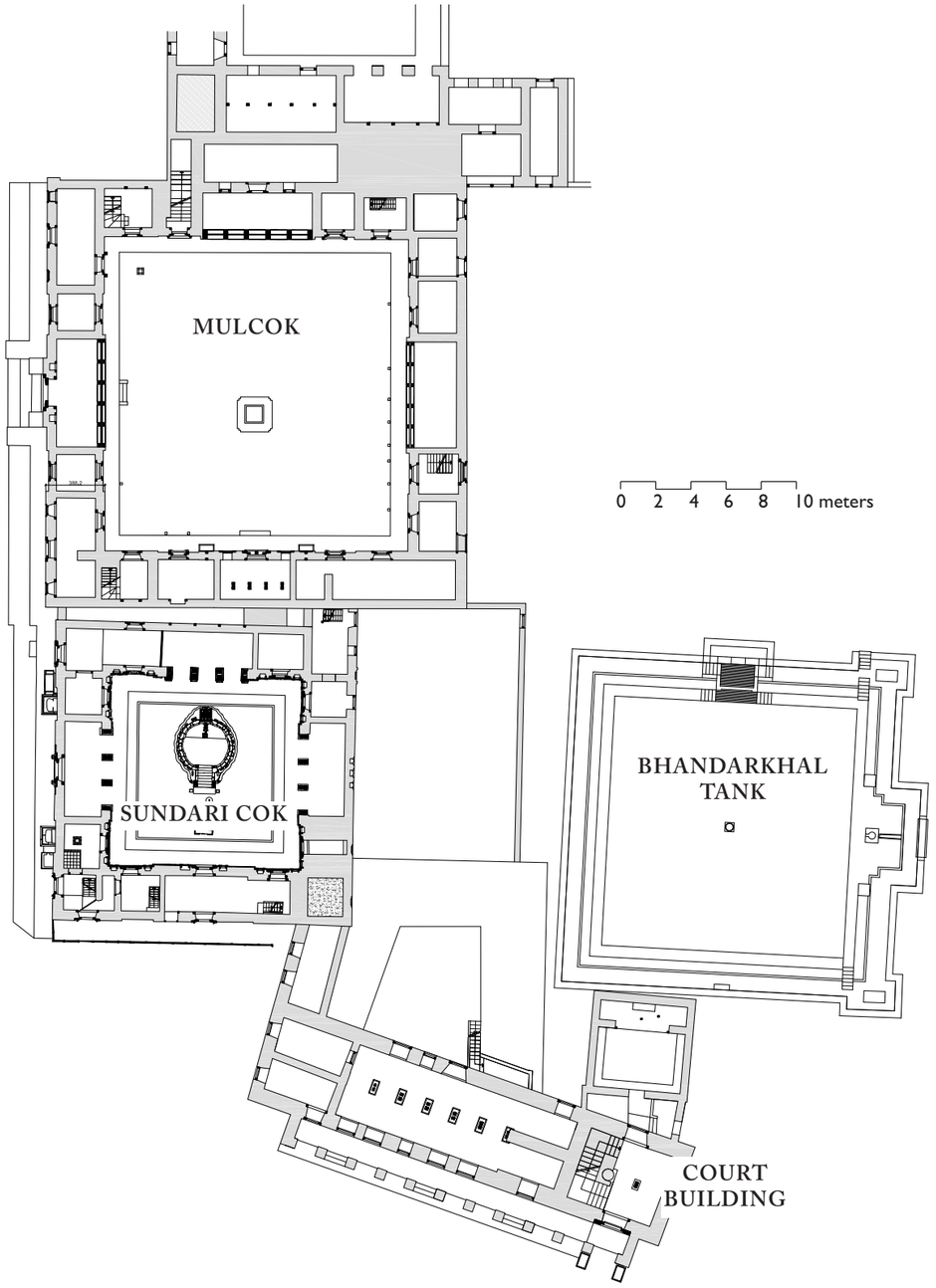
Patan Darbar Square View to the North-East
from left to right: Keshav Narayan Cok Palace (Patan Museum), Degutale Temple, Mulcok Palace, Sundari Cok Palace
Photograph, August 2007

Patan Darbar Square View to the North
Photograph, August 2007

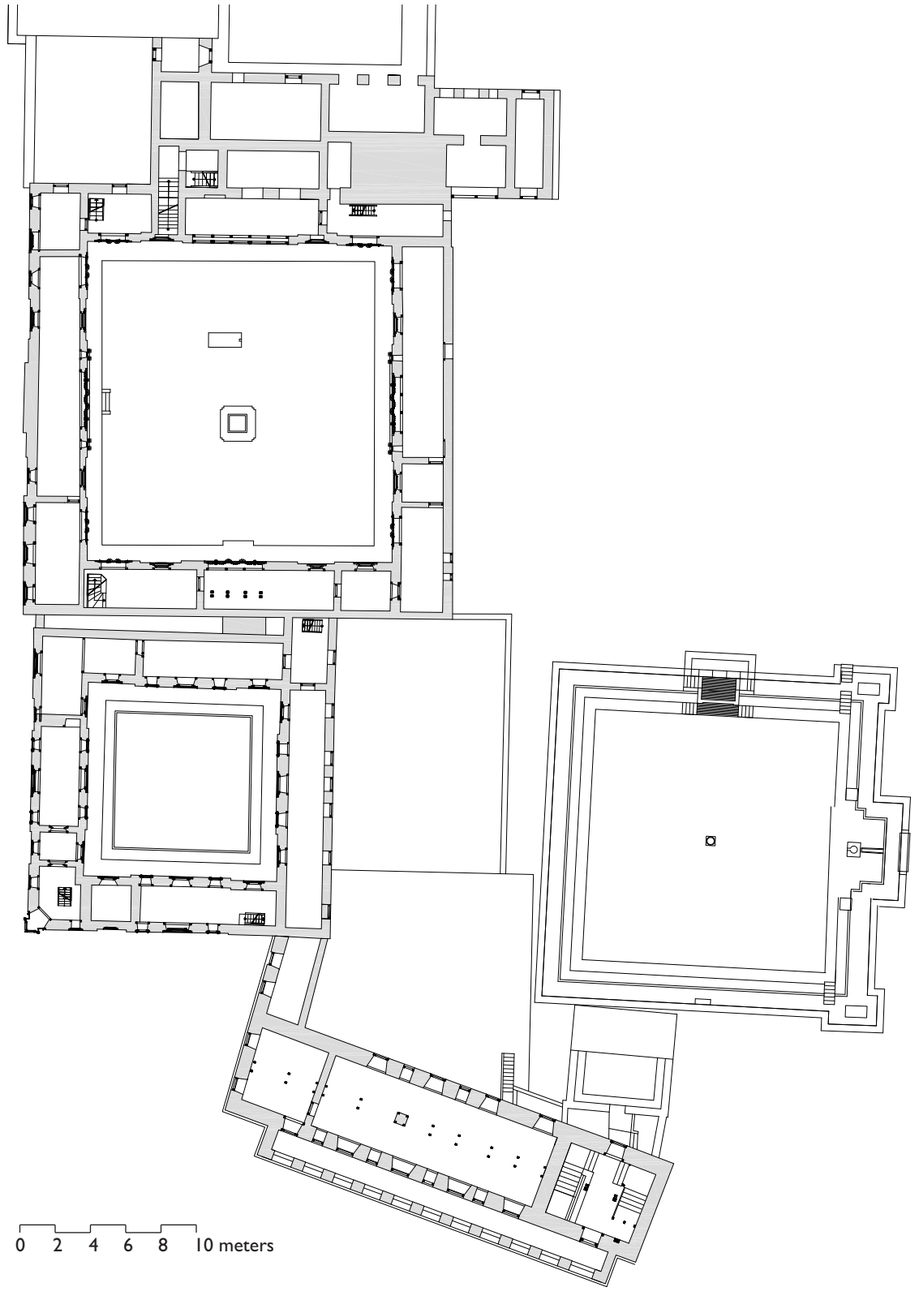
View over the Palace Complex
Photograph, May 2006



Axonometric View of the Palace Complex
From left to right:
Keshav Narayan Cok (Patan Museum), Degutale Temple, Taleju Temple,
Mulcok with the bell in front, Taleju Temple, Sundari Cok.
Survey by the Nippon Institute of Technology, December 1977

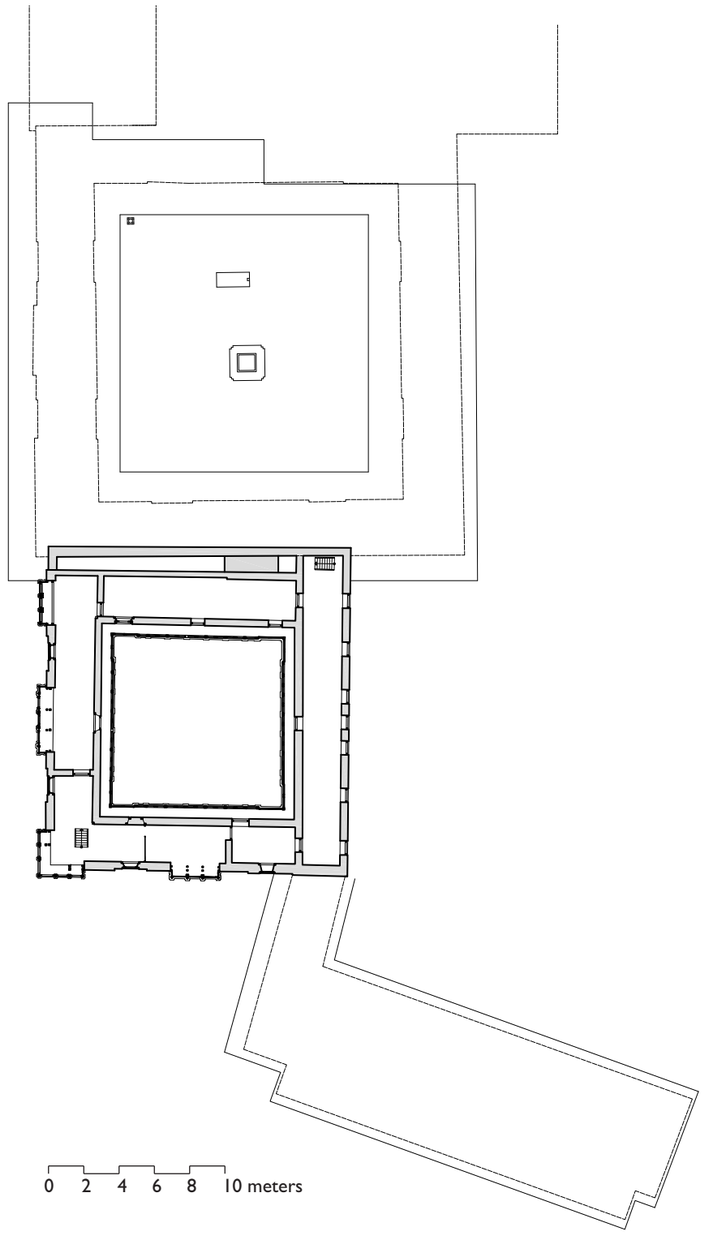


MULCOK, SUNDARI COK, COURT BUILDING
GROUND FLOOR PLAN | OCTOBER, 2007



MULCOK, SUNDARI COK, COURT BUILDING

FIRST FLOOR PLAN | OCTOBER, 2007



MULCOK, SUNDARI COK, COURT BUILDING

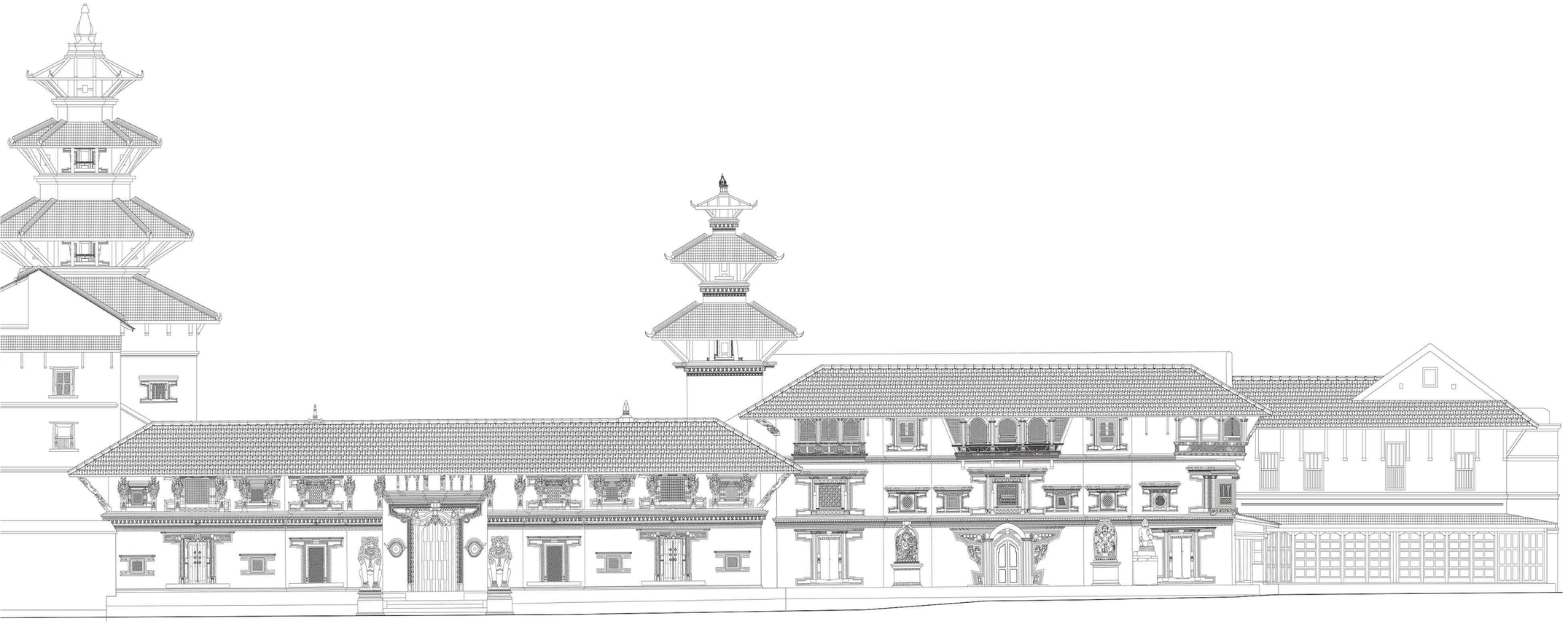
SECOND FLOOR PLAN | OCTOBER, 2007

PALACE COMPLEX

N–S ELEVATION SEEN FROM DARBAR SQUARE | JANUARY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

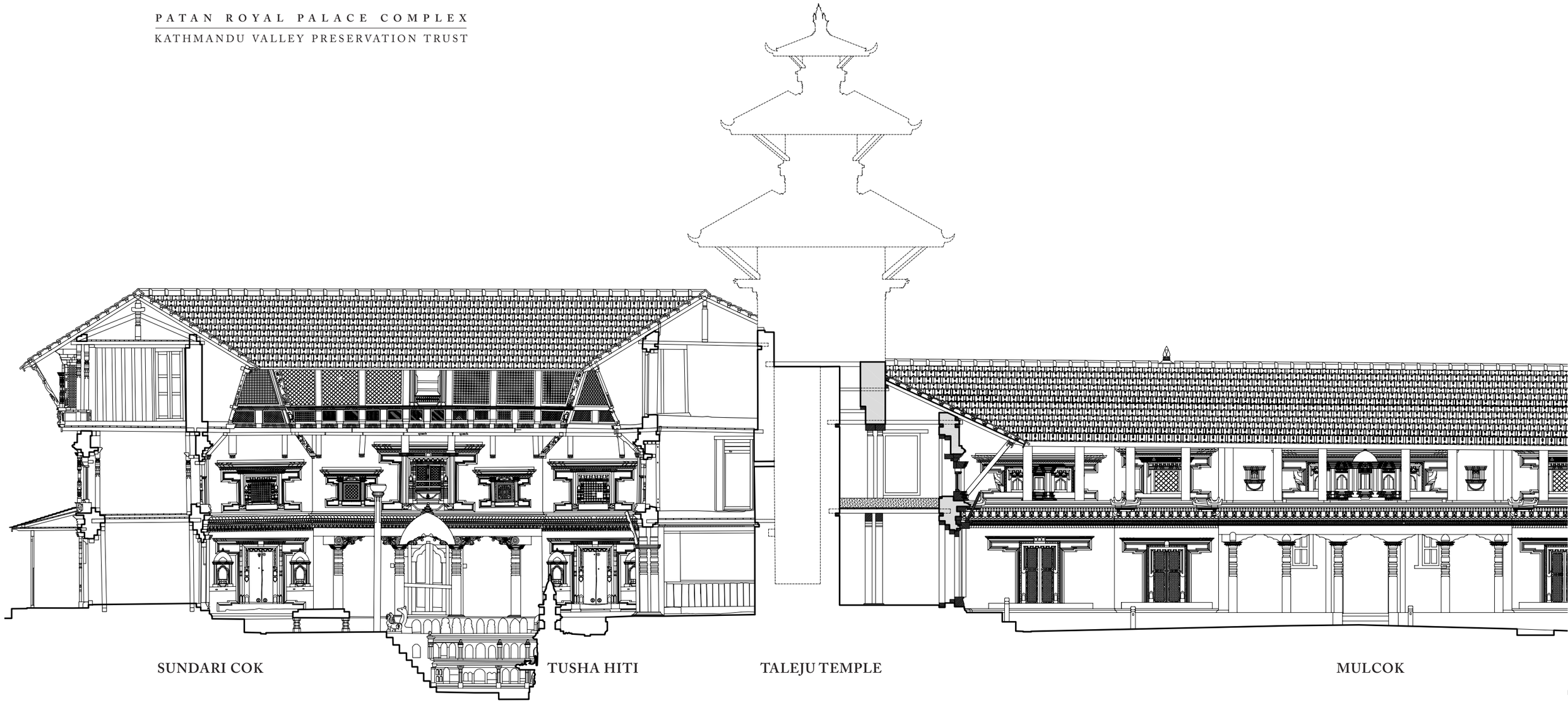


PALACE COMPLEX

S–N SECTION AND ELEVATION | JANUARY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



SUNDARI COK TUSHA HITI TALEJU TEMPLE MULCOK

NASAL COK

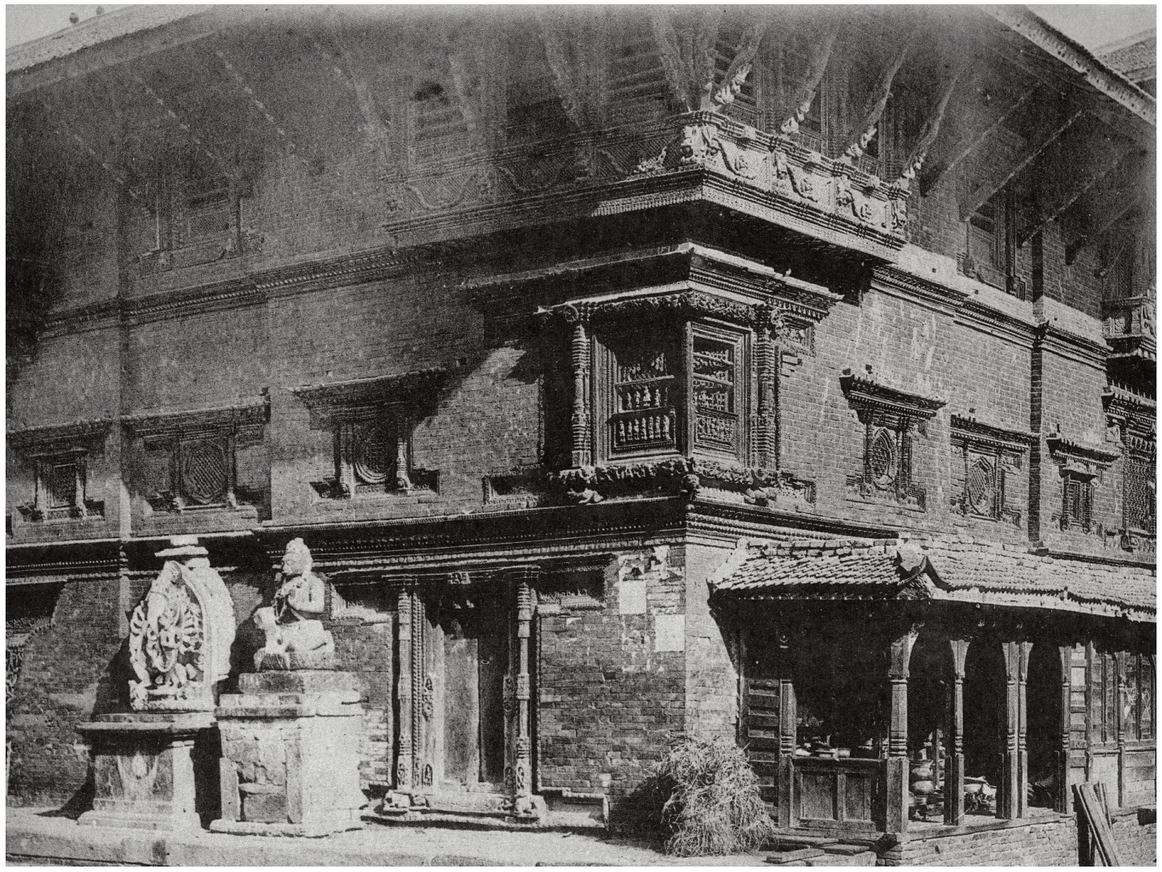
DEGUTALE TEMPLE

SUNDARI COK

CONSTRUCTED BY SIDDHINARASIMHA MALLA 1627

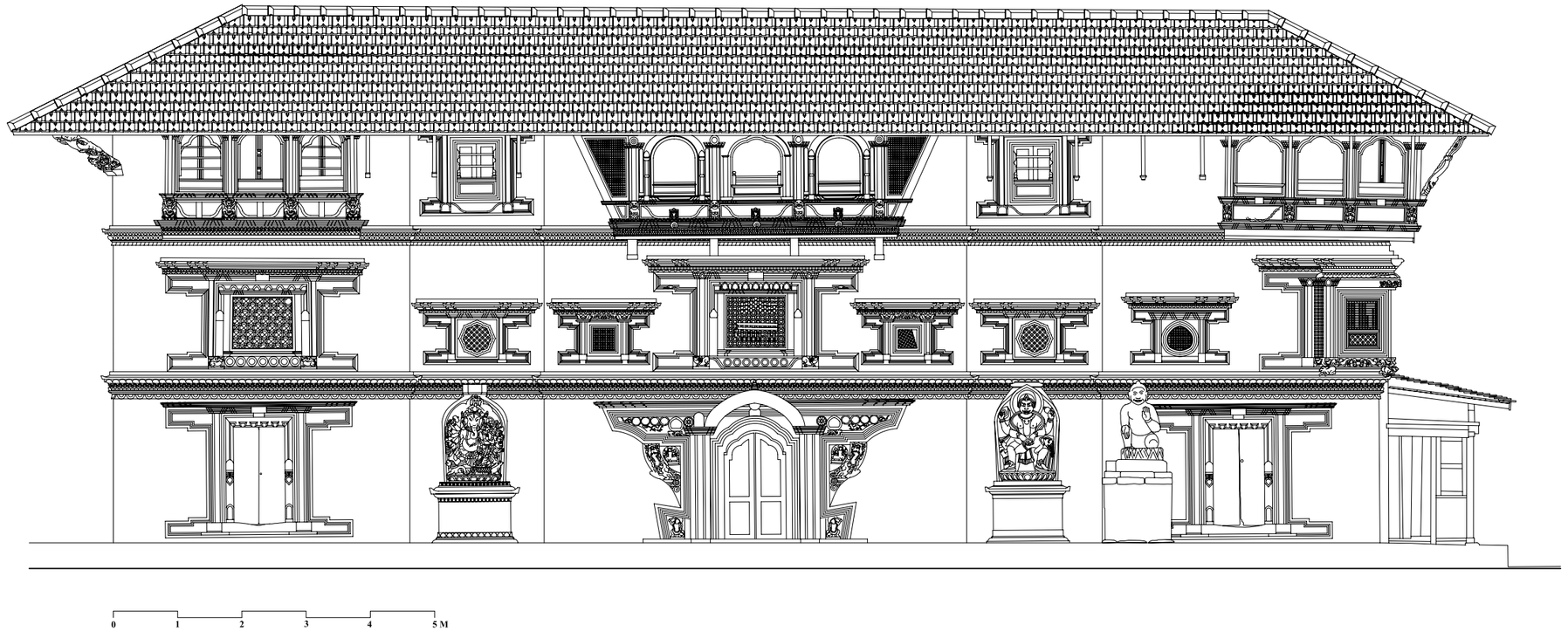
Sundari Cok courtyard, looking North
photograph by Stanislav Klimek, October 2006

Scaffolding in the Sundari Cok courtyard
Photograph 2008



Southwest Corner of Sundari Cok
Photograph by Gustave Le Bon, 1885

Door on Sundari Cok's principale facade
Photograph by Stanislav Klimek, October 2006

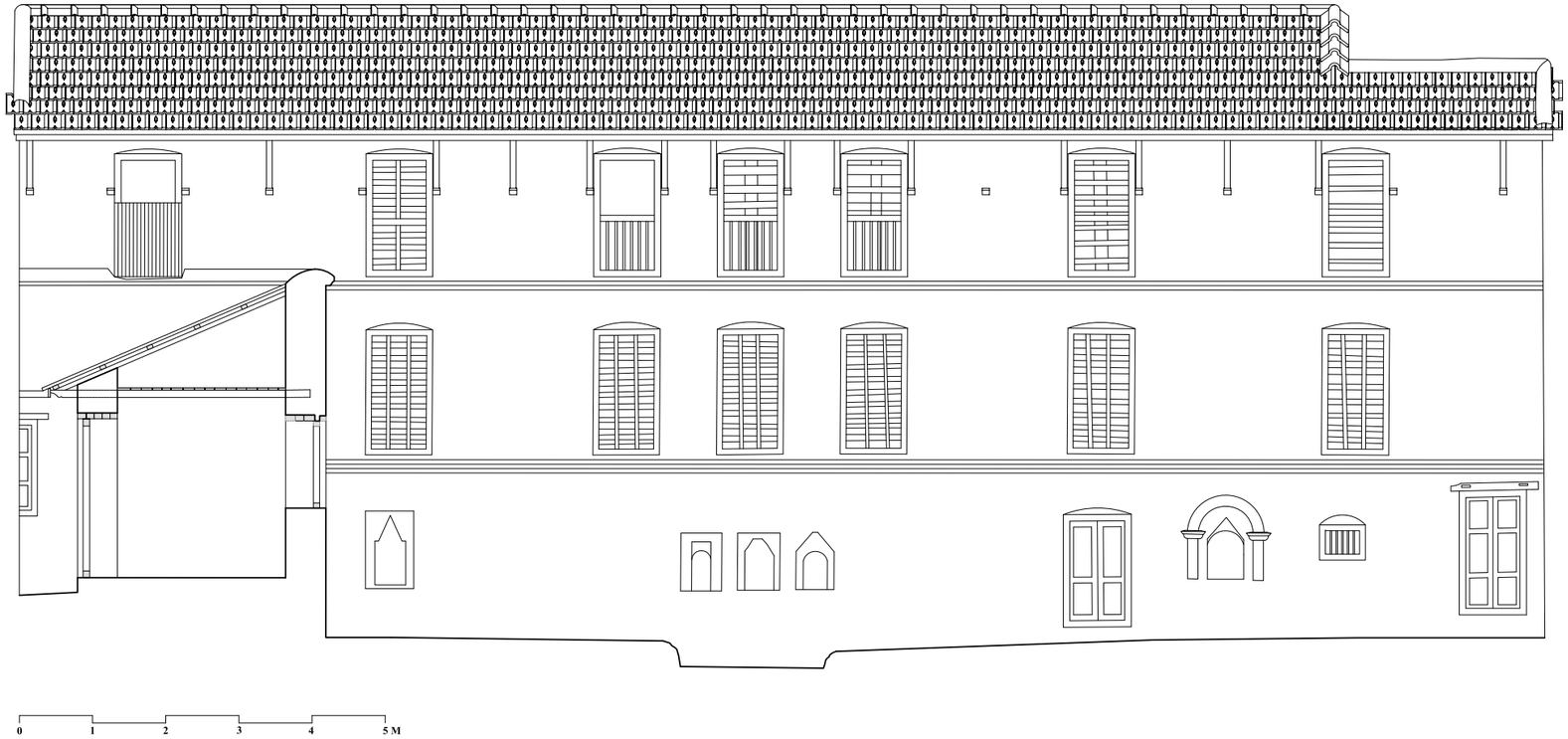


SUNDARI COK

WEST ELEVATION | APRIL, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



SUNDARI COK

EAST ELEVATION | MAY, 2008

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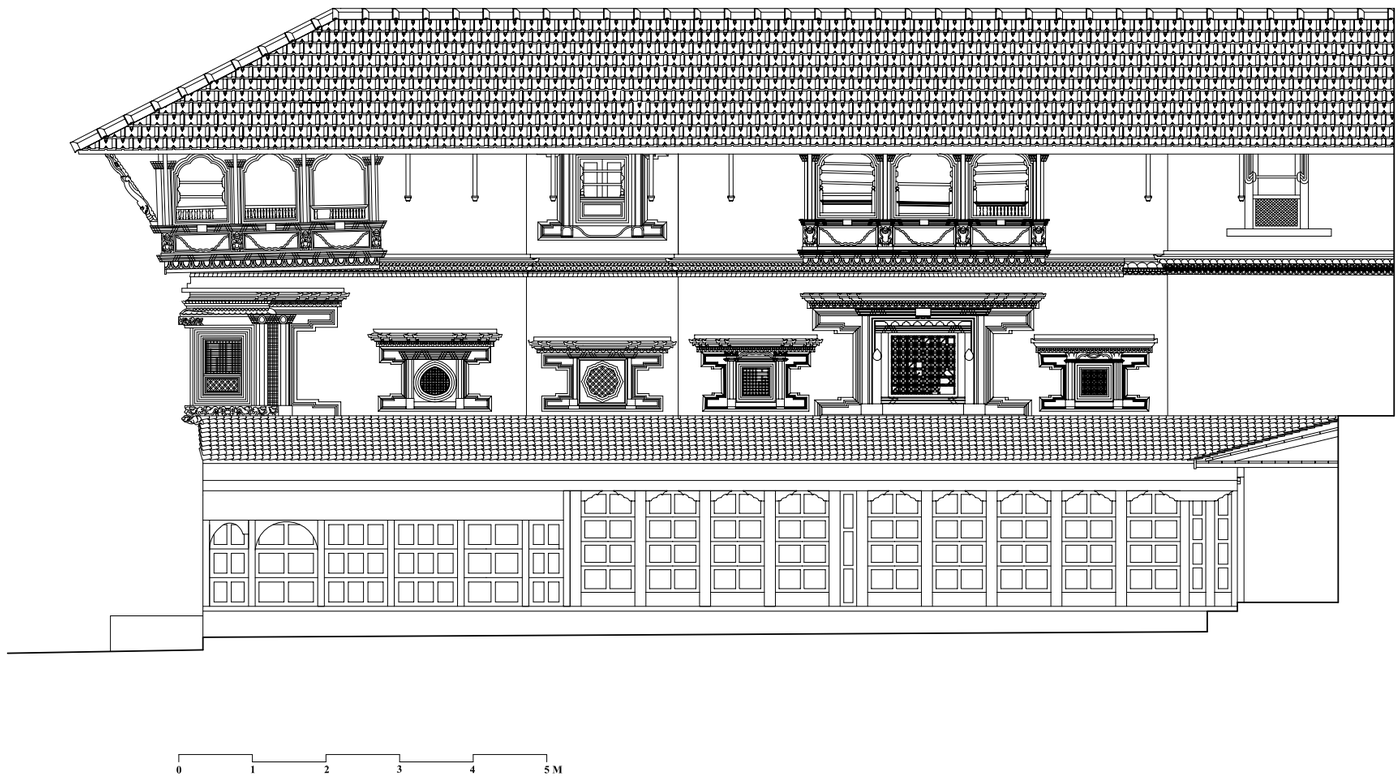
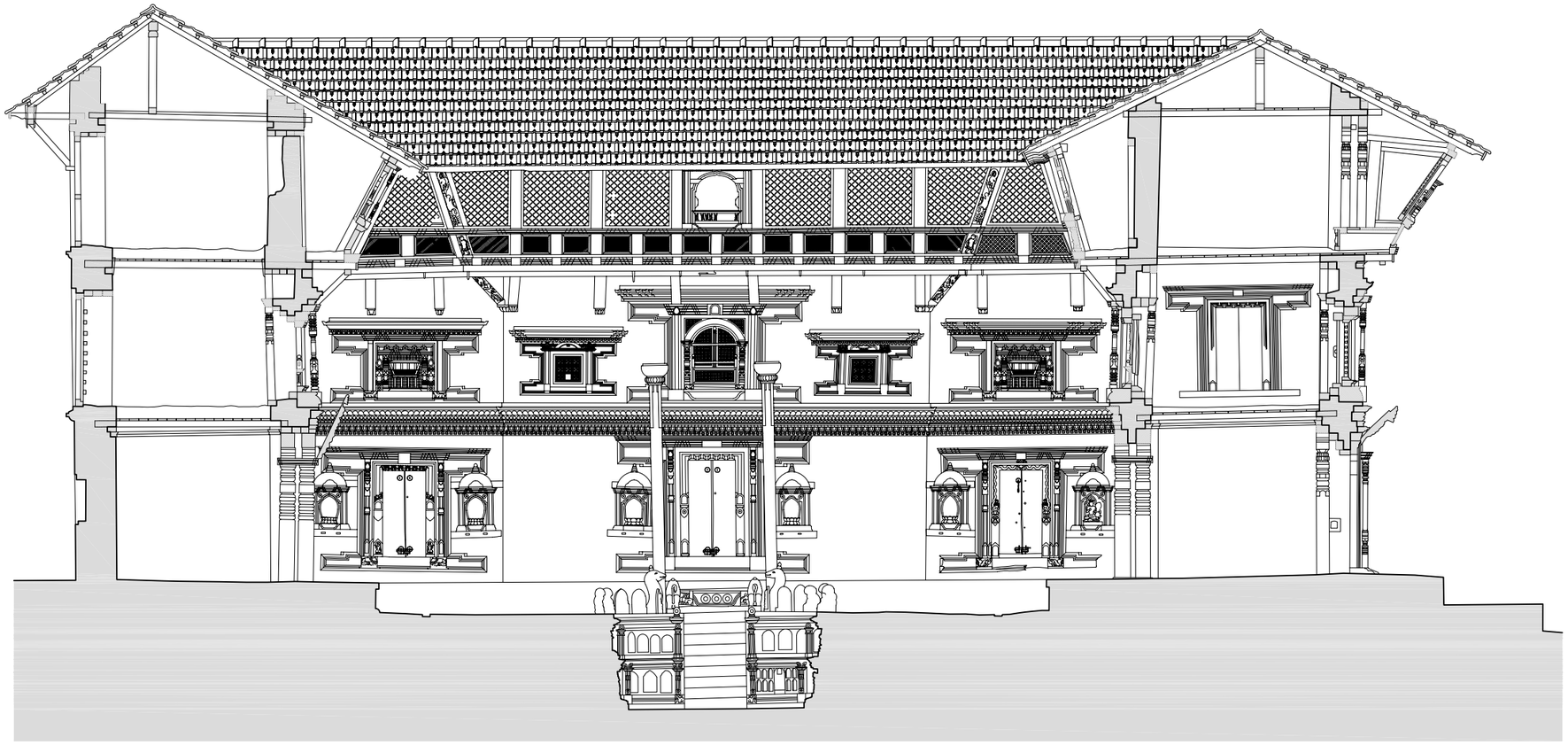


SUNDARI COK

SOUTH ELEVATION | APRIL, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



SUNDARI COK

COURTYARD NORTH ELEVATION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

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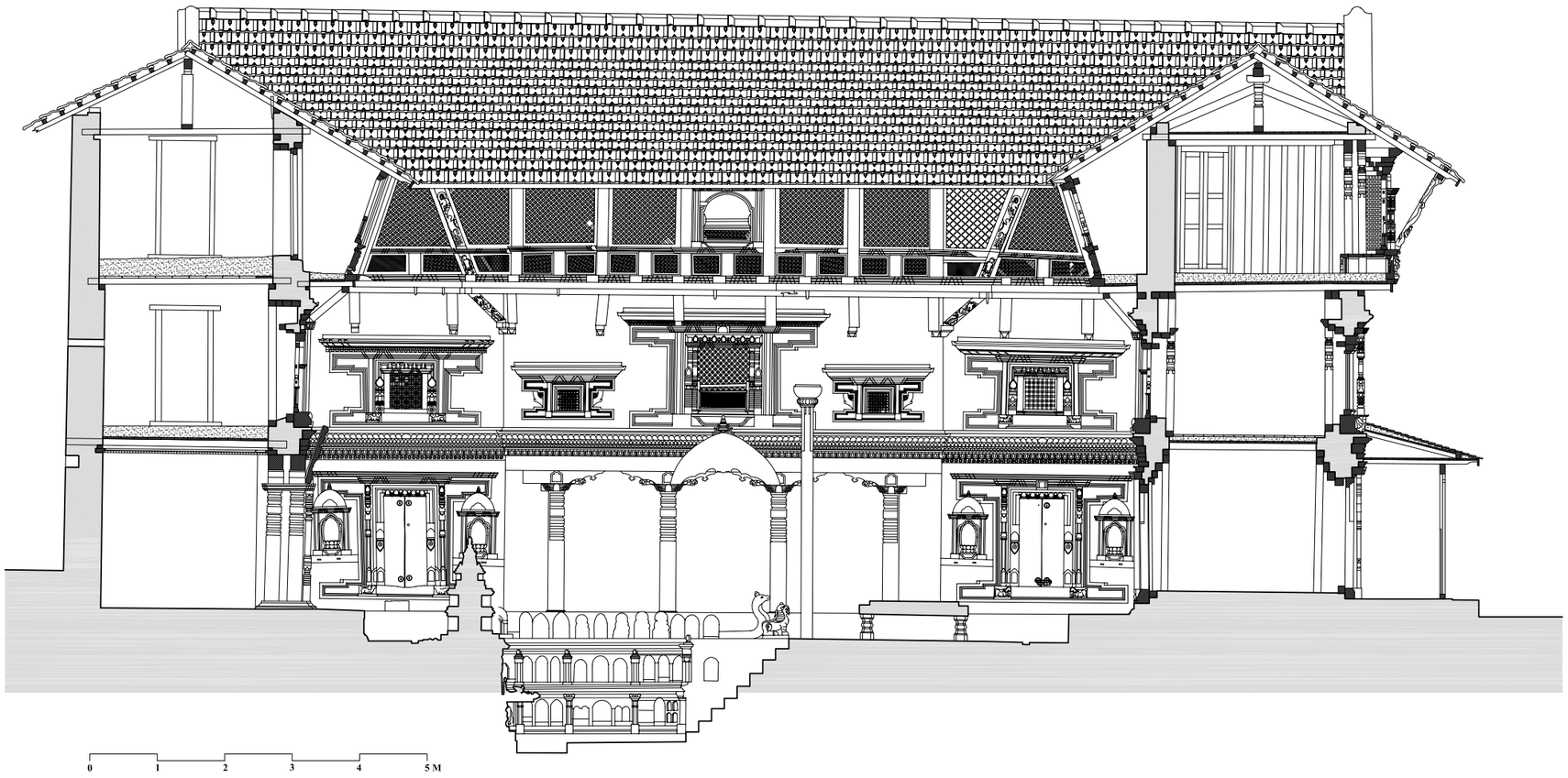

SUNDARI COK

COURTYARD WEST ELEVATION | APRIL, 2008

PATAN ROYAL PALACE COMPLEX

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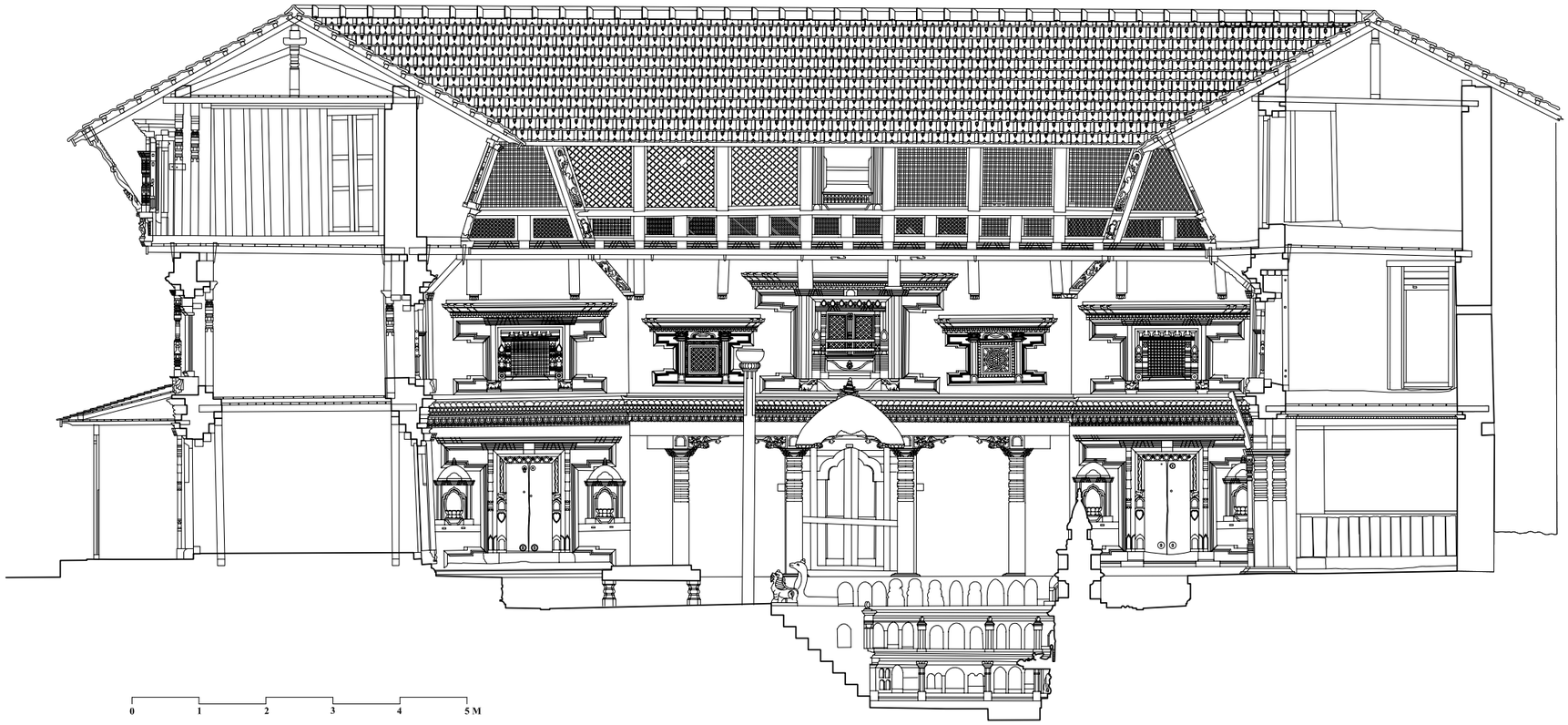

SUNDARI COK

COURTYARD EAST ELEVATION | APRIL, 2008

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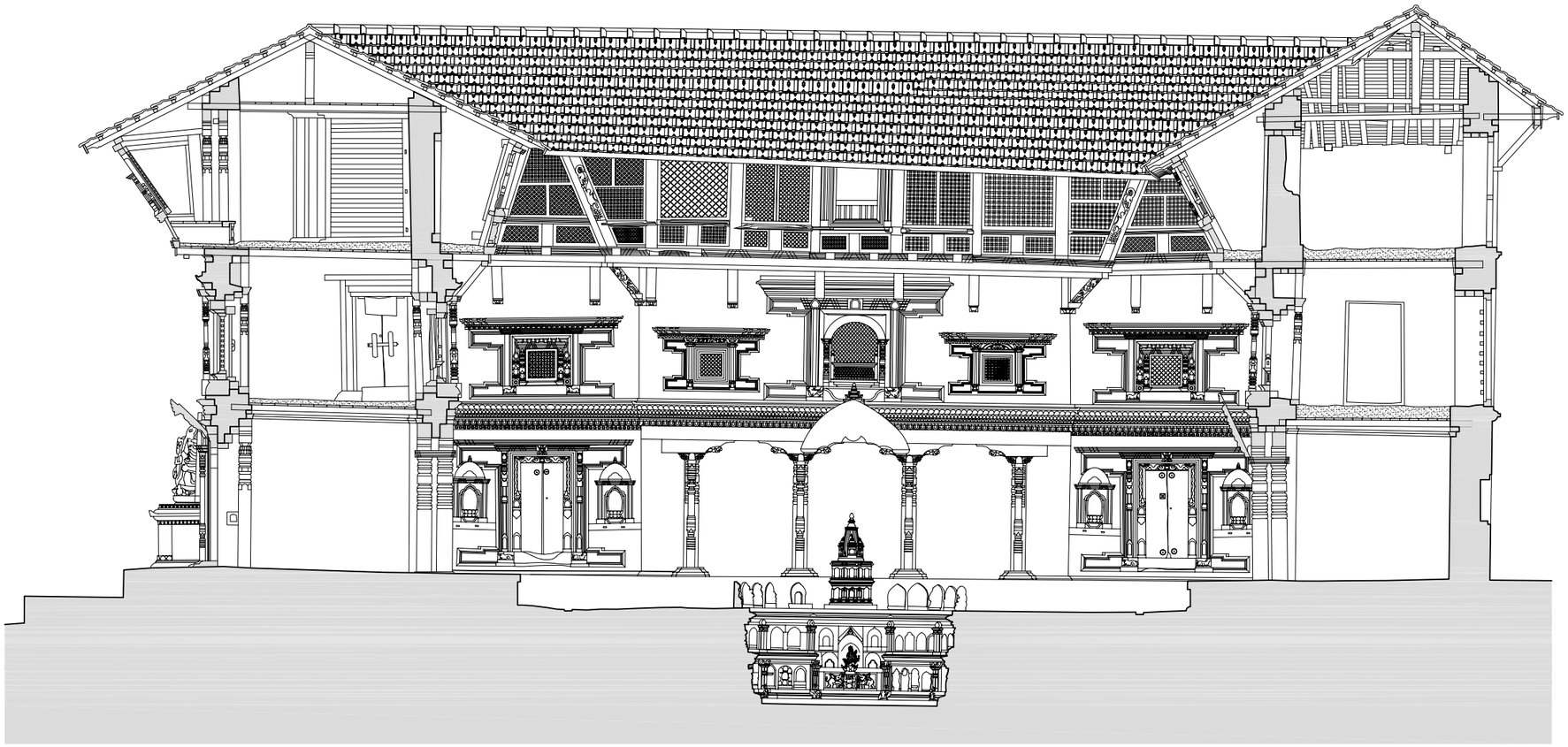

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SUNDARI COK

COURTYARD SOUTH ELEVATION | APRIL, 2008

PATAN ROYAL PALACE COMPLEX

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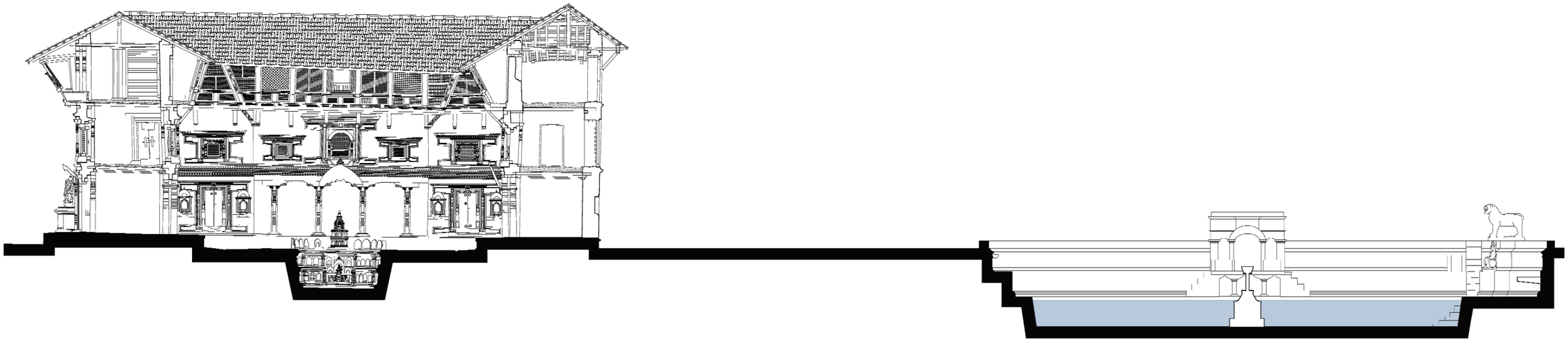
BHANDARKHAL TANK

CONSTRUCTED BY SIDDHINARASIMHA MALLA 1647

View of the Palace Complex and Bhandarkhal Tank from the garden
H. Ambrose Oldfield, ca, 1855



SUNDARI COK & BHANDARKHAL TANK

WEST-EAST SECTION | FEBRUARY, 2009

PATAN ROYAL PALACE COMPLEX

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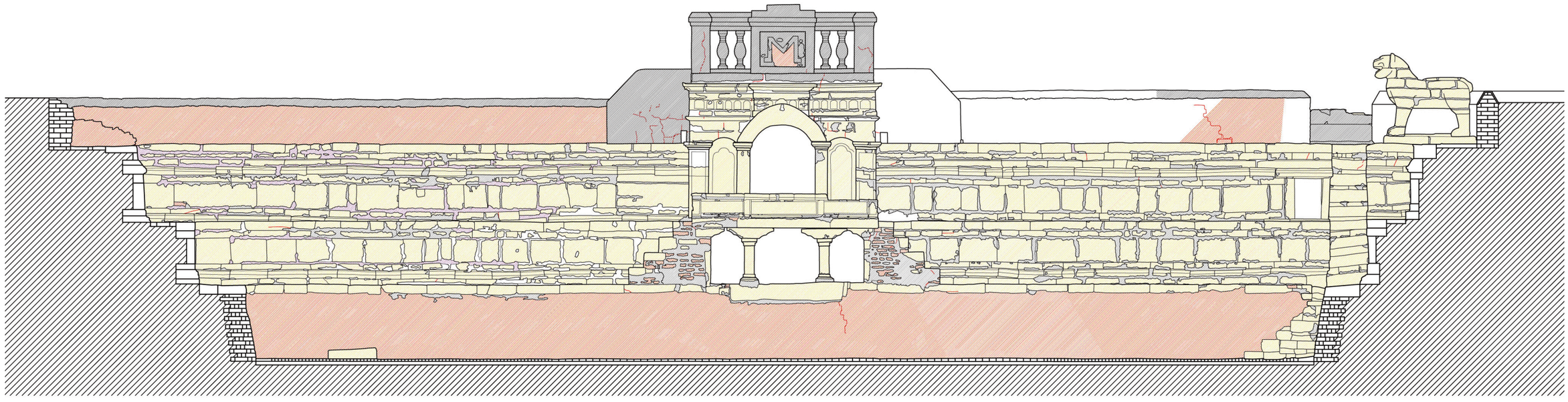
Tusha Hiti in the Sundari Cok courtard
Photograph, October 2006

Pavilion at the Bhandarkhal Tank
H. Ambrose Oldfield, ca. 1855



BHANDARKHAL TANK

SOUTH ELEVATION | FEBRUARY, 2009

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Portland cement pointing

Stone edge laid in cement/sand mortar. Most stones are loose or displaced

Brick wall laid in mud mortar, with large voids and thick joints.

Back-fill of yellowish clay mixed with sand and debris such as broken bricks, roof tiles, and pottery shards

Black clay, used for waterproofing the tank

Modern (approx. 1995) brick veneer wall (width=10cm) laid in cement/sand and lime/brick dust mortars. Pointing with cement/brick dust mortar.

Black clay (brick soling and brick on edge paving have been removed)

Bhandarkhal Restoration details
Photographs, March 2009

TUSHA HITI

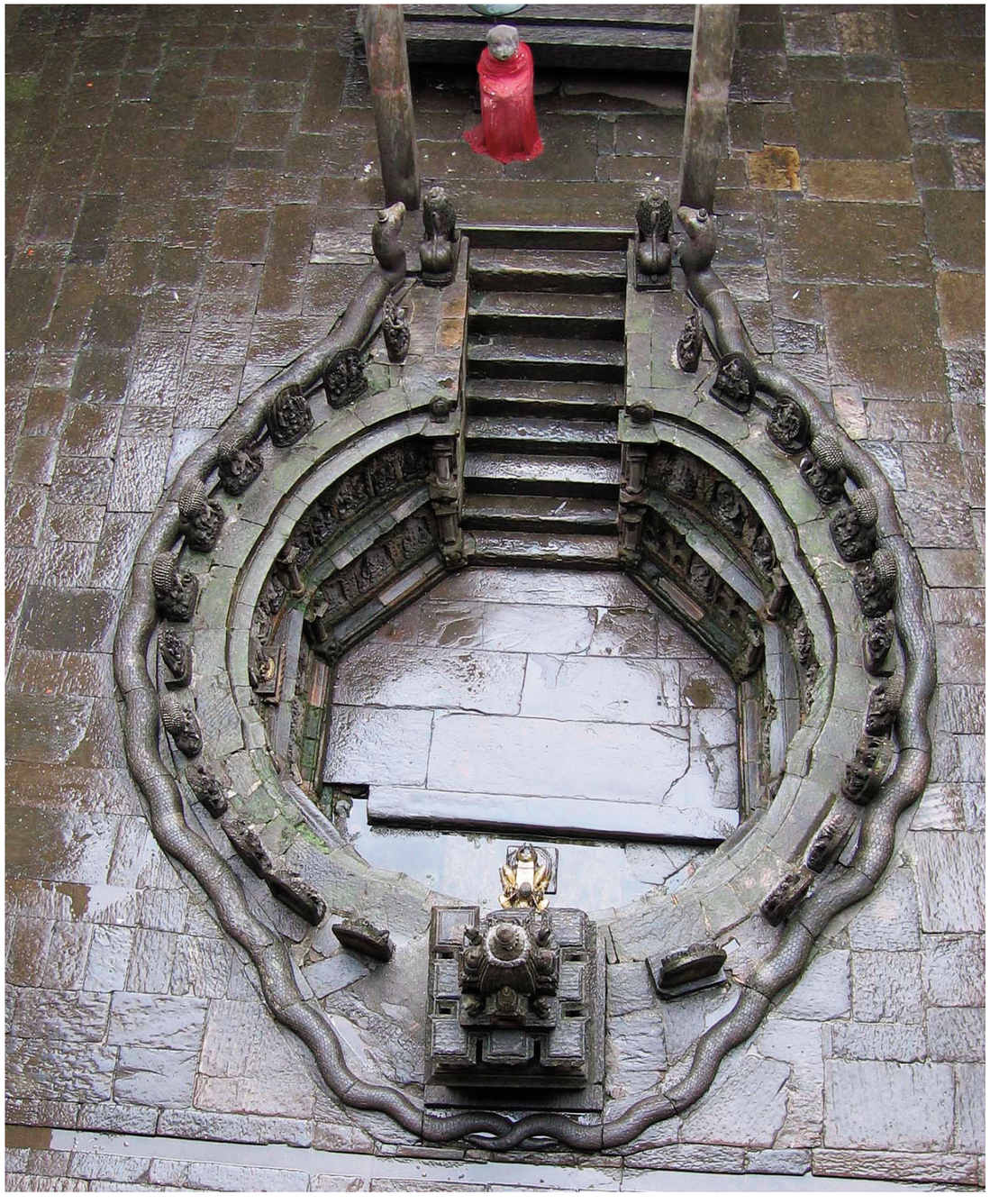
CONSTRUCTED BY SIDDHINARASIMHA MALLA 1647

THUSA HITI

PANORAMIC ELEVATION | FEBRUARY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



Tusha Hiti details
Photographs, March 2006

Mulcok courtyard with Degutale and Taleju Temples

MULCOK

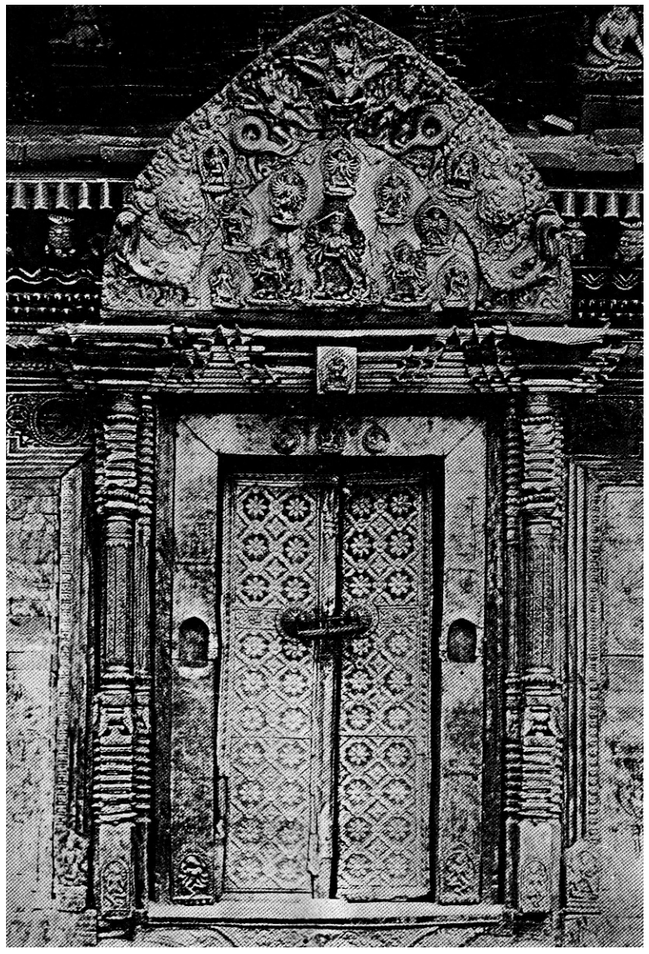
CONSTRUCTED BY SRINIVASA MALLA 1666–1671

Mulcok–South Wing with the gilded entrance to the Taleju Shrine
Photograph, May 2006

MULCOK–COURTYARD: PREPERATIONS FOR THE YEARLY PARADE
Photograph, May 2006

Mulcok East Wing door
Photograph, May 2006

Main entry to Taleju Shrine
Timber door clad in gilded repoussé work
Photograph, May 2006



Main entry to Taleju Shrine
Before parts of the tympanum and figurines in niches were stolen
Photograph, around 1962

Carving detail
Photograph, May 2006

Door lintel carving detail
Photograph, May 2006

The goddess Yamuna (on a tortoise) guarding the entrance to Taleju Shrine
Photograph, May 2006

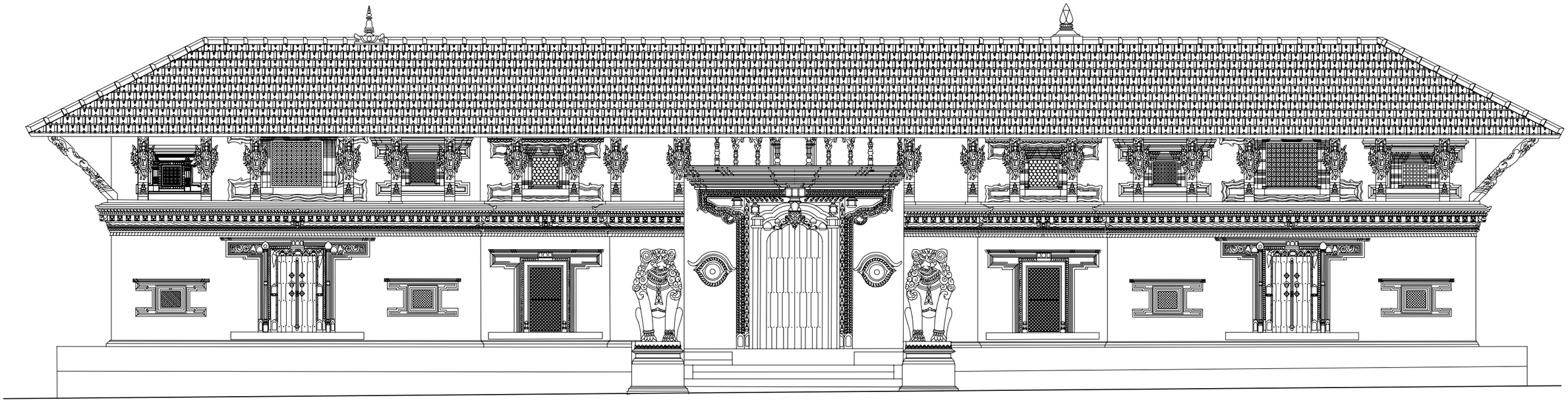
Principal facade

Till the 1920s Mulcok's roof was still covered with the traditional roof tiles laid in a mud bed. Other historic photographs attest to a number of renovations: during the 1930s the roof cover was replaced with corrugated metal, and after the 1934 earthquake it was covered with large modern tiles.

The three-tiered temple on the left with its square, octagonal, and round roofs was lost in the 1934 earthquake. The Taleju temple on the right still exists.
Photograph by Perceval Landon, 1922

Main gate to Mulcok

This large door dates from a renovation by Jagat Shamshere Rana in honor of his son's rice feeding ceremony, circa 1860s.
Photograph, May 2006



MULCOK

WEST ELEVATION | APRIL, 2008

PATAN ROYAL PALACE COMPLEX

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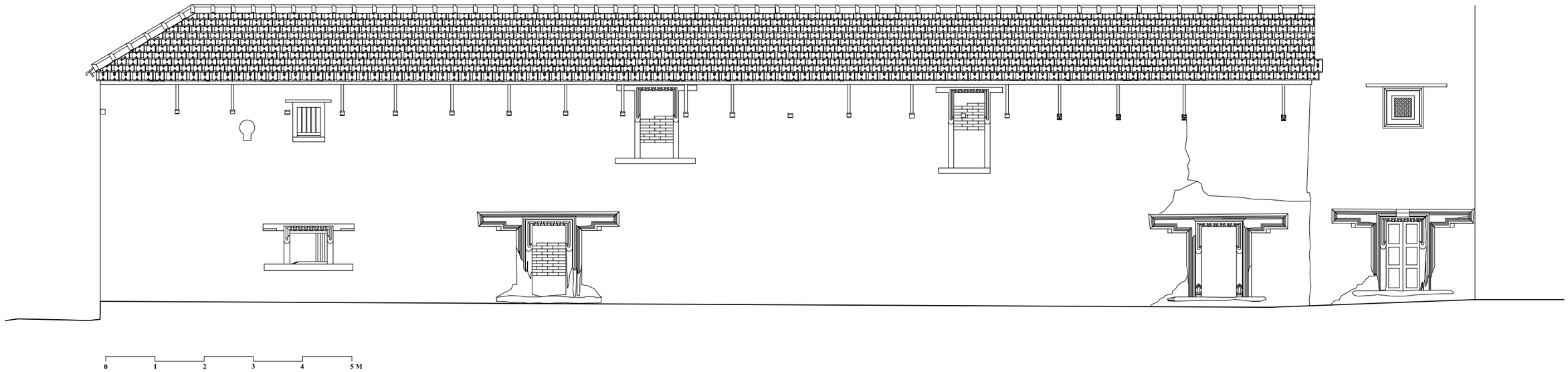

MULCOK

EAST ELEVATION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

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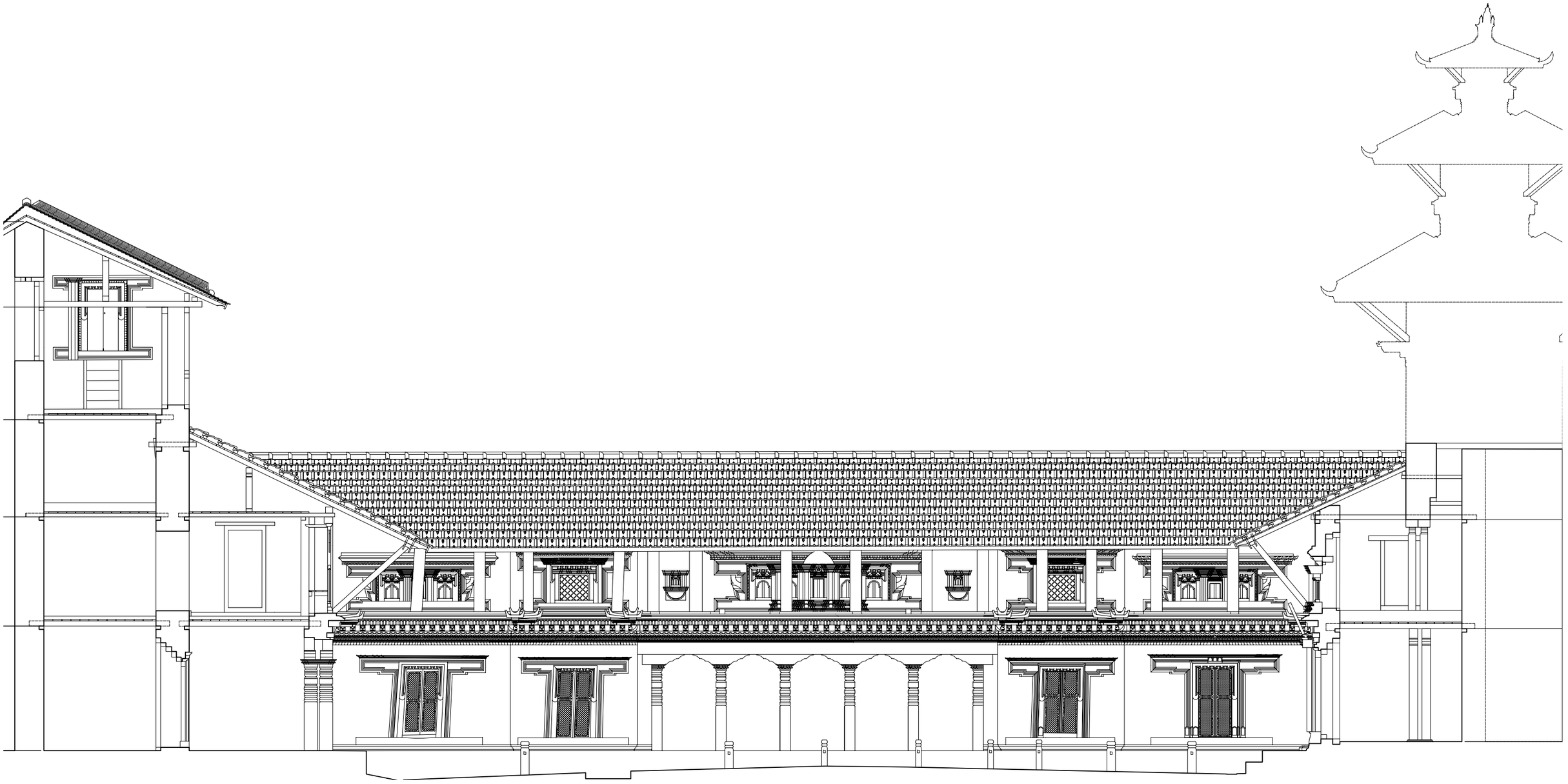

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MULCOK

COURTYARD WEST ELEVATION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

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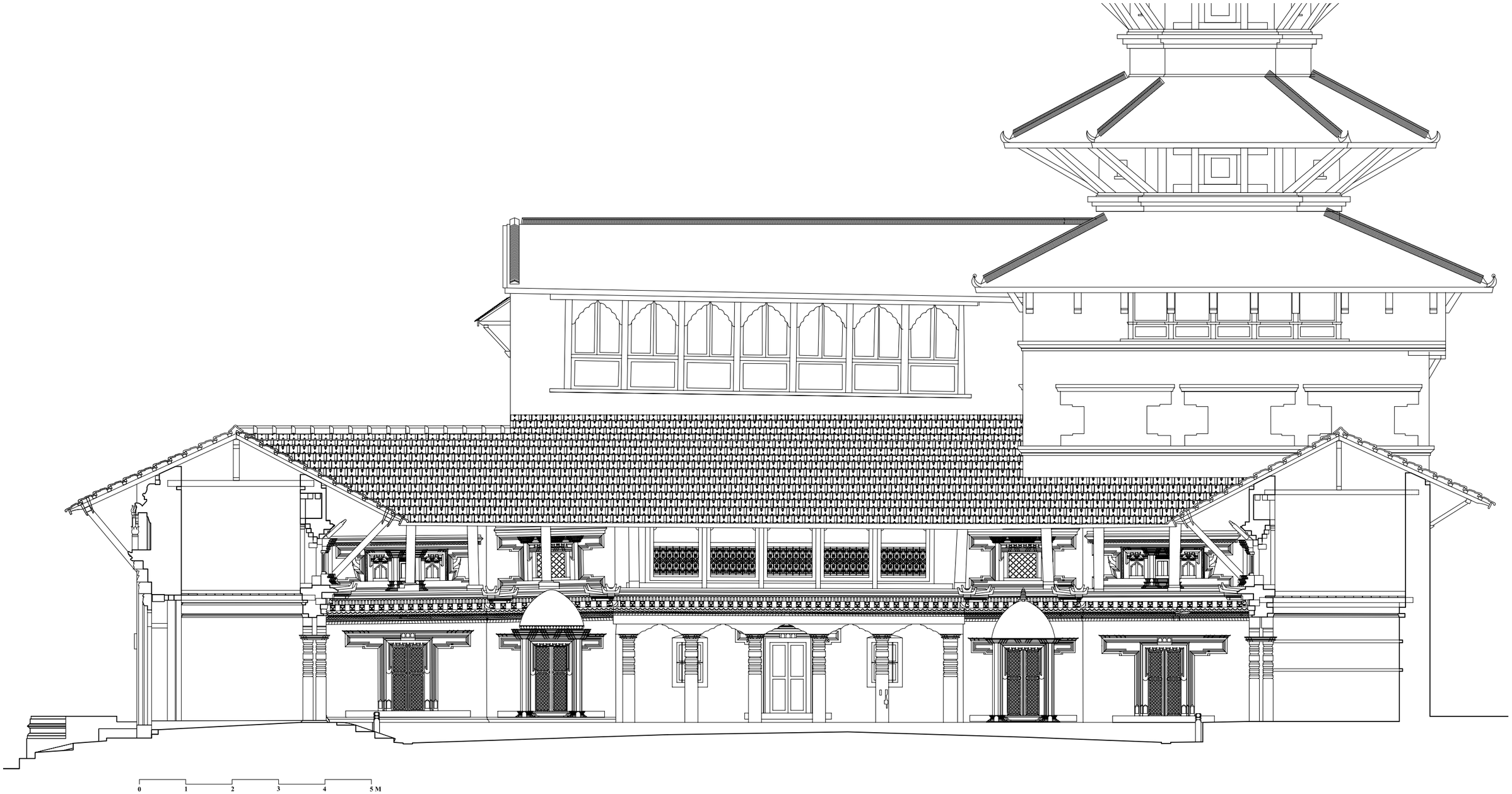
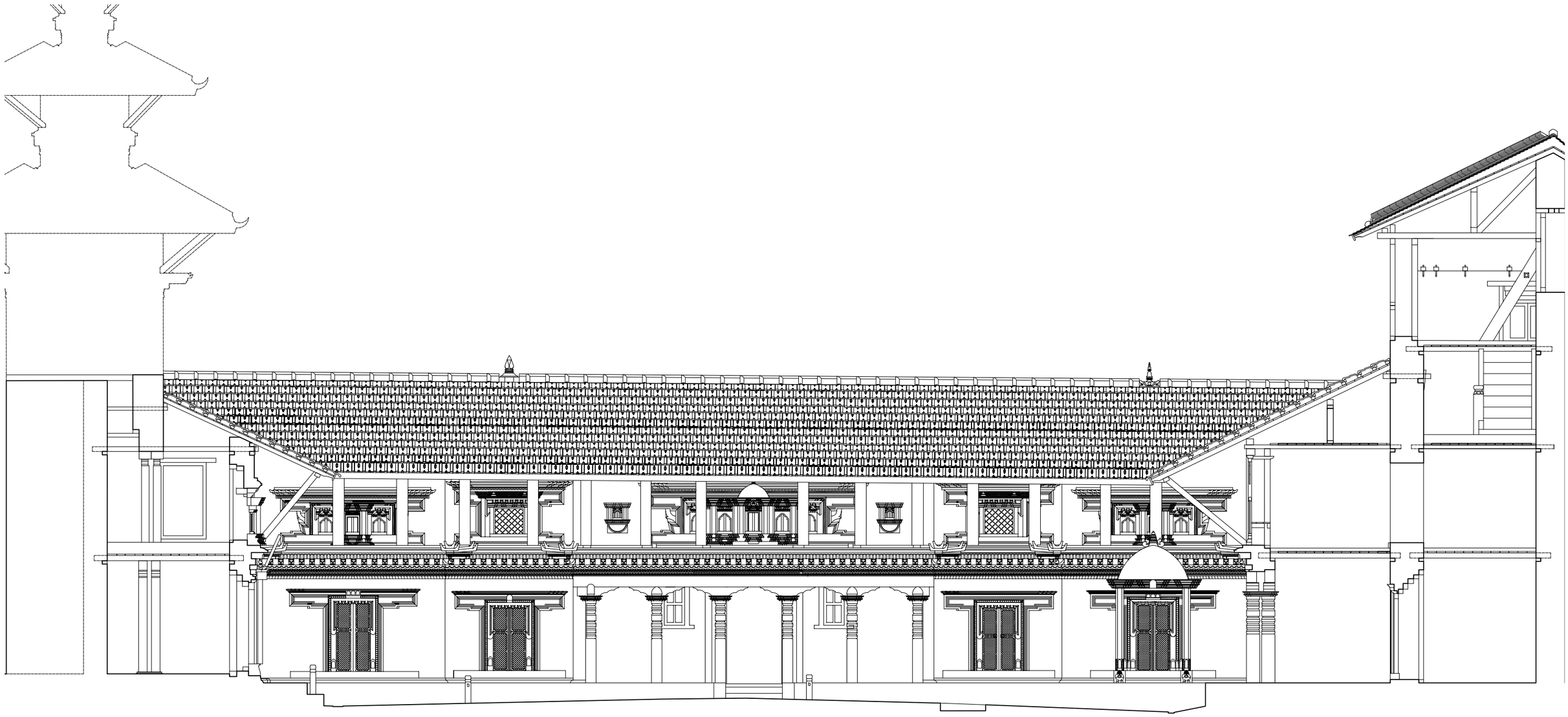


MULCOK

COURTYARD SOUTH ELEVATION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



MULCOK

COURTYARD EAST ELEVATION | MAY, 2008

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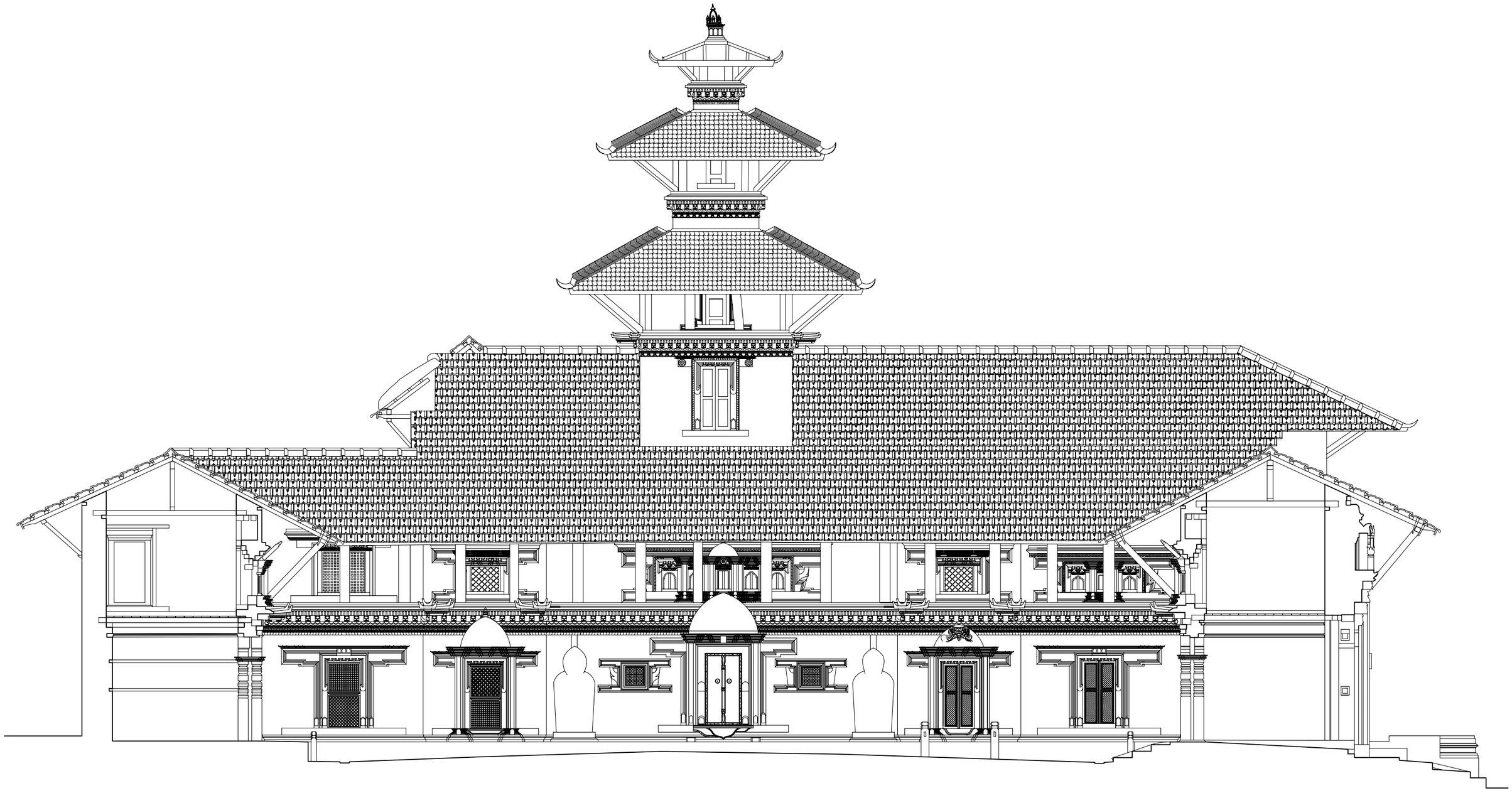
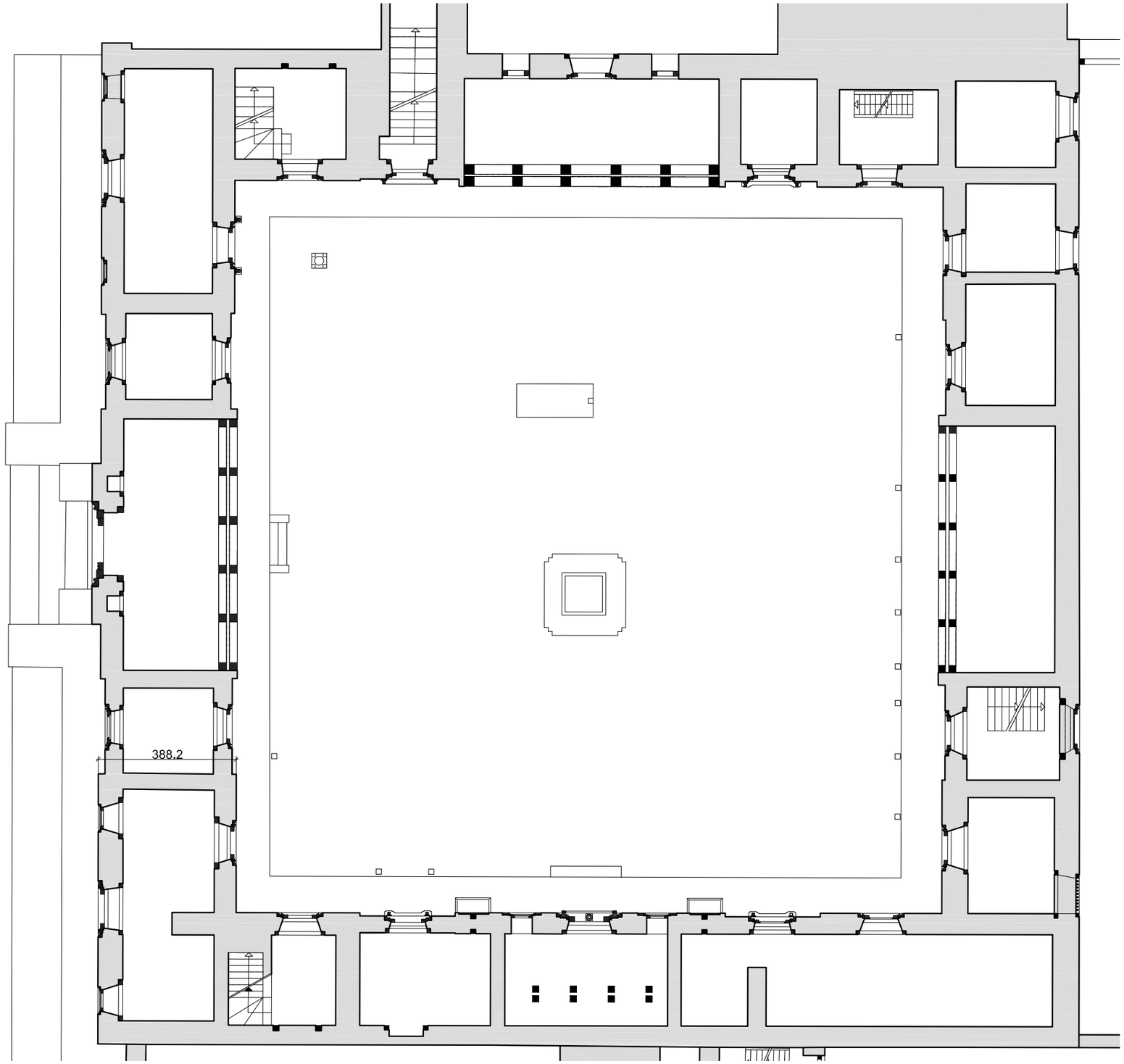


MULCOK

COURTYARD NORTH ELEVATION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

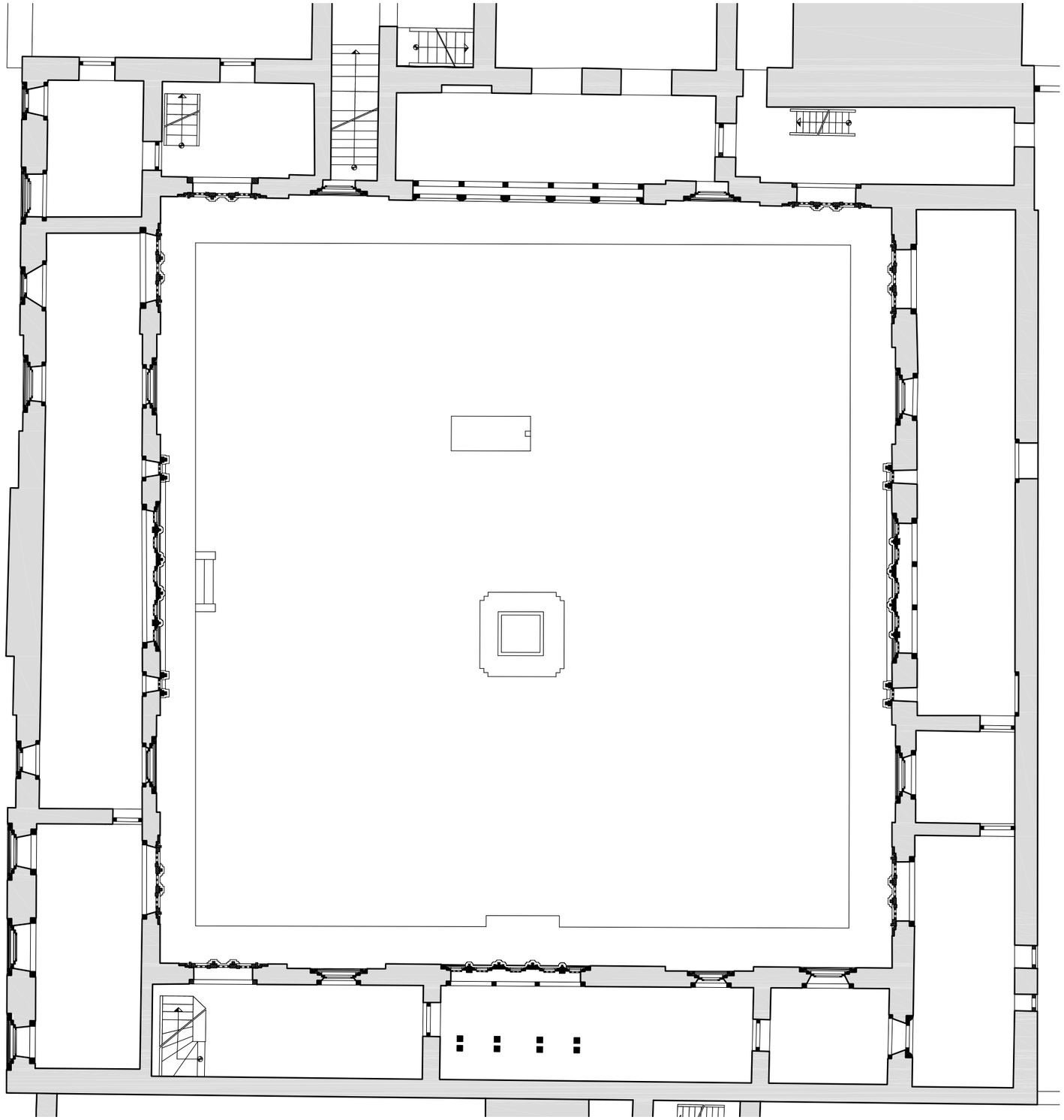


MULCOK

GROUND FLOOR PLAN | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

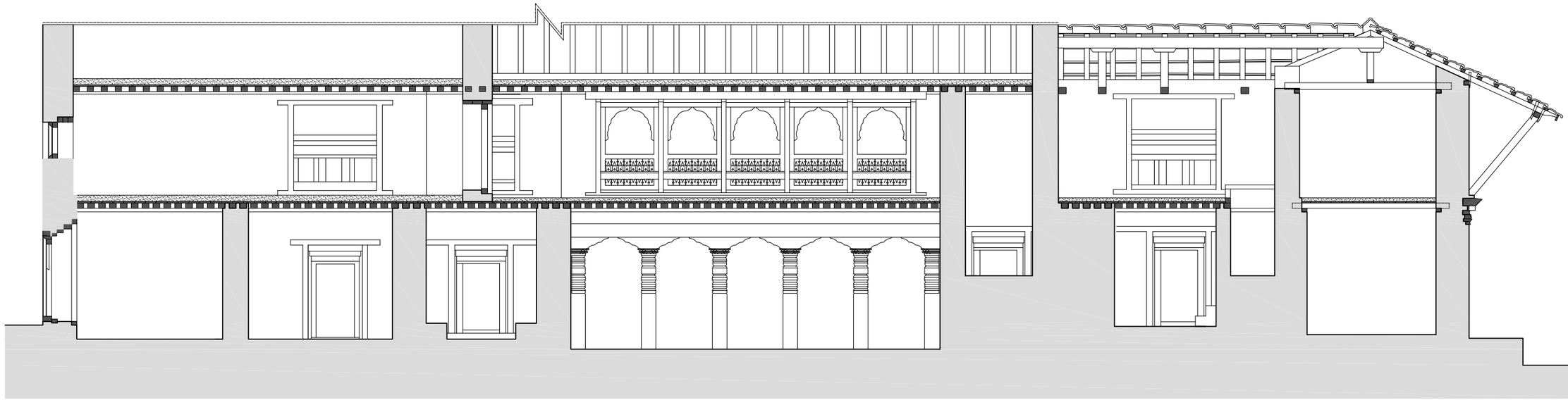


MULCOK

FIRST FLOOR PLAN | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

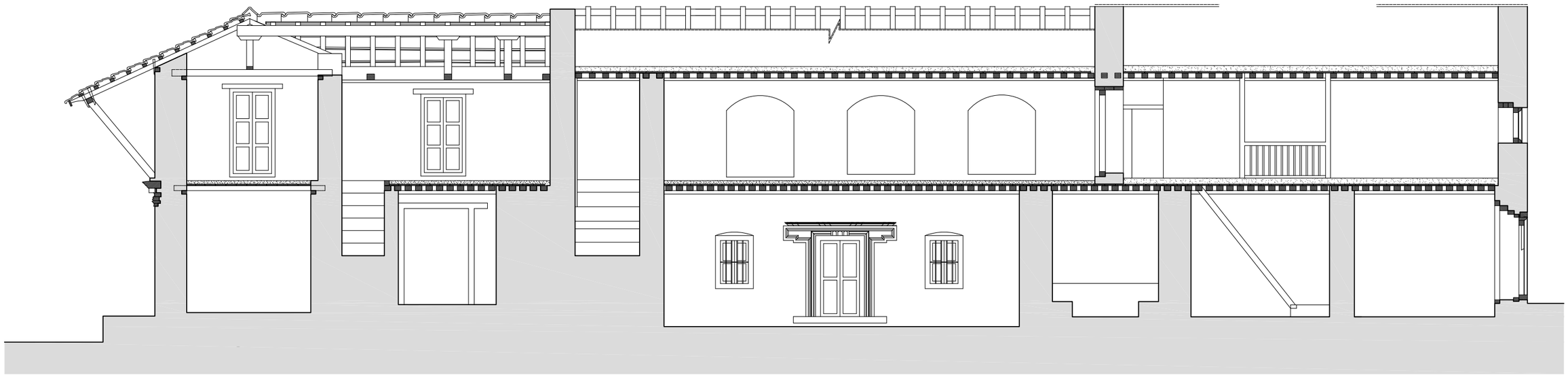


MULCOK

NORTH WING E–W SECTION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



MULCOK

NORTH WING W–E SECTION | MAY, 2008

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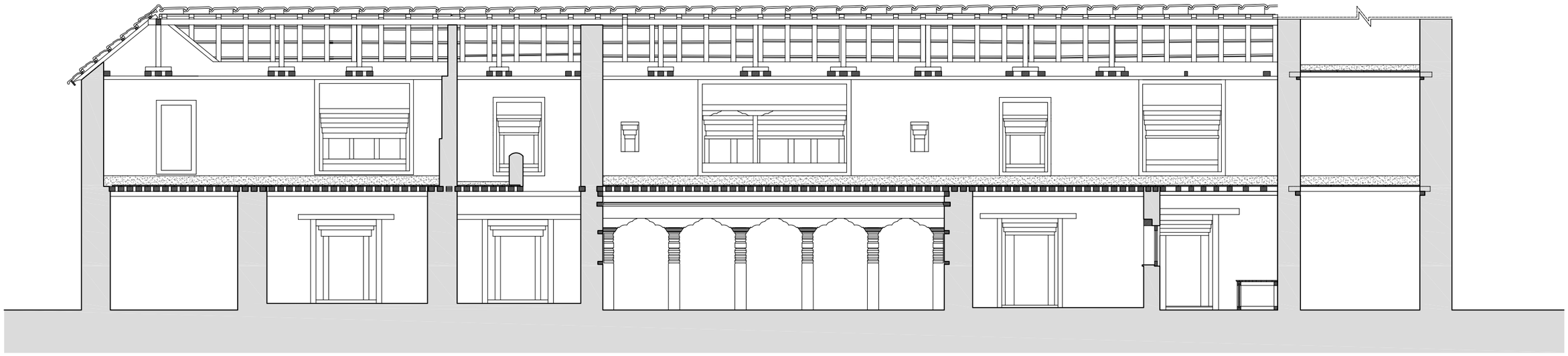

MULCOK

EAST WING S–N SECTION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

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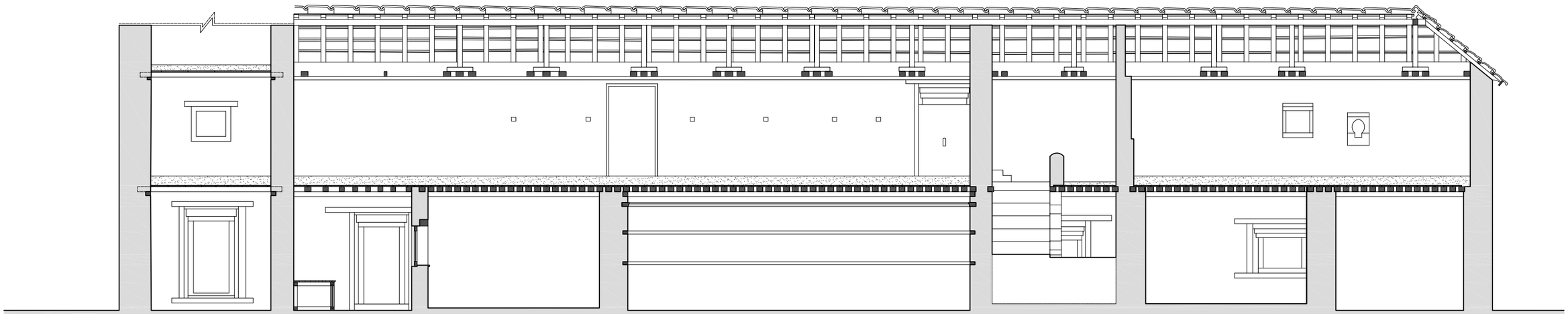

MULCOK

EAST WING N–S SECTION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

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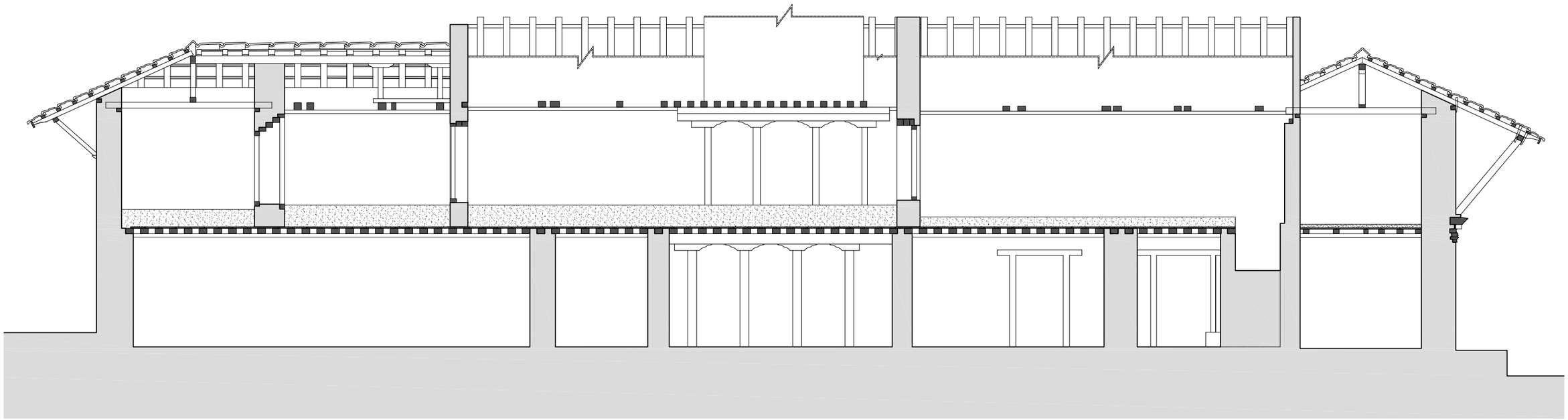
MULCOK

SOUTH WING W–E SECTION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



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SOUTH WING E–W SECTION | MAY, 2008

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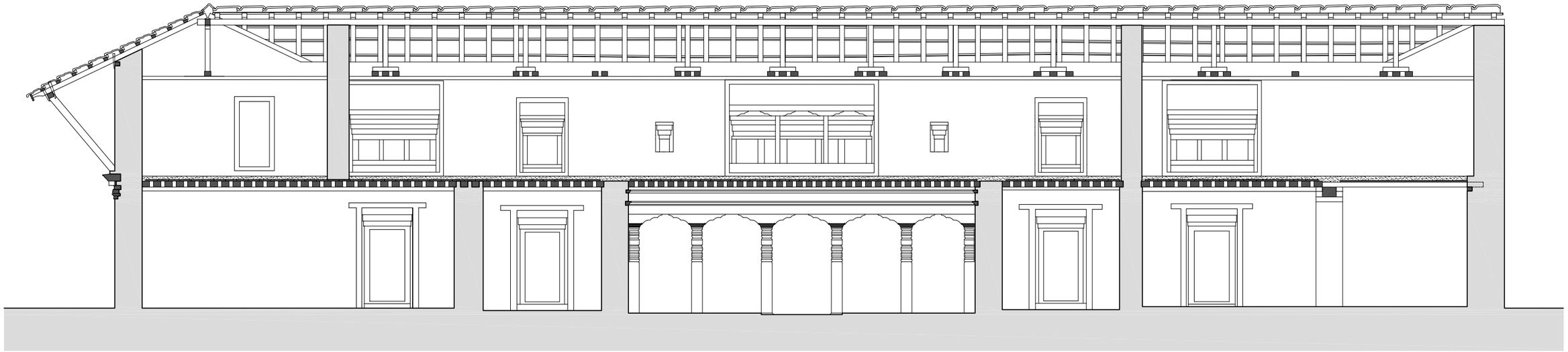

MULCOK

WEST WING N–S SECTION | MAY, 2008

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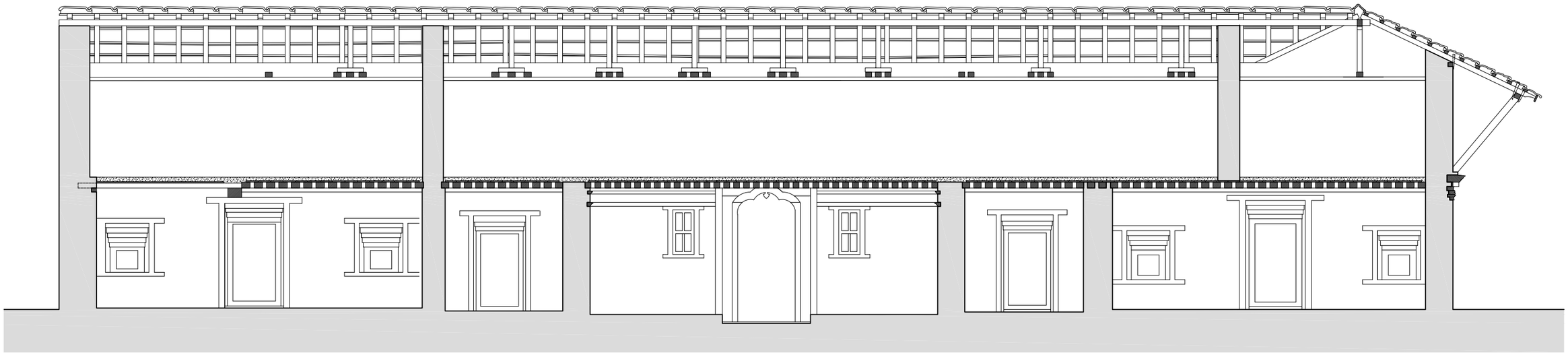


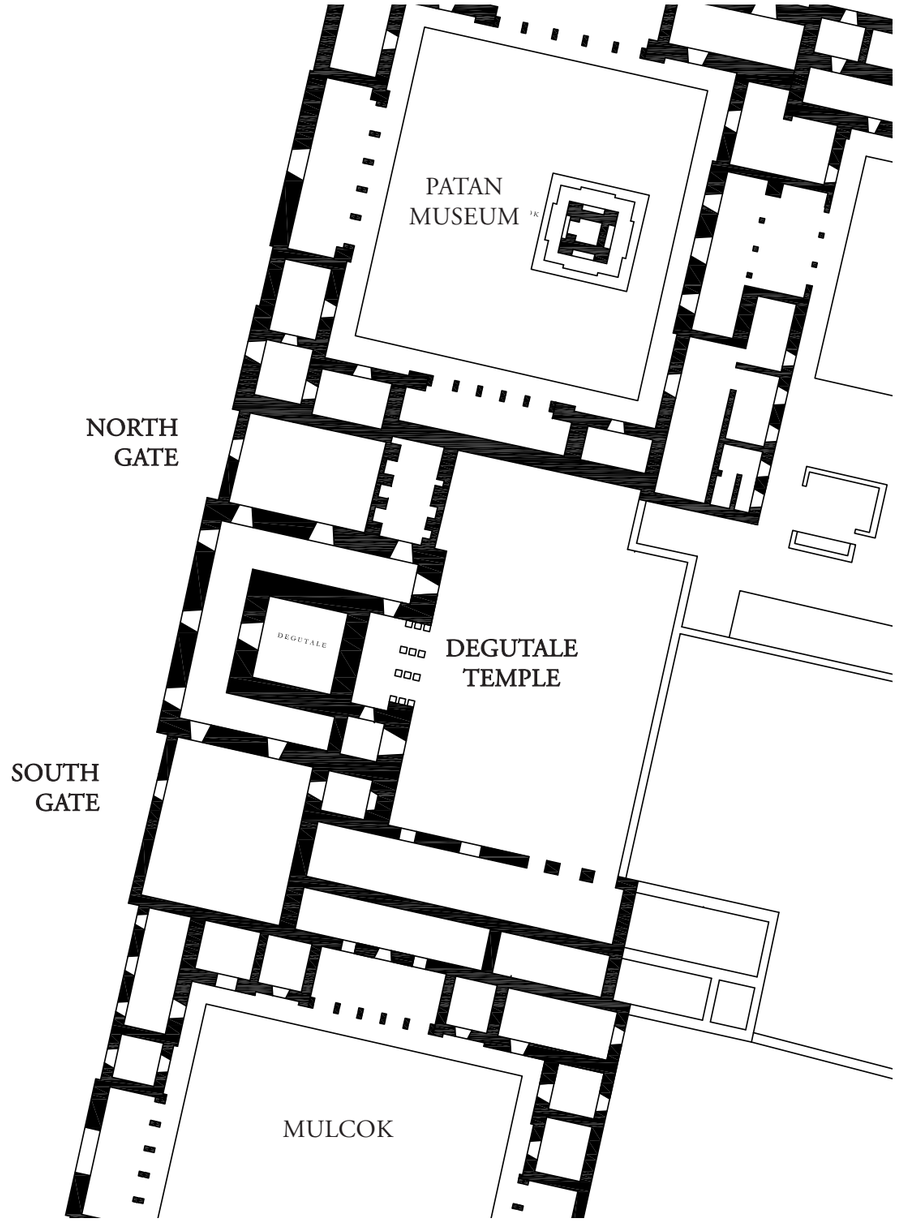
MULCOK

WEST WING S–N SECTION | MAY, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

STONE GATES AND COURTYARDS TO THE NORTH AND SOUTH OF DEGUTALE TEMPLE



DEGUTALE TEMPLE

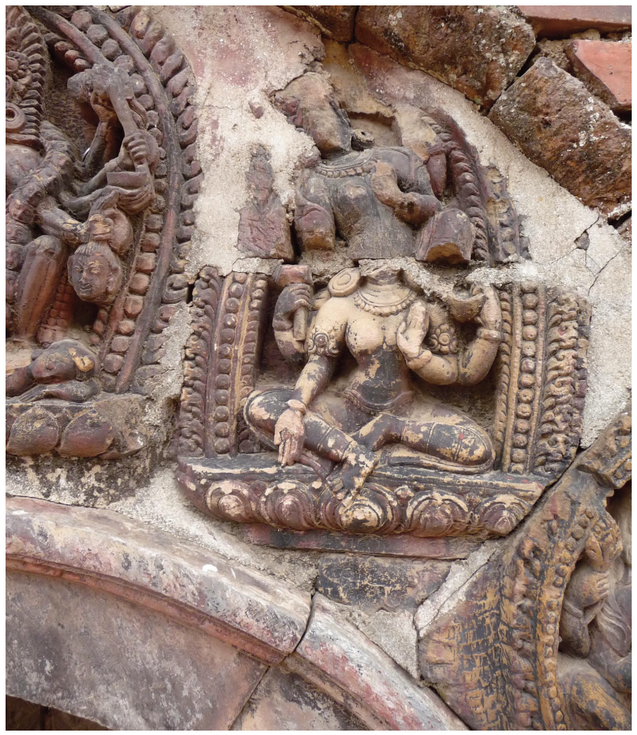
SITE PLAN INDICATING LOCATION OF GATES | MAY, 2008

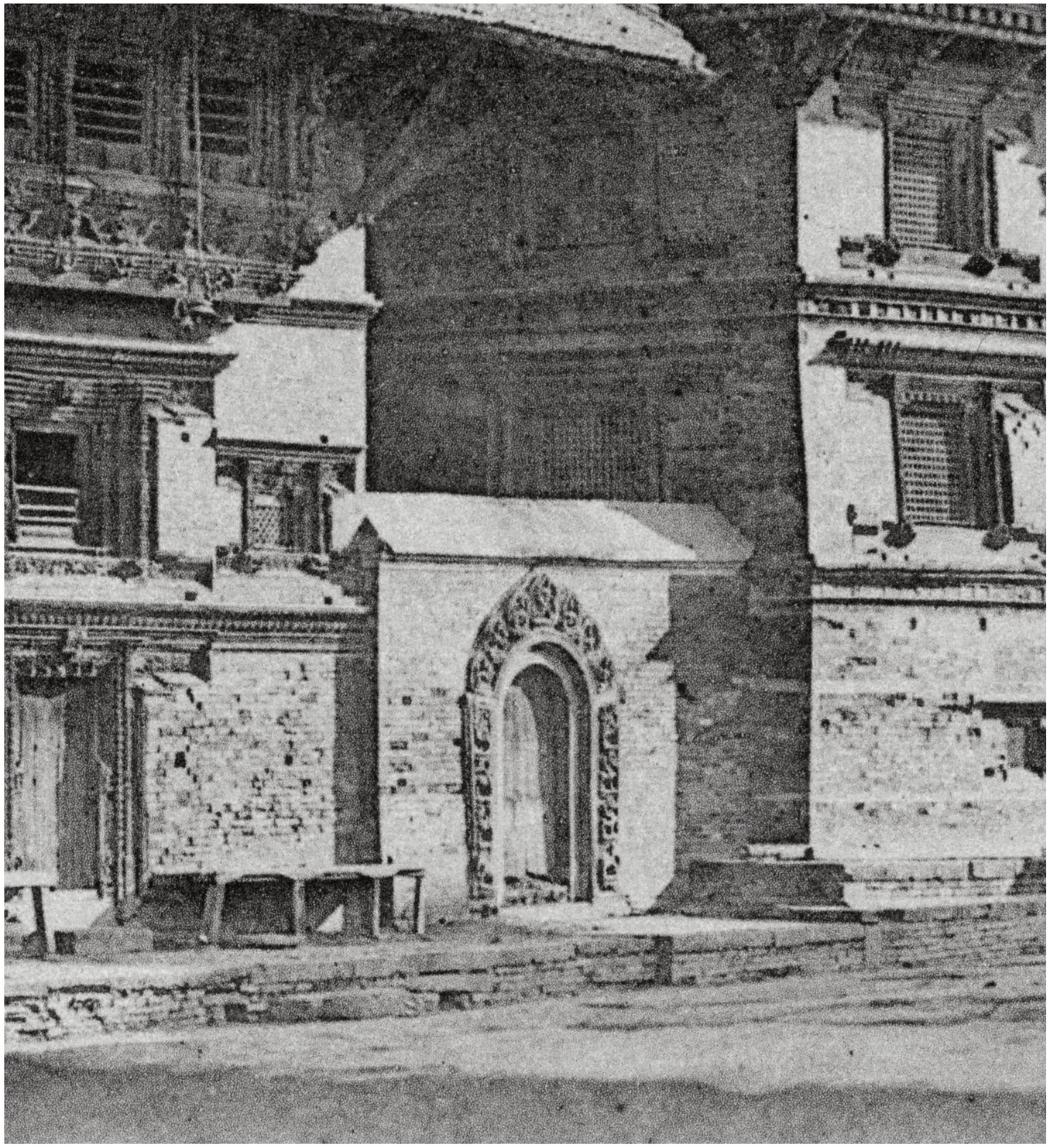
PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

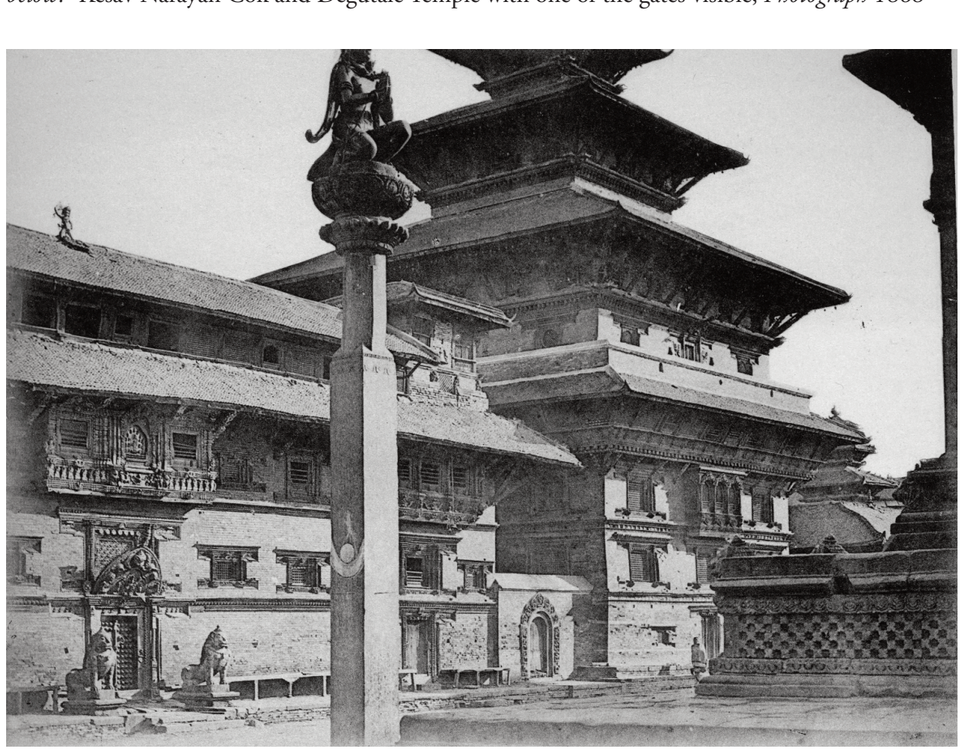
STONE GATE DETAILS

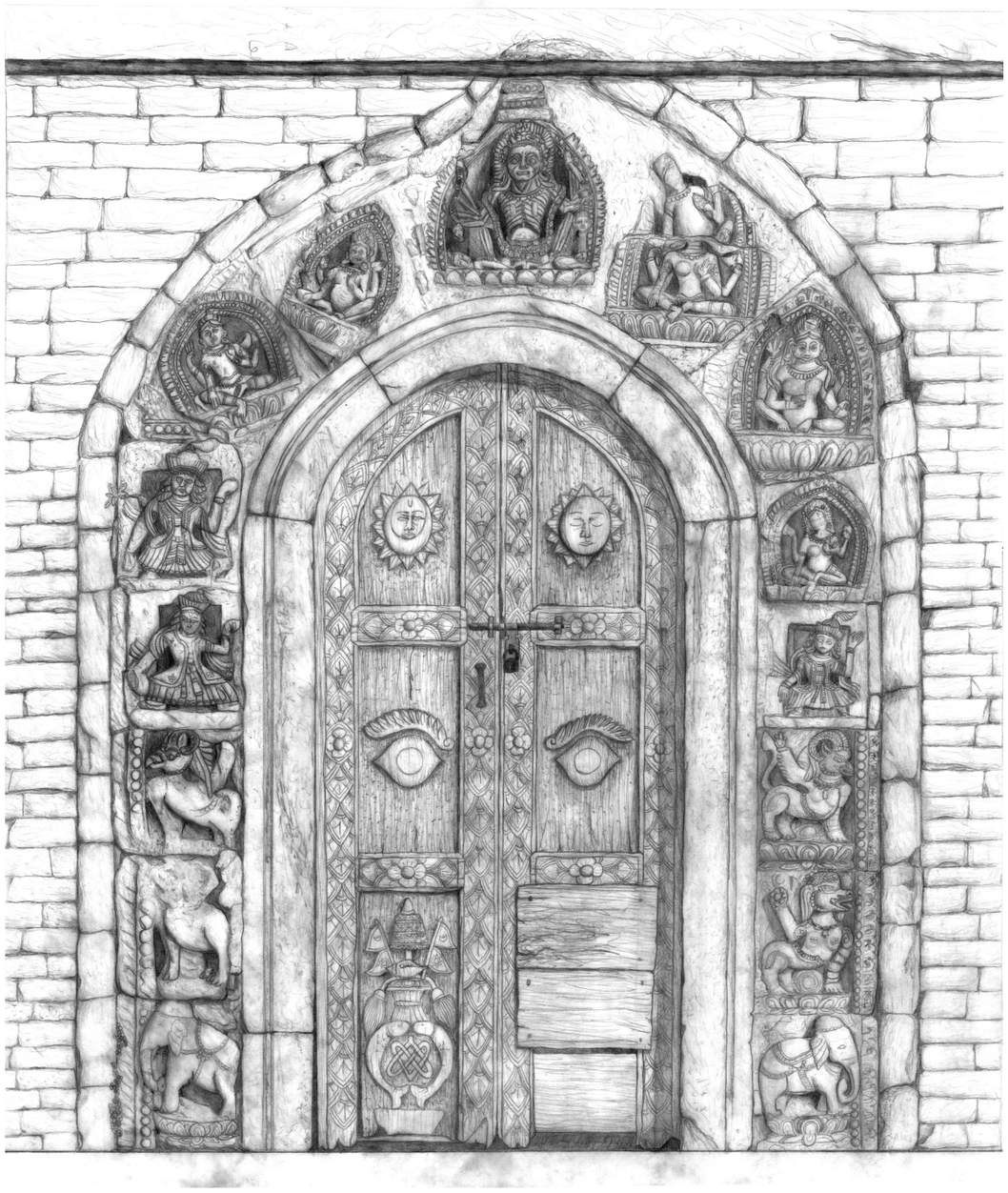
Many of the stone figures were randomly assembled and poorly installed after the 1934 earth quake.
Photographs, June 2009



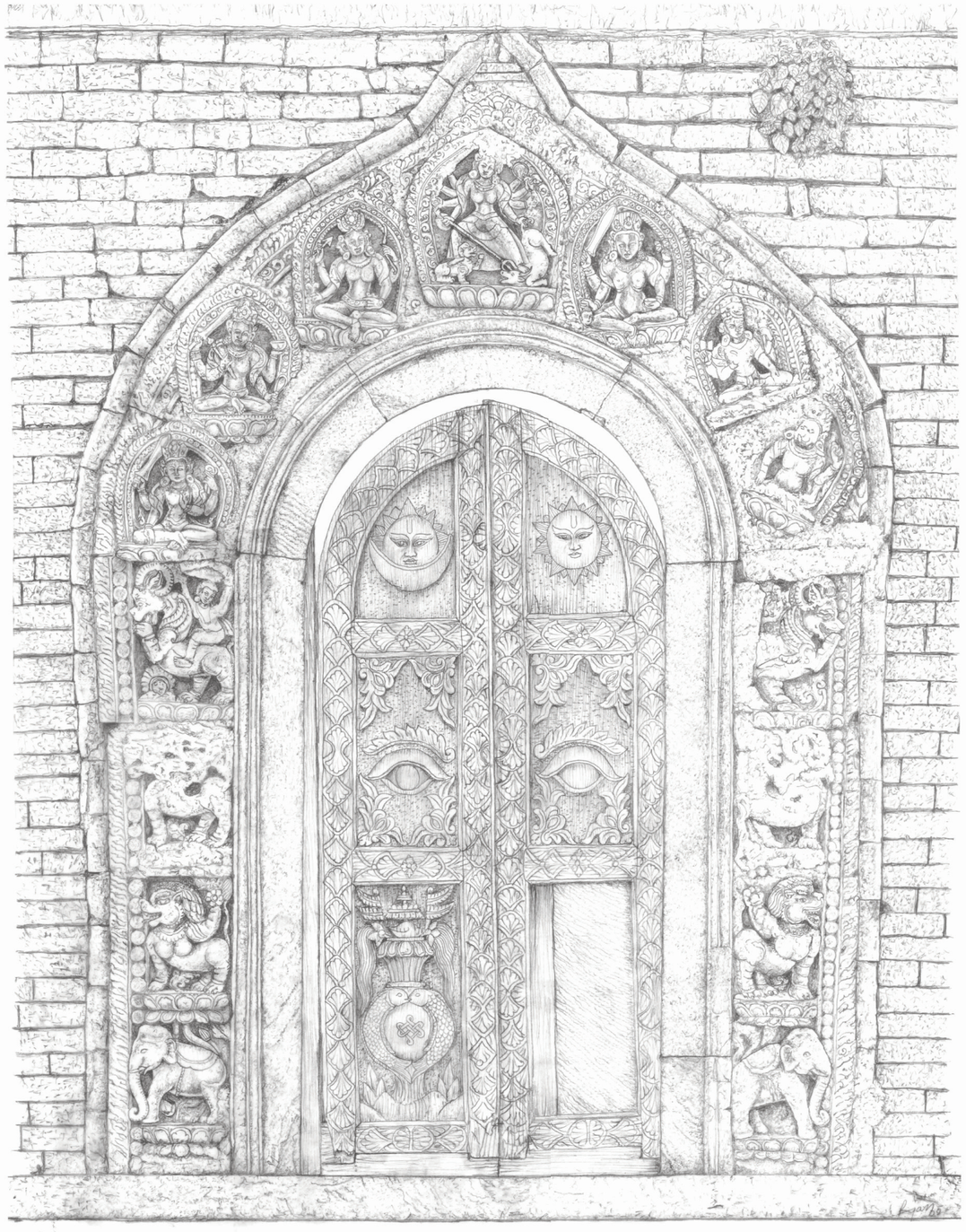


above: Keshav Narayan Cok Palace (today's Patan Museum) and Degutale Temple in the center flanked by the two stone gates, *anonymous ca. 1845*
left: Detail of Le Bon's photograph, *1868*
below: Kesav Narayan Cok and Degutale Temple with one of the gates visible, *Photograph 1868*





South Gate
Photograph, May 2008 | drawing by Rajan Shrestha, July 2008



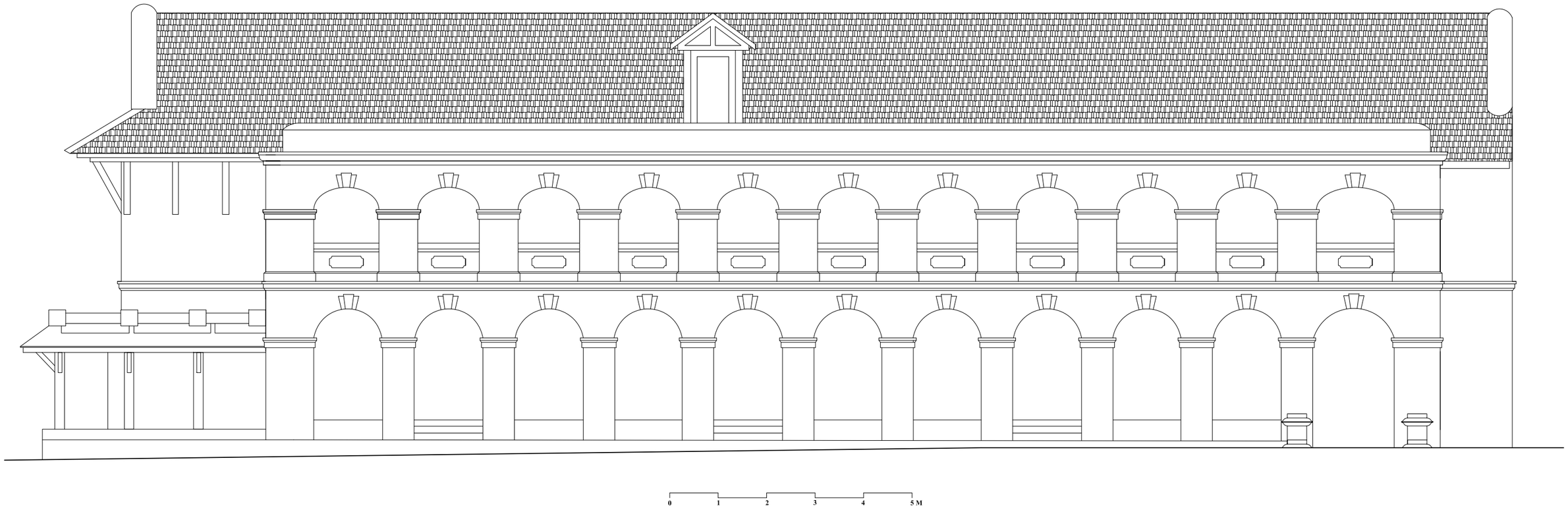
North Gate (leading to Nasal Cok)
Photograph, May 2008 | drawing by Rajan Shrestha, July 2008

Small courtyard to the north of Degutale
The small neo-classical building (approx. 1880s) is accupied by the temple's caretakers. The ground floor space could be adapted for commercial use - it used to be a local handicraft shop.
Photograph (Photomontage), May 2009

COURT BUILDING

ATTRIBUTED TO BHIMSEN THAPA CA 1820, ARCADED FAÇADE CA 1910

SGRAFITTO FRIEZE ABOVE THE MAIN ENTRY TO THE COURT BUILDING
A rare surviving example of sgraffito offers the opportunity to develop conservation and restoration methods for this decorative technique employed on early 19th century buildings.
Photograph, May 2006



COURT HOUSE

SOUTH ELEVATION | EXISTING CONDITIONS

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008

COURT HOUSE

SOUTH ELEVATION | CONDITIONS BEFORE 1934

PATAN ROYAL PALACE COMPLEX

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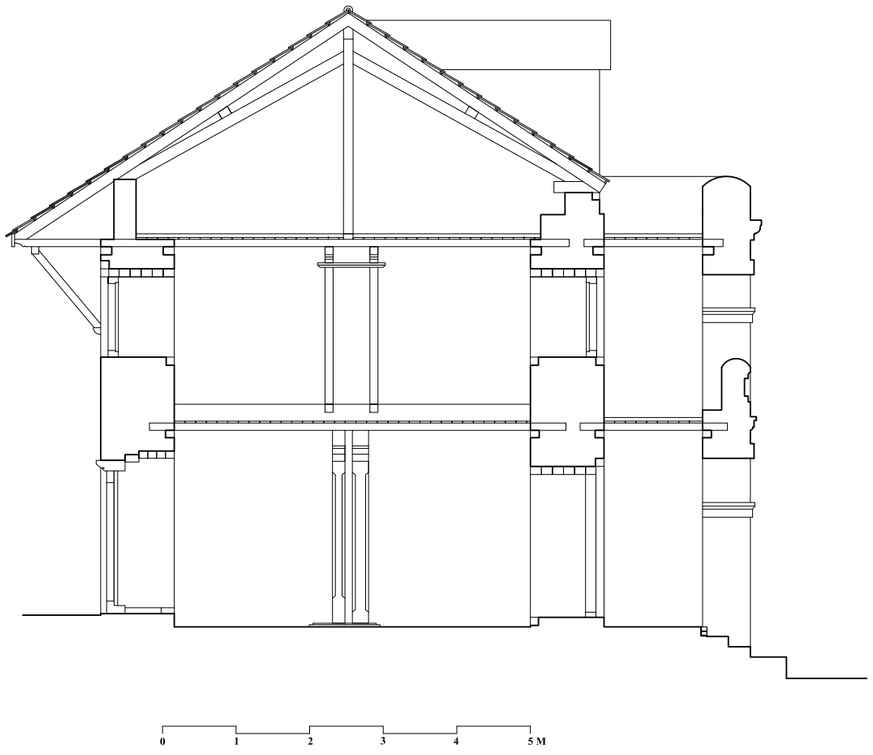


COURT HOUSE

N–S SECTION | EXISTING CONDITIONS

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008

COURT HOUSE

N–S SECTION | CONDITIONS BEFORE 1934

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008

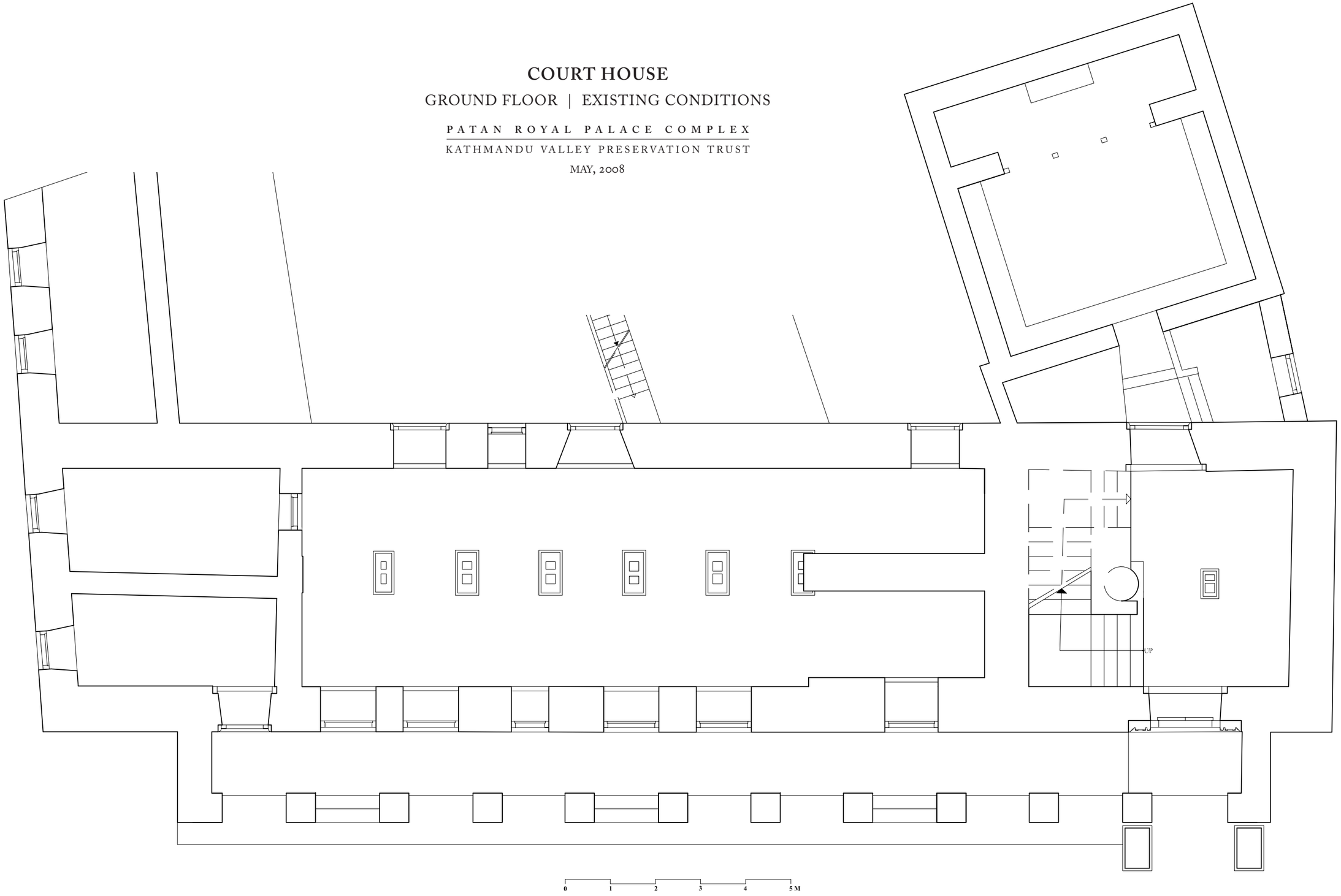
COURT HOUSE

GROUND FLOOR | EXISTING CONDITIONS

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



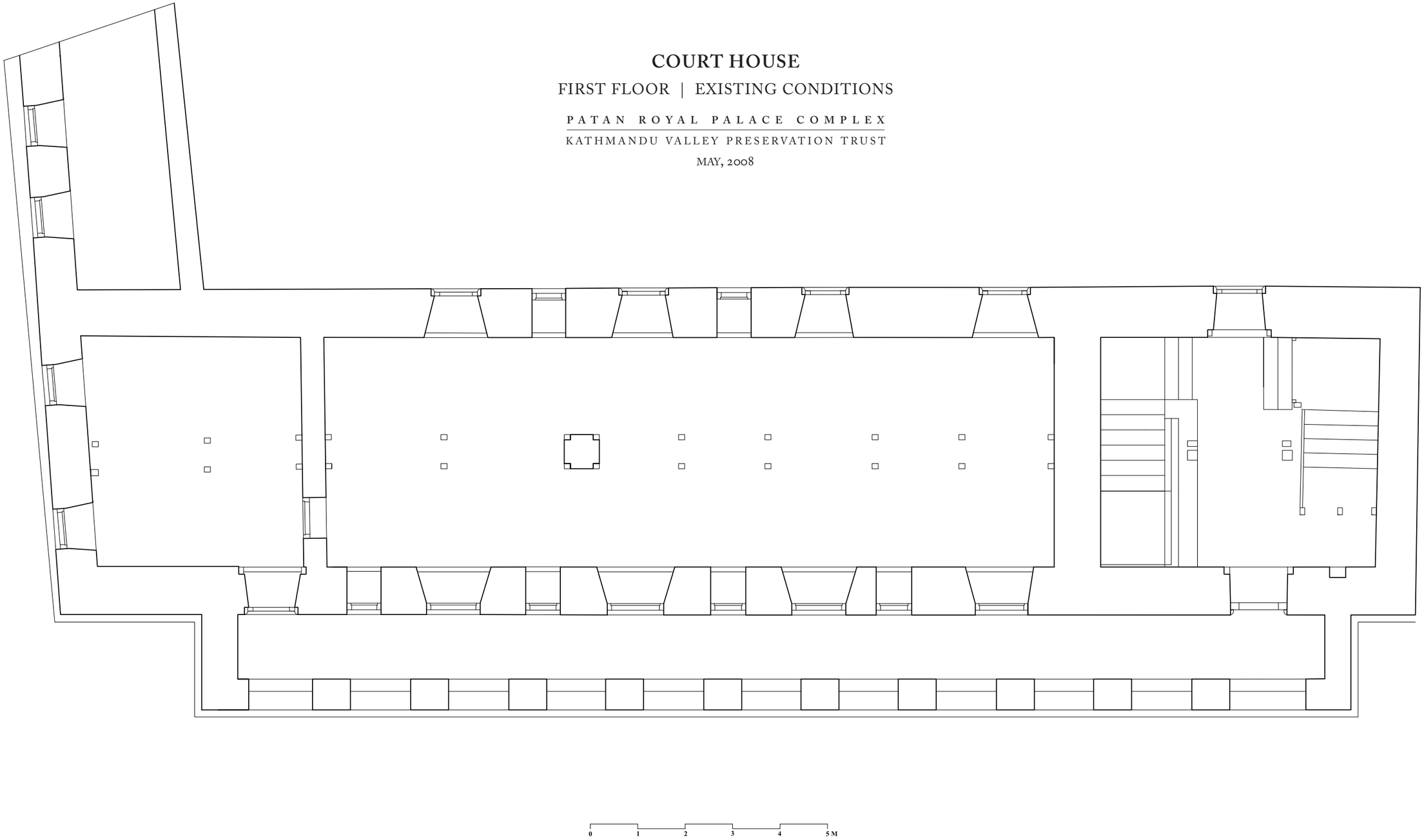
COURT HOUSE

FIRST FLOOR | EXISTING CONDITIONS

PATAN ROYAL PALACE COMPLEX

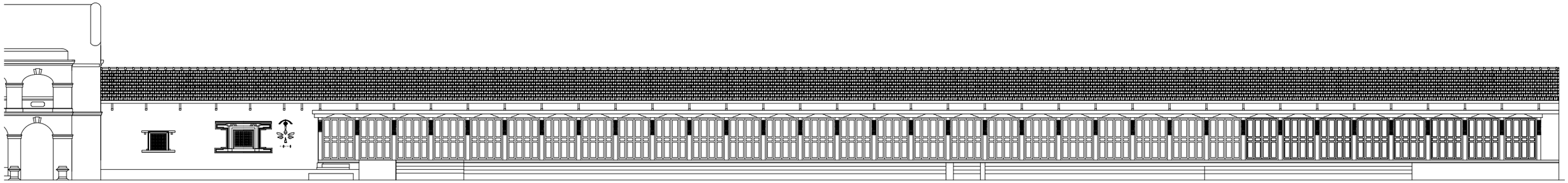
KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



KOT PATI

ATTRIBUTED TO BHIMSEN THAPA CA 1820

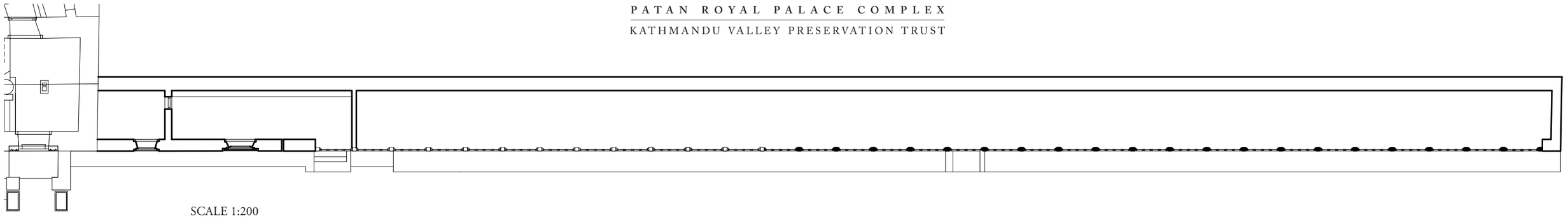


KOT PATI

FLOOR PLAN AND SOUTH ELEVATION | JUNE, 2008

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST



SCALE 1:200

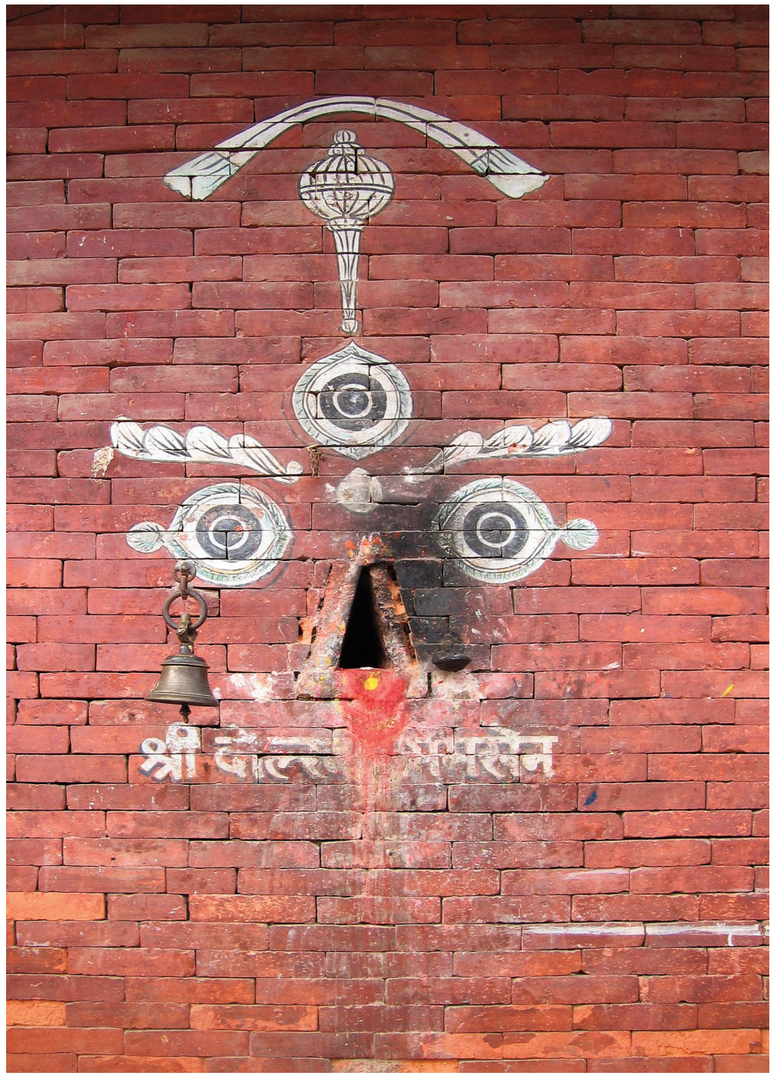
KOT PATI - WESTERN PART WITH COURT BUILDING TO THE LEFT
Photograph, June 2009

KOT PATI - FRONT ELEVATION
Commercial businesses were removed in June 2009
Photograph, June 2009

KOT PATI - DETAIL OF DAMAGED ROOF STRUCTURE
Photograph, June 2009

Kot Pati
Shops offering mostly low-end garments and souvenirs and also housing several tea shops and cheap snack bars.
Photograph, May 2006

Kot Pat
In June 2009 vendors and restaurants were removed from the building. All historic carved wood pillars remain, however, structural timbers are badly damaged and the roof is in need of complete restoration.
Photograph, June 2009



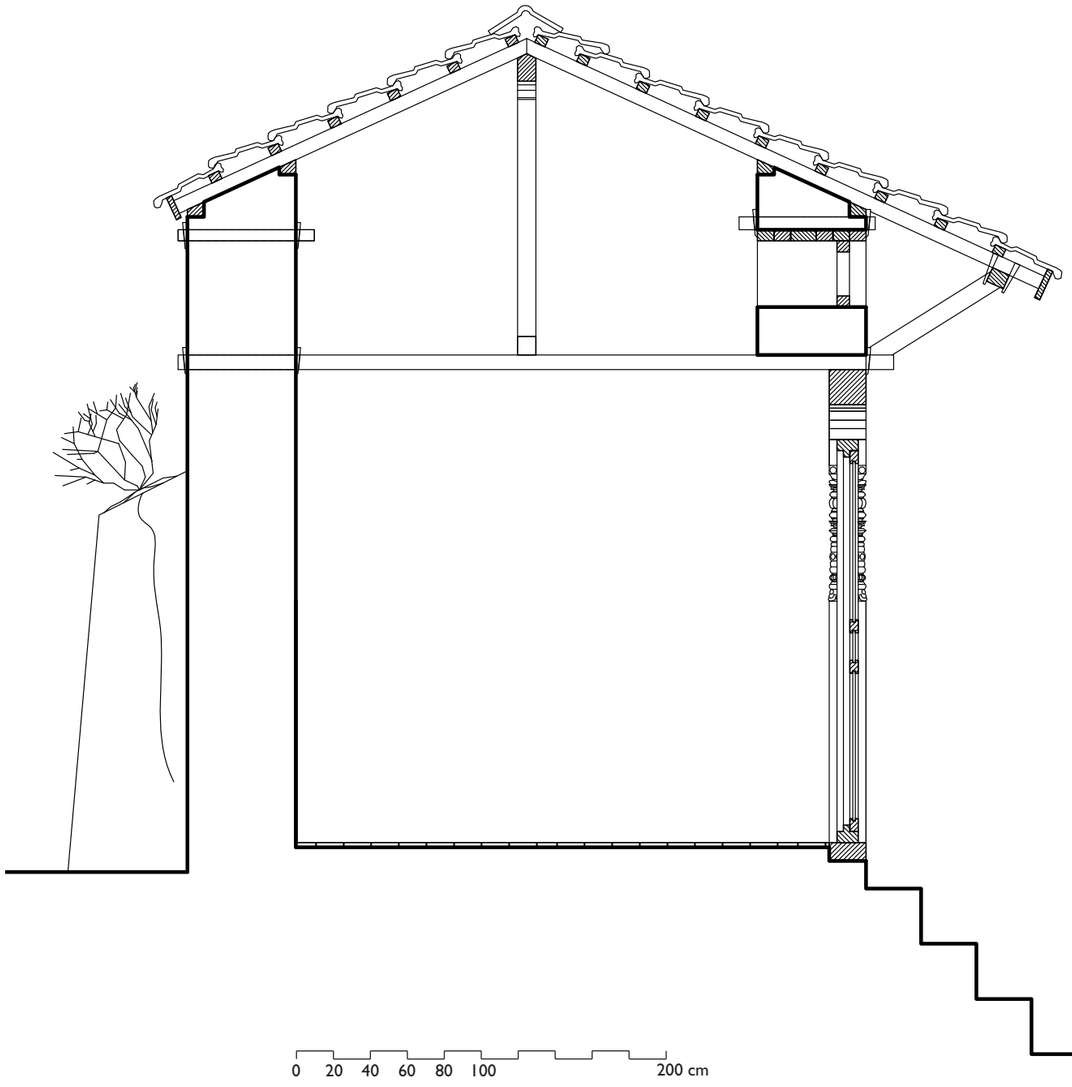
Detail of Kot Pati south facade
Photograph, May 2006

Carved pillar detail
Some historic timber elements were damaged when door frames and shutters were fitted to the originally open structure.
Photograph, June 2009

Pillar base
The extension of the pillar dates from an earlier restoration effort.
Photograph, June 2009

Kot Pati (western part) and the Court Building on the left
view from the main road (looking towards north-west)
Photograph, June 2009

Kot Pati view from the garden
The badly deteriorated roof will be restored from ground-up. Parts of the brick walls will be rebuilt.
Photograph, June 2009



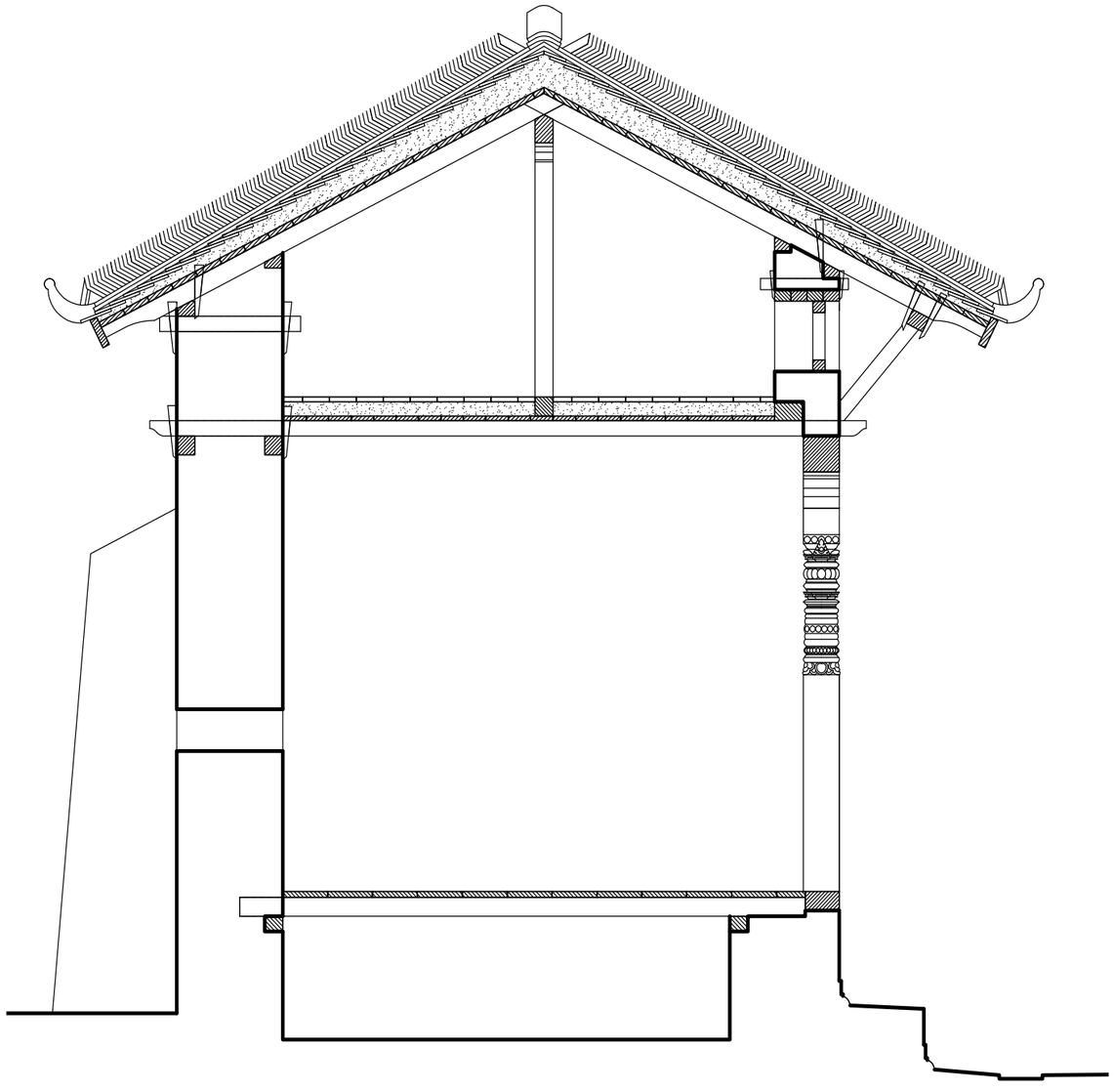
KOT PATI

N–S SECTION | EXISTING CONDITIONS

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2009



KOT PATI

N–S SECTION | PROPOSED RESTORATION

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2009

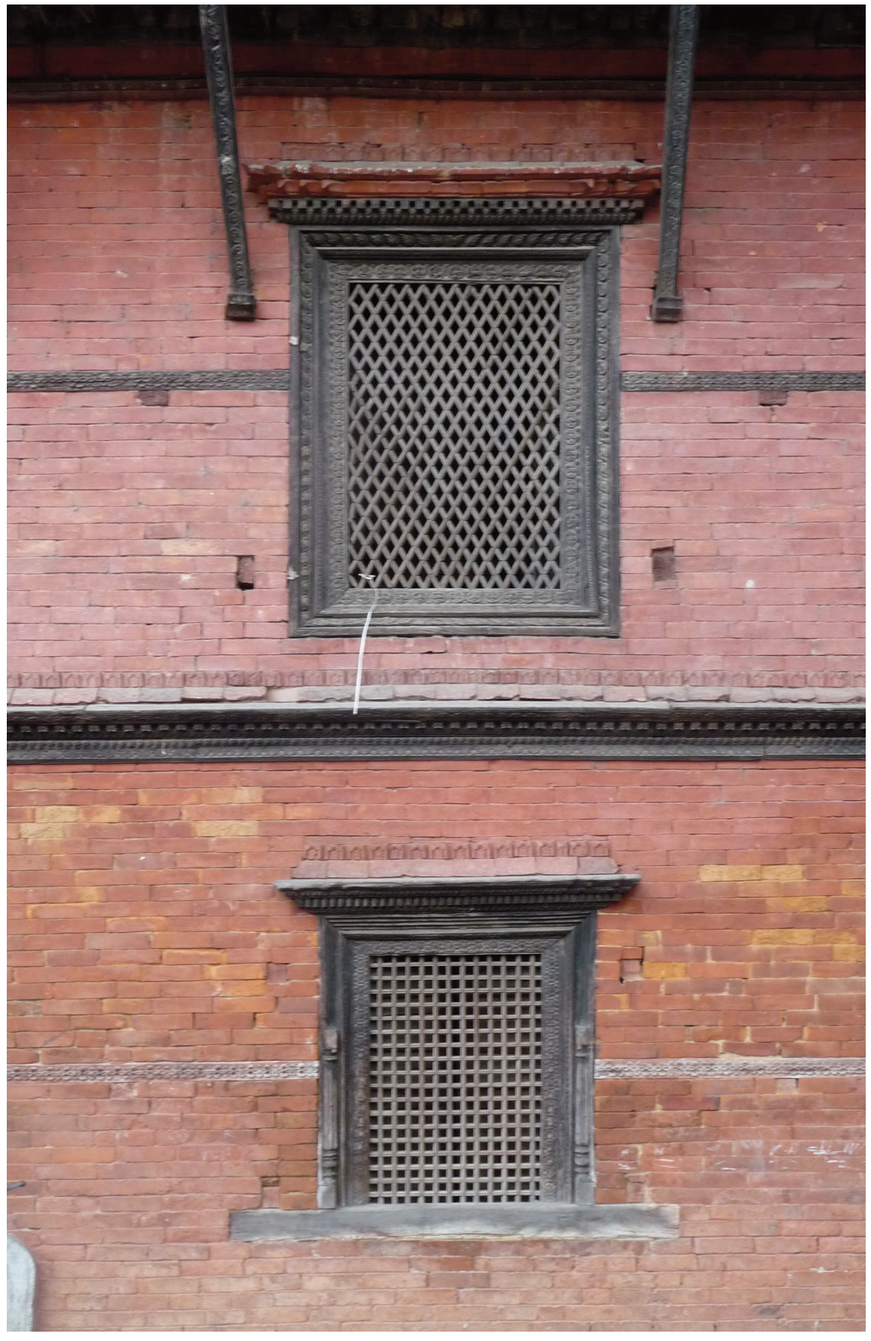
BAHADUR SHAH PALACE – NORTH WING

CONSTRUCTED BY BAHADUR SHAH 1792

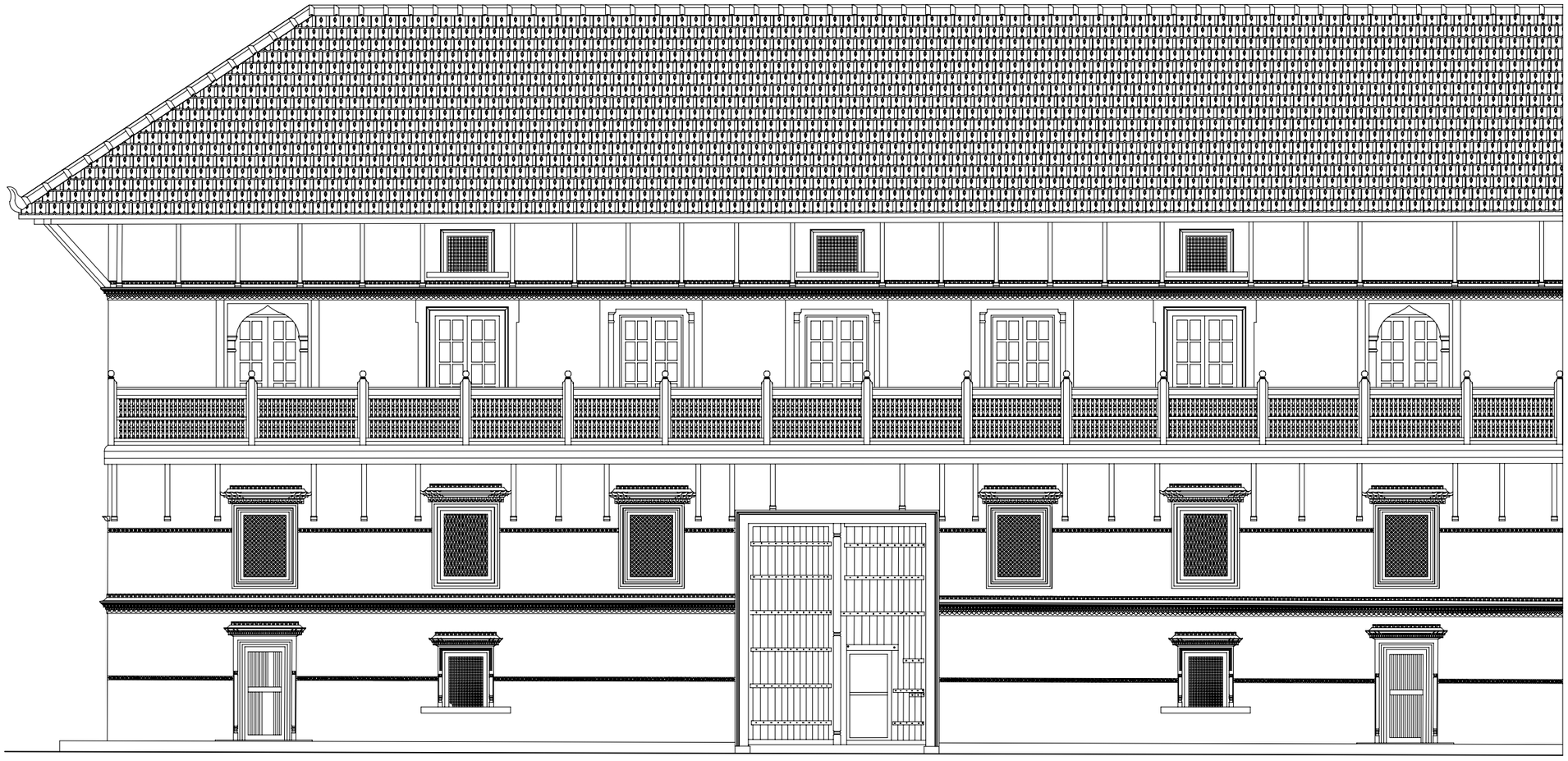
East facade
This part of the building retains most of its original form.
Photograph, May 2006

First floor room
Currently, most of the 1st floor rooms are used for storage.
Photograph, May 2006

Main hall on the top floor
This is the first building in Nepal featuring a room of more than 5 meters in width.
Photograph, May 2009



WINDOWS ON FRONT AND BACK FACADES
These typical late 18th century windows require careful restoration
Photographs, May 2009



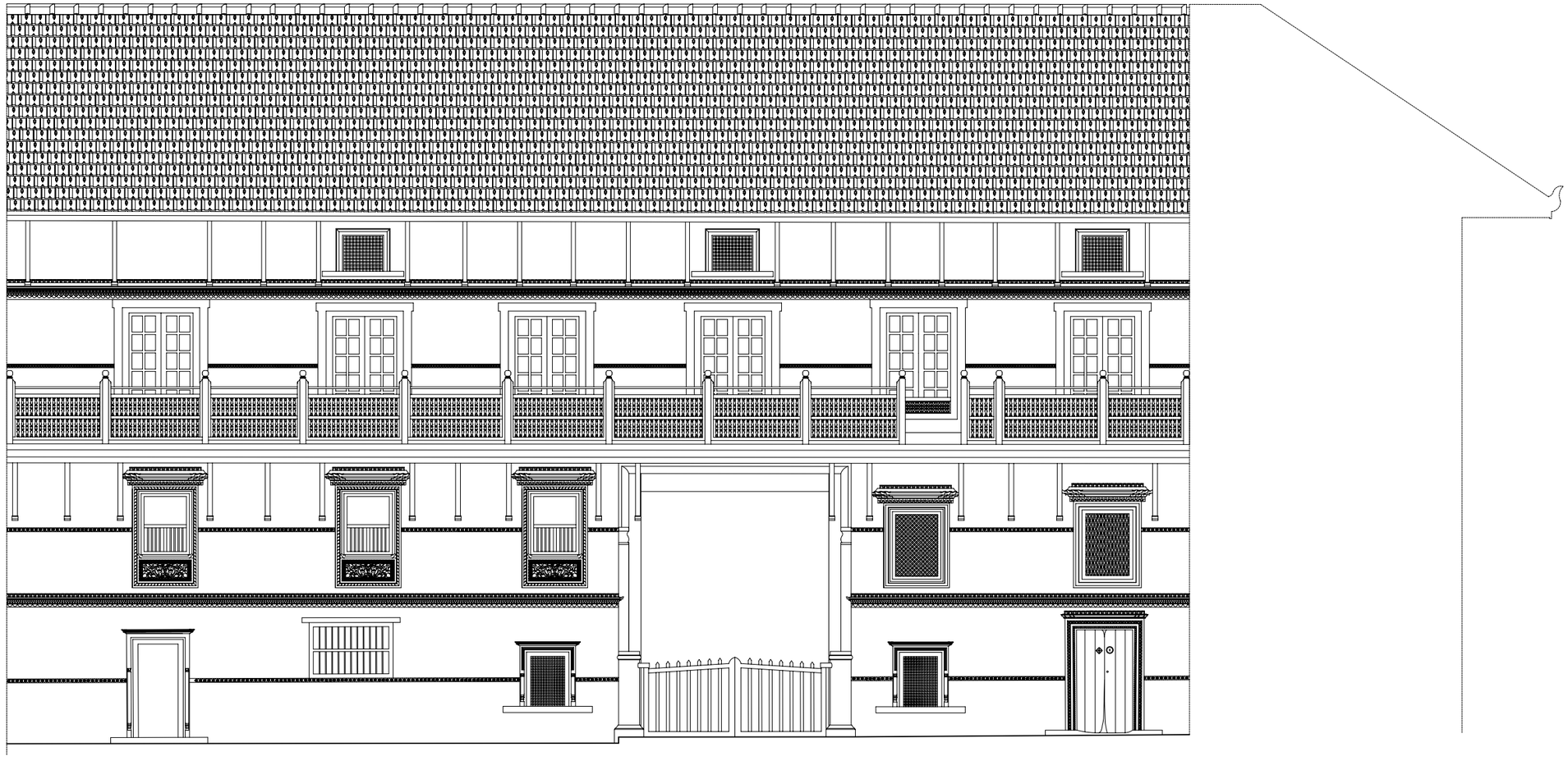
BAHADUR SHAH PALACE

WEST ELEVATION

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



0 1 2 3 4 5 M

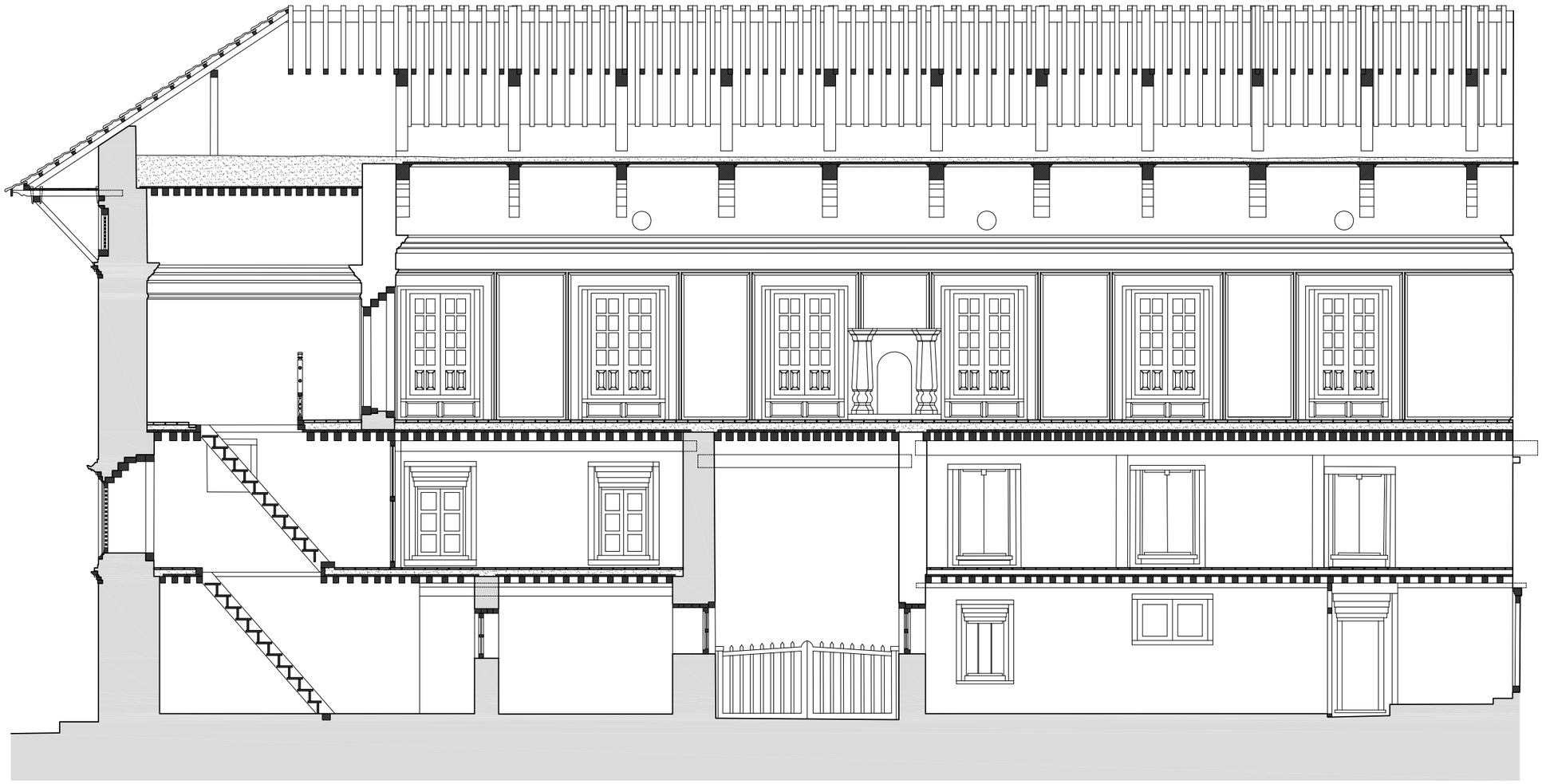
BAHADUR SHAH PALACE

EAST ELEVATION

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



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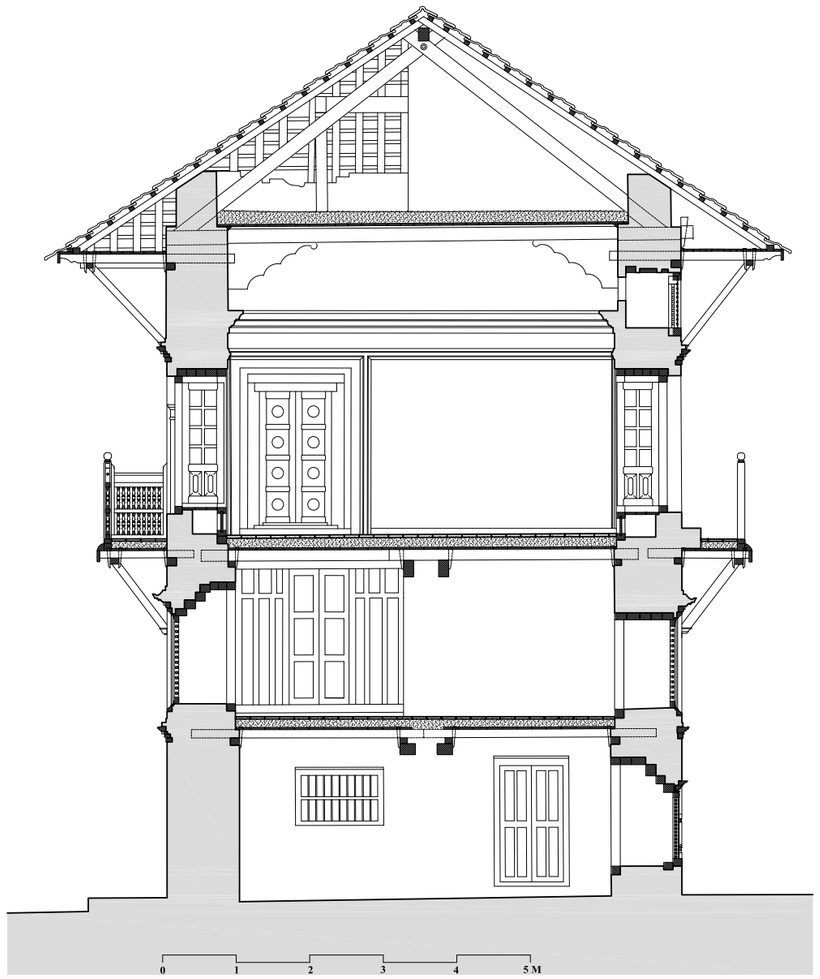
BAHADUR SHAH PALACE

N–S SECTION

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



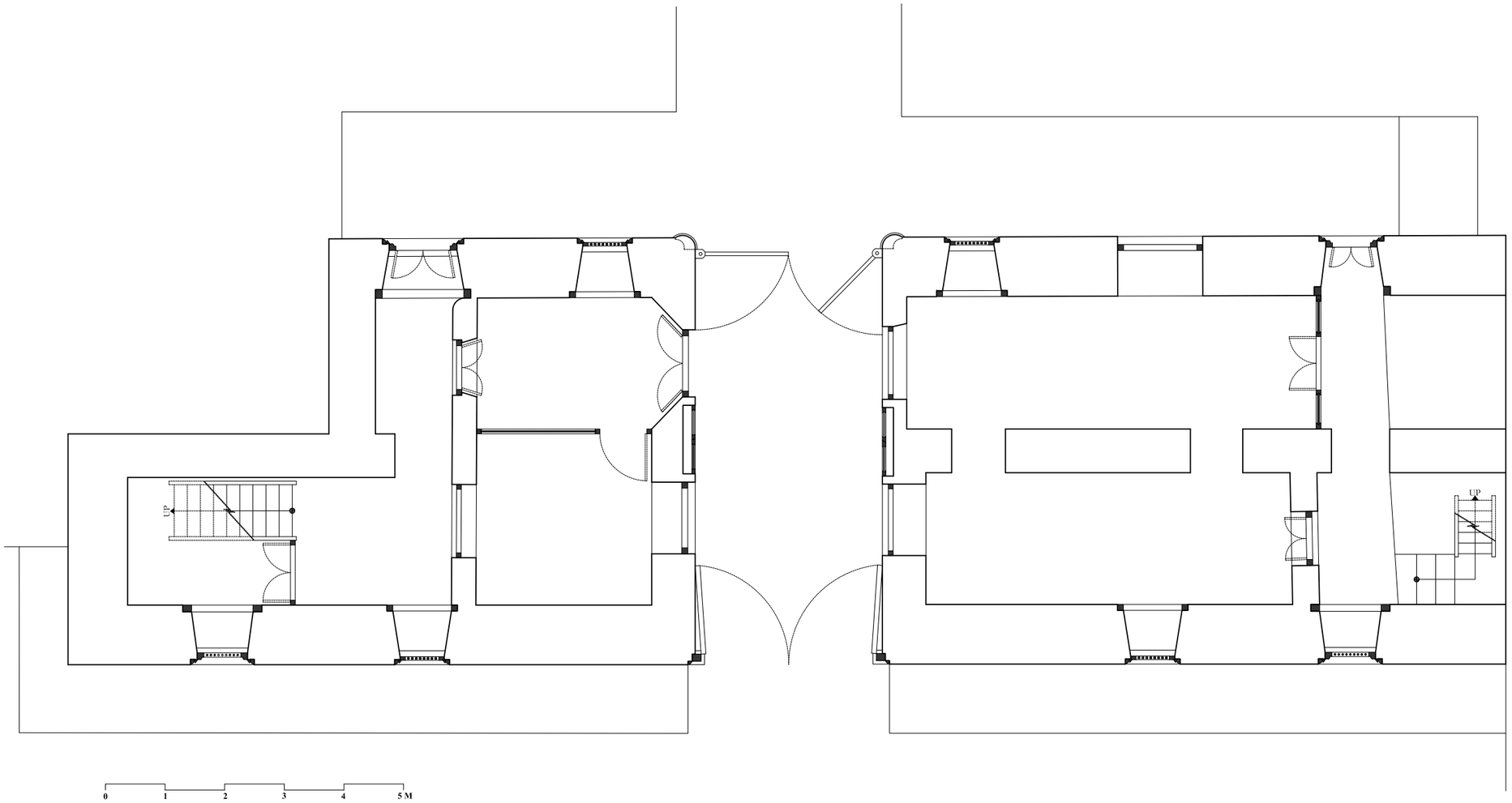
BAHADUR SHAH PALACE

E–W SECTION

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



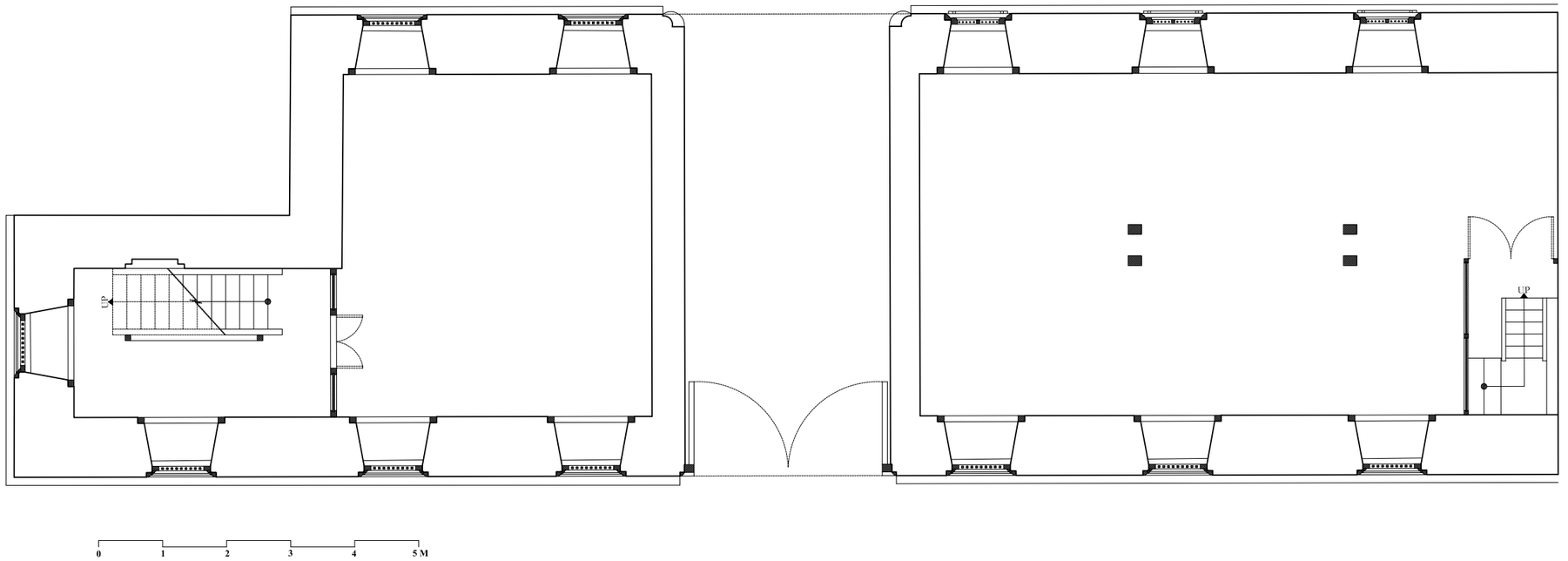
BAHADUR SHAH PALACE

GROUND FLOOR

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



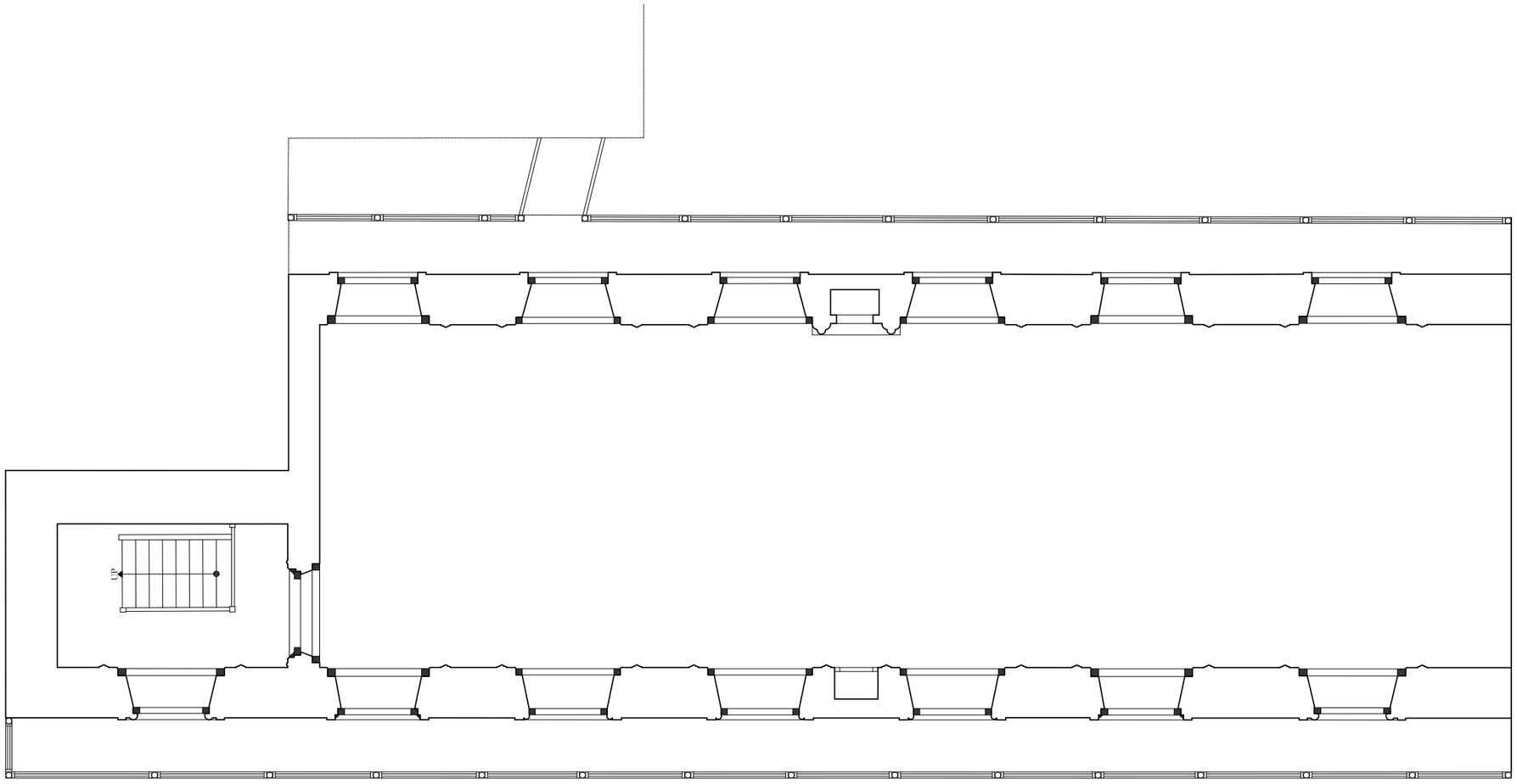
BAHADUR SHAH PALACE

FIRST FLOOR

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008



BAHADUR SHAH PALACE

SECOND FLOOR

PATAN ROYAL PALACE COMPLEX

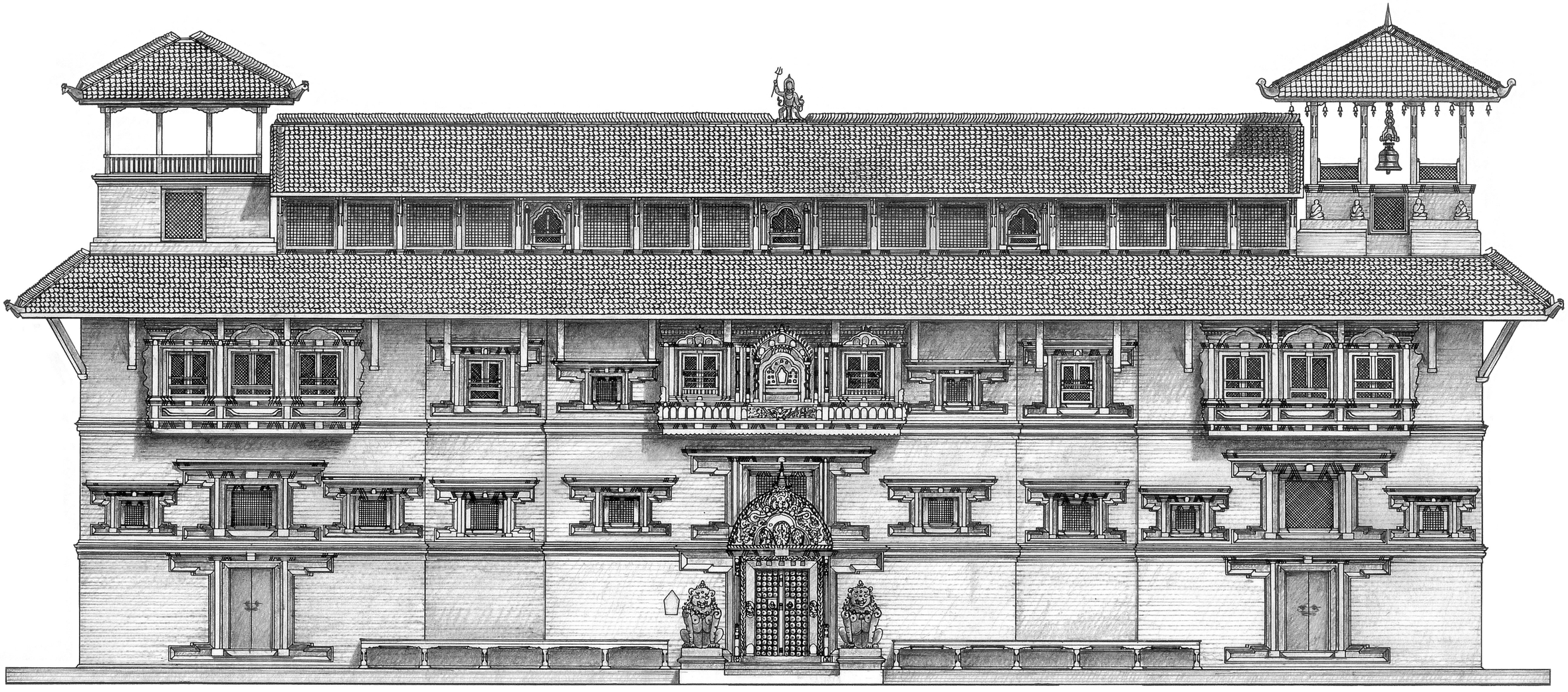
KATHMANDU VALLEY PRESERVATION TRUST

MAY, 2008

ARCHAEOLOGICAL GARDEN

KESHAV NARAYAN COK – PATAN MUSEUM

CONSTRUCTED BY VISHNU MALLA 1734



KESHAV NARAYAN COK - PATAN MUSEUM

WEST ELEVATION | JUNE, 1999

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

KESHAV NARAYAN COK - PATAN MUSEUM

COURTYARD | JUNE, 1999

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

KESHAV NARAYAN COK - PATAN MUSEUM

EAST FACADE | JUNE, 1999

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST

KESHAV NARAYAN COK - PATAN MUSEUM

GALLERY E | JUNE, 1999

PATAN ROYAL PALACE COMPLEX

KATHMANDU VALLEY PRESERVATION TRUST