

Mission San José de Tumacacori
Tumacacori National Monument, NEAR TUBAC
Santa Cruz County, Arizona

HABS No. ARIZ-3

HABS
ARIZ.

12-TUBA.V

1-

PHOTOGRAPHS
WRITTEN HISTORICAL AND DESCRIPTIVE DATA
District of Arizona

Historic American Buildings Survey
Prepared at Headquarters Office for
District of Arizona

MISSION SAN JOSÉ DE TUMACACORI
Tumacacori National Monument, Santa Cruz County, Arizona
TUBAC VICINITY

Owner: U. S. Government, National Park Service.

Date of Erection: Circa 1791 (Mission founded in 1691).

Architect: Not known.

Builders: Franciscan Fathers, probably with Indian labor.

Present Condition: Ruinous. Partly restored. Protected by restored roof.

Number of Stories: One, tower (part), choir loft (destroyed).

Materials of Construction: Walls adobe brick, plastered inside and outside. Hard burned brick used in arches, dome, mouldings, and part of exterior face of mortuary chapel. Earth floor.

Other Existing Records: National Park Service, Southwestern Monuments, Special Report No. 15 (Archeological Survey, 1934). Drawing, 1864, in "Adventures in Apache County", J. Ross Browne.

Additional Data: From mimeographed bulletin of National Park Service, August 1938.

"This monument embraces 10 acres of land in Santa Cruz County, Arizona, about 49 miles south of Tucson and 19 miles north of Nogales. It was created September 15, 1908. Upon the tract is located an ancient Spanish ruin, the Mission San Jose de Tumacacori, founded by the Jesuit priest, missionary, and explorer, Father Eusebio Francisco Kino, about 1691. The Sobaipuri Indians, who lived in the vicinity at that time, appear to have merged later with the Papago tribe.

"After the year 1768 priests belonging to the order of Franciscan Fathers took charge of the mission....In the early part of the nineteenth century the mission was attacked by Apache Indians, who drove the priests away and disbanded the peaceable

Papago Indians residing in the vicinity of the mission. When found by Americans, about the year 1850, the mission was in a condition of ruin.

"The ruins as they stand consist of the walls and tower of an old church building, the walls of a mortuary chamber at the north end of the church building, and the remains of a court or churchyard, and the remnants of three of the accessory buildings.

"The walls of the church building are 6 feet thick, built of adobe and plastered both inside and outside with lime mortar. The inside walls of the main church building received two coats of this plaster, a first or inner coat being of a rather coarse character and the finishing coat being of a very fine, hard, and lasting type. The dome over the sanctuary, the sacristy roof, and the belfry tower, are constructed of burned brick, this being one of the characteristics of the architecture of the mission, in which respect the construction differs from many other early Spanish missions. Inside, the dimensions of the church are 18 feet wide by 75 feet in length. The part used for the altar is situated at the north end. It is 18 feet square, surmounted with a circular dome, finished on the inside with white plaster decorated or frescoed in colors. The plaster and decorations are in a good state of preservation, but the original altar is entirely gone. The altar now existing was constructed by the local Mexicans, who used the church at times. To the east of the sanctuary there is the sacristy, 16 by 20 feet, 20 feet high, covered with a barrel-vaulted roof built of burned brick. The sanctuary and sacristy are the only parts of the mission having the original roofs. In the south end of the church there was a choir loft carried on an arch. This loft and arch are now broken down. The outside wall of the north end of the church building is faced with white plaster studded at regular intervals with decorative clusters made of fragments of broken slag and broken brick.

"About 25 feet north of the church building, and in the center of the churchyard, there is a circular mortuary chamber. The wall is $3\frac{1}{2}$ feet thick by 16 feet high, built of adobe, surmounted on the top with a row of ornamental cornice brick (made of burned brick). The chamber has one entrance. The walls were originally decorated on the outside with white plaster studded with fragments of red brick.

"The entrance to the church is at the south and has an arched doorway. To the east of the entrance there is a room, about 10 feet square, with a winding stairway inside leading up to the belfry. Access to the belfry is gained by means of this old stairway. This room is surmounted by the belfry tower, which is constructed of burned brick. The walls supporting the tower are adobe. Through action of the elements, the church, appurtenant buildings, and inclosing walls were in a very bad state of ruin when the monument

was created. Most of the roofs had long since fallen in and portions of the main building had become undermined. Since that time as rapidly as limited funds have permitted the mission has been placed under roof and in good state of preservation by Superintendent Pinkley, of Southwestern National Monuments.

"The restoration of the double doors between the sanctuary and sacristy was an especially interesting piece of work. The original doors were torn out and carried away many years ago, and it was impossible to find anyone who could describe them from personal observation. Picks and bars had been used to tear out the old frame, with resultant destruction to the surrounding plastering, and all that was left to start with was a gaping hole in the wall. The wall of this place, however, was some 6 feet thick, with an arched opening carried from the square frame of the doorway on through to the sacristy side, and the original south door of the double doors, in swinging back into this arched opening, had made a small mark in the plaster. This mark was about 2 inches long and a quarter of an inch deep, and was quite clearly cut by the upper and outer corner of the original door. From this the size of the doors and width and thickness of the frames were figured out. The details of the doors, such as number and placing of panels, etc., had to be guessed at, but in this the doors of the San Xavier Mission, which had been built a little earlier than those of the Tumacacori, and probably by the same workmen, were used as a guide. The doors were made of Spanish cedar, with the aid of a Mexican carpenter. No nails were used, the stiles and rails being mortised together and held with wedges driven home in the tenons. Six hinges were needed, and these were made in a nearby blacksmith's shop from old quarter-inch wagon tires. When the doors were completed and hung in place it was found that the outer and upper corner of the south door, when swung open, fitted into the little broken place in the plaster of the arch which had been made by the original door. After the doors were in place the broken places in the wall around the door frame were filled in with mortar and the doors and frame stained with a mixture of crude oil and gasoline to take off the new look.

"In the work of restoration of the Mission Superintendent Pinkley has had financial assistance from the Arizona State Legislature, the Chambers of Commerce of Tucson and Nogales, and other organizations. In its present condition the mission is equally as interesting as any of the famed California missions, and is historically important to the student of the early history of the State."

See also: Bolton, "Rim of Christendom".

Approved: John P. Orville

Date: Mar. 1939.

Mission San Jose de Tumacacori
Tumacacori National Monument
Tubac vicinity, Arizona

HABS No. ARIZ-3

(data page 4)

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12-TUBA.V
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no neg.



TUMACACORI IN 1864
From Adventures in the Apache Country, by J. Ross Browne. Courtesy of Harper & Brothers

TUMACACORI 1864

Copy from drawing in "Adventures in Apache Country"
by J. Ross Browne

Church of San Jose de Tumacacori
Tubac vicinity
Santa Cruz County
Arizona

Historic American Buildings Survey

AZ-3

Addendum

HABS,
ARIZ,
12 TUBA.V,
1-

REDUCED DRAWINGS

ADDENDUM TO:
SAN JOSE DE TUMACACORI (MISSION, RUINS)
Tumacacori National Historical Park
Tubac vicinity
Santa Cruz County
Arizona

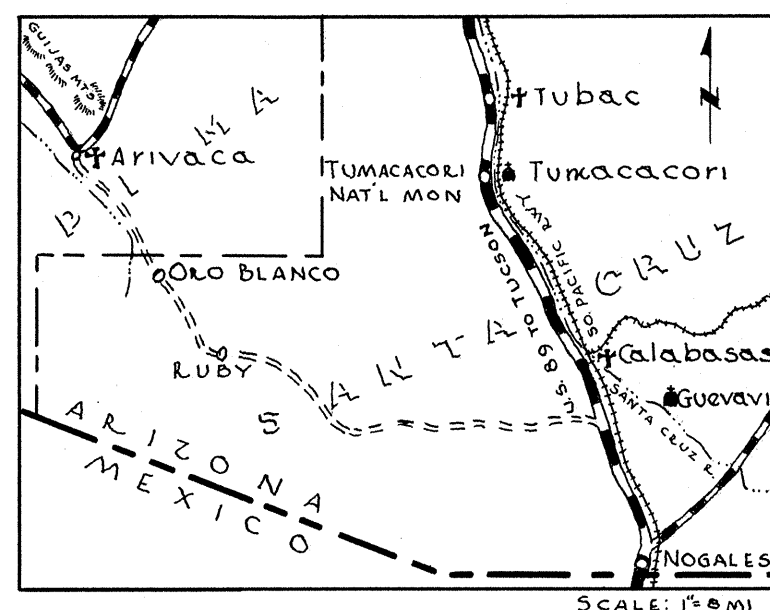
HABS AZ-3
HABS ARIZ,12-TUBA.V,1-

FIELD RECORDS

HISTORIC AMERICAN BUILDINGS SURVEY
National Park Service
U.S. Department of the Interior
1849 C Street NW
Washington, DC 20240-0001

SAN JOSE DE TVMACACORI

TUMACACORI · NATIONAL · MONUMENT
ON · SANTA · CRUZ · RIVER, ARIZONA



PLOT-PLAN

ERECTED: 1791c.
ARCHITECT: UNKNOWN
BUILDER: UNKNOWN

HISTORIC AMERICAN BUILDINGS SURVEY
U. S. DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
BRANCH OF PLANS AND DESIGN

MEASURED: OCTOBER - NOVEMBER, 1937

DRAWN: NOVEMBER, 1937

MEASUREMENTS CHECKED: F.D.N.



DRAWINGS APPROVED:

DRAWINGS APPROVED:

ACCEPTED FOR LIBRARY OF CONGRESS:

Fredrick D. Nichols ACTING DISTRICT OFFICER.

Thos. Hunt

CHIEF ARCHITECT.

DISTRICT OF ARIZONA
F.D. NICHOLS, DIST. OFF.
TUMACACORI · N.M. · ARIZ.
FIELD · PARTY: F. EASTMAN
F. NICHOLS · C. MAGUIRE

SURVEY NO.

ARIZ-3

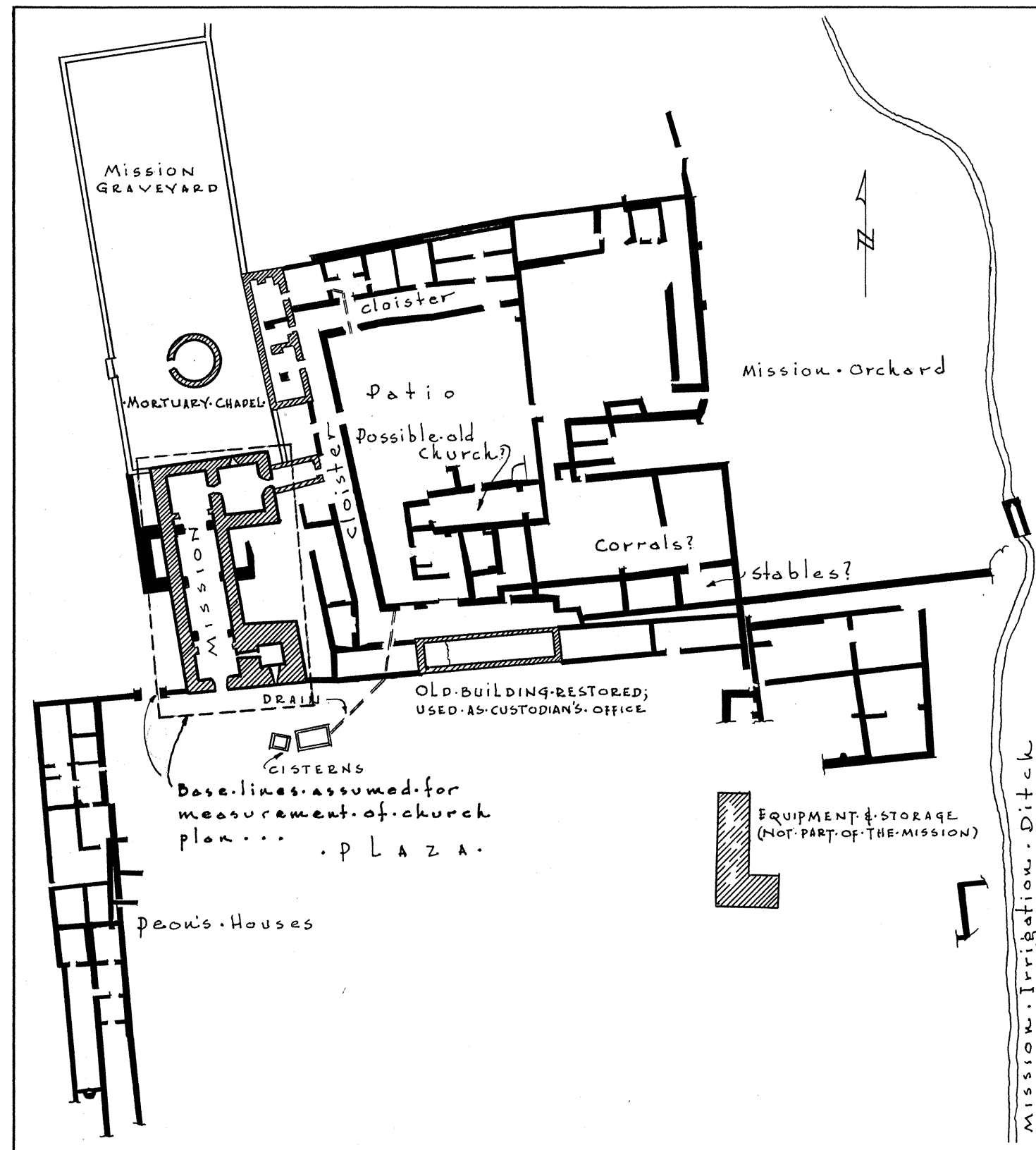
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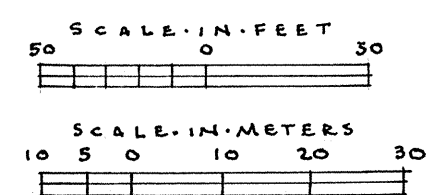
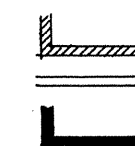
1-



PLAN · SHOWING · EXISTING · BUILDINGS · WITH
REFERENCE · TO · ADJACENT · OLD · FOUNDATIONS · AS · UNCOVERED · IN
A · SURVEY · MADE · BY · N.P.S. · IN · 1934 ·

NOTE: Drawn from data contained in
Southwestern Monuments Special Report No. 15,
for further information see this Report.

Existing Buildings
Existing Walls
Excavated Foundations



CHAS. B. MAQUIRE, DEL.

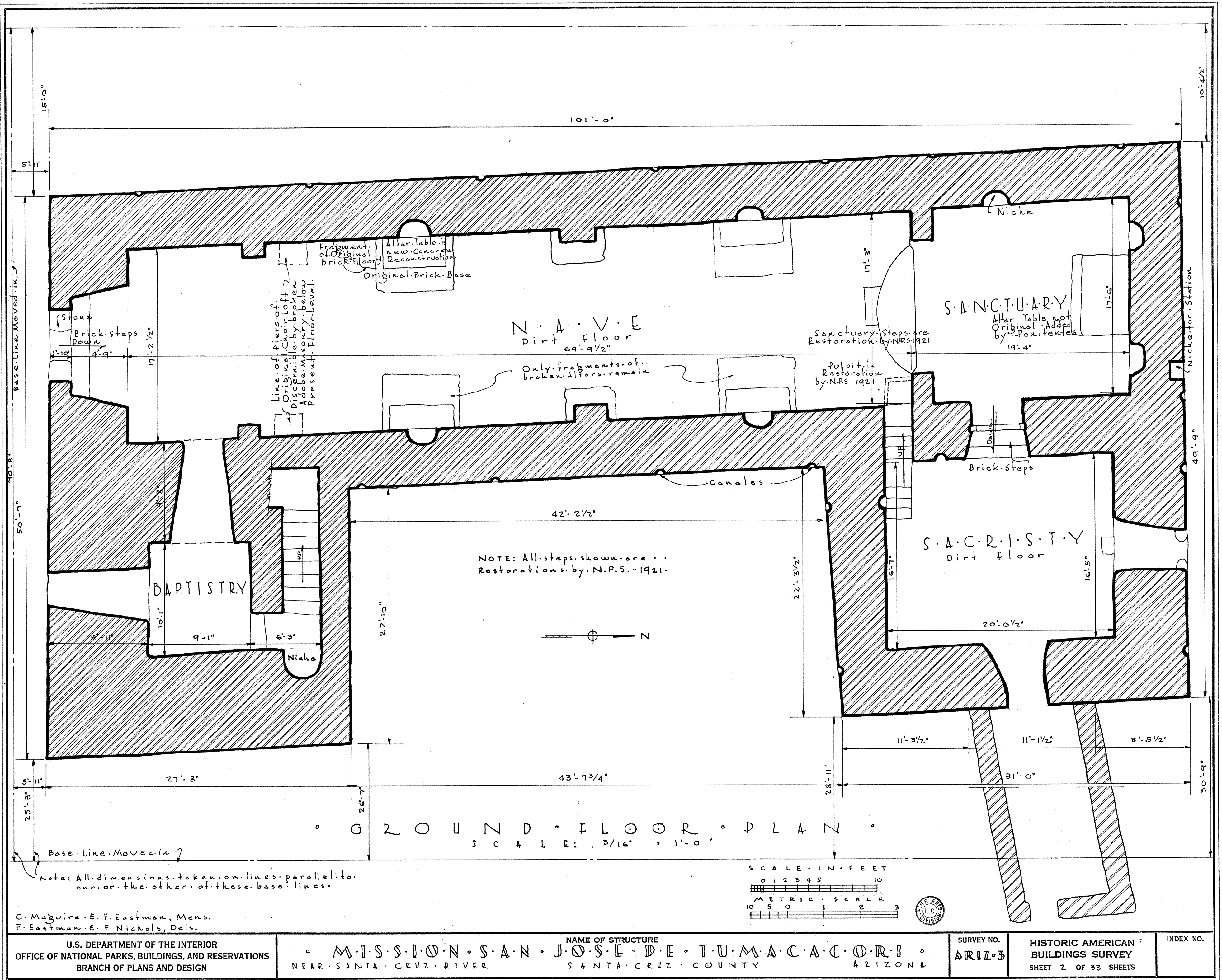
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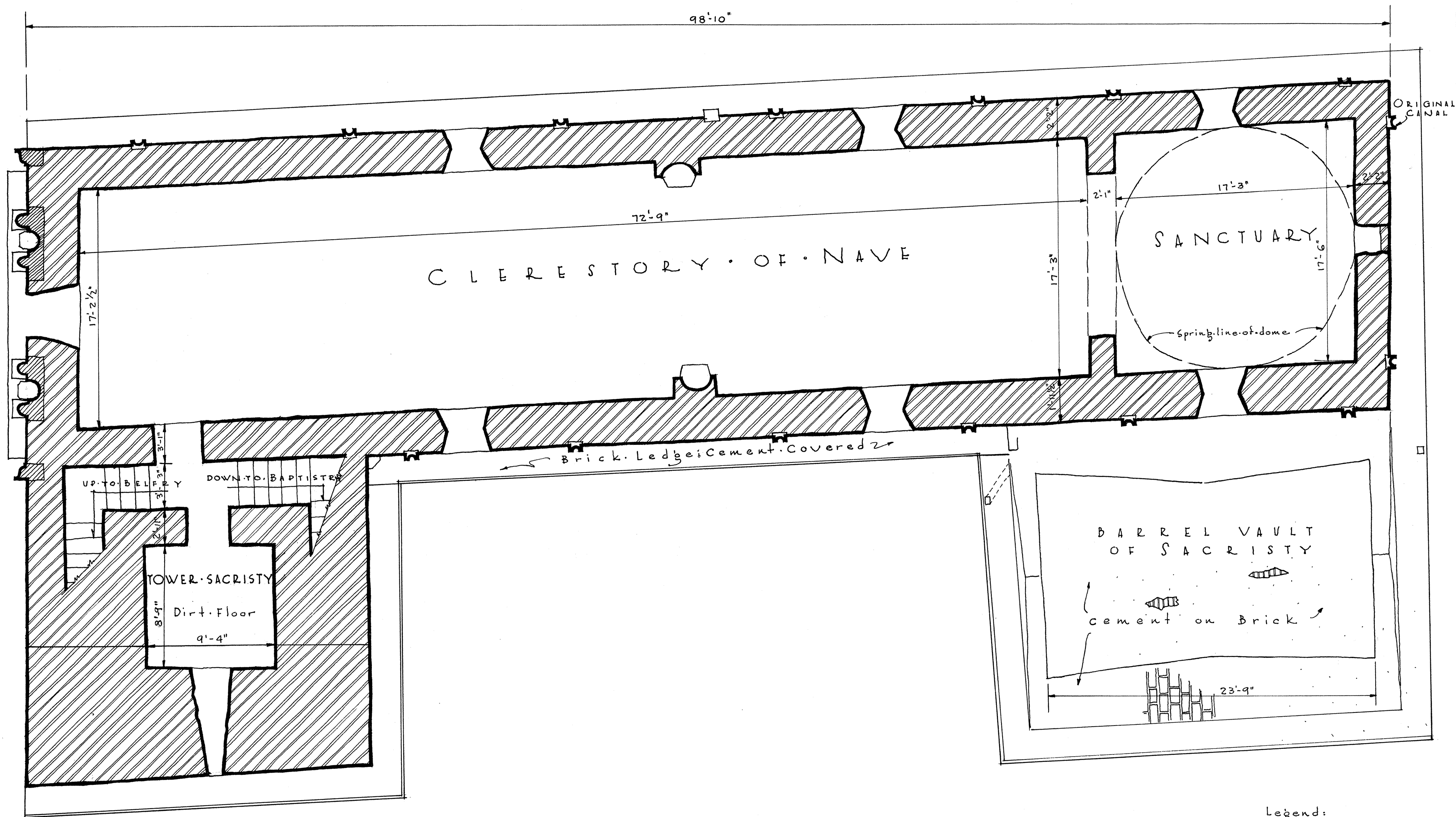
NAME OF STRUCTURE
MISSION · SAN · JOSE · DE · TUMACACORI ·
NEAR · SANTA · CRUZ · RIVER · SANTA · CRUZ · COUNTY · ARIZONA ·

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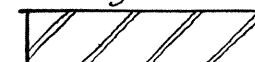




CLERESTORY PLAN

SCALE: 3/16" = 1'-0"

Legend:



Adobe Brick



Burned Brick

SCALE IN FEET

0 1 2 3 4 5 6 7 8 9 10 11 12

METRIC SCALE

10 5 0 1 2 3

G. M. McGuire, & F. Eastman, Mens.
F. Eastman & F. Nichols, Dels.

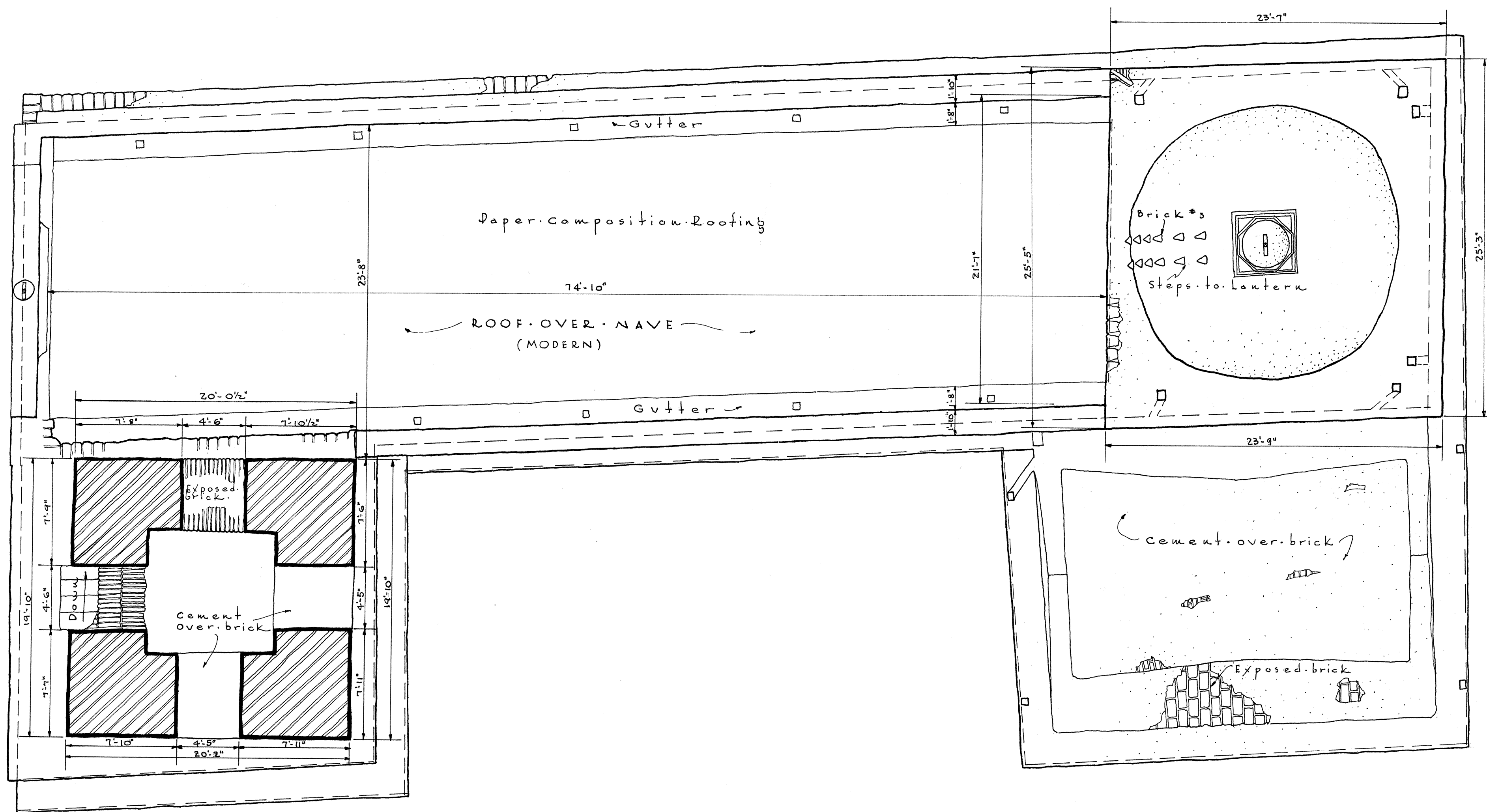
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MISSION SAN JOSE DE TUMACACORI
NEAR SANTA CRUZ RIVER SANTA CRUZ COUNTY ARIZONA

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• P.L.A.N - O F - R.O.O.F •
Scale: 3/16" = 1'-0"

C.B. Maguire, E. F.A. Eastman, Mens.
C.B. Maguire, E. F.D. Nichols, Dels.

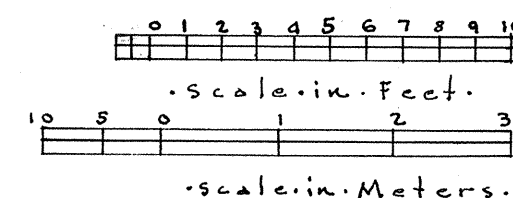
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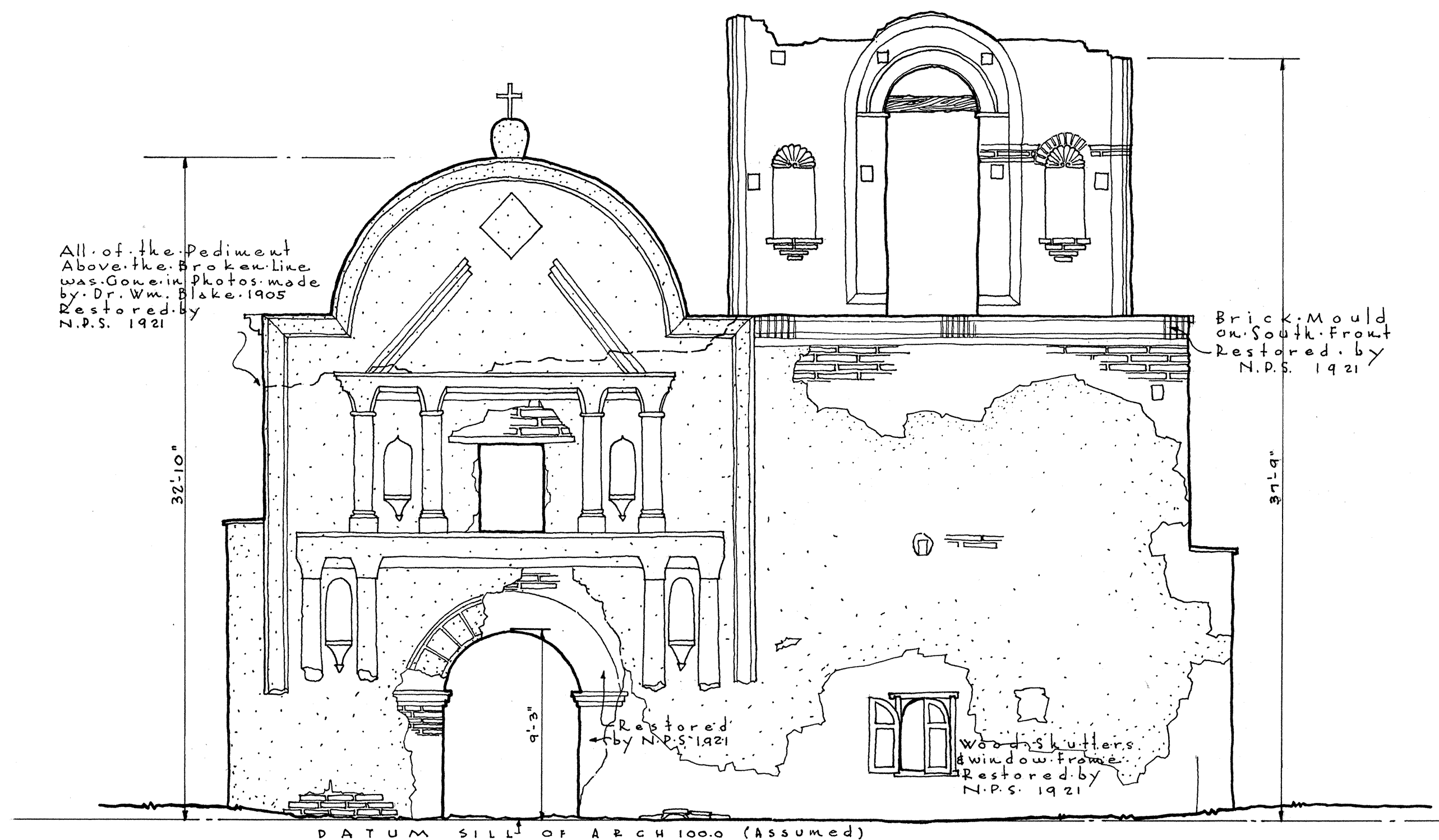
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S O U T H E L E V A T I O N

S C A L E $\frac{3}{16}" = 1'-0"$

F.D.N. C.B.M. F.A.E. Mens.
F. Eastman & F. Nichols, Dels.

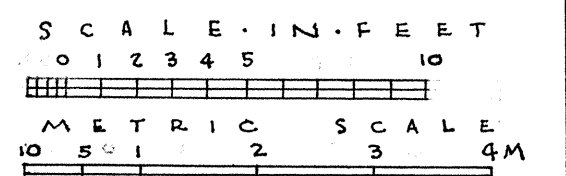
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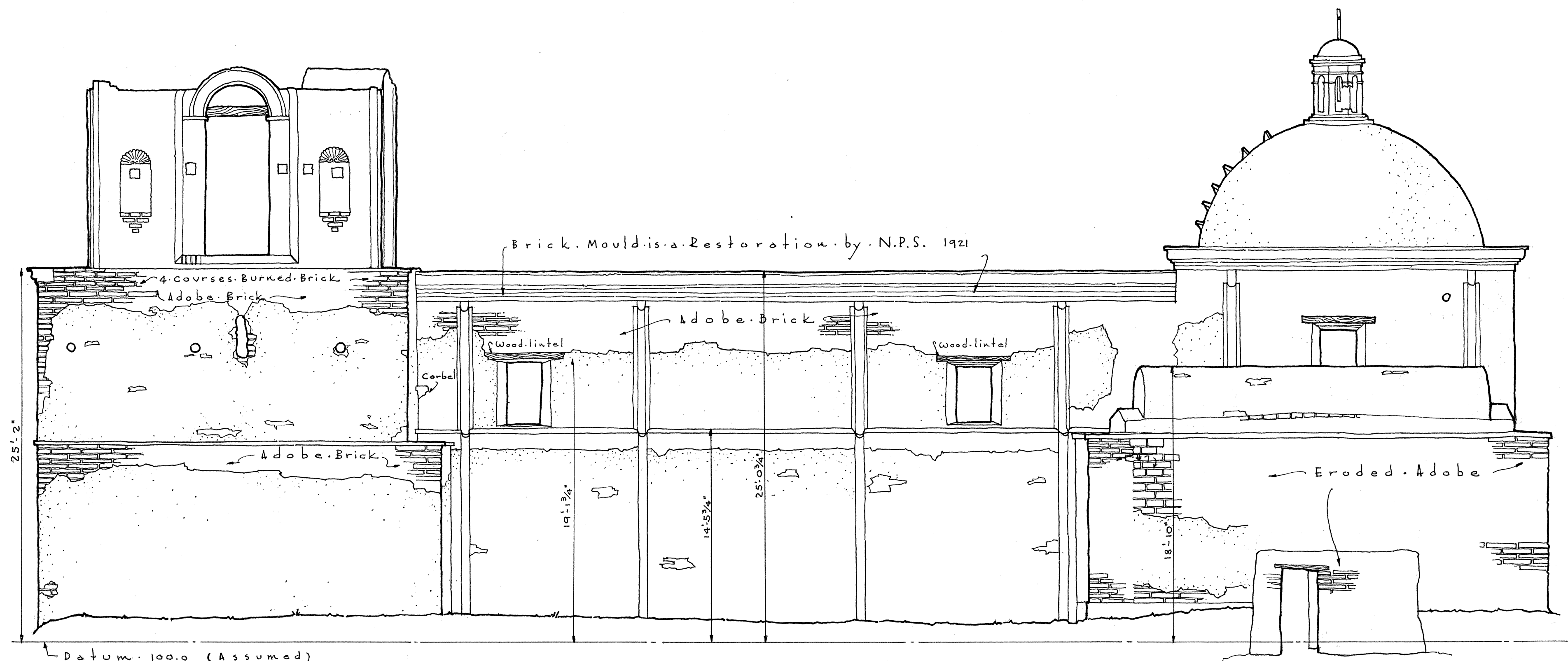
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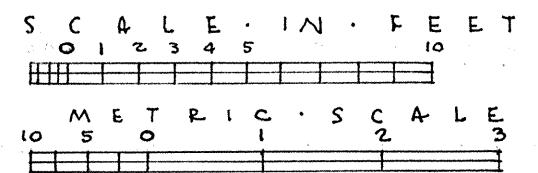




All canals shown are restored in cement, except those marked original, which are lime mortar.

NOTE . . .
The Round Holes in the Clerestory Wall & the Square Holes in the Belfry were used Presumably to Anchor Scaffolding during construction of the Upper Heights of the Belfry & were to be plastered over on completion of the Work . . .

EAST ELEVATION
SCALE 3/16" = 1'-0"



C. B. Maguire & F. A. Eastman, Mens.
F. A. Eastman & F. D. Nichols, Dels.

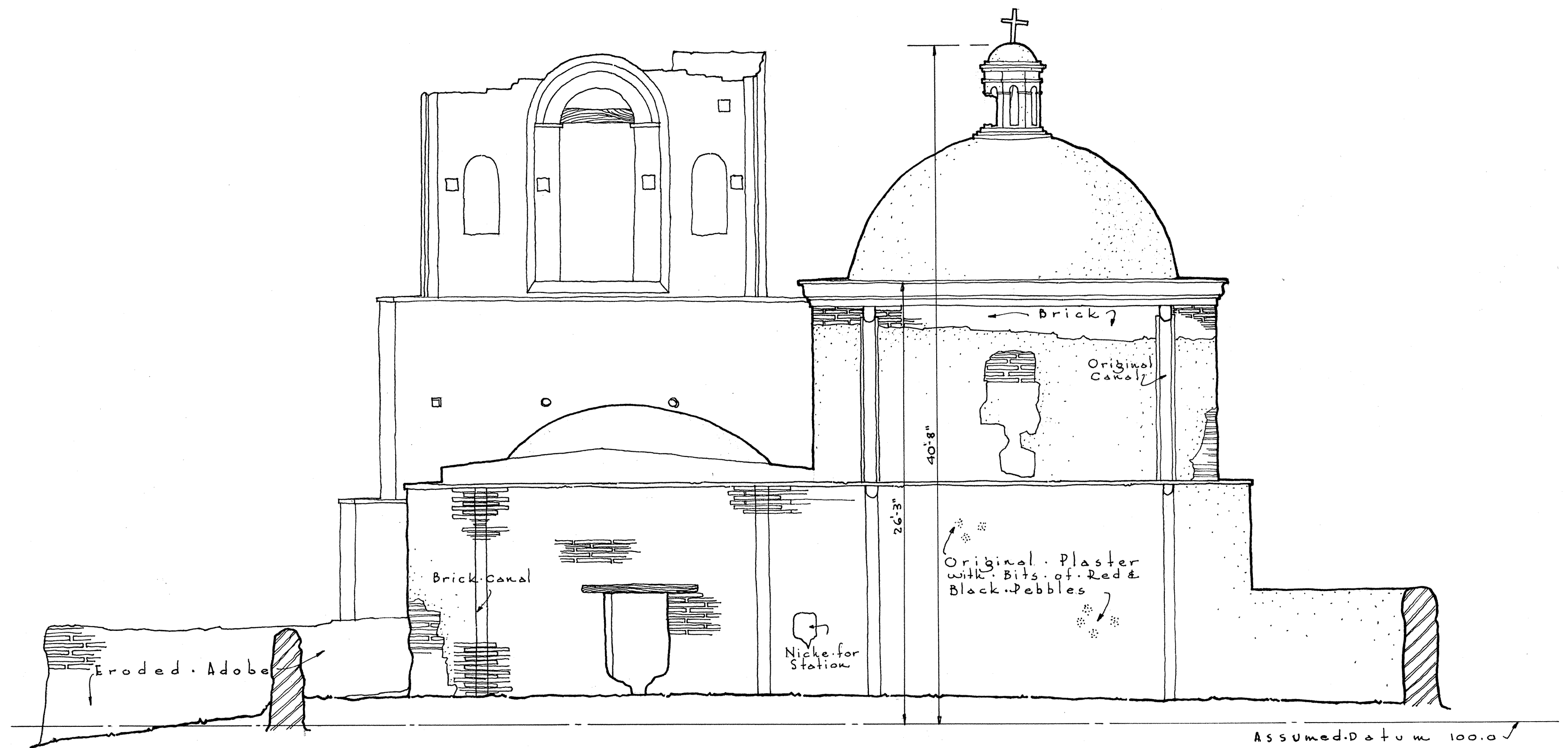
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N O R T H (R E A R) E L E V A T I O N

Scale: $\frac{3}{16}" = 1'-0"$

C.B. Maguire & F.A. Eastman, Mens.
F.A. Eastman & F.D. Nichols, Dels.

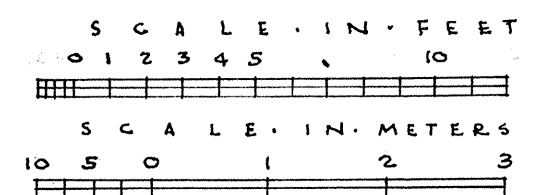
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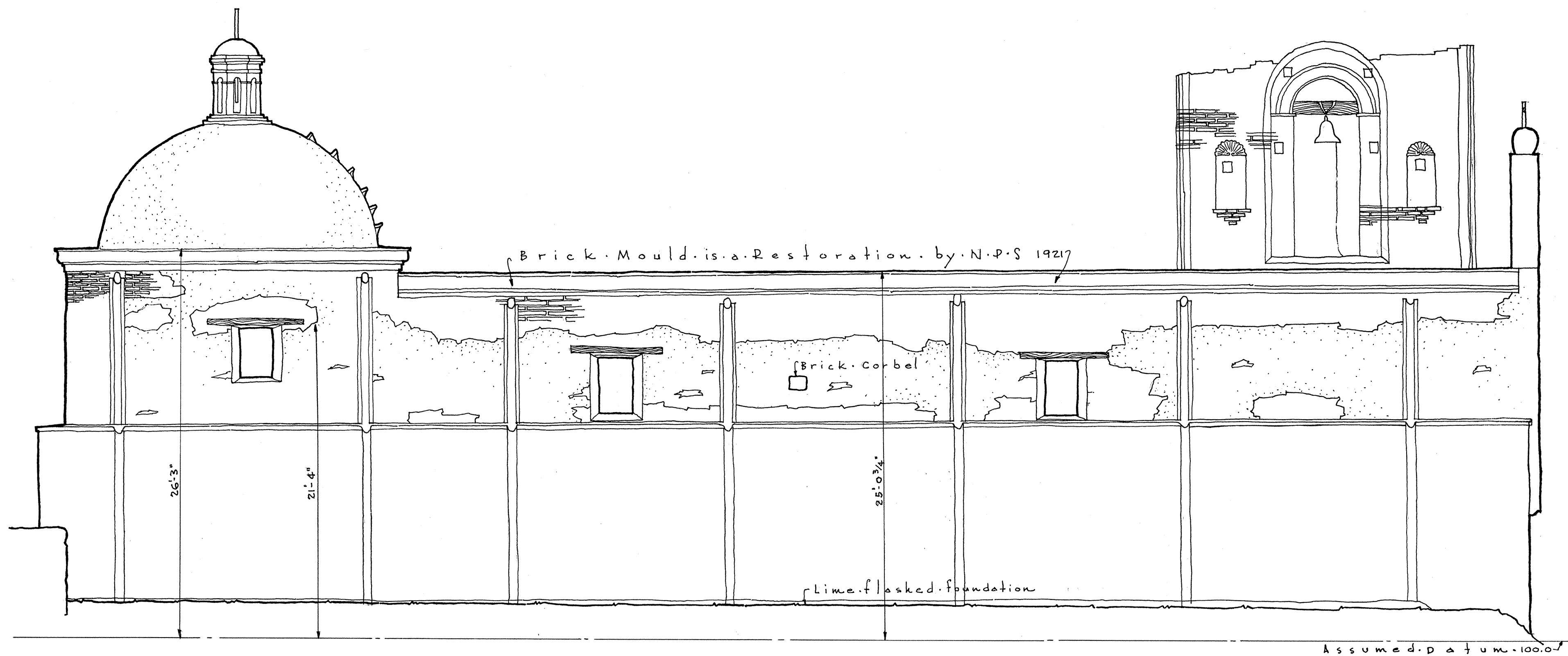
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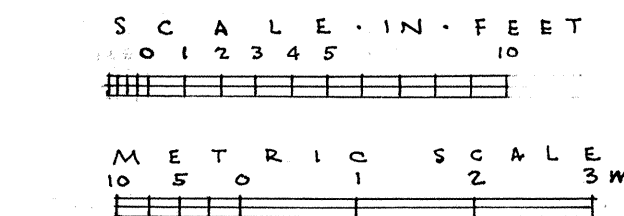
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W E S T E L E V A T I O N
 Scale: 3/16" = 1'-0"



C. McGuire & F. Eastman, Mens.
 F. Eastman & F. Nichols, Dels.

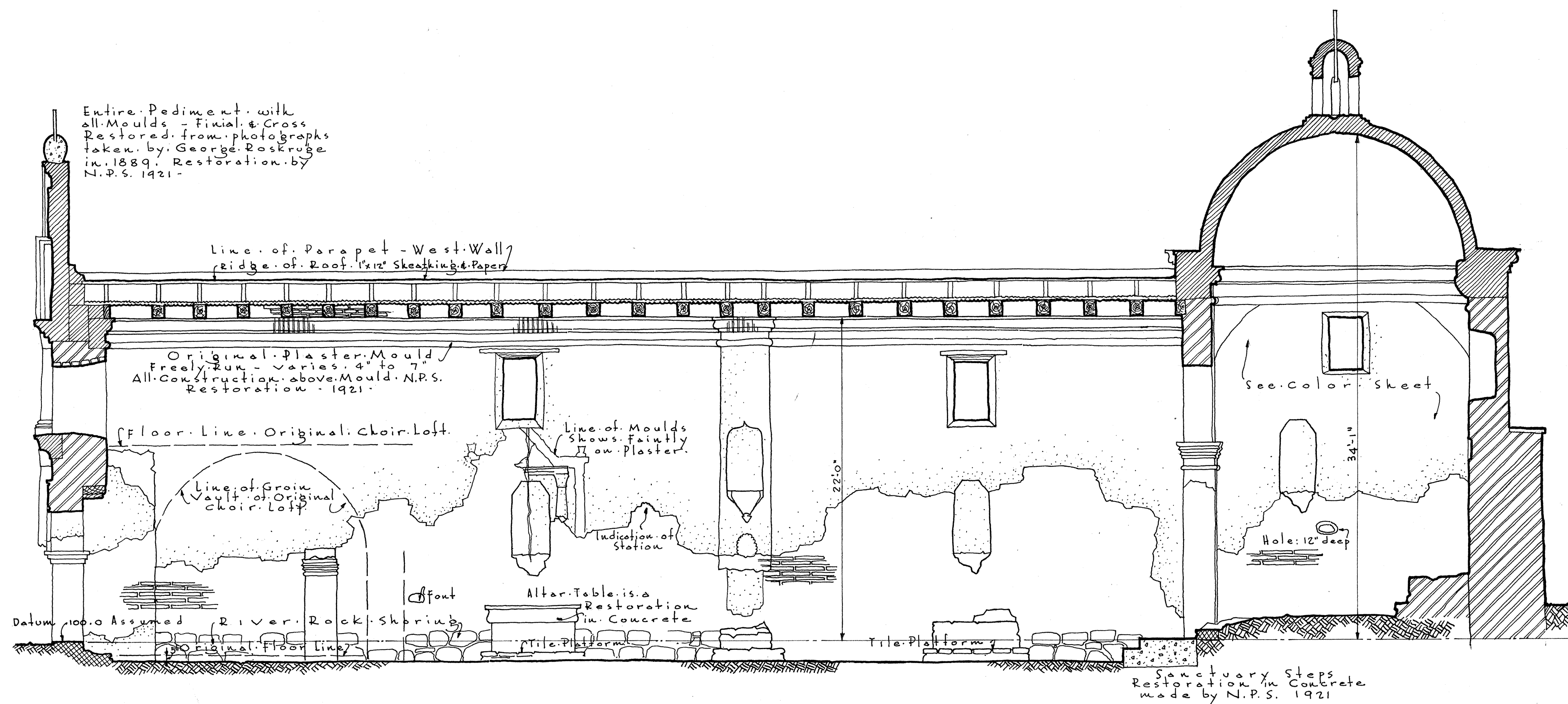
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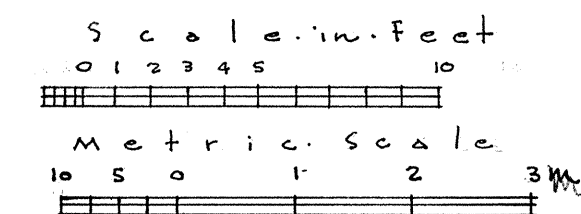
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LONGITUDINAL SECTION ON LINE A-A
WEST WALL OF NAVE & SANCTUARY
SCALE: 3/16" = 1'-0"

Legend:
Adobe brick

Burned brick



C. B. Maguire & F. A. Eastman, Mens.
F. A. Eastman & F. D. Nichols, Dels.



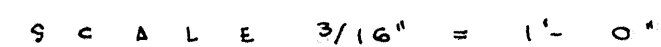
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BRANCH OF PLANS AND DESIGN

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NEAR SANTA CRUZ RIVER SANTA CRUZ COUNTY ARIZONA

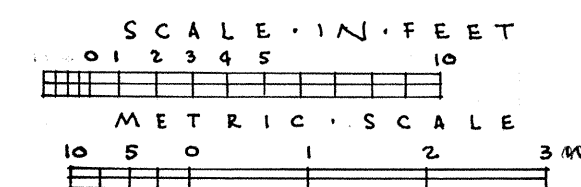
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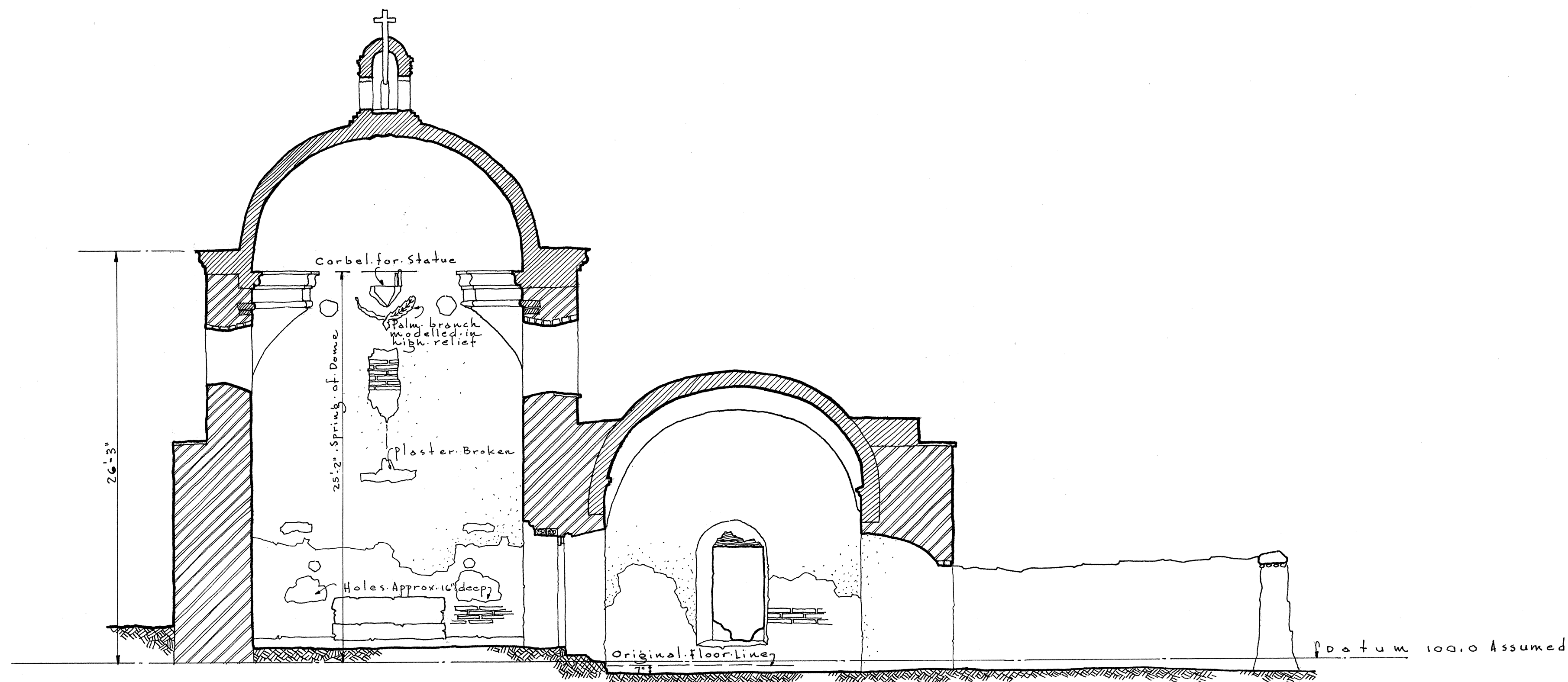
INDEX NO.



Burned brick



INDEX NO.

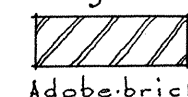


CROSS SECTION THRU SANCTUARY & SACRISTY ON LINE B-B
Scale: 3/16" = 1'-0"

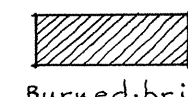
NOTE: Holes in North wall of SANCTUARY vary from 8" to 16" in depth & were presumably for Anchors for the Reredos & Shelves on which were placed the Santos. The large hole above the Altar which is approximately 1'-10" deep is thought to have been made by Vandals in searching for Treasure.

The low Wing of badly eroded Adobe bricks probably was a Passageway from the SACRISTY to the CLOISTERS of which only traces of the walls remain.

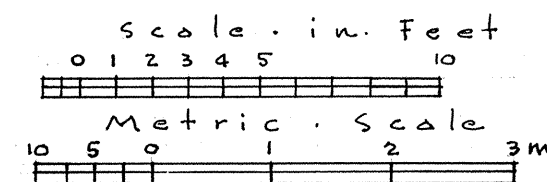
Legend:



Adobe brick



Burned brick



C. Maguire & F. Eastman, Mens.
F. Eastman & F. Nichols, Dels.



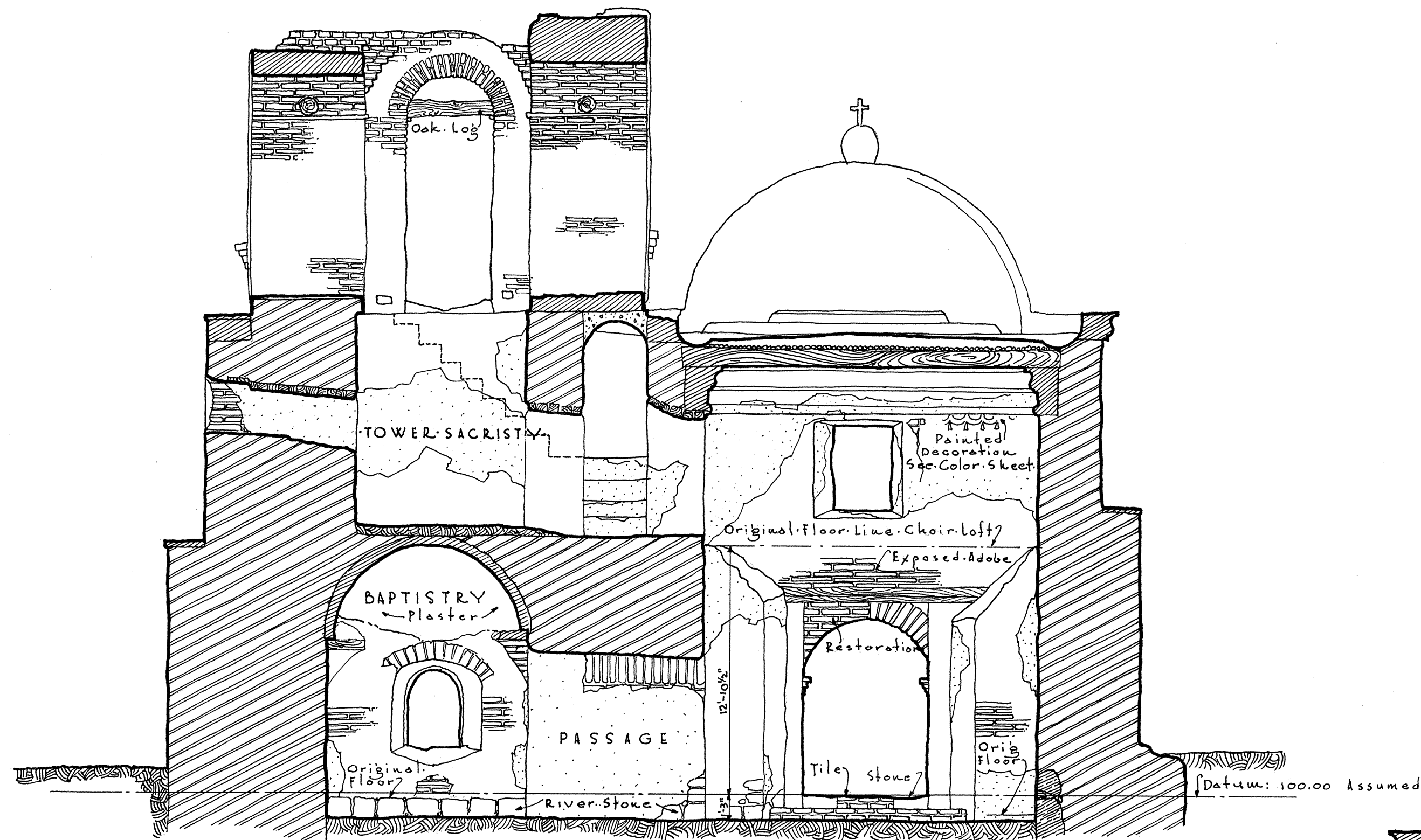
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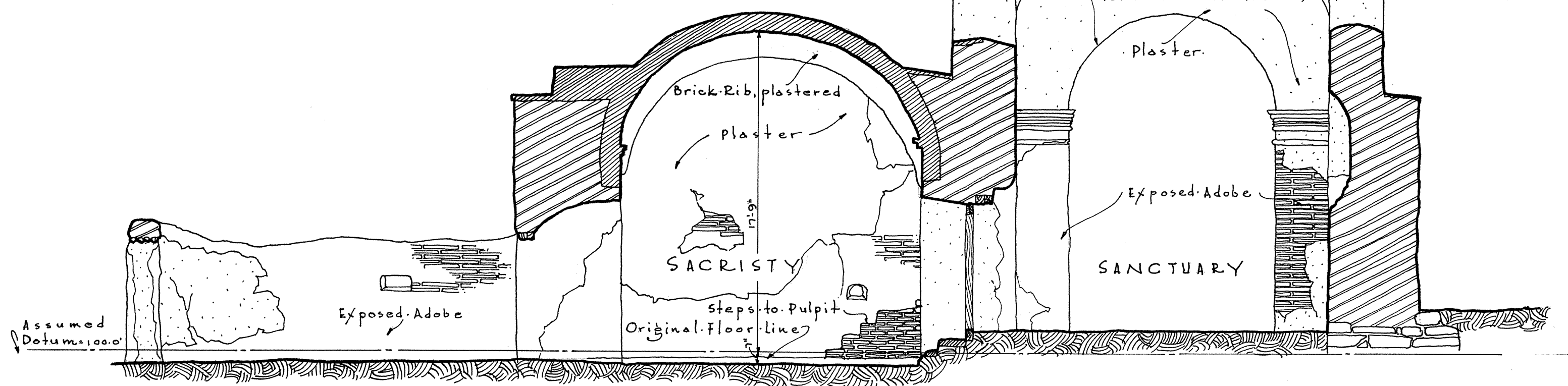
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SECTION • THRU • NAVE • & • BAPTISTRY • ON • LINE • C-C

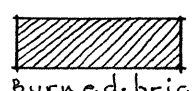
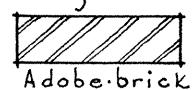
Scale: $\frac{3}{16}'' = 1'-0''$



SECTION • THRU • SANCTUARY • & • SACRISTY • ON • LINE • B-B

Scale: $\frac{3}{16}'' = 1'-0''$

Legend:



F. Eastman & C. Maguire, Mens.
C. Maguire & F. Nichols, Dels.

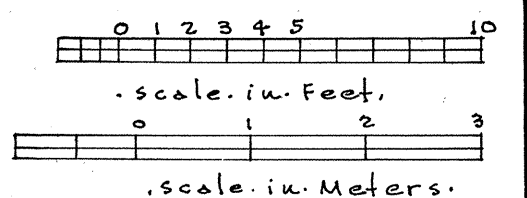
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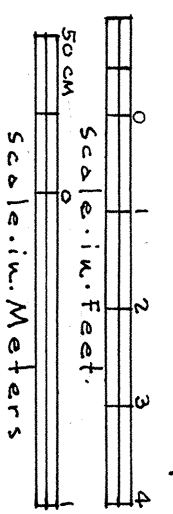
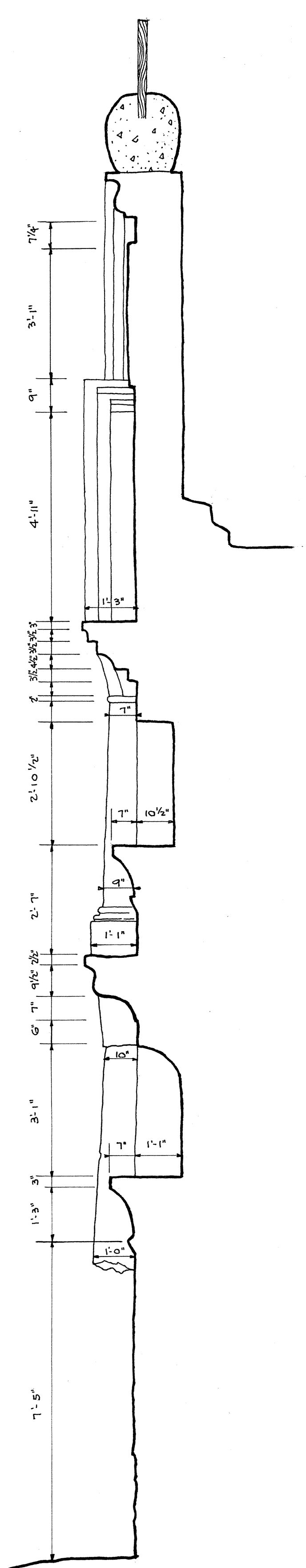
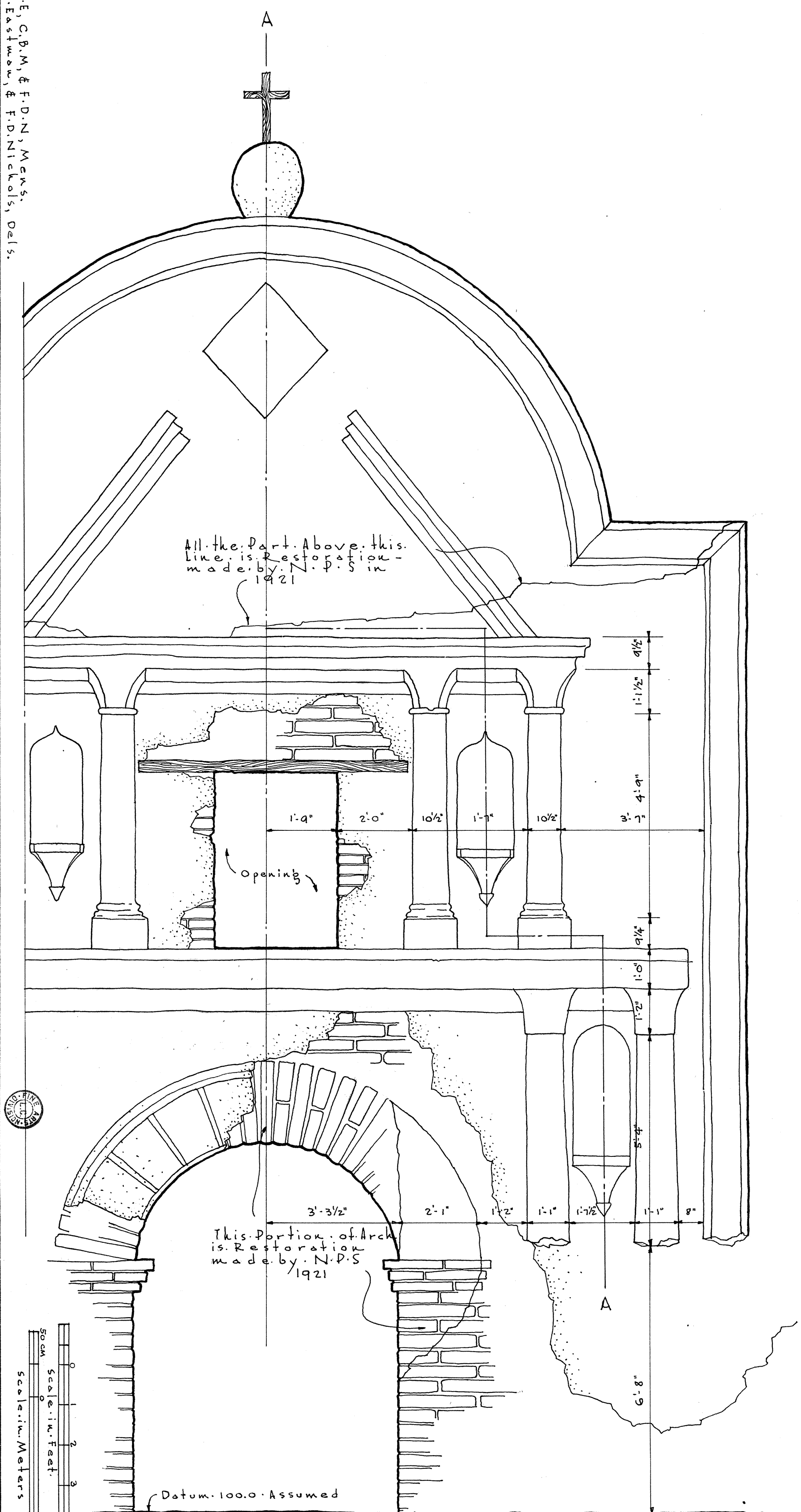
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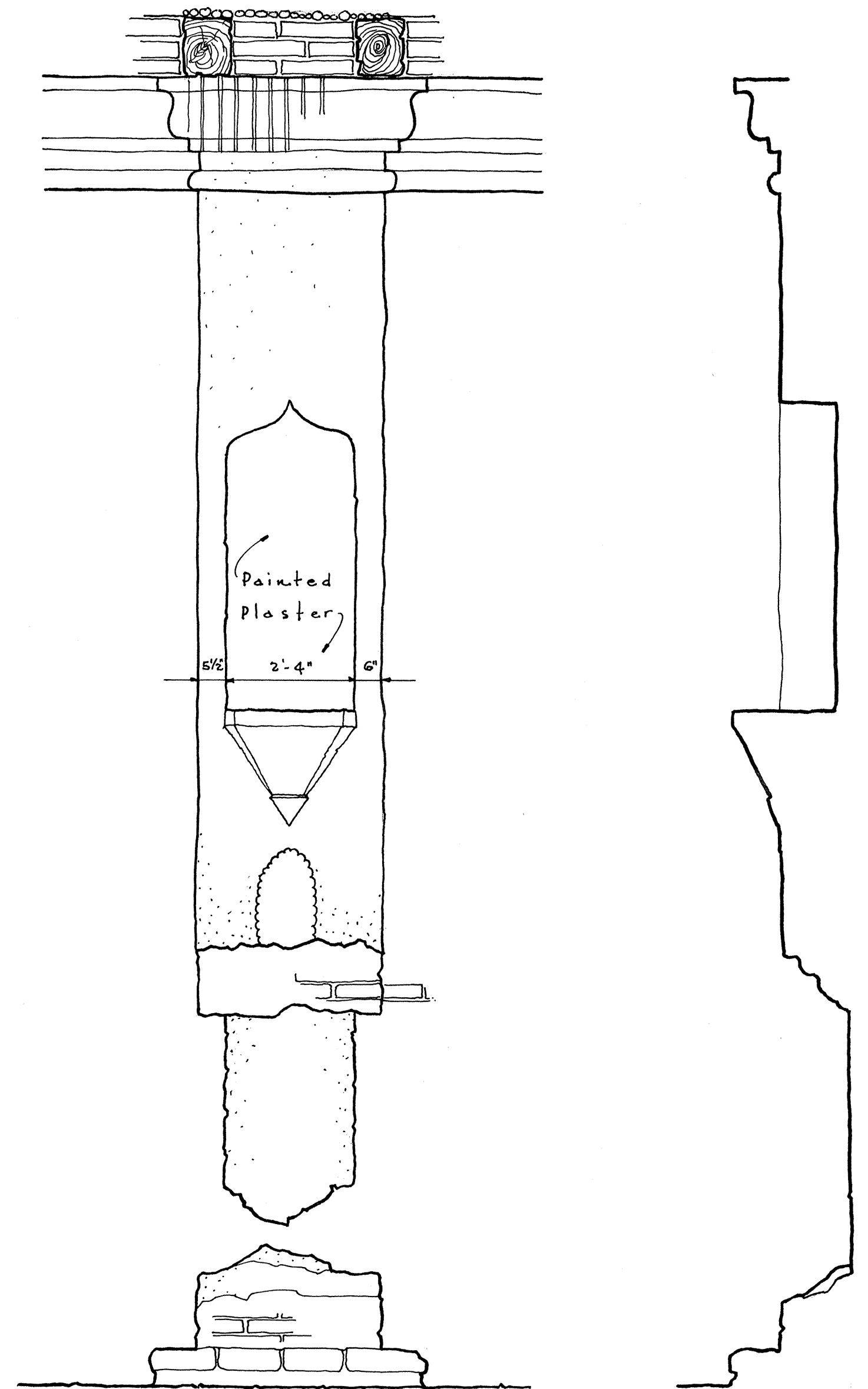
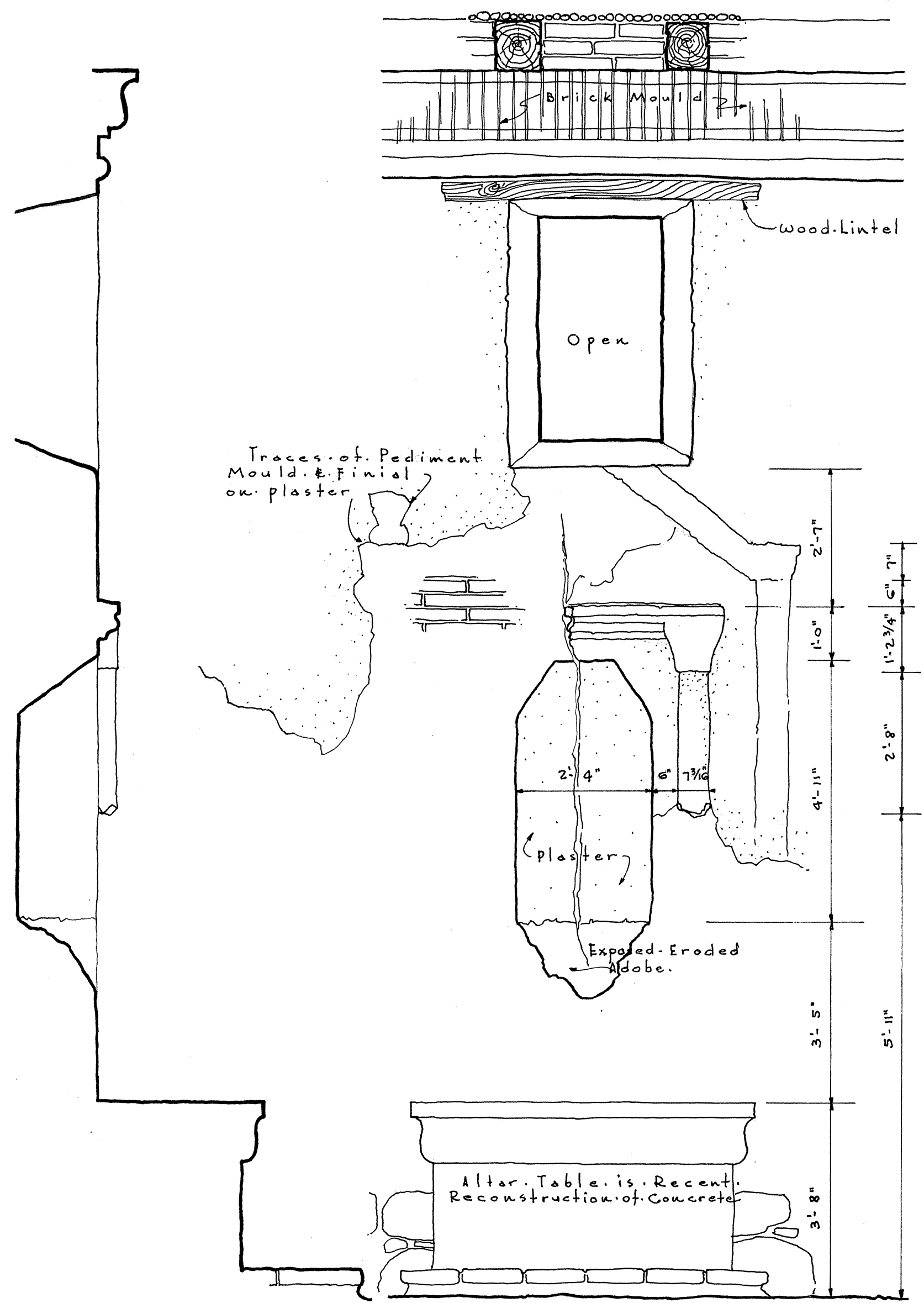
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F.A.E. C.B.M. & F.D.N. M.E.S.
F.A. Eastman, & F.D. Nichols, Dels.





SECTION ELEVATION
SOUTH ALTAR WEST SIDE OF NAVE

ELEVATION SECTION
PIER & NICHE WEST SIDE OF NAVE

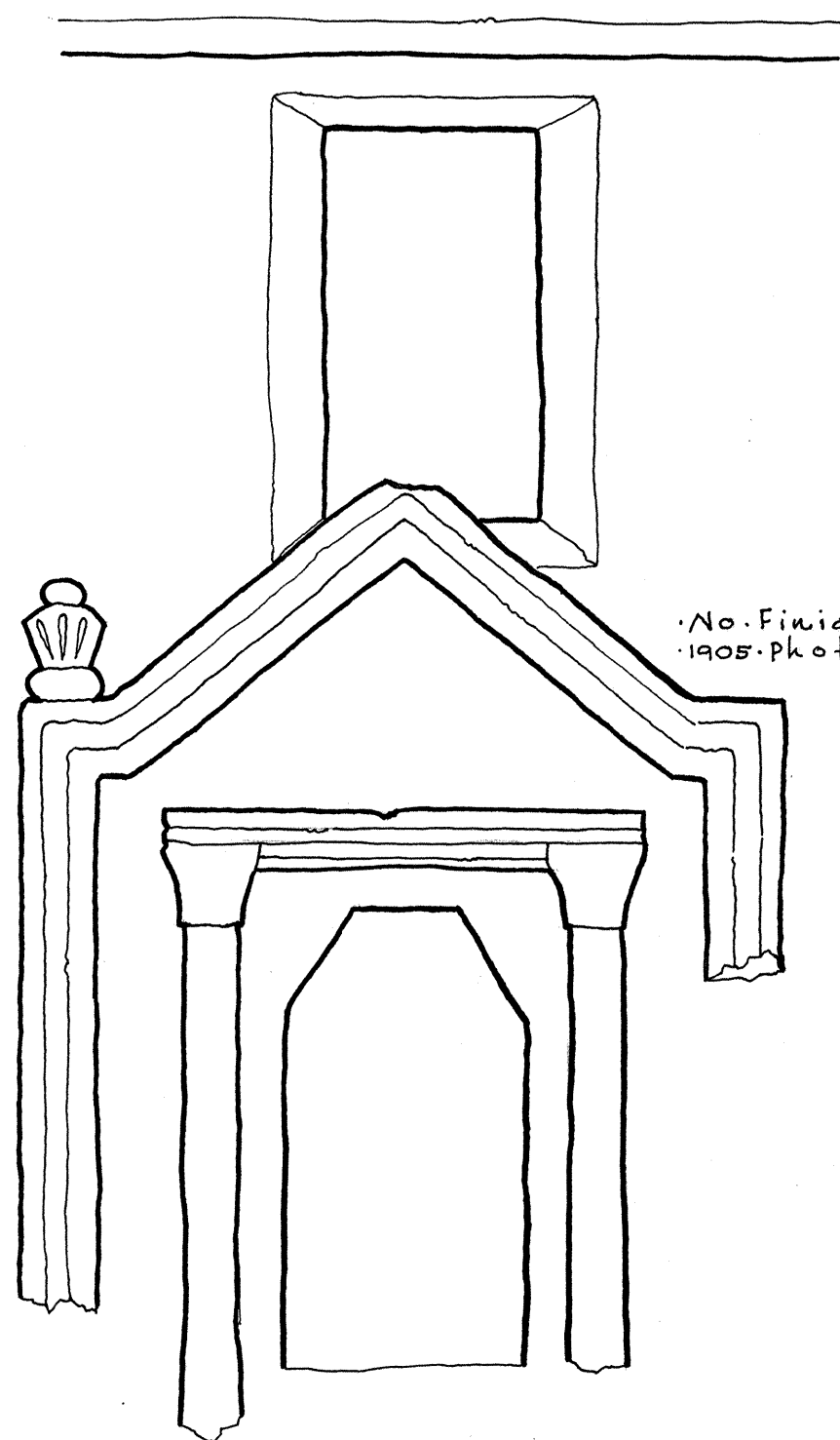
F. Eastman & C. Maguire, Meas.
F. Eastman & F. Nichols, Dels.



Scale in Feet 0 1 2 3 4 Scale in Meters 100cm 50cm 0 1m

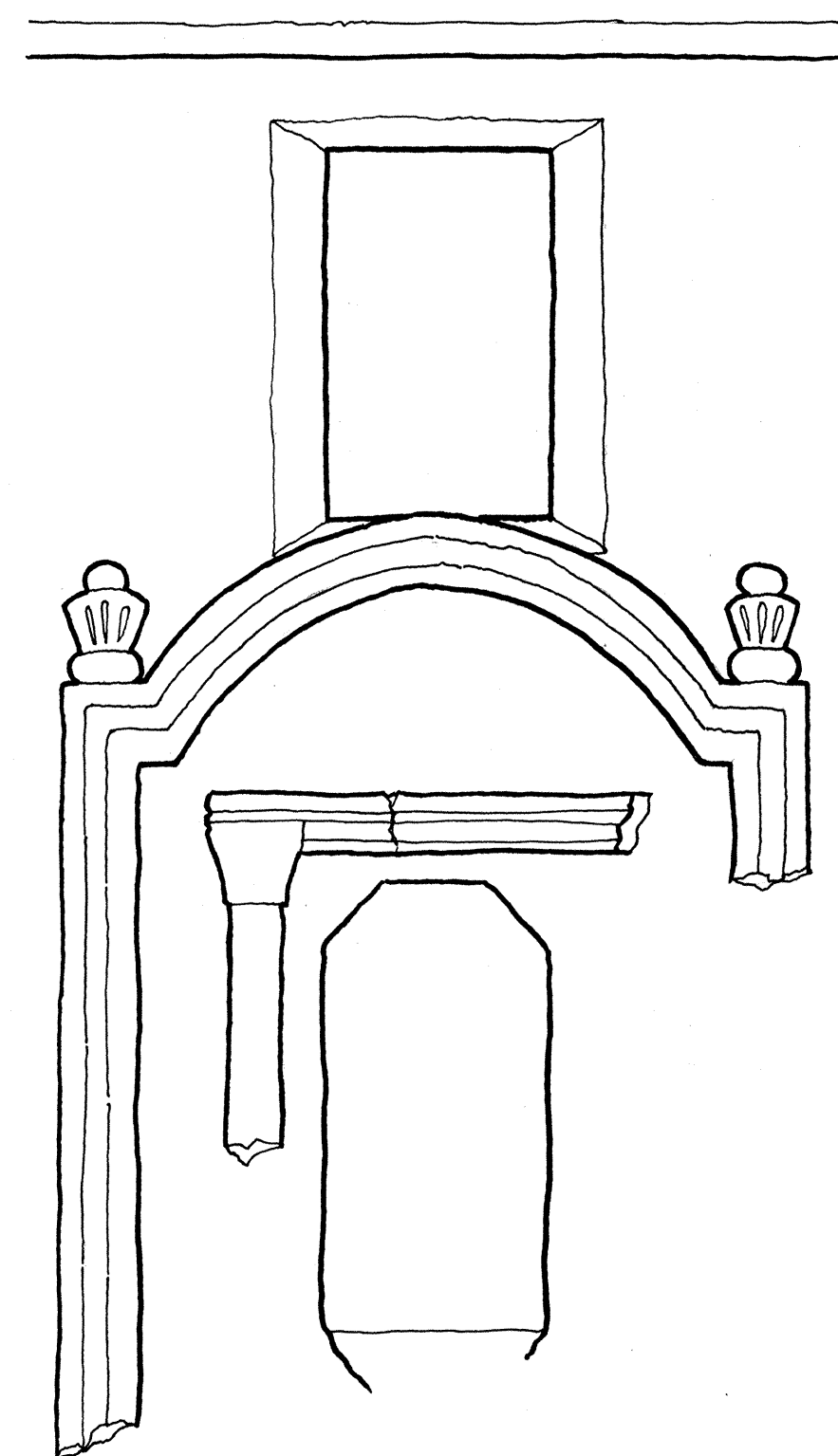
U.S. DEPARTMENT OF THE INTERIOR OFFICE OF NATIONAL PARKS, BUILDINGS, AND RESERVATIONS BRANCH OF PLANS AND DESIGN	NAME OF STRUCTURE MISSION SAN JOSE DE TUMACACORI NEAR SANTA CRUZ RIVER SANTA CRUZ COUNTY ARIZONA	SURVEY NO. ARIZ-3	HISTORIC AMERICAN BUILDINGS SURVEY SHEET 14 OF 33 SHEETS	INDEX NO.
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This Finial does not appear in the Notebook, but does show in a snapshot made by Prof. Blake circa 1905.

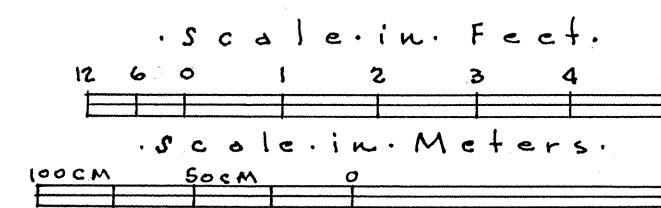


No Finial in 1905 Photograph.

Restoration Drawing of South Altar on West Side of Nave. Taken from a Free Hand Ink Sketch in the Notebook of Professor William P. Blake, Director of the School of Mines at the University of Arizona, 1895-1905. Sketch dated Feb. 13, 1907. Prof. Blake shows head of Niche as being circle head arch but as there is no evidence of reconstruction it may be considered an inaccuracy & is shown as existing. No profile of Outside Mold is available.



Restoration Drawing of North Altar on West Side of Nave. Taken Partly from Prof. Blake's Notebook of Feb. 13, 1907 & Partly from Snapshot taken by him circa 1905.



F. Eastman, & C. Maguire, Mens.
F. Eastman & F. Nichols, Dels.



• • R E S T O R A T I O N • O F • D E T A I L S • •

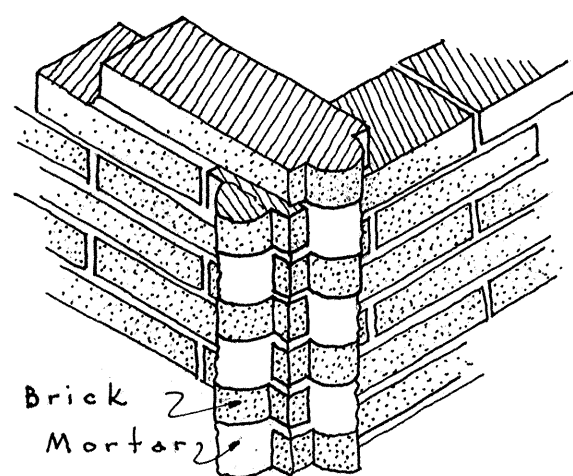
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OFFICE OF NATIONAL PARKS, BUILDINGS, AND RESERVATIONS
BRANCH OF PLANS AND DESIGN

NAME OF STRUCTURE
MISSION • SAN • JOSE • DE • TUMACACORI •
NEAR • SANTA • CRUZ • RIVER • SANTA • CRUZ • COUNTY • ARIZONA •

SURVEY NO.
ARIZ-3

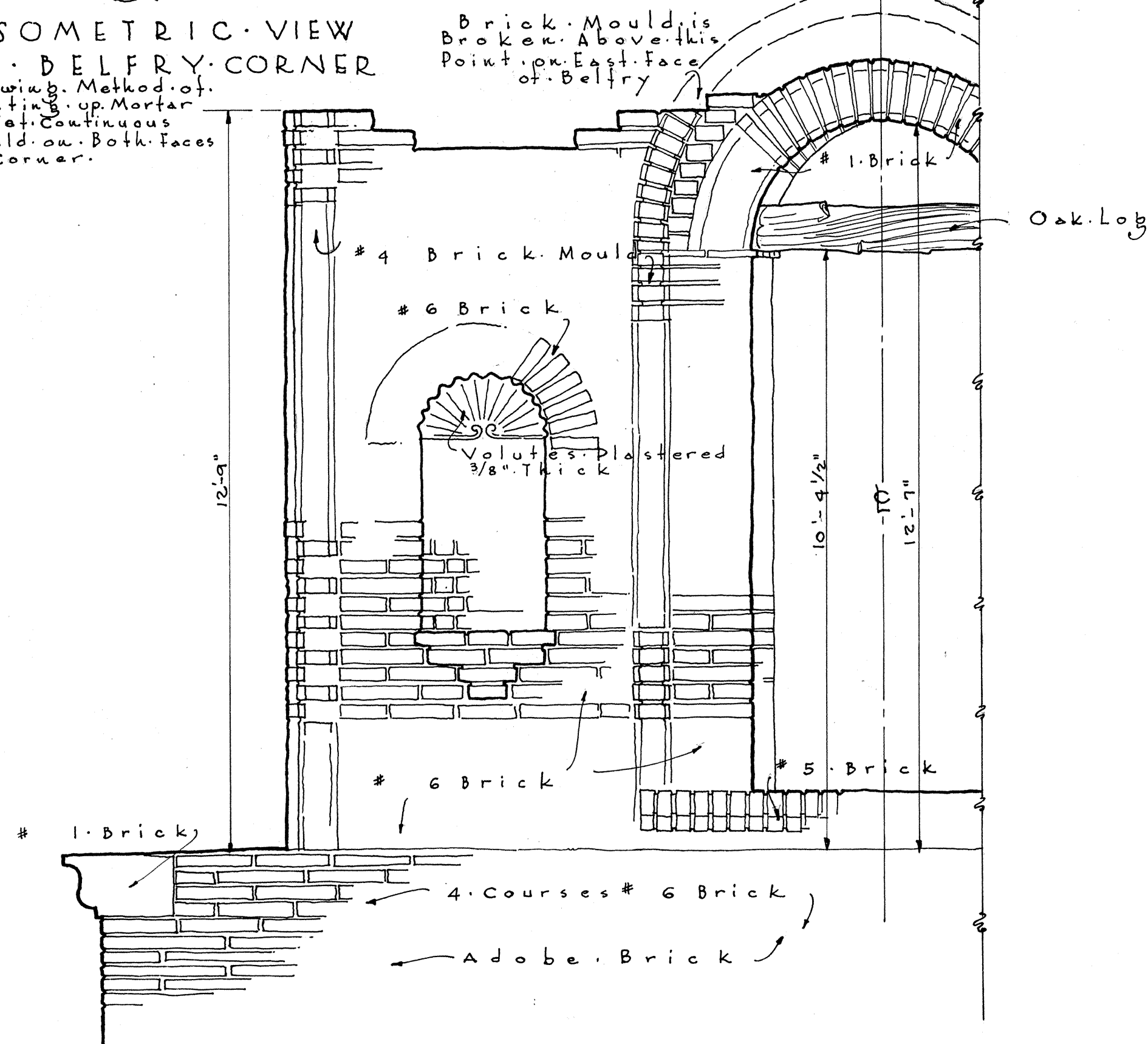
HISTORIC AMERICAN
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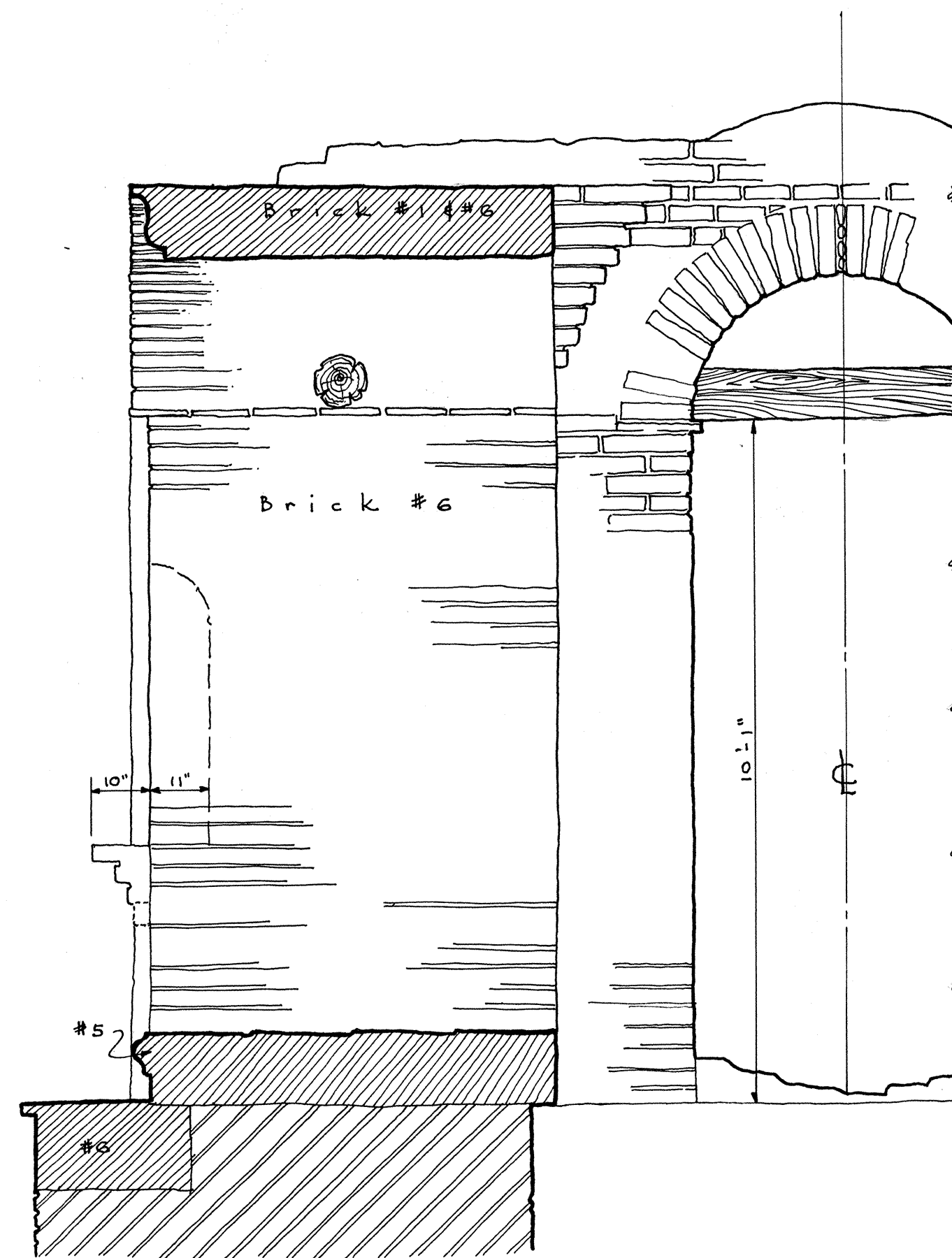


ISOMETRIC VIEW OF BELFRY CORNER

Showing Method of
Pointing up Mortar
to Get Continuous
Mould on Both Faces
of Corner.



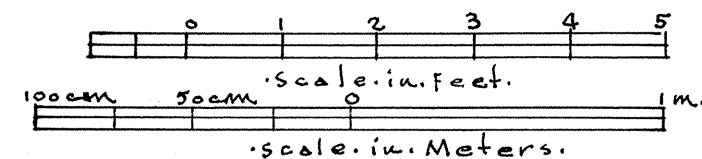
PART ELEVATION EAST SIDE
OF BELFRY



SECTION ON E EAST SIDE OF
BELFRY & PART VIEW INNER FACE
SOUTH SIDE

C. Maguire & F. Eastman, Mens.
F. Eastman & F. Nichols, Dels.

SCALE 1/2" = 1'-0"



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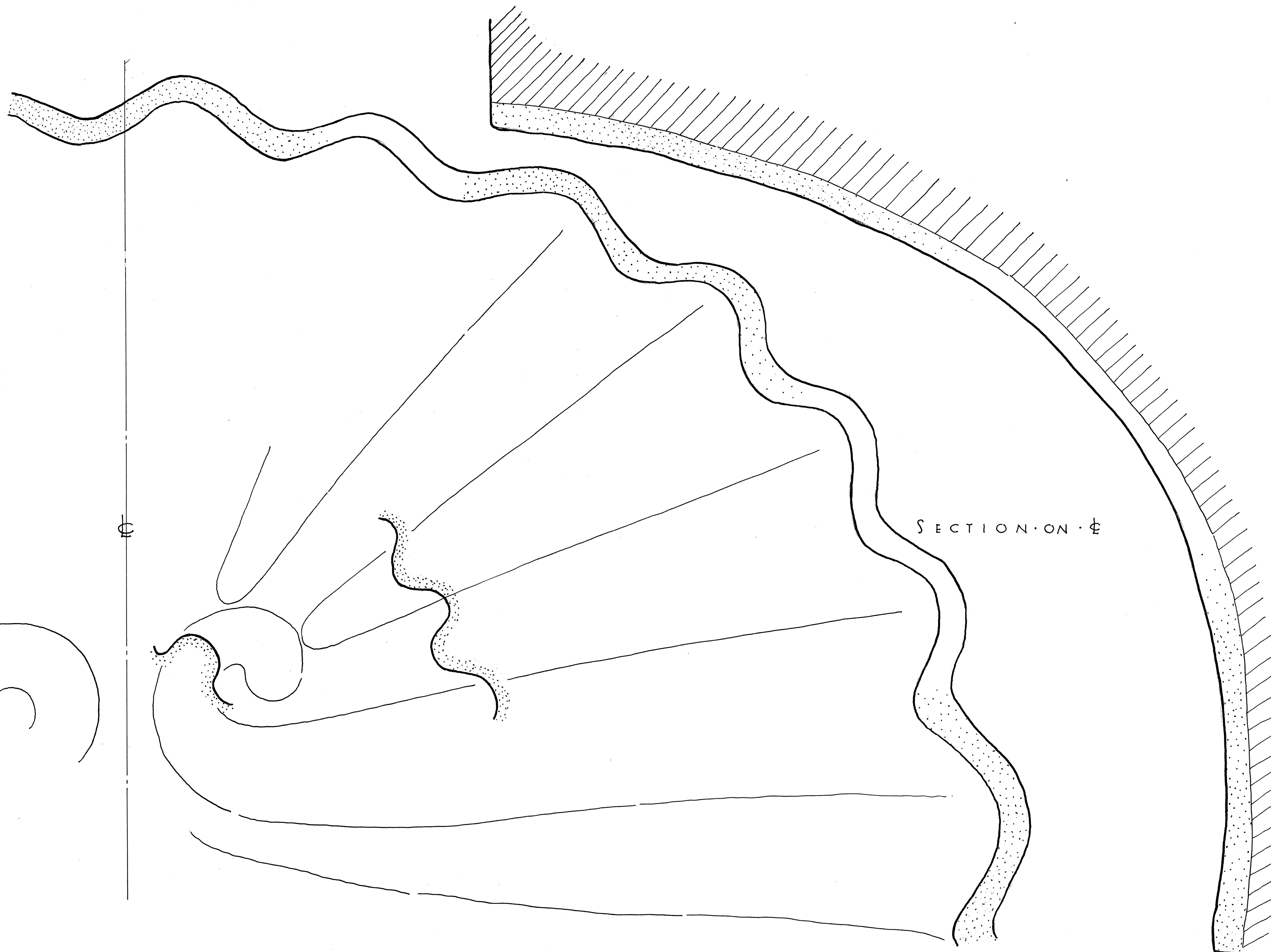
NAME OF STRUCTURE
MISSION SAN JOSE DE TUMACACORI
NEAR SANTA CRUZ RIVER SANTA CRUZ COUNTY ARIZONA



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• HALF • ELEVATION • C • SECTION • OF • SHELL • SOUTH • ON • WEST • FACE • OF • BELFRY •
Frederick A. Eastman • Mens & Del. scale in inches 0 1 2 3 4 cm scale in centimeters 0 1 2 3 4 cm

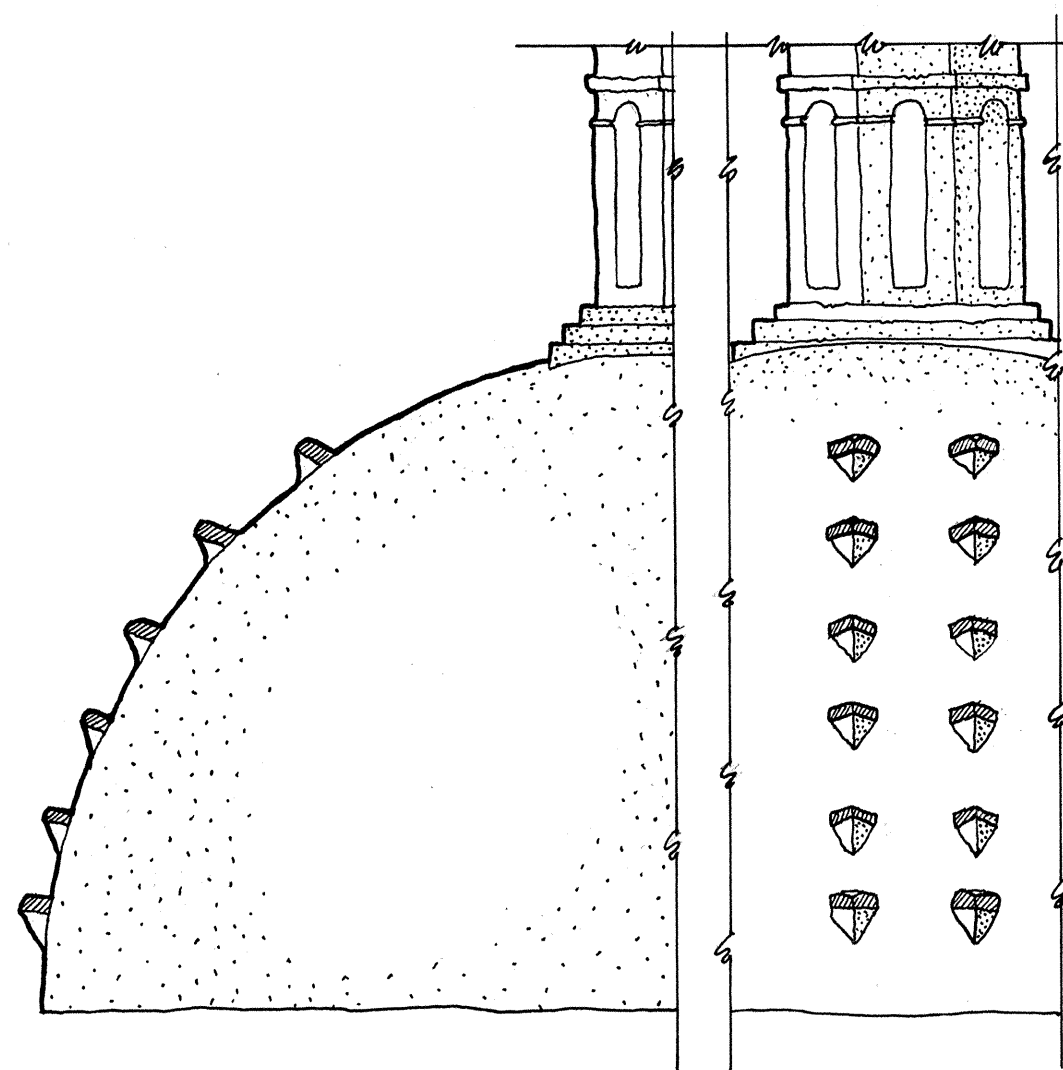
U.S. DEPARTMENT OF THE INTERIOR
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NAME OF STRUCTURE
• MISSION • SAN • JOSE • DE • TUMACACORI •
• NEAR • SANTA • CRUZ • RIVER • SANTA • CRUZ • COUNTY • ARIZONA •

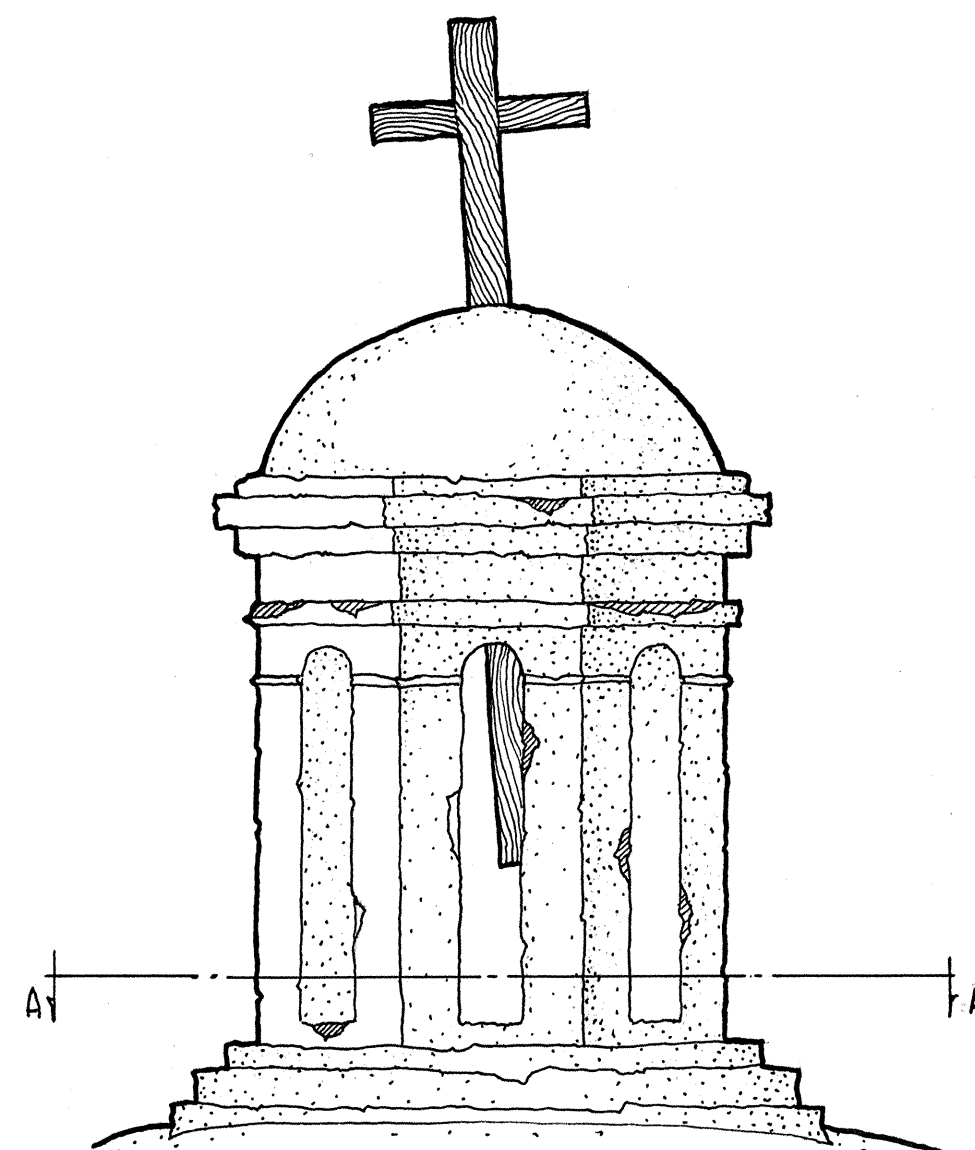
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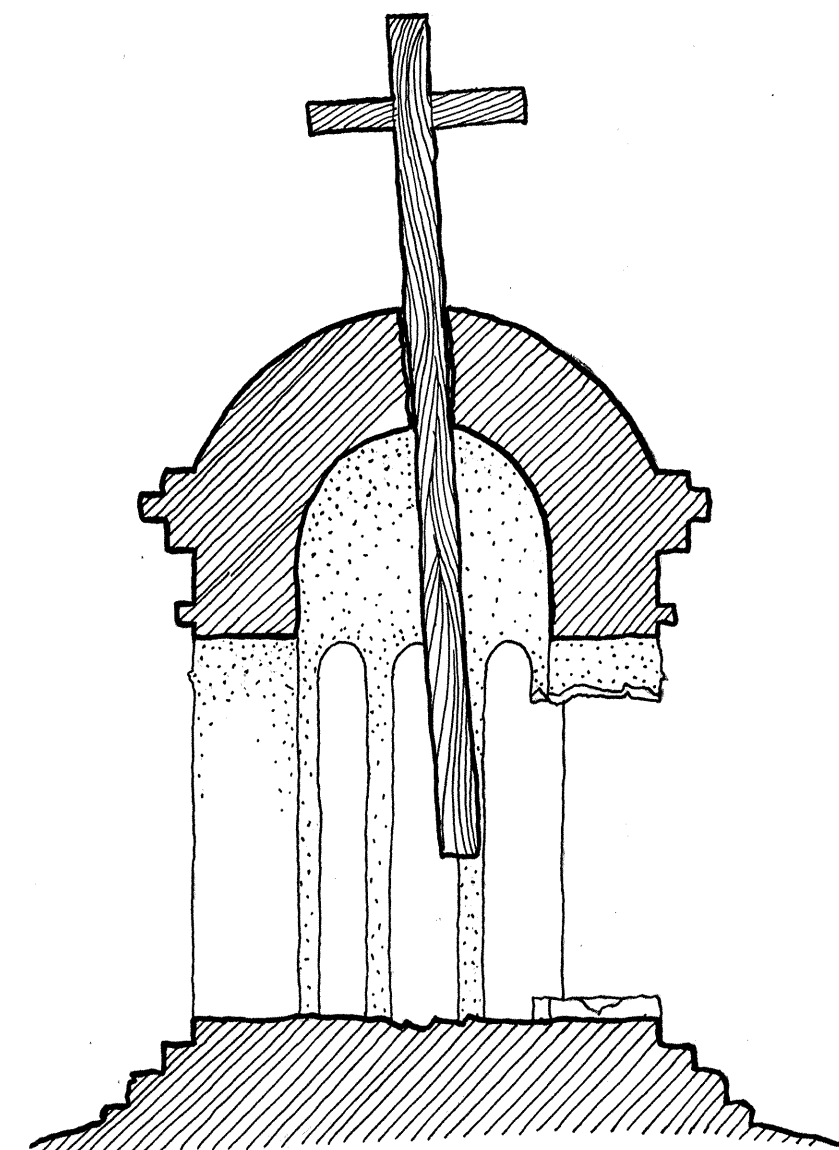
INDEX NO.



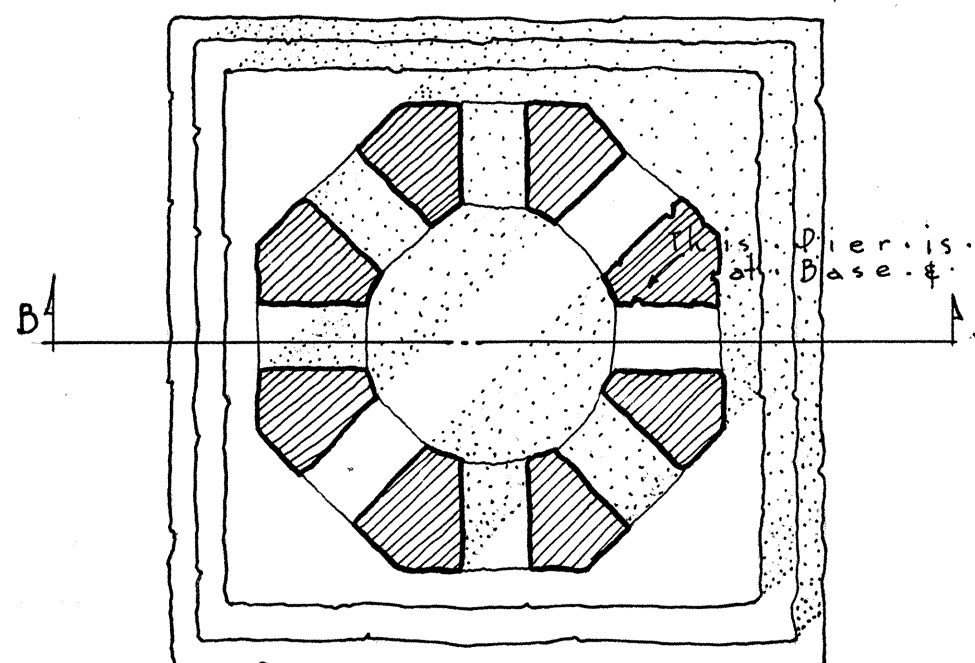
SIDE & FRONT ELEVATIONS
BRICK STEPS ON SOUTH FACE
OF SANCTUARY DOME PLACED
AS A MEANS OF REACHING THE LANTERN
SCALE $\frac{3}{8}'' = 1'-0''$



SOUTH ELEVATION LANTERN
ON SANCTUARY DOME

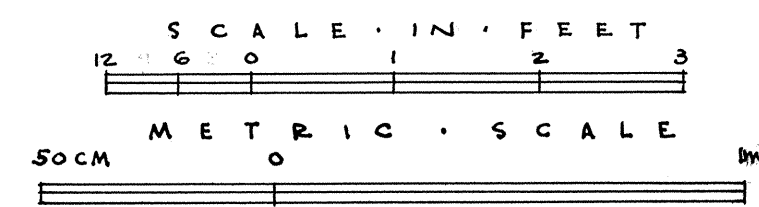


SECTION OF
LANTERN LINE B-B



PLAN OF LANTERN AT LINE A-A
SCALE $\frac{3}{4}'' = 1'-0''$

C. B. Maguire & F. A. Eastman, Mens.
F. A. Eastman & F. D. Nichols, Dels.



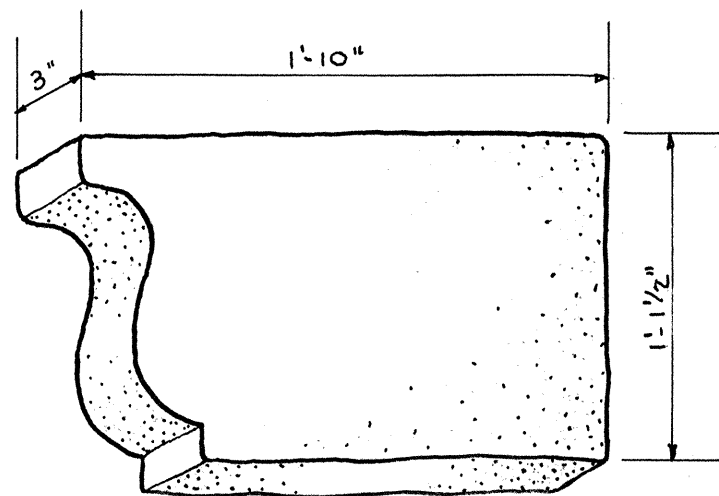
U.S. DEPARTMENT OF THE INTERIOR
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NAME OF STRUCTURE
MISSION SAN JOSE DE TUMACACORI
NEAR SANTA CRUZ RIVER SANTA CRUZ COUNTY ARIZONA

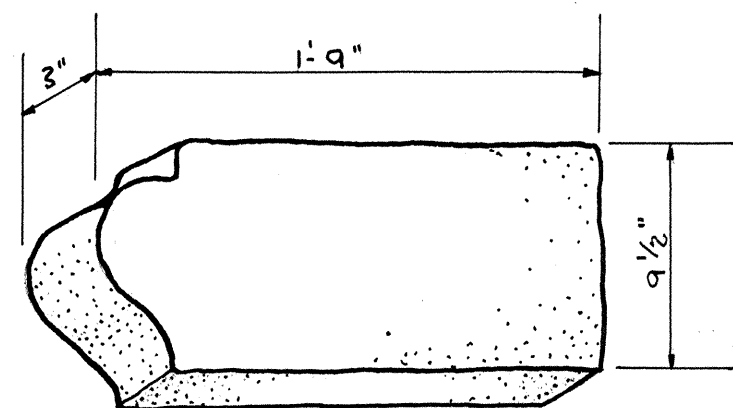
SURVEY NO.
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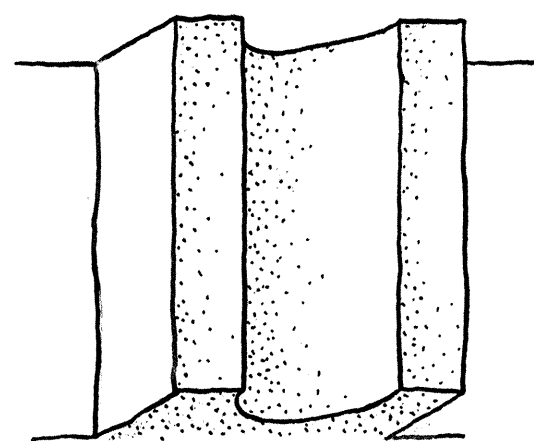
INDEX NO.



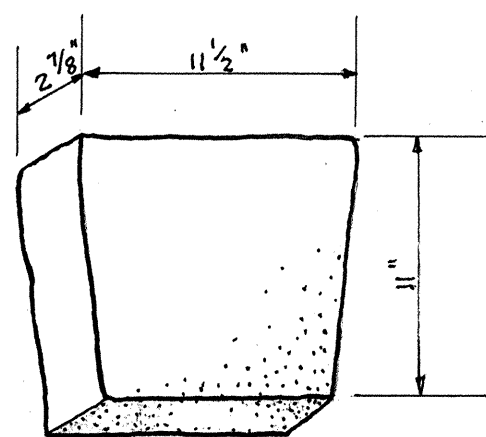
• BRICK NO. 1.
Used as a Cornice Mould on All Exterior & Interior Walls & as a Mould around the top of the Arches in the Belfry, as well as the Base of the Sanctuary Dome...



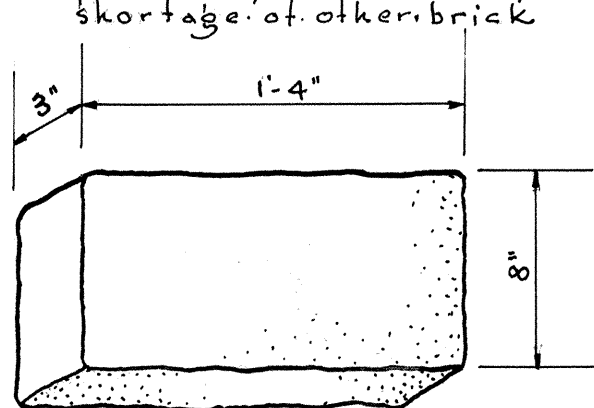
• BRICK NO. 5.
Used as Facing of Sills in All Arches of Belfry



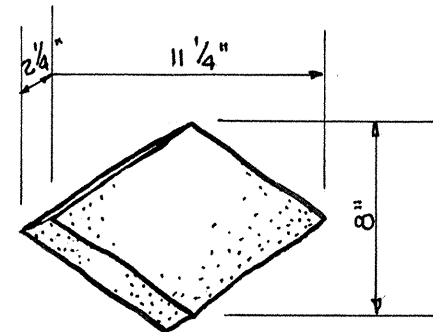
• CANAL.
Dimensions of Canals vary but this may be taken as typical. Canals were originally of Lime. Restorations made in Cement



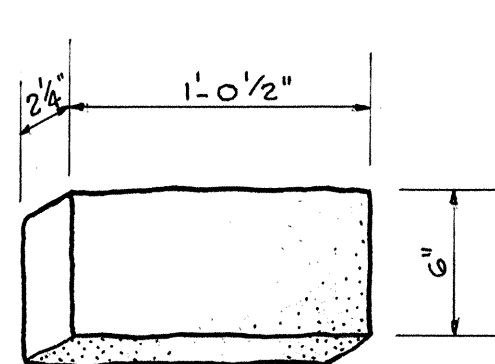
• BRICK NO. 2.
Used to form Curve of SANCTUARY DOME & BARREL VAULT of SACRISTY Also used on South Side of Base of Dome as a mould & as paving probably because of shortage of other brick



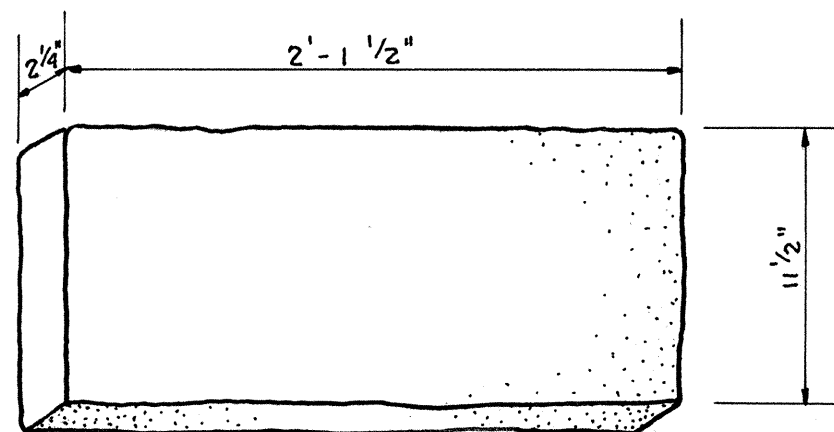
• BRICK NO. 6.
Used Generally throughout Church where Adobe Brick would not have been feasible; as in Base of Sanctuary Dome & Sacristy Vault, and in South East Corner of Outer Wall of Sacristy. Also in N.P.S. Restoration in 1921 in conjunction with Brick No. 7



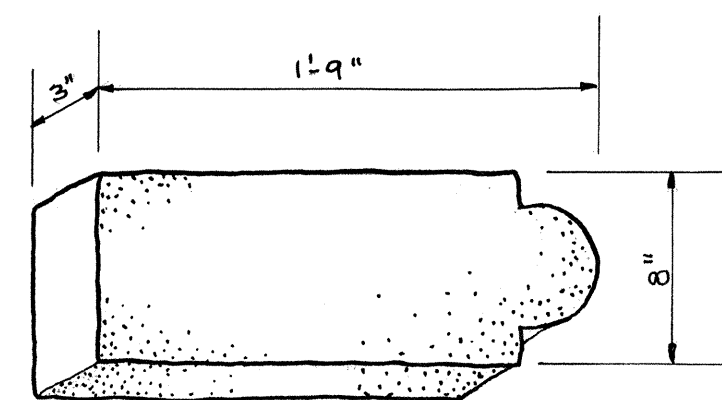
• BRICK NO. 3.
Used for Steps on South Face of SANCTUARY DOME to reach LANTERN Only. 12 of these bricks are to be found in the whole Church



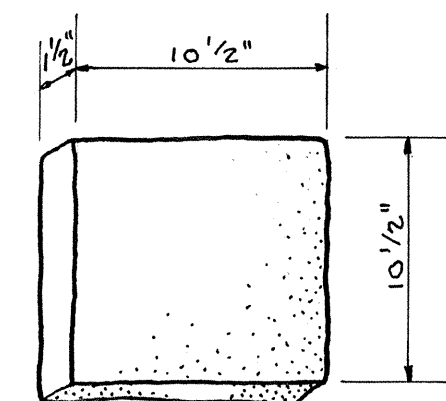
• BRICK NO. 7.
Used as Floor Brick both Flat & on Edge. Also found in conjunction with Brick No. 6 in walls where it is seen flat, on edge & as header...



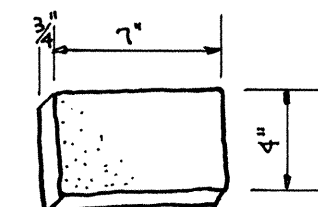
• ADOBE BRICK.
Used throughout Church in Wall & Arch Construction & reproduced by N.P.S. in 1921 Restoration



• BRICK NO. 4.
Used as a Corner Mould on the Belfry & for the Secondary Arch around Arched Openings on all Sides of the Belfry...



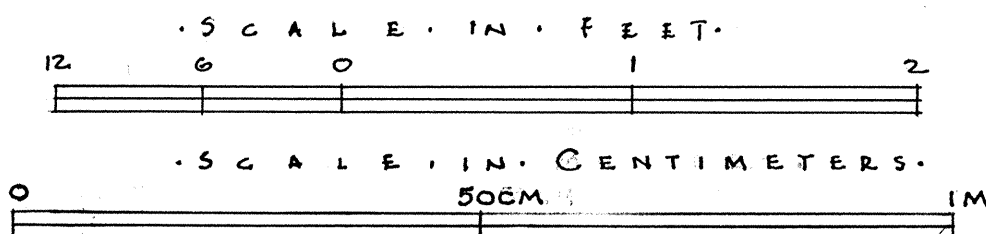
• BRICK NO. 8.
Used as a Moulding Brick in Belfry Arches & to form Arch of Belfry Niches. Also found as capping of exterior clerestory ledge...



• BRICK NO. 9.
This brick is used to complete arch on North Elevation of Belfry.

SCHEDULE OF BRICK SIZES

SCALE 1 1/2" = 1'-0"



F. A. Eastman, Mens. & Del.
F. D. Nichols, Del.

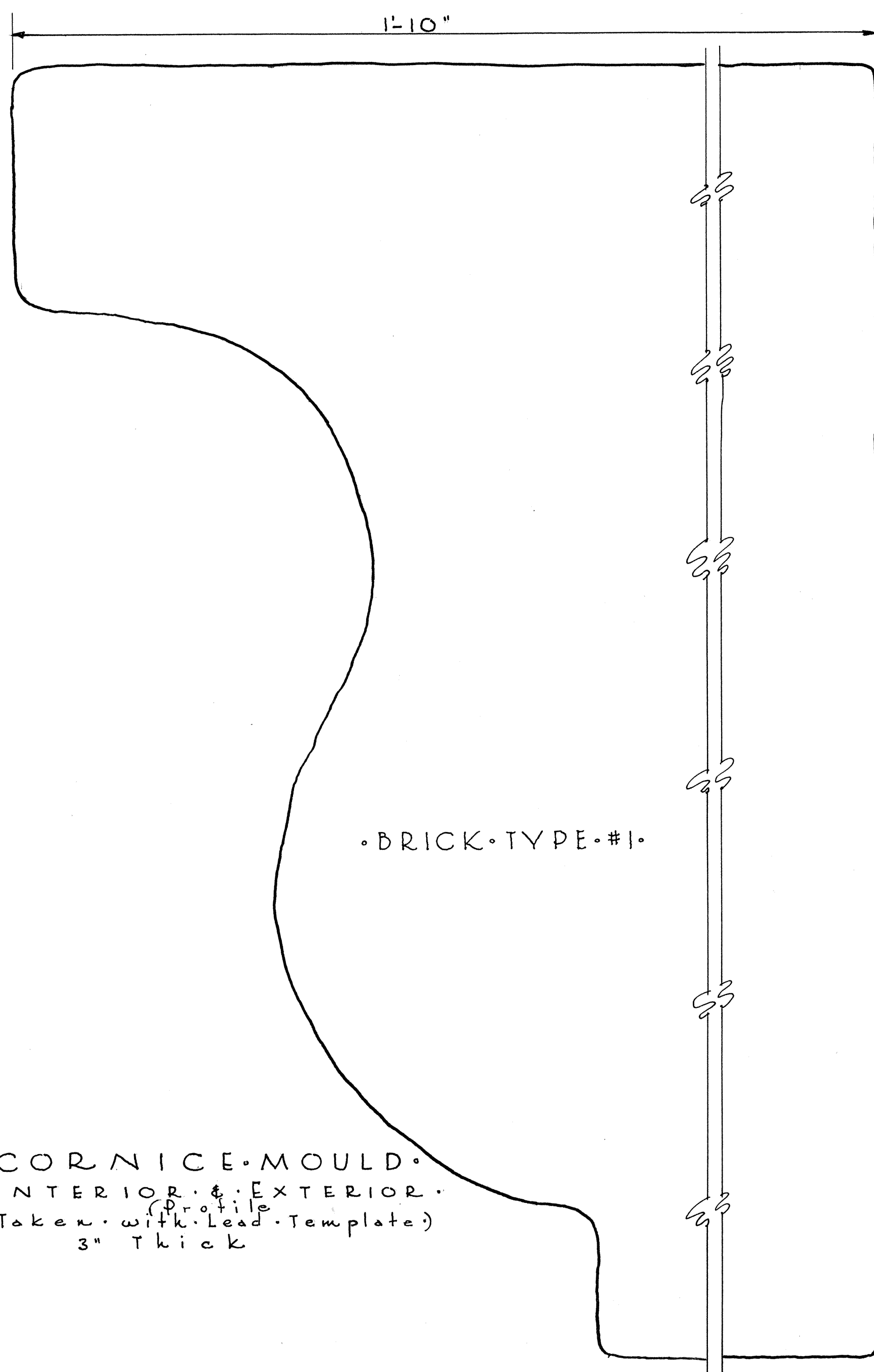
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NAME OF STRUCTURE
• MISSION SAN JOSE DE TUMACACORI •
• NEAR SANTA CRUZ RIVER • SANTA CRUZ COUNTY • ARIZONA •

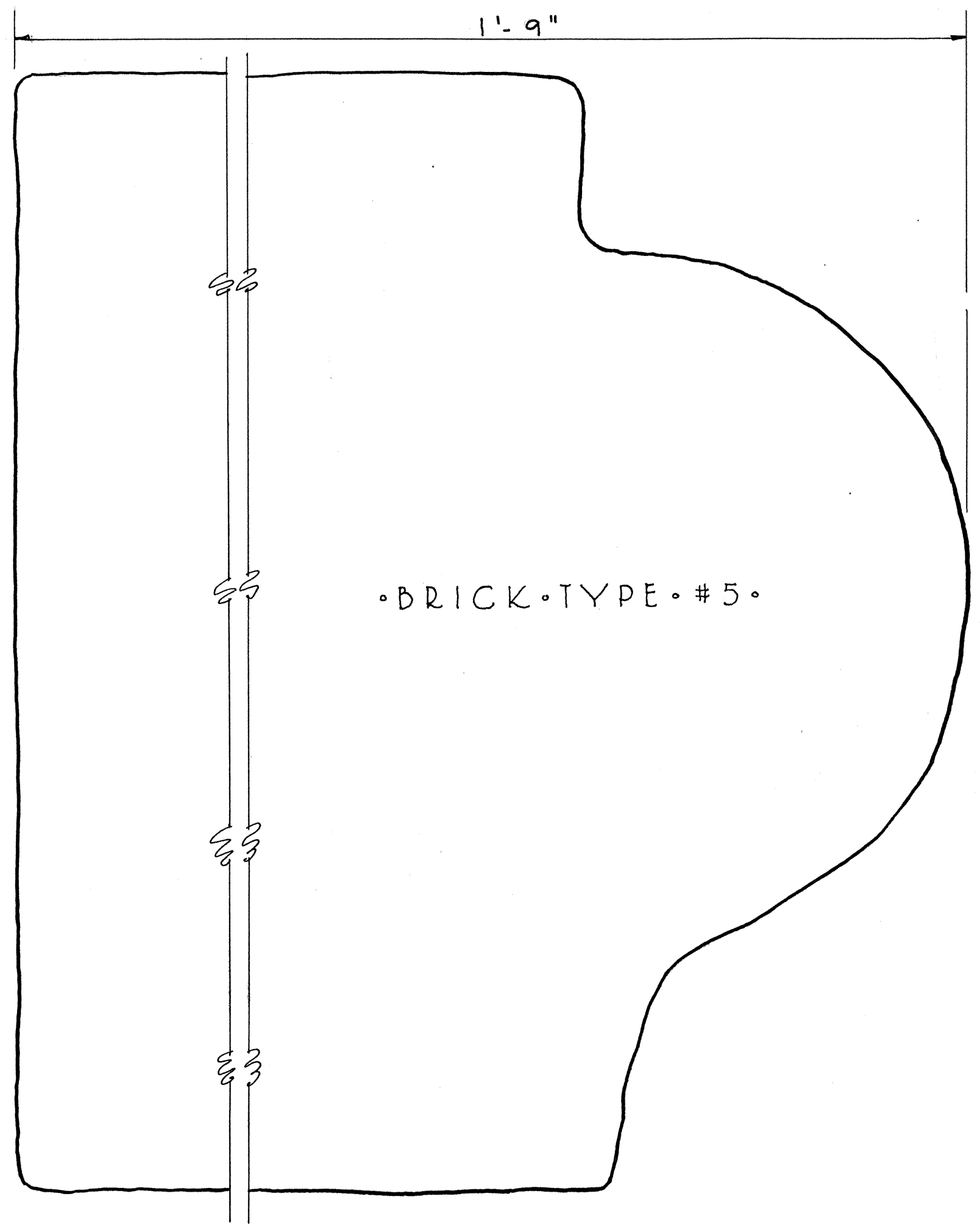
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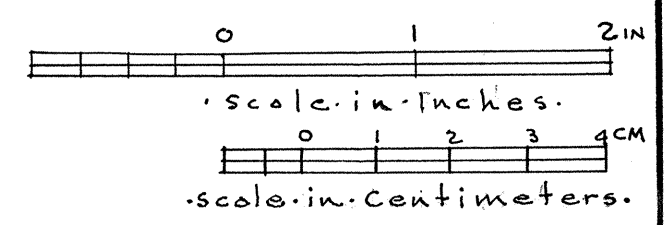


• CORNICE MOULD •
 • INTERIOR & EXTERIOR •
 • Taken with Lead Template •
 (Profile)
 3" Thick



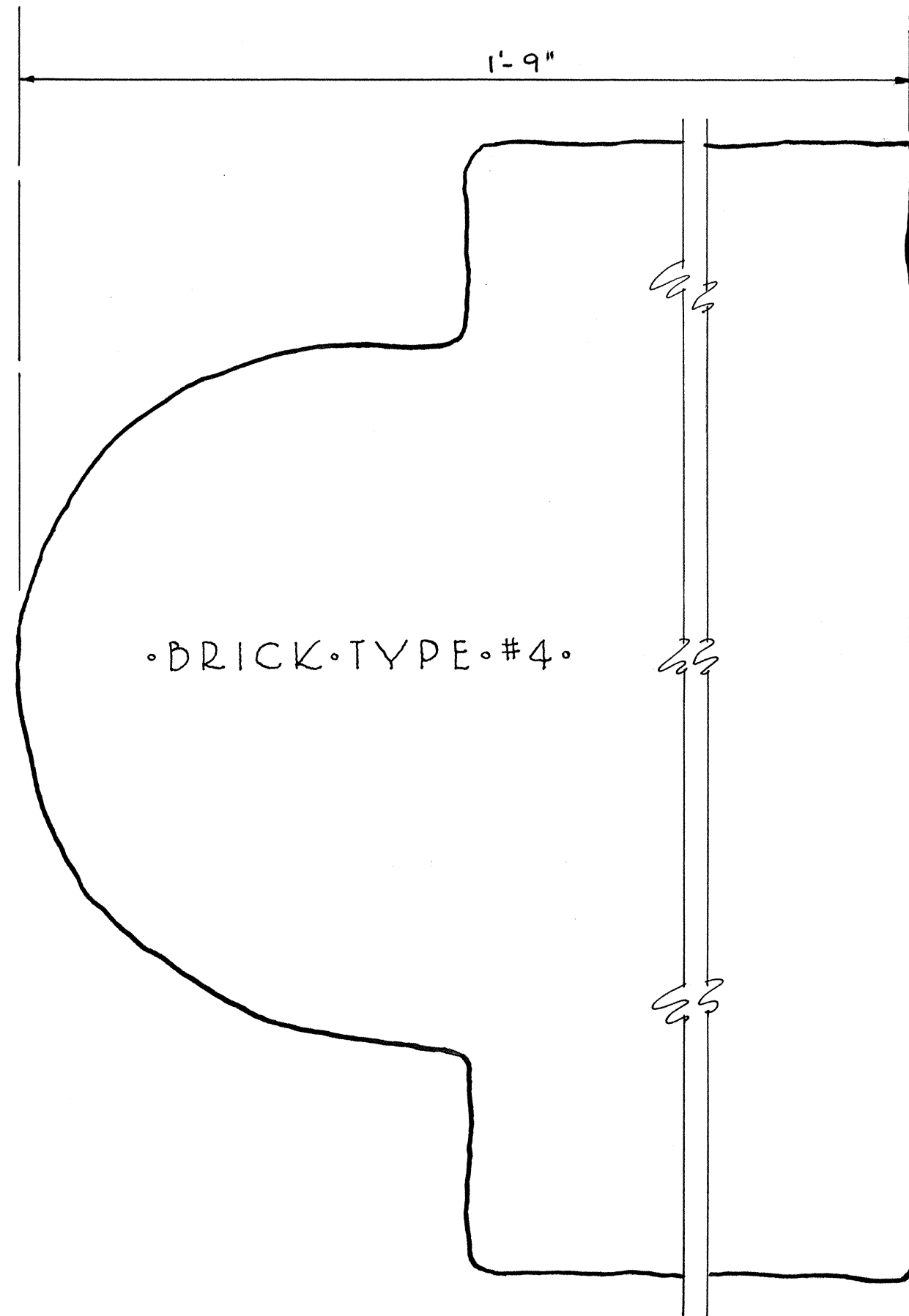
• SILL OF BELFRY ARCHES •
 (Profile Taken with Lead Template)

• FULL SIZE DETAILS BRICK MOULDS •



F.A. Eastman, Mans. & Del.
 F.D. Nichols, Del.

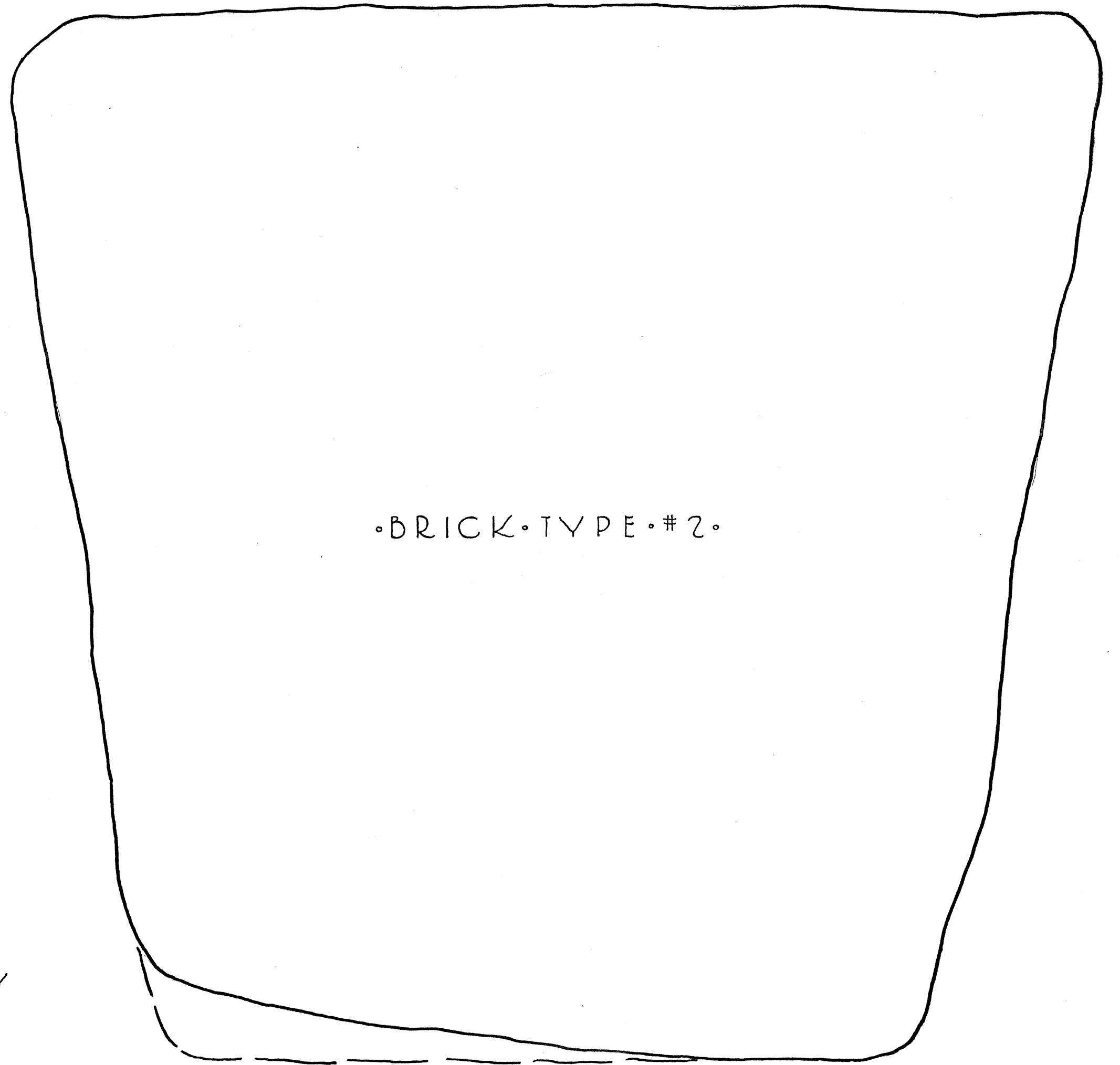




•BRICK•TYPE•#4•

BRICK•CORNER•MOULD
ON•BELFRY
ALSO•USED•FOR•ARCH•ON•BELFRY

3" THICK
PROFILE•TAKEN•WITH•LEAD•TEMPLATE



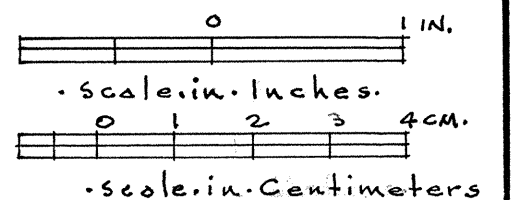
•BRICK•TYPE•#2•

BURNED•BRICK•FOR•SANCTUARY•DOME
&•SACRISTY•VAULT

PROFILE•TAKEN•FROM•RUBBING
3" THICK

•FULL•SIZE•••BRICK•DETAILS•

F. Eastman, Mens. & Del.
F. Nichols, Del.



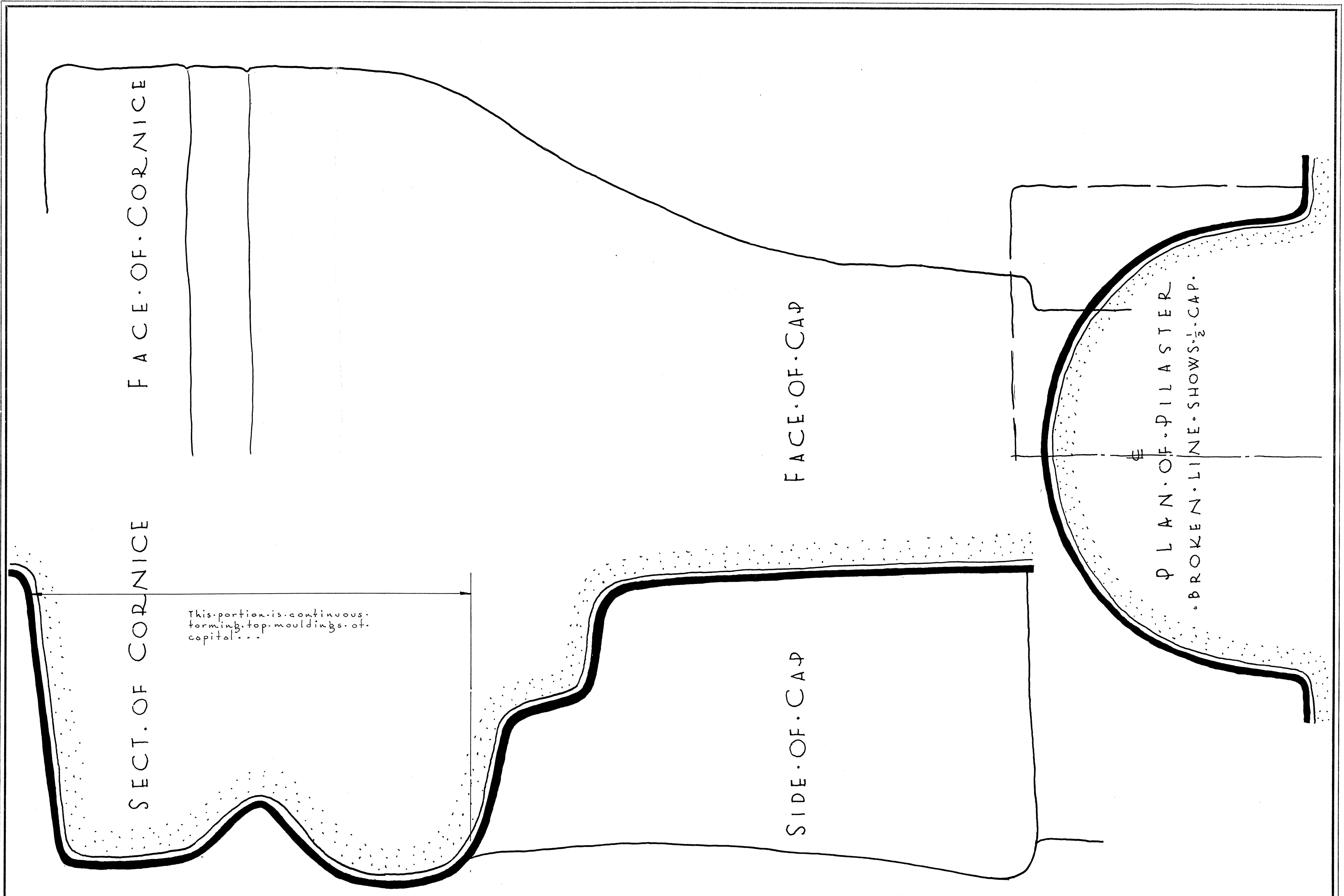
U.S. DEPARTMENT OF THE INTERIOR
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NAME OF STRUCTURE
• MISSION•SAN•JOSE•DE•TUMACACORI•
• NEAR•SANTA•CRUZ•RIVER • SANTA•CRUZ•COUNTY • ARIZONA •

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FULL SIZE DETAILS SOUTH ALTAR WEST SIDE OF NAVE

C. B. McGuire & F. A. Eastman, Mens.
F. A. Eastman & F. D. Nichols, Dels.



Scale in inches.
0 1 2 3 4 in.
Scale in centimeters.
0 1 2 3 4 cm.

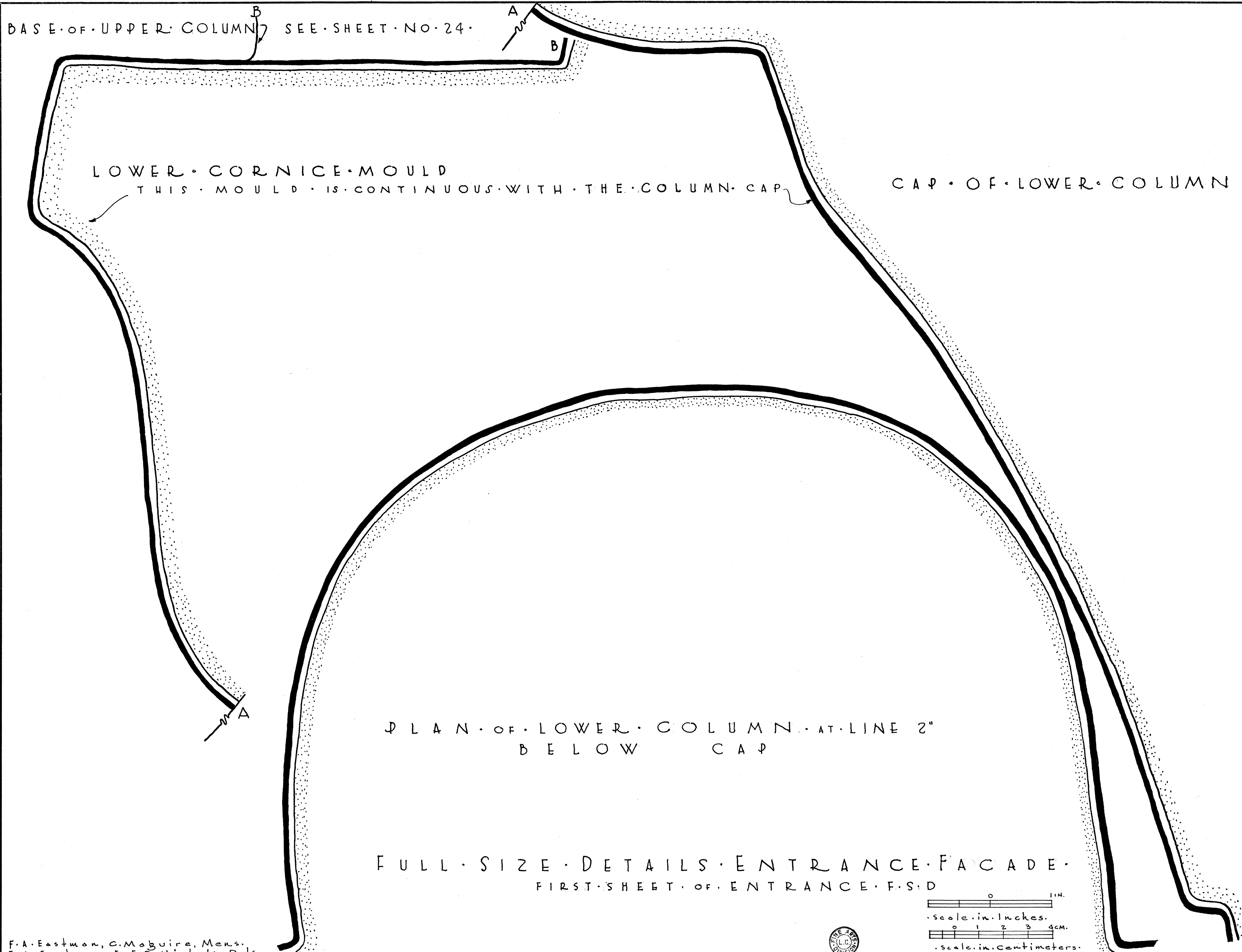
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BASE OF UPPER COLUMN SEE SHEET NO. 24.

LOWER CORNICE MOULD
THIS MOULD IS CONTINUOUS WITH THE COLUMN CAP

CAP OF LOWER COLUMN

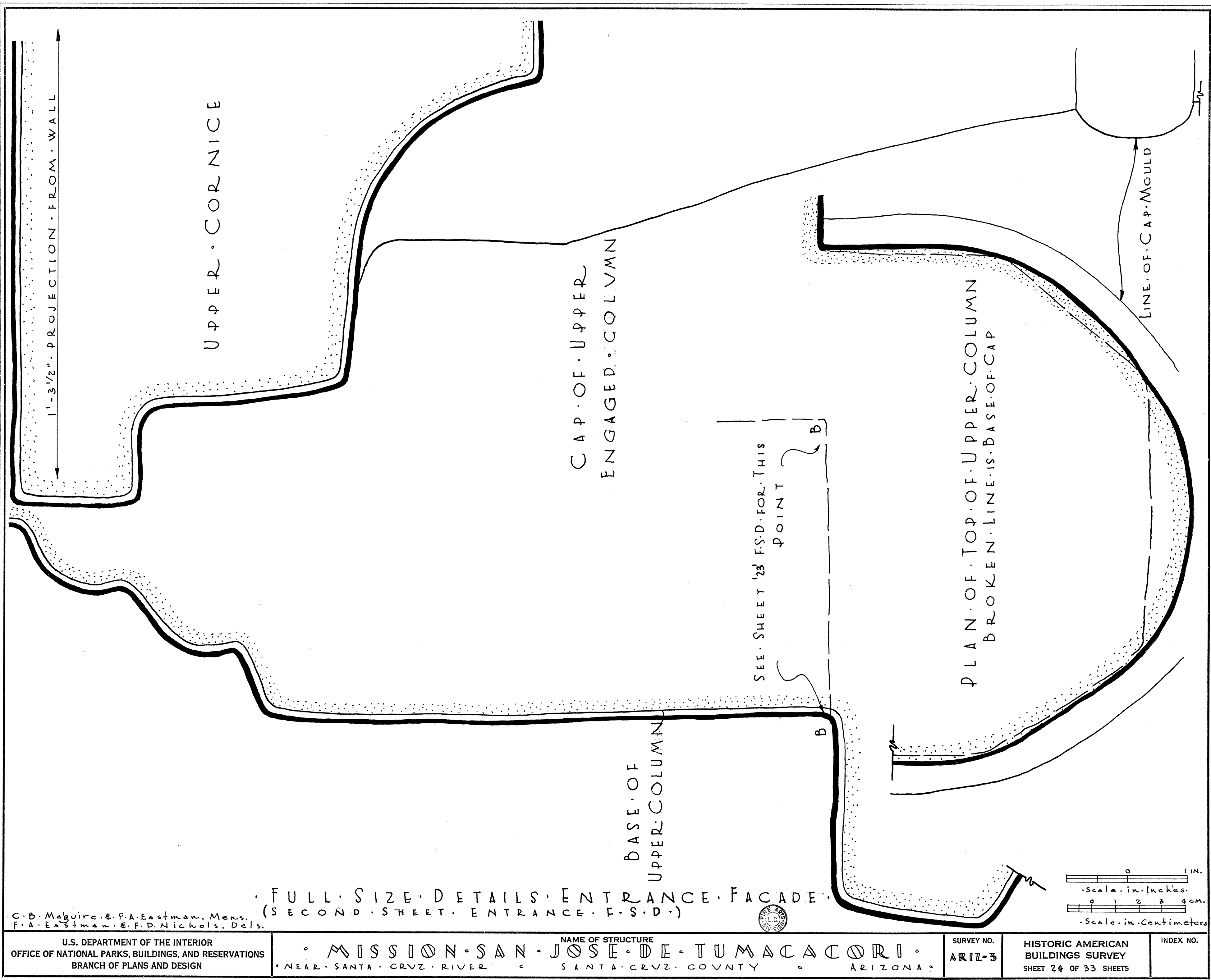
PLAN OF LOWER COLUMN AT LINE 2'
BELOW CAP

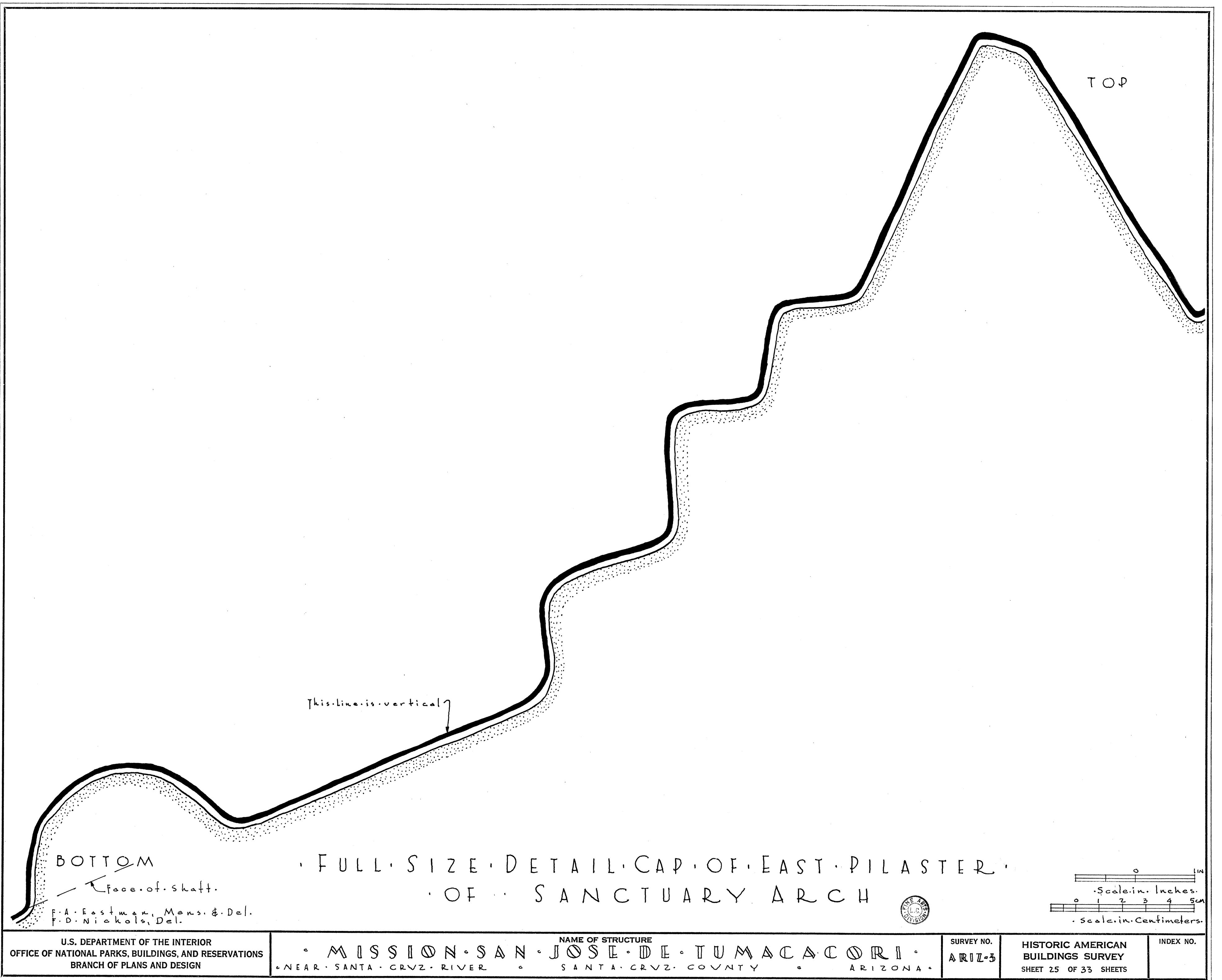
FULL SIZE DETAILS ENTRANCE FACADE
FIRST SHEET OF ENTRANCE F.S.D.

0 1 2 3 4 CM.
scale in. Centimeters.
0 1 2 3 4 IN.
scale in. Inches.

F.A. Eastman, C. M. McGuire, Mens.
F.A. Eastman & F.D. Nichols, Dels.







TOP

This line is vertical

BOTTOM

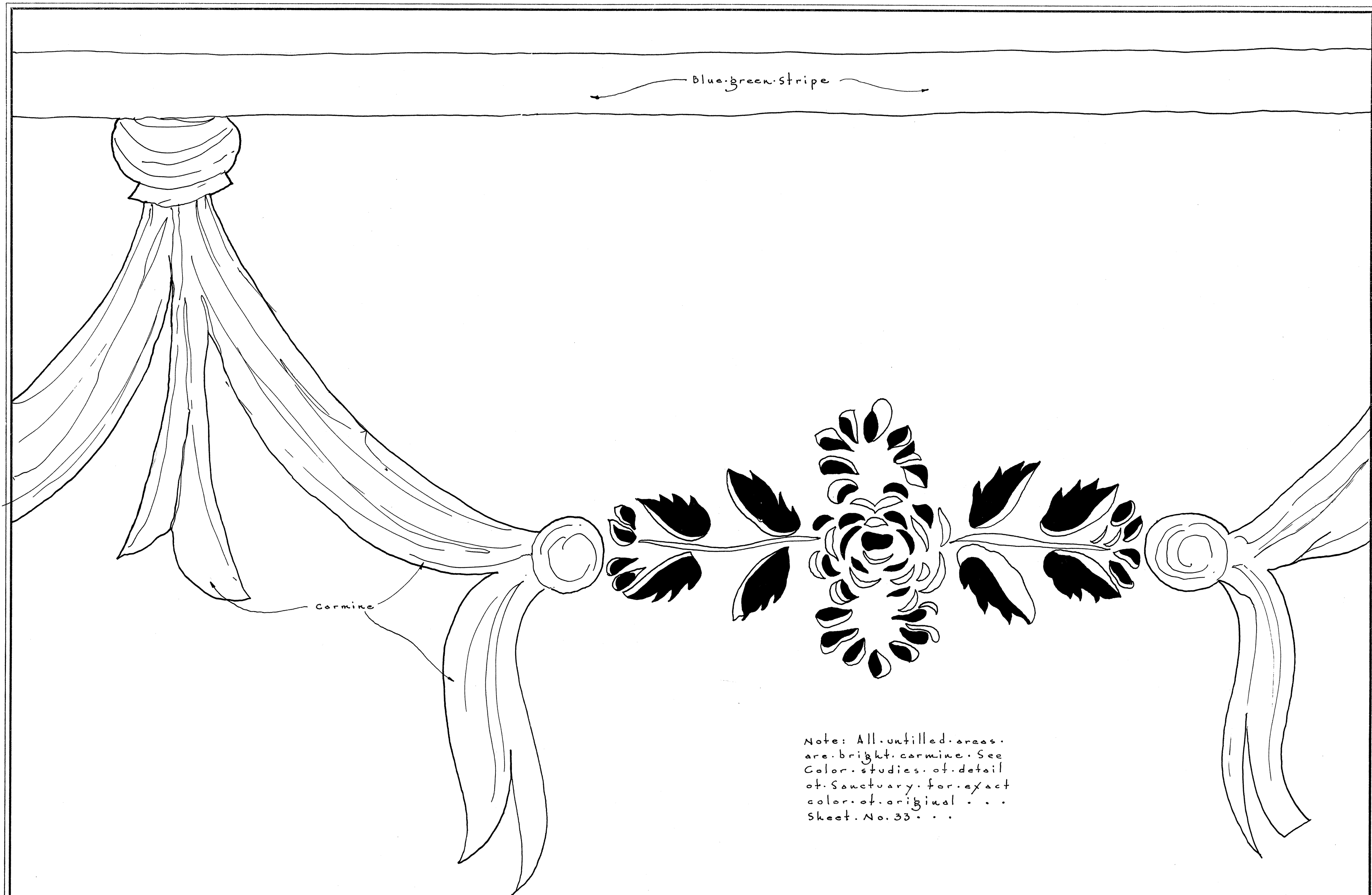
face of shaft

F.A. Eastman, Mens. & Del.
F.D. Nichols, Del.

FULL SIZE DETAIL CAP OF EAST PILASTER
OF SANCTUARY ARCH



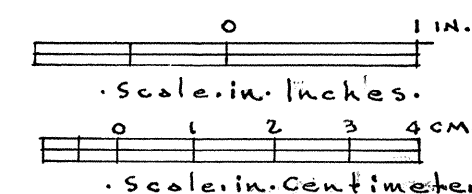
U.S. DEPARTMENT OF THE INTERIOR OFFICE OF NATIONAL PARKS, BUILDINGS, AND RESERVATIONS BRANCH OF PLANS AND DESIGN	NAME OF STRUCTURE MISSION SAN JOSE DE TUMACACORI NEAR SANTA CRUZ RIVER	SANTA CRUZ COUNTY ARIZONA	SURVEY NO. ARIZ-3	HISTORIC AMERICAN BUILDINGS SURVEY SHEET 25 OF 33 SHEETS	INDEX NO. 1/1
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Note: All untilled areas
are bright carmine. See
Color studies of detail
of Sanctuary for exact
color of original . . .
Sheet No. 33 . . .

• FULL • SIZE • DETAIL • OF • STENCIL • DECORATION •
• IN • SANCTUARY •

C. McGuire, Mens.
F. Nichols, Del.



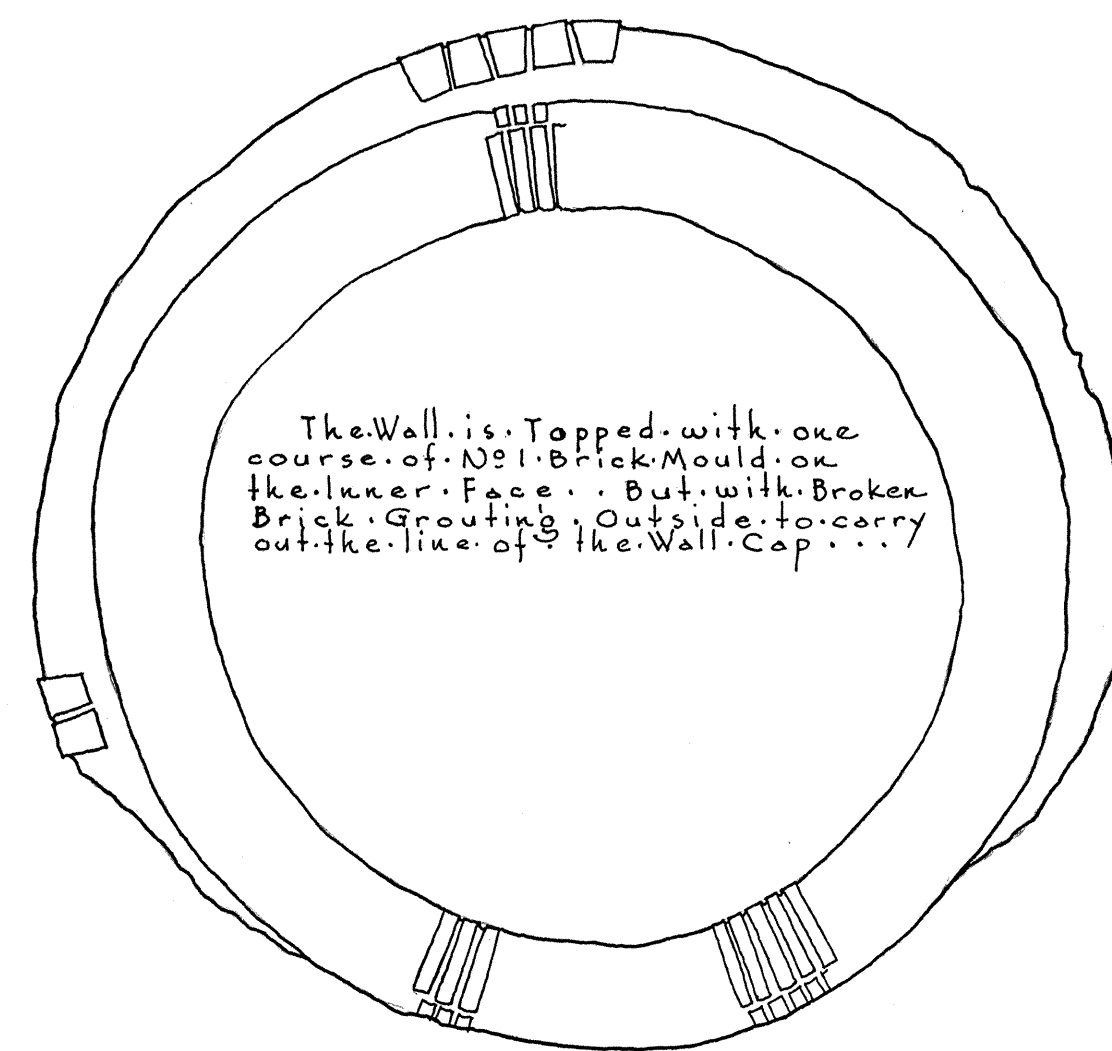
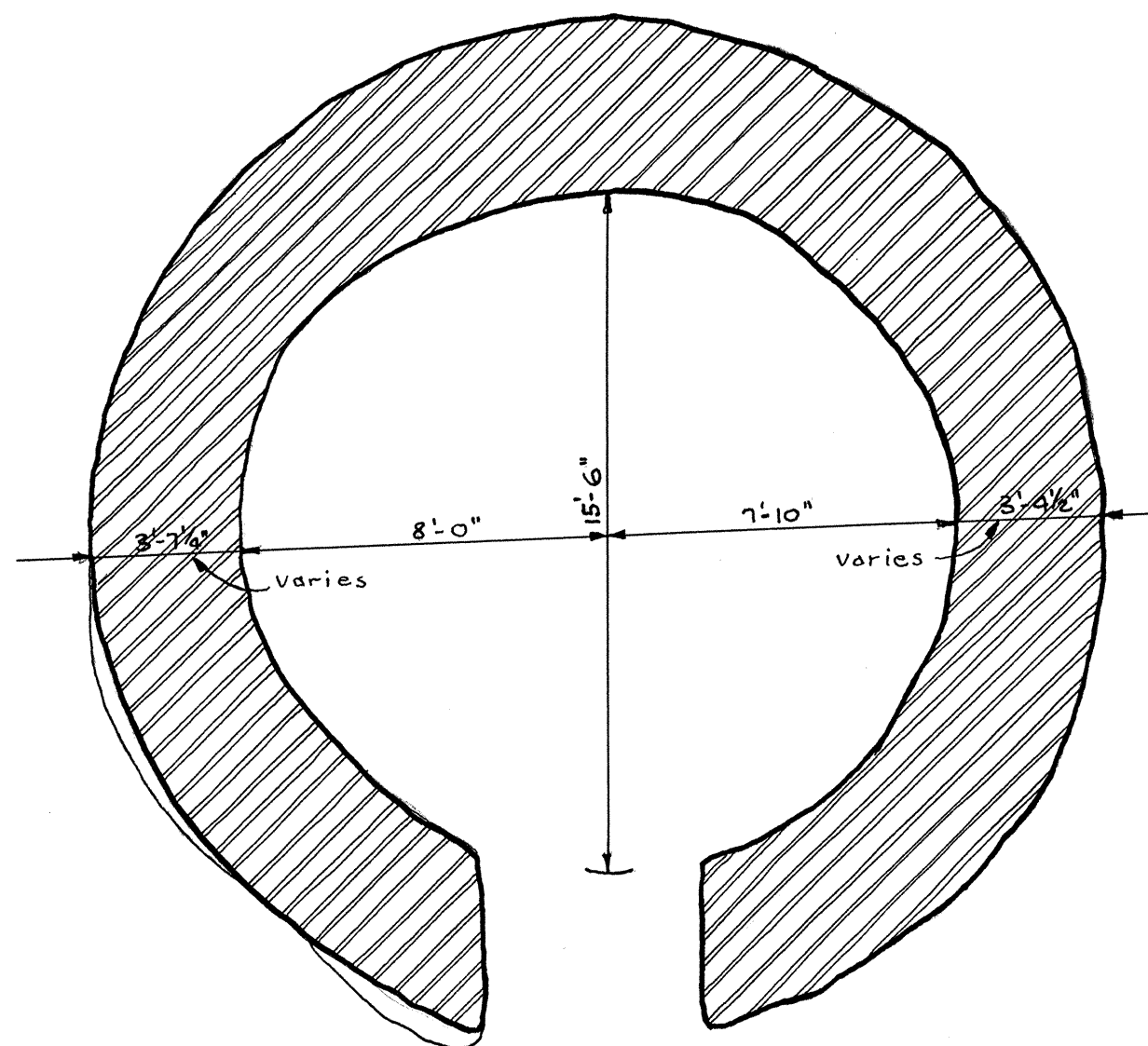
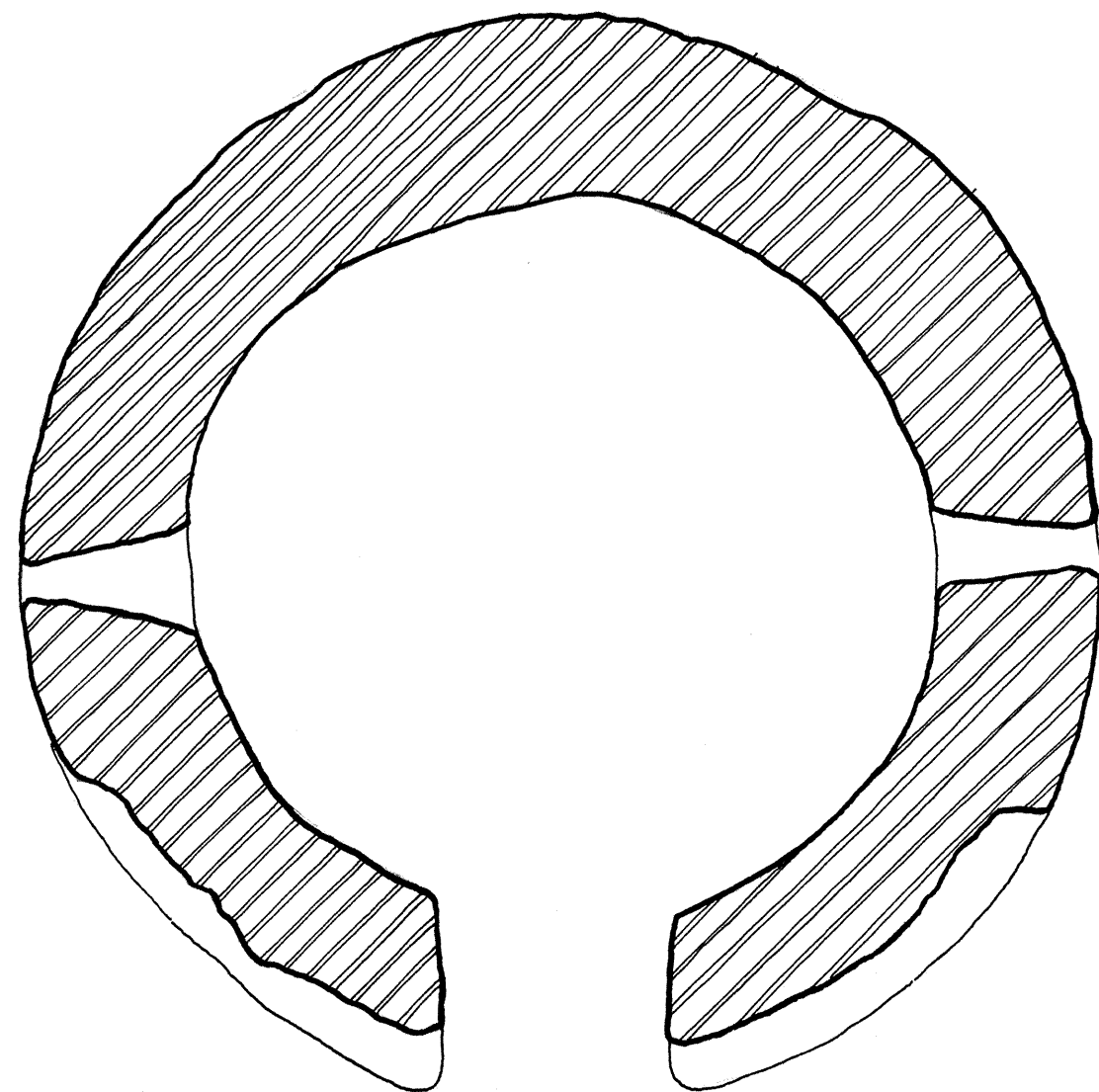
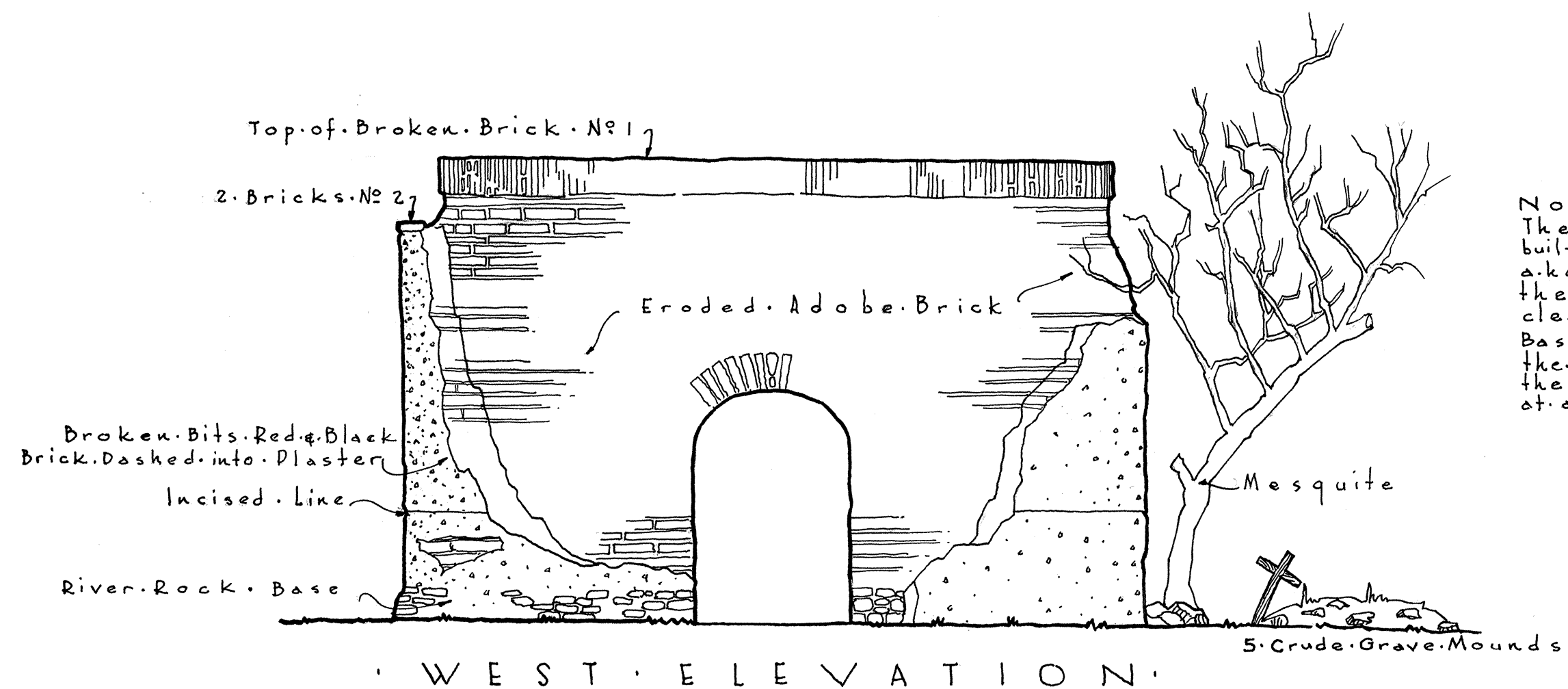
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PLAN AT WINDOW LINE

PLAN AT FLOOR LINE

PLAN AT TOP OF WALL

PLAN & ELEVATION OF MORTUARY CHAPEL

Scale 1/4" = 1'-0"

C. B. Maguire & F. A. Eastman - Mens.
F. A. Eastman & F. D. Nichols - Dels.

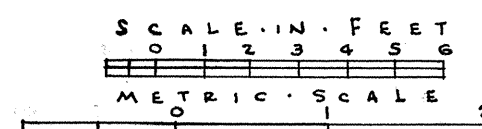
U.S. DEPARTMENT OF THE INTERIOR
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BRANCH OF PLANS AND DESIGN

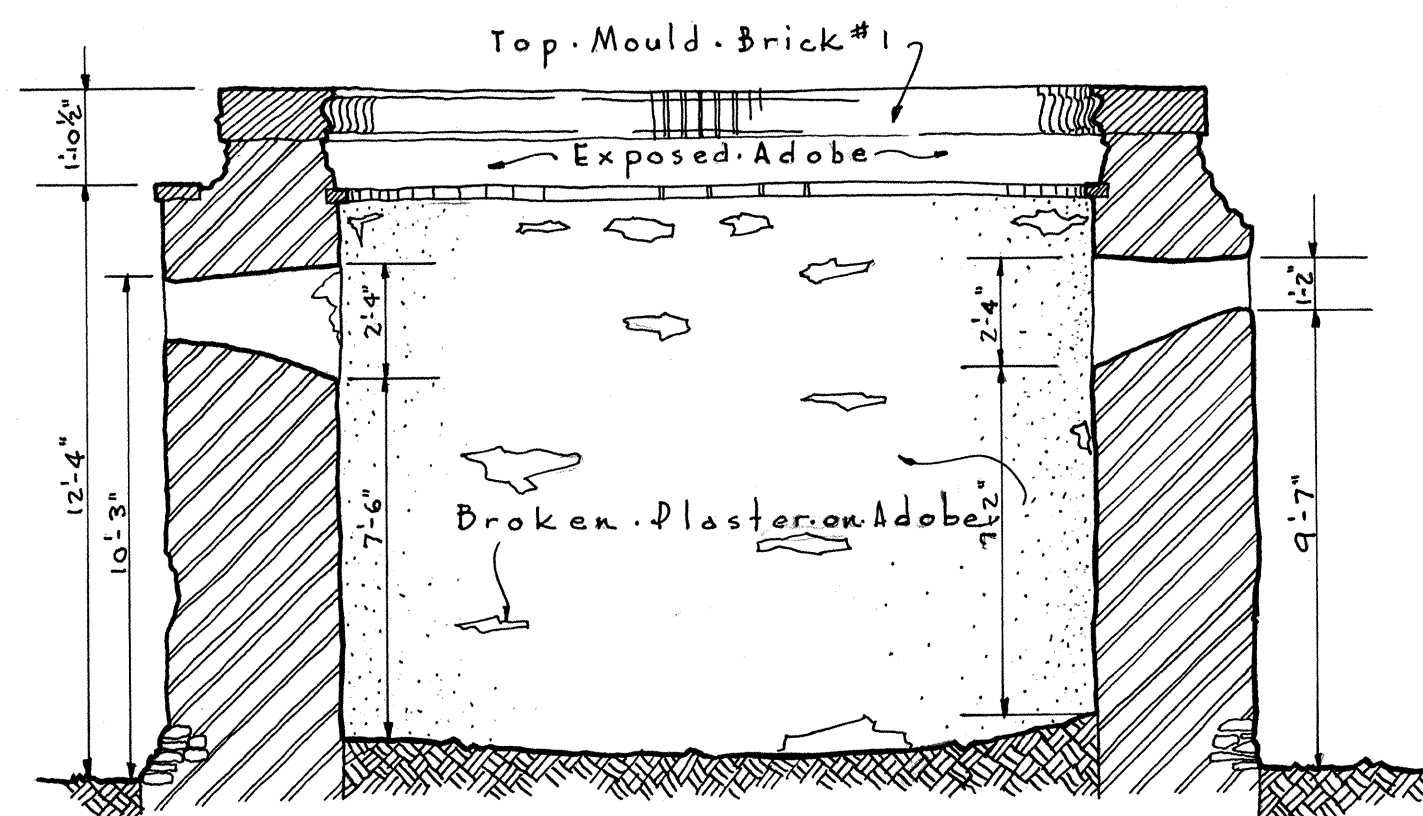
NAME OF STRUCTURE
MISSION - SAN JOSE DE TUMACACORI
NEAR SANTA CRUZ RIVER
SANTA CRUZ COUNTY
ARIZONA

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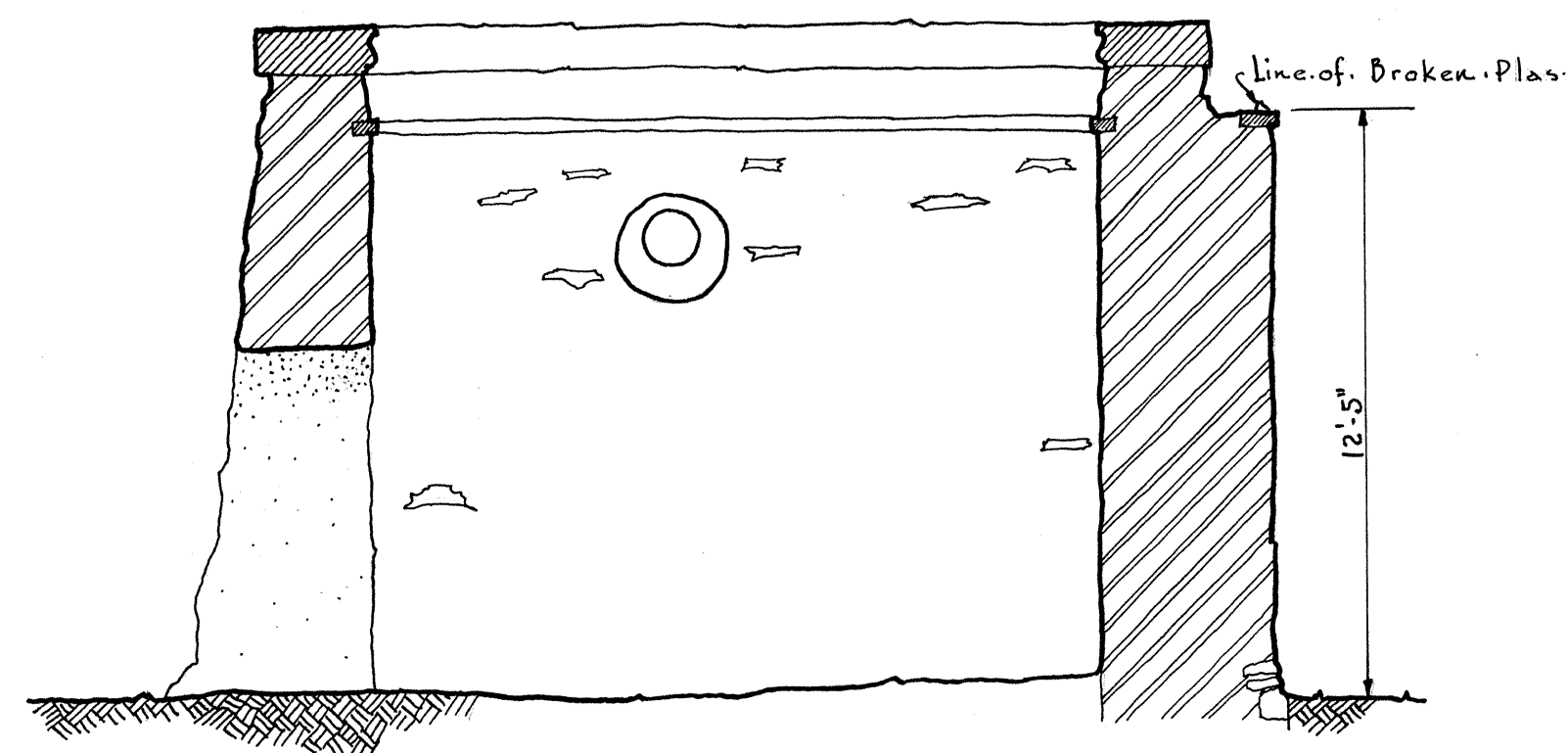
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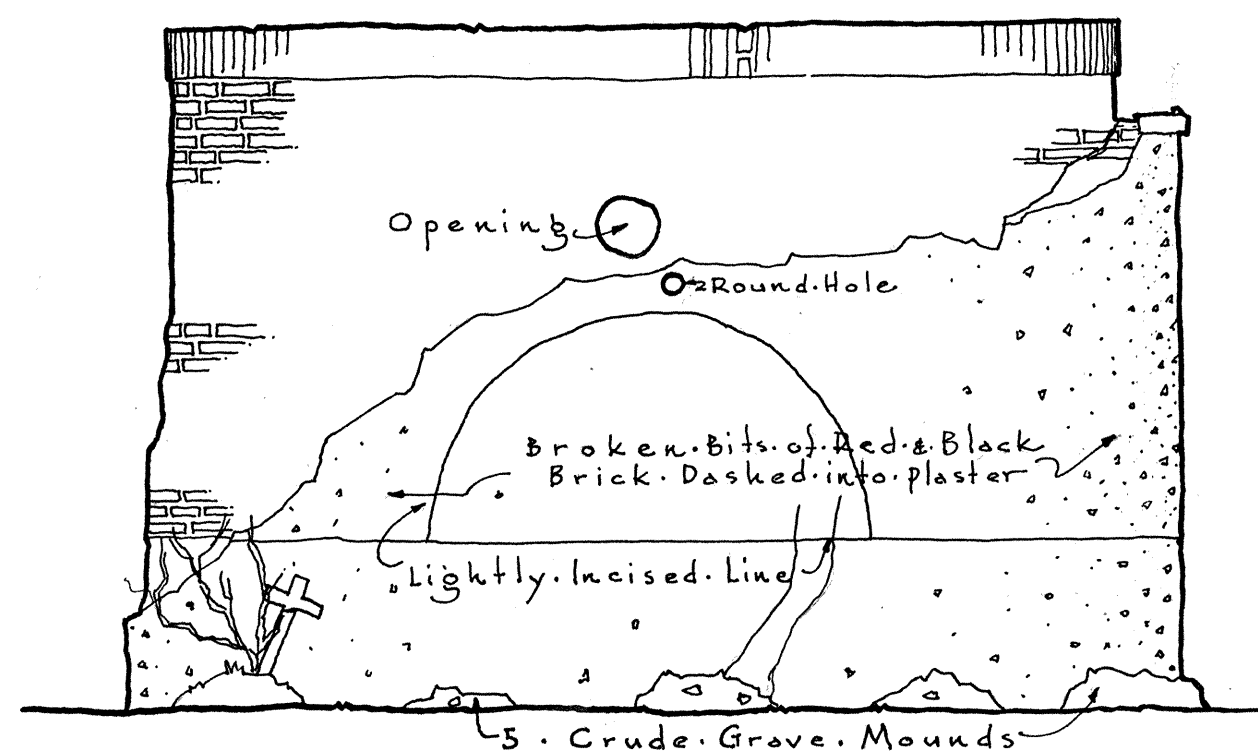




· SECT · ON · ♀ · LOOKING · EAST ·



· SECT · ON · ♀ · LOOKING · NORTH ·



· SOUTH · ELEVATION ·

ELEVATION & SECTION OF MORTUARY CHAPEL

SCALE 1/4" = 1'-0"

C.B. Maguire & F.A. Eastman, Mens.
F.A. Eastman & F.D. Nichols, Del.



SCALE IN FEET
0 1 2 3 4 5 6 7
METRIC SCALE
0 1 2m

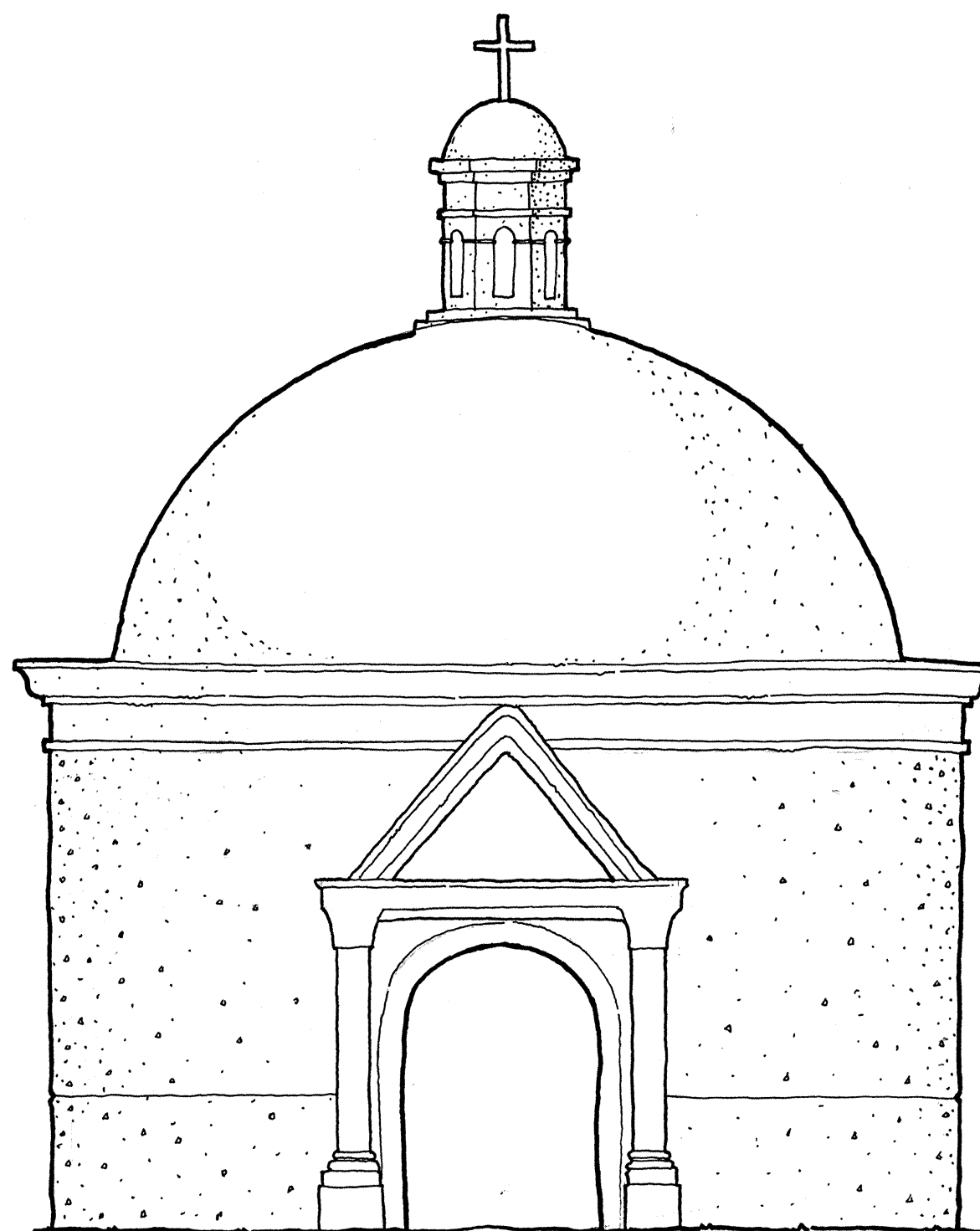
U.S. DEPARTMENT OF THE INTERIOR
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NAME OF STRUCTURE
· MISSION · SAN · JOSE · DE · TUMACACORI ·
· NEAR · SANTA · CRUZ · RIVER · SANTA · CRUZ · COUNTY · ARIZONA ·

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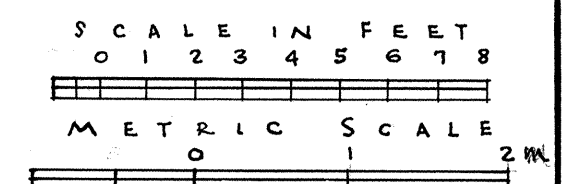
• SUGGESTED •
• RESTORATION • DRAWING •

The Doorway is suggested here by the protuberance of the curve at the left side of door jamb. The moulds & pilasters are restored from those on the south facade of the church. . . . Broken bits of plaster on the cap-mould on the east face of the chapel which show the beginning of an upward curve, as well as the use of broken brick fill on the outer face of the moulded brick would indicate the presence of a . . . Dome . . .

• Cupola is conjectural.

• THE MORTUARY CHAPEL •

F. A. Eastman & F. D. Nichols, Dels.



U.S. DEPARTMENT OF THE INTERIOR
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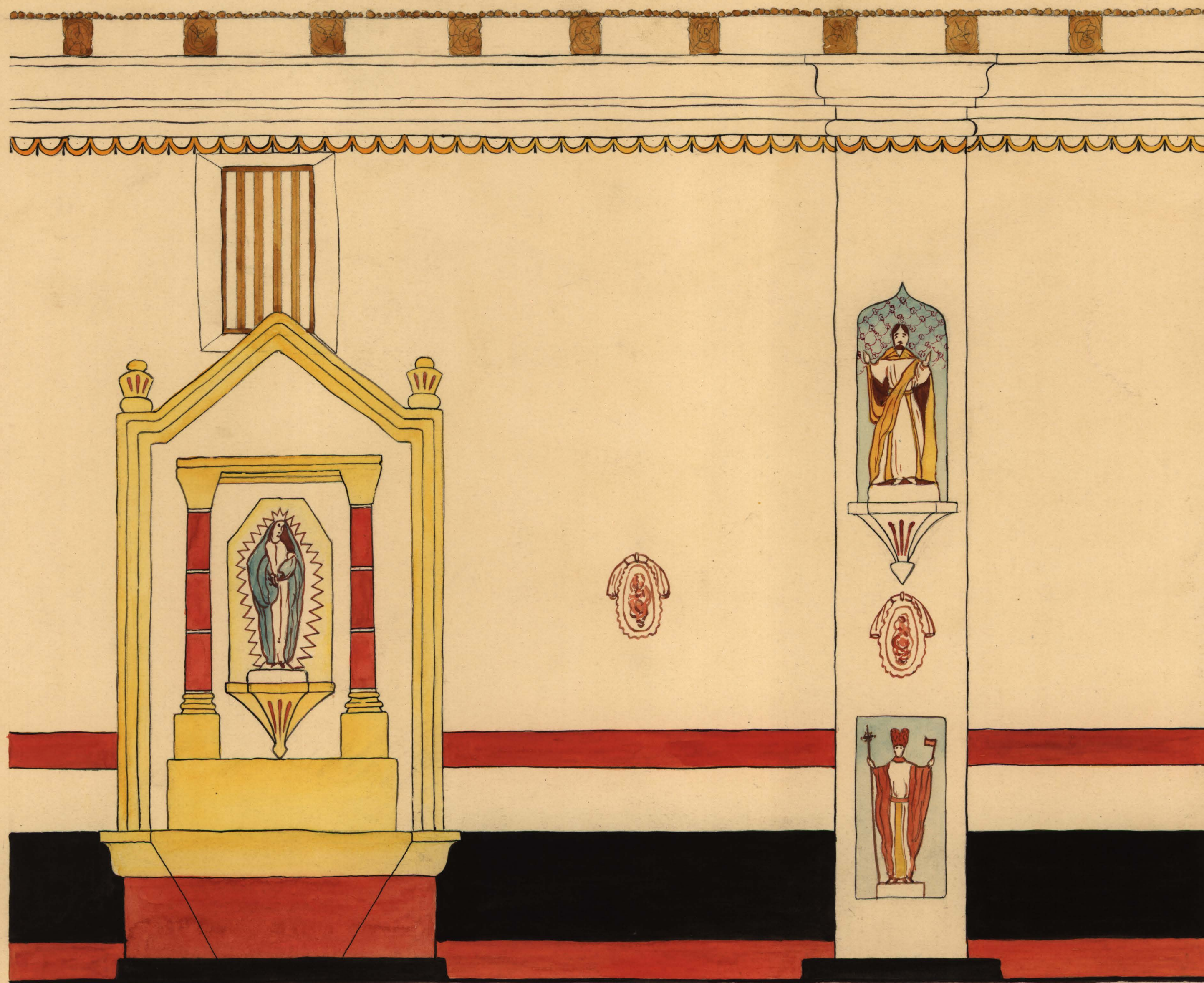
NOTE: This drawing is an
architectural restoration
showing former polychrome
decoration...



• DETAIL OF THE SOUTH FACADE •
scale: 1/2" = 1'-0"

Frederick Nichols, Delt.

Scale in Feet
0 1 2
100cm 50cm 1m
Scale in Centimeters

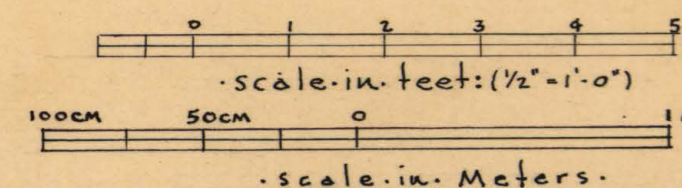


· THE · WEST · ELEVATION · OF · NAVE ·
· DETAIL · SHOWING · SIDE · ALTAR · AND · PIER ·

scale: (1/2" = 1'-0")

NOTE: This drawing is an architectural restoration
showing former polychrome decoration --
Refer to sheets 14 & 15.

Frederick Nichols, Mens & Delt.



U.S. DEPARTMENT OF THE INTERIOR
OFFICE OF NATIONAL PARKS, BUILDINGS, AND RESERVATIONS
BRANCH OF PLANS AND DESIGN

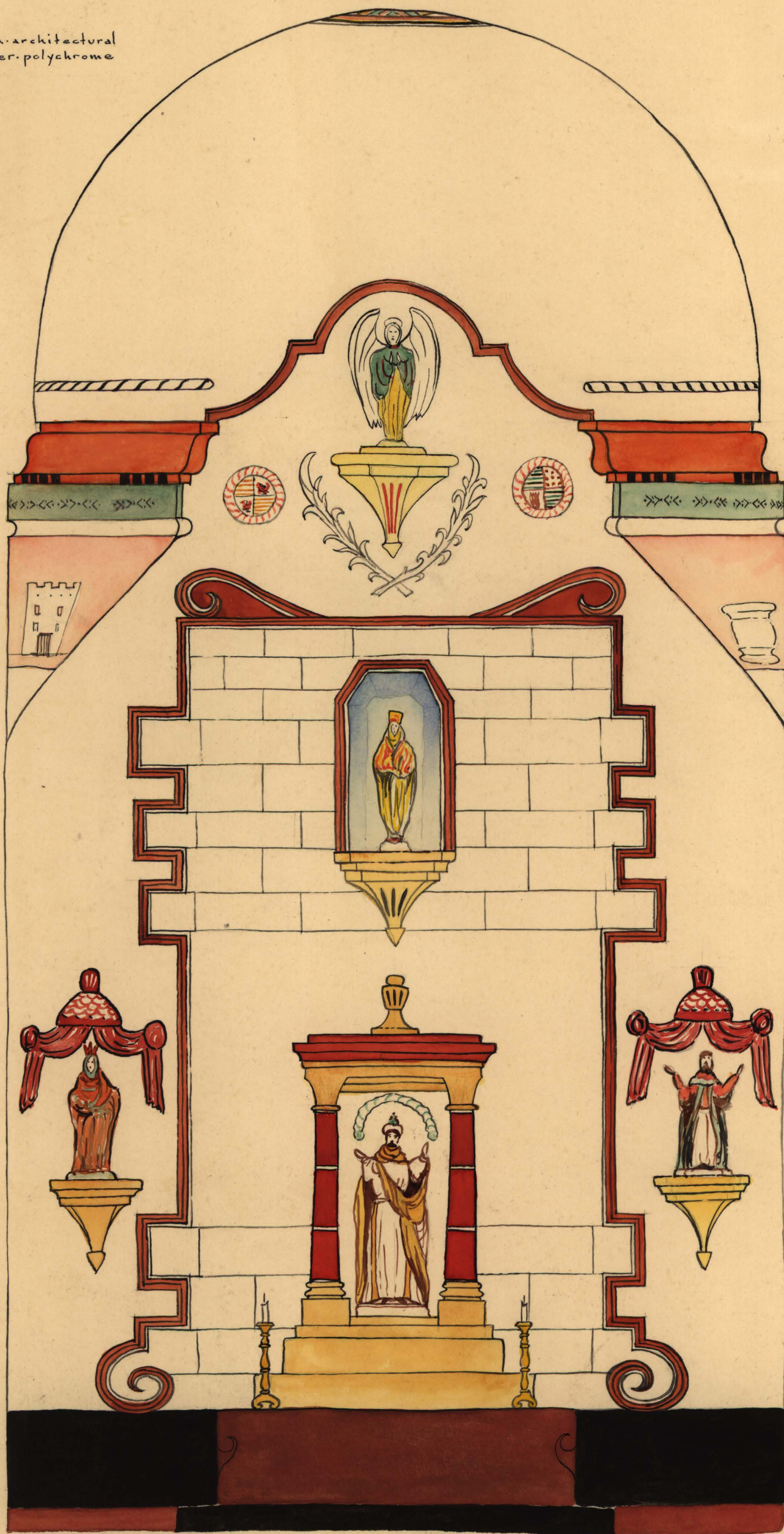
· MISSION · SAN · JOSE · DE · TUMACACORI ·
ON · SANTA · CRUZ · RIVER · SANTA · CRUZ · COUNTY · ARIZONA ·

SURVEY NO.
ARIZ-3

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 31 OF 33 SHEETS

INDEX NO.

NOTE: This drawing is an architectural restoration showing former polychrome decoration....



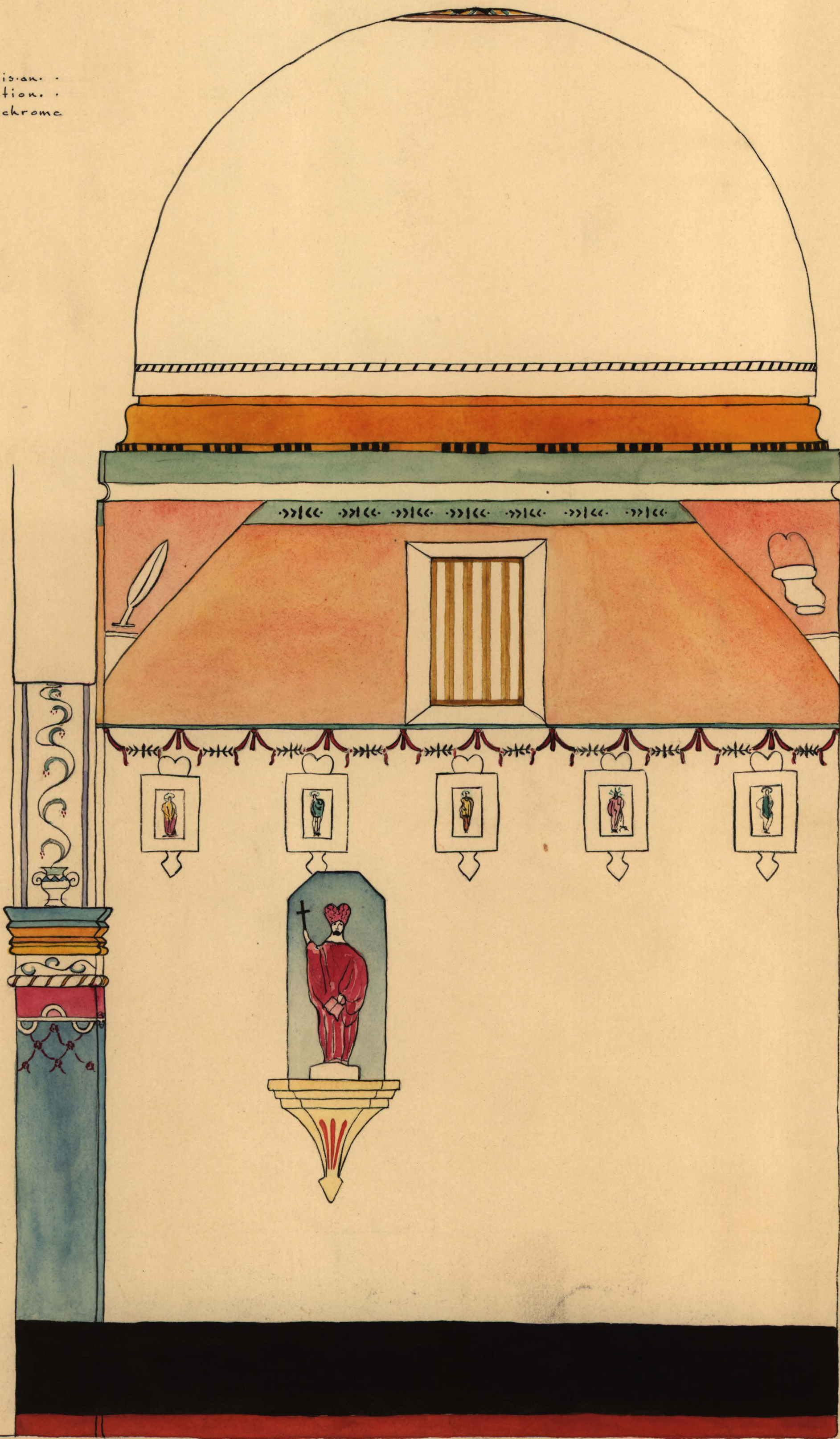
•DETAIL OF SANCTUARY SHOWING ALTAR•

Scale: 1/2" = 1'-0"
Refer to Sheet # 11.

Frederick Nichols, Mens. & Delt.

0 1 2
Scale in Feet
100CM 50CM 1M
Scale in Centimeters

NOTE: This drawing is an
architectural restoration
showing former polychrome
decoration . . .

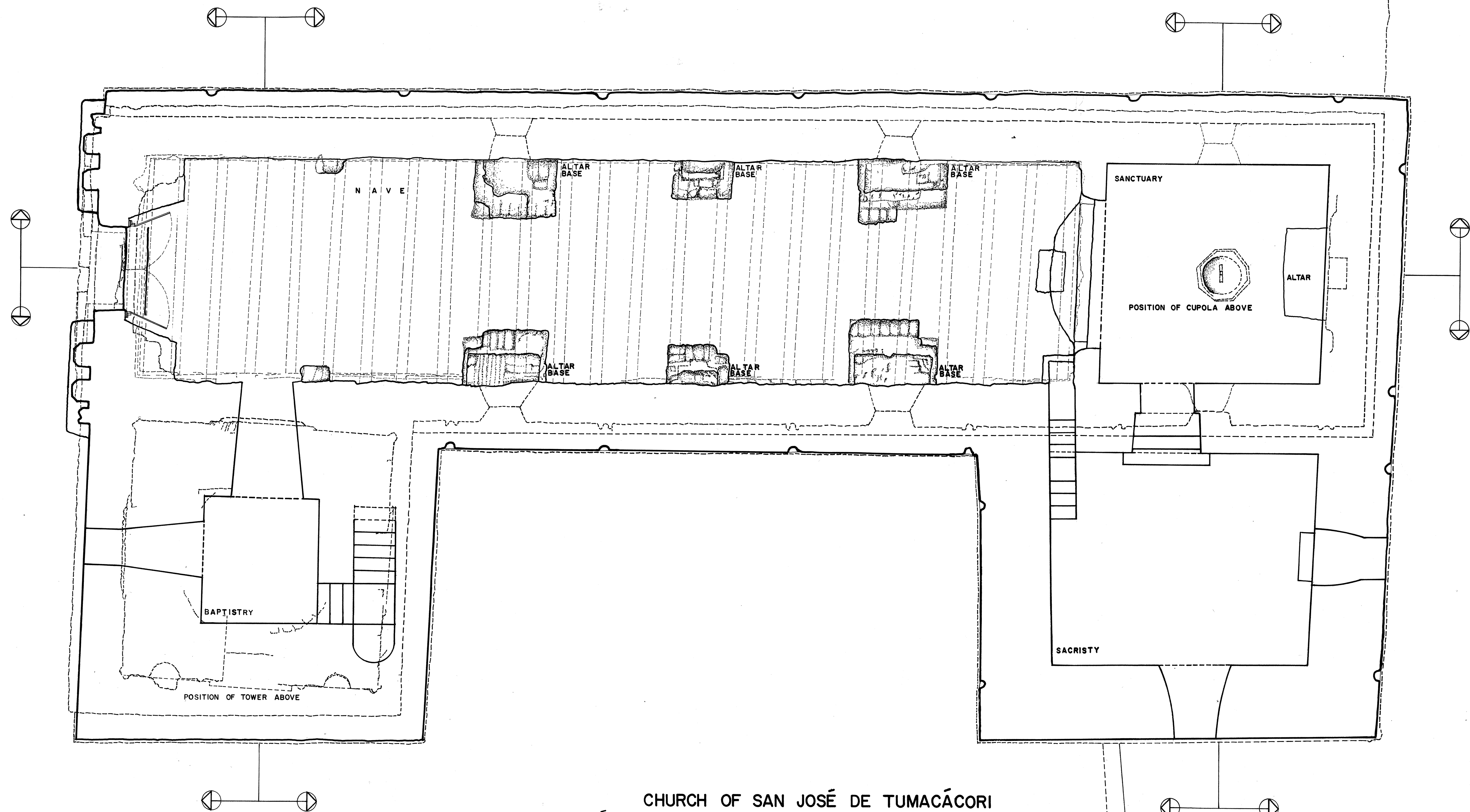


•DETAIL OF WEST WALL OF SANCTUARY•

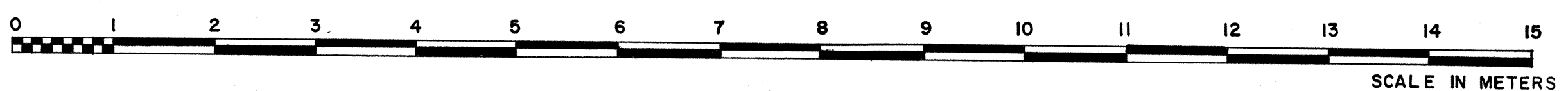
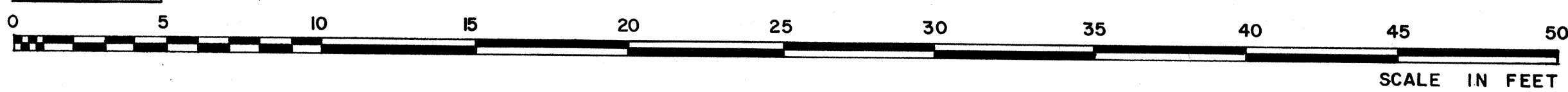
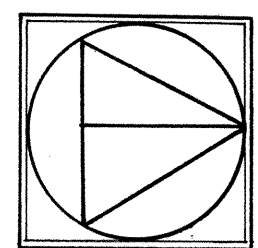
Scale: 1/2" = 1'-0"

Scale in Feet
100 50 0 1 M
Scale in Centimeter

Frederick Nichols, Mens. & Delt.



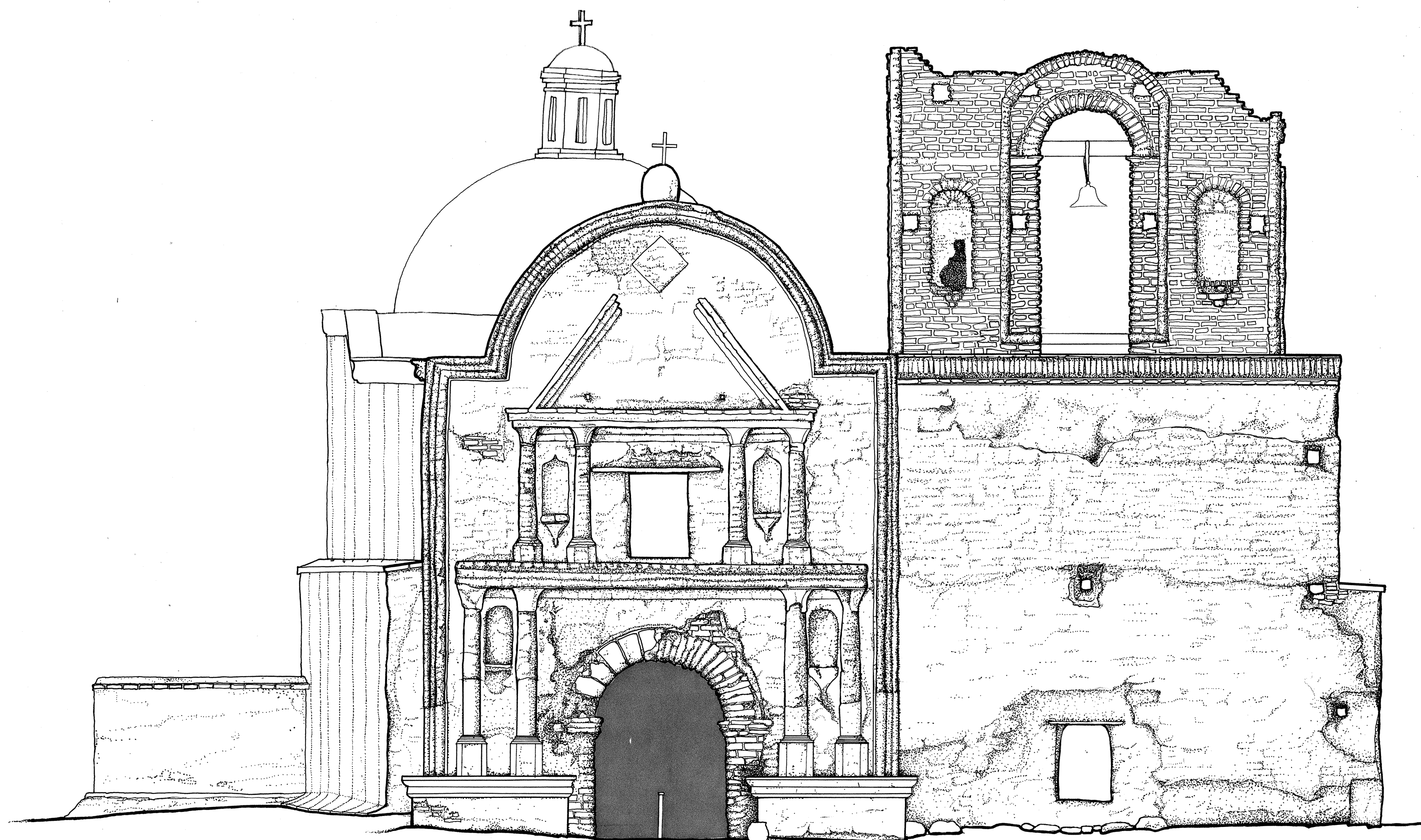
FLOOR PLAN



CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

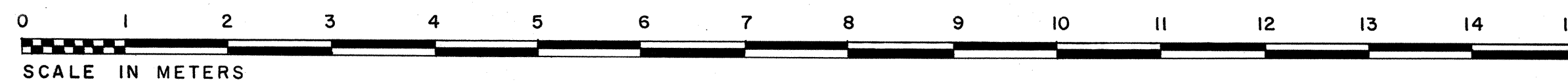
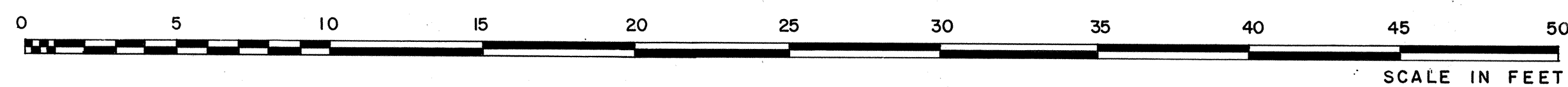
PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
WITH GALILEO-SANTONI PHOTO THEODOLITE #0006 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M.S.A. ELGHAZALI.
DELINEATION BY SUMONTA JARUPAN

DOOR
DISINTEGRATING
WALLS
MODERN ROOF



**SOUTH (FRONT) ELEVATION – CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT – SANTA CRUZ COUNTY, ARIZONA**

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20 – 22, 1975
WITH GALILEO-SANTONI PHOTO THEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. ELGHAZALI.
DELINEATION BY HUGO MARIO ROMERO-RAMIREZ, MARCH 1976



DRAWN BY: HUGO MARIO ROMERO – RAMIREZ

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNITED STATES DEPARTMENT OF THE INTERIOR

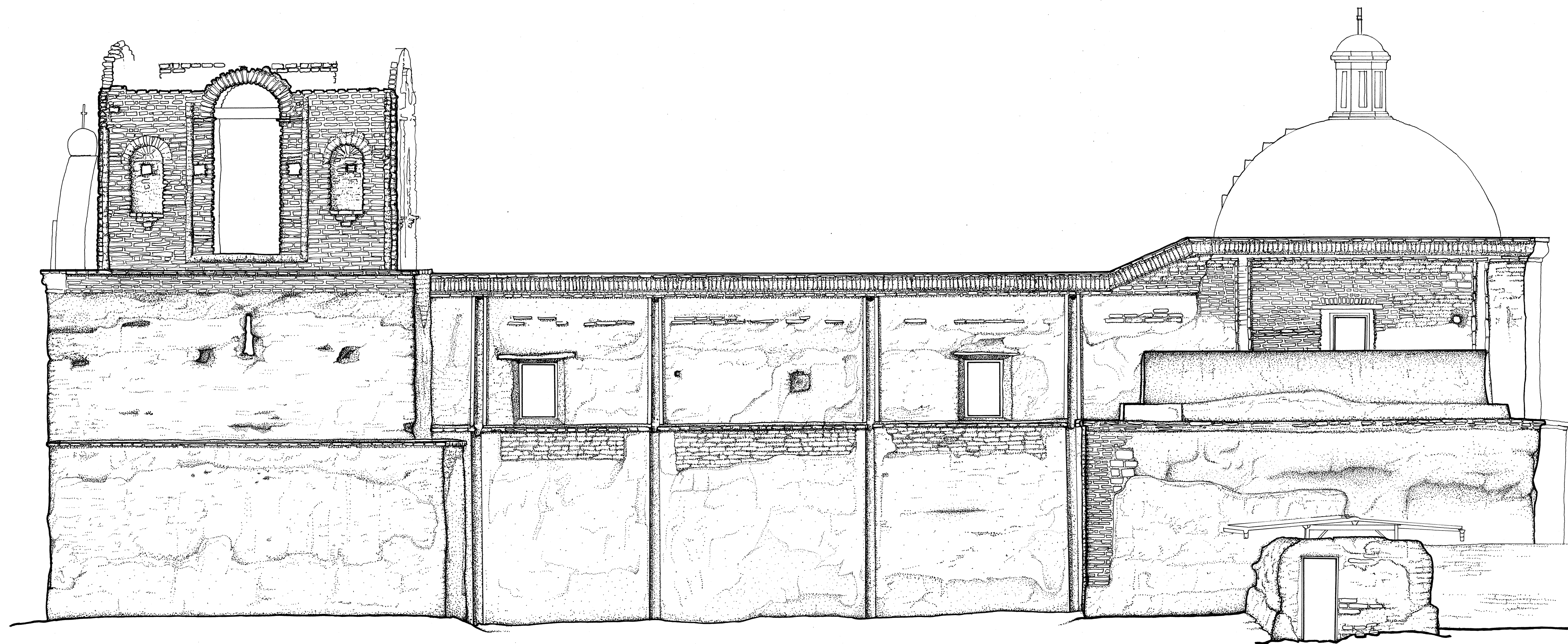
NAME AND LOCATION OF STRUCTURE
CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT – SANTA CRUZ COUNTY, ARIZONA

SURVEY NO.
AZ-3

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 2 OF 11 SHEETS

LIBRARY OF CONGRESS
HARVEY J. KATZ

ADDENDUM



**EAST ELEVATION — CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA**

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
WITH GALILEO-SANTONI PHOTOHEDOLITE # 00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. ELGHAZALI.
DELINEATION BY HUGO MARIO ROMERO-RAMIREZ, MARCH 1976

0 5 10 15 20 25 30 35 40 45 50
SCALE IN FEET

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
SCALE IN METERS

DRAWN BY: HUGO MARIO ROMERO-RAMIREZ

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNIVERSITY OF ARIZONA
UNIVERSITY OF ARIZONA DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA

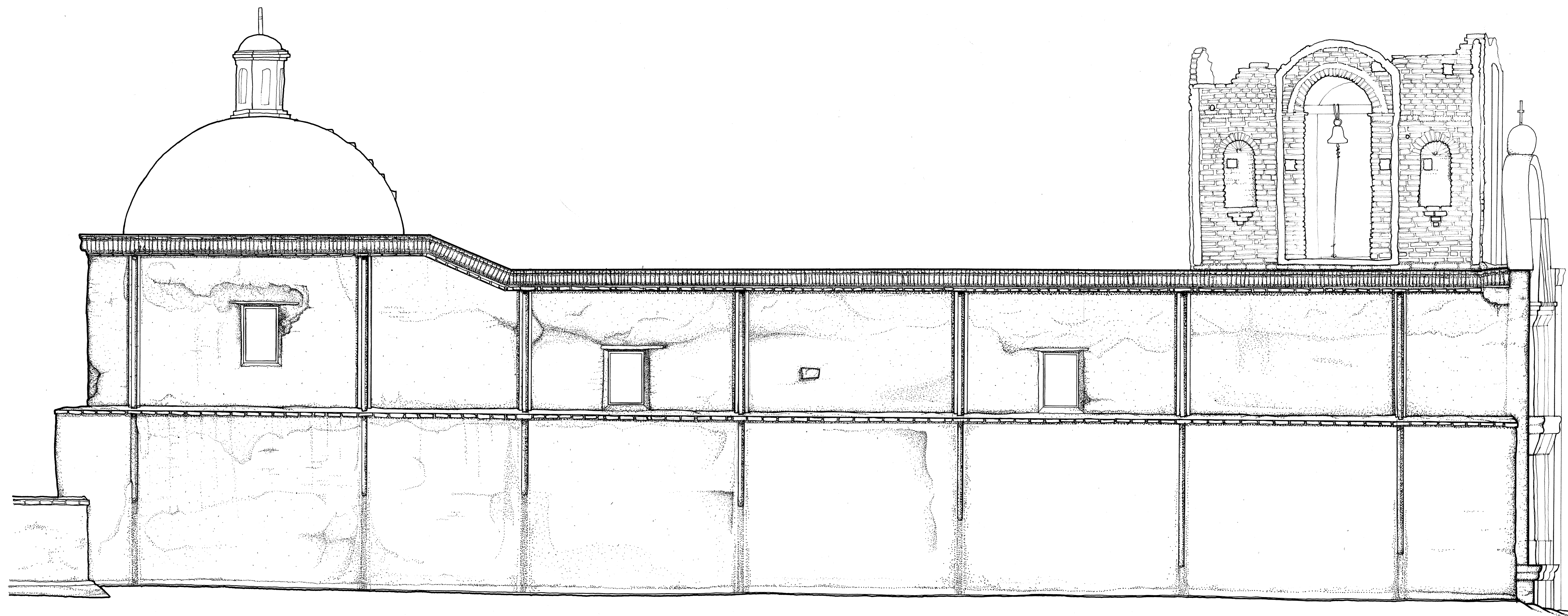
SURVEY NO.

AZ-3

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 3 OF 11 SHEETS

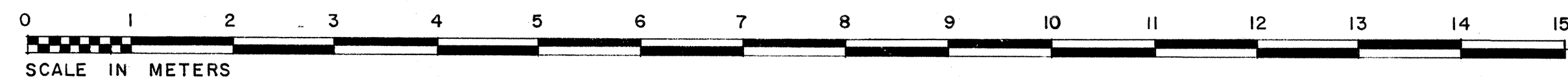
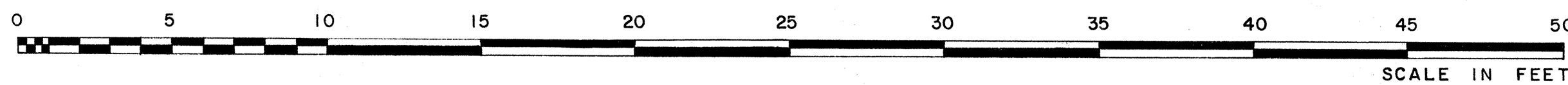
LIBRARY OF CONGRESS
SHEET NUMBER

ADDENDUM



WEST ELEVATION - CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
 WITH GALILEO-SANTONI PHOTOHEODOLITE # 00106 AND HASSELBLAD CAMERAS ON SITE.
 ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
 TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M.S.A. ELGHAZALI.
 DELINEATION BY HUGO MARIO ROMERO-RAMIREZ, MARCH 1976.



DRAWN BY: HUGO MARIO ROMERO-RAMIREZ

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
 NATIONAL PARK SERVICE
 UNITED STATES DEPARTMENT OF THE INTERIOR

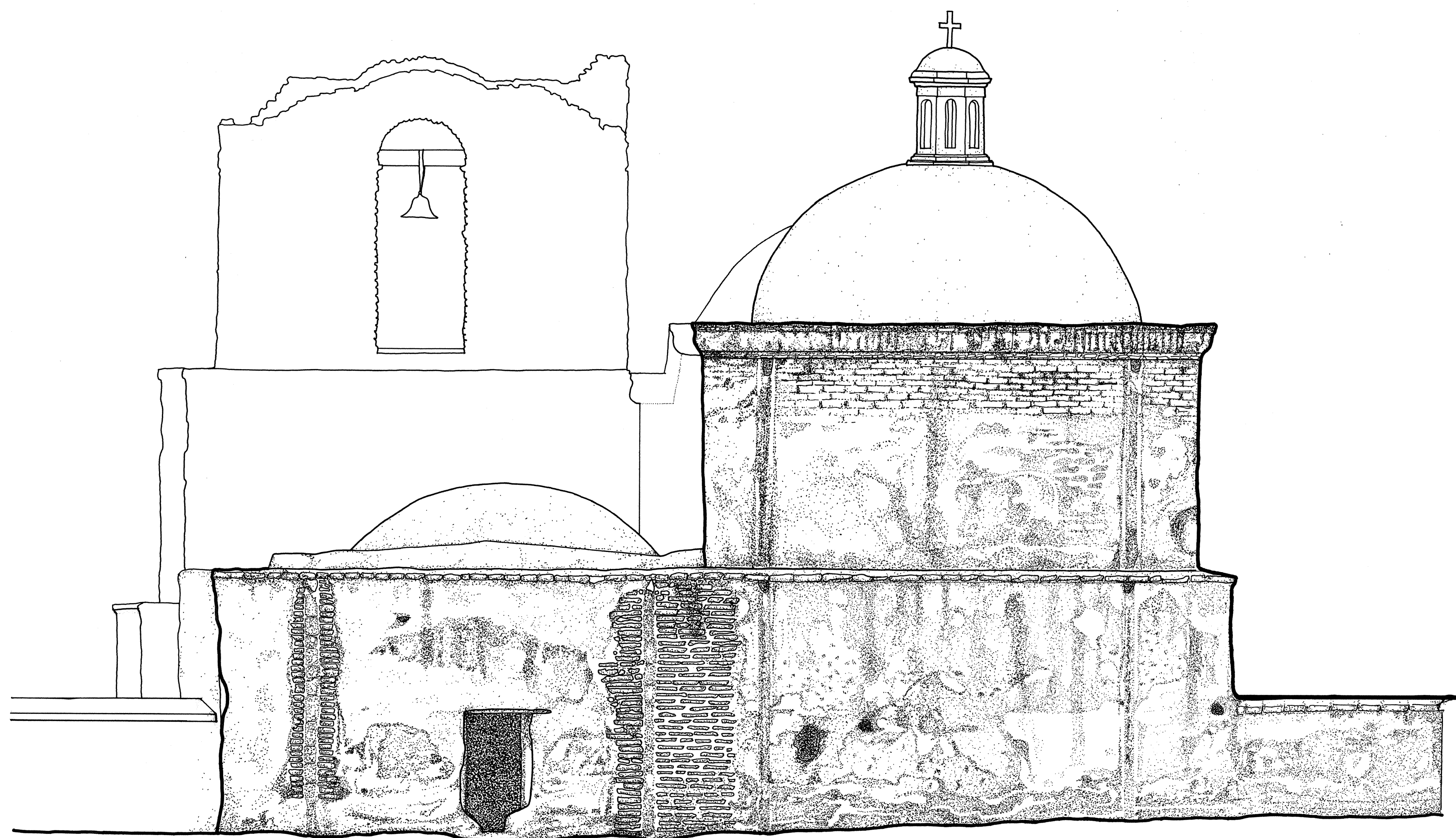
NAME AND LOCATION OF STRUCTURE
 CHURCH OF SAN JOSÉ DE TUMACÁCORI
 TUMACACORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

SURVEY NO.
 AZ-3

HISTORIC AMERICAN
 BUILDINGS SURVEY
 SHEET 4 OF 11 SHEETS

DATE OF SURVEY
 1976

ADDENDUM



**NORTH (REAR) ELEVATION — CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA**

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20—22, 1975
WITH GALILEO-SANTONI PHOTOTHEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. ELGHAZALI.
DELINEATION BY VARATHORN BOOKAMAN, APRIL 1976

0 5 10 15 20 25 30 35 40 45 50
SCALE IN FEET

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
SCALE IN METERS

DRAWN BY: VARATHORN BOOKAMAN

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
NATIONAL MONUMENTS SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

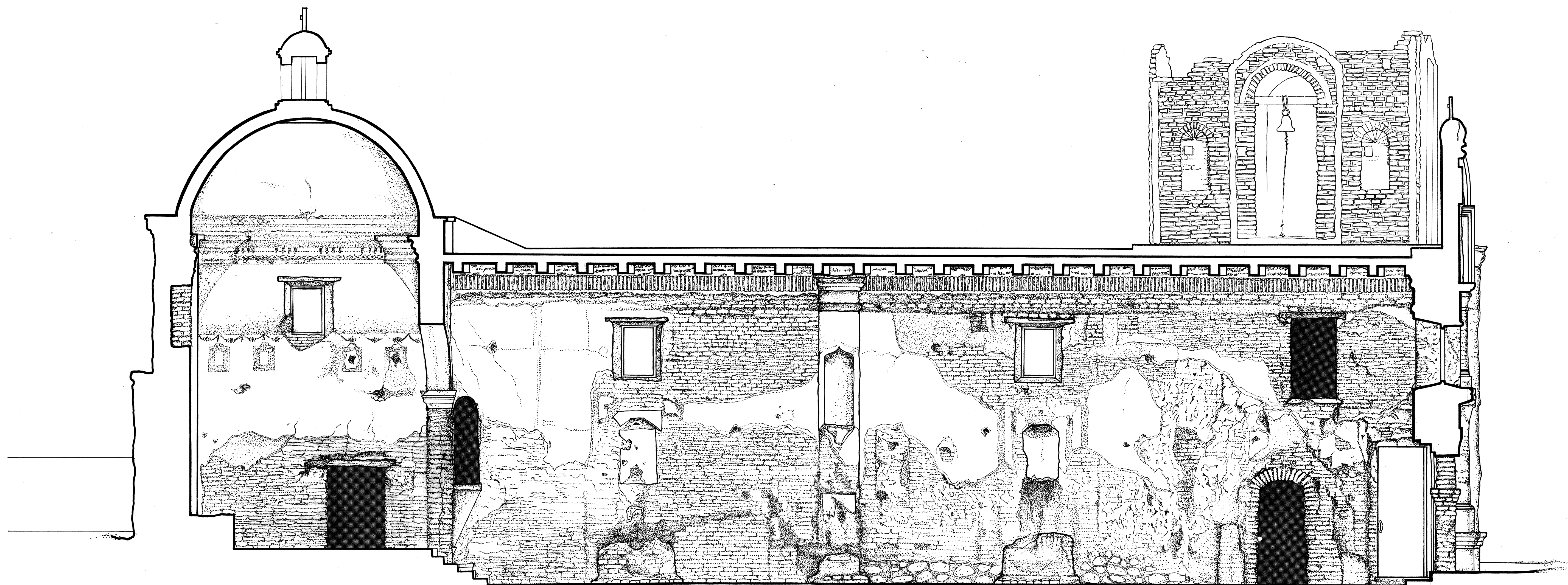
CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA

SURVEY NO.
AZ-3

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 5 OF 11 SHEETS

UNIVERSITY OF CALIFORNIA
IRVINE

ADDENDUM



LONGITUDINAL SECTION THROUGH CHANCEL AND NAVE — LOOKING EAST

CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20 — 22, 1975
WITH GALILEO — SANTONI PHOTO THEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. ELGHAZALI.
DELINEATION BY SUMONTA JARUPAN

0 5 10 15 20 25 30 35 40 45 50
SCALE IN FEET

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
SCALE IN METERS

DRAWN BY SUMONTA JARUPAN

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

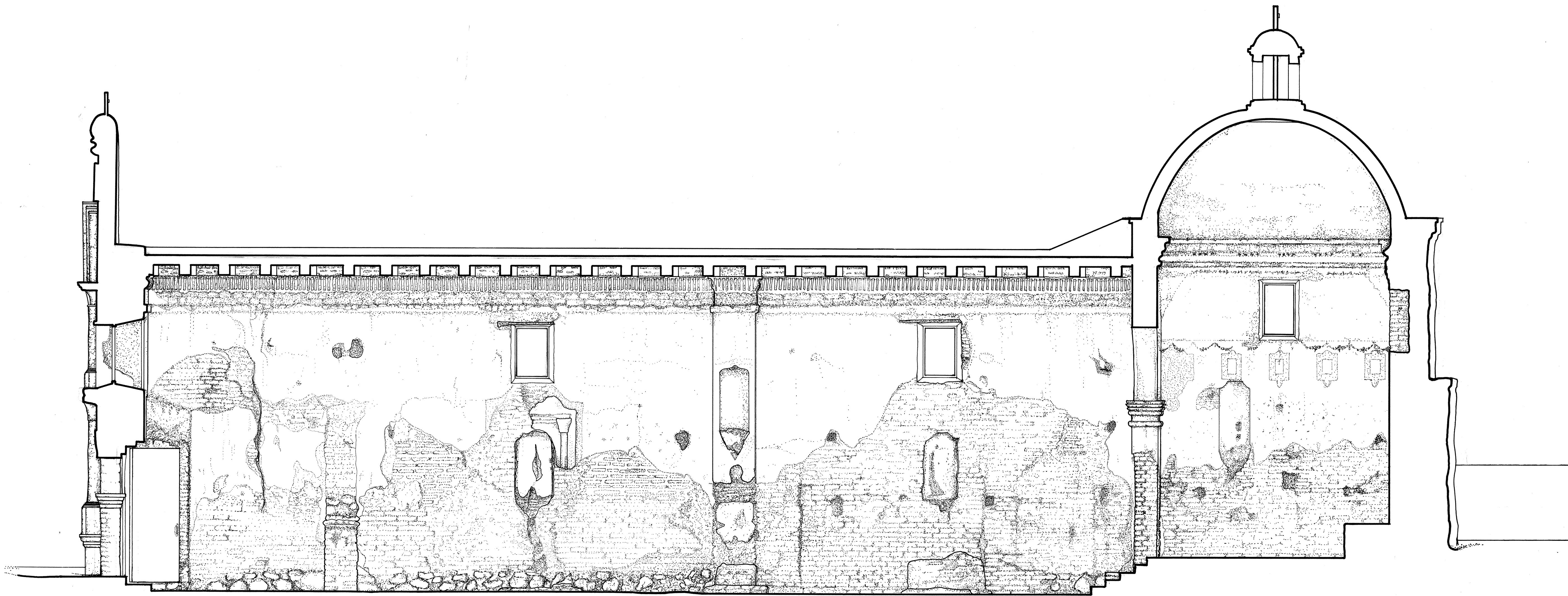
NAME AND LOCATION OF STRUCTURE
CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT — SANTA CRUZ COUNTY, ARIZONA

SURVEY NO.
AZ-3

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 6 OF 11 SHEETS

LIBRARY OF CONGRESS
PHOTODUPLICATION SERVICE

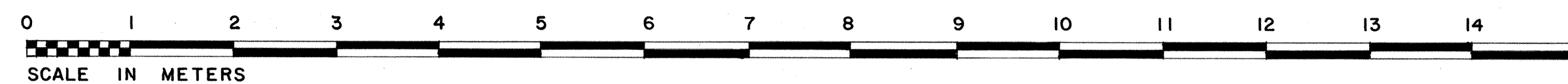
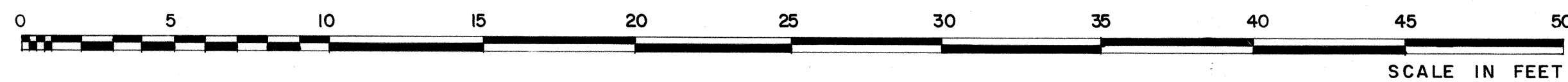
ADDENDUM

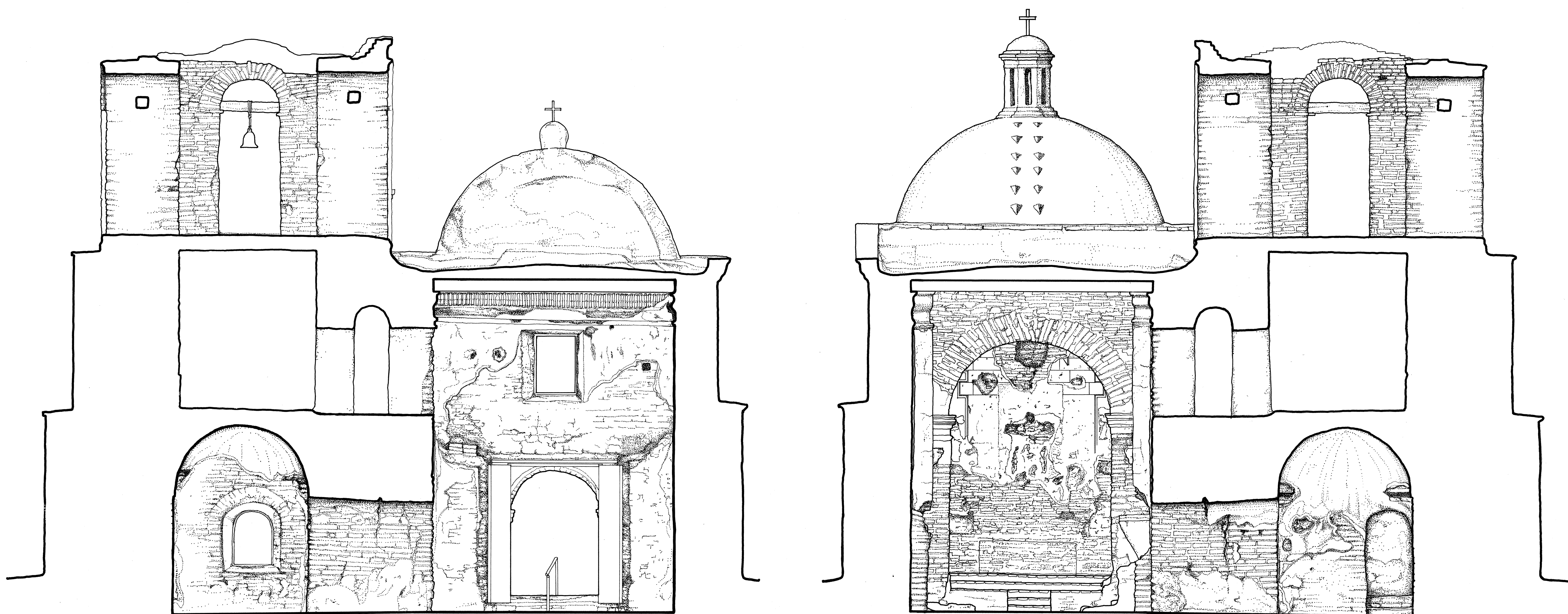


LONGITUDINAL SECTION THROUGH NAVE - LOOKING WEST

CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
WITH GALILEO-SANTONI PHOTO THEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M.S.A. ELGHAZALI.
DELINEATION BY VARATHORN BOOKAMAN



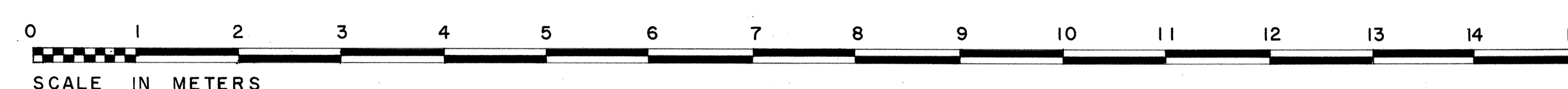
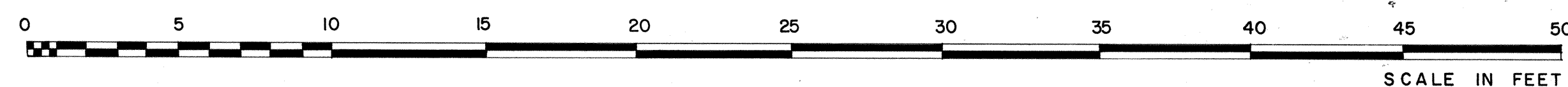


SECTION THROUGH NAVE
AND BAPTISTRY LOOKING SOUTH

SECTION THROUGH NAVE
AND BAPTISTRY LOOKING NORTH

CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
WITH GALILEO-SANTONI PHOTO THEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. ELGHAZALI.
DELINEATION BY KUN-HYUCK AHN, JUNE 1976.



DRAWN BY: KUN-HYUCK AHN

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
NATIONAL MONUMENT SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

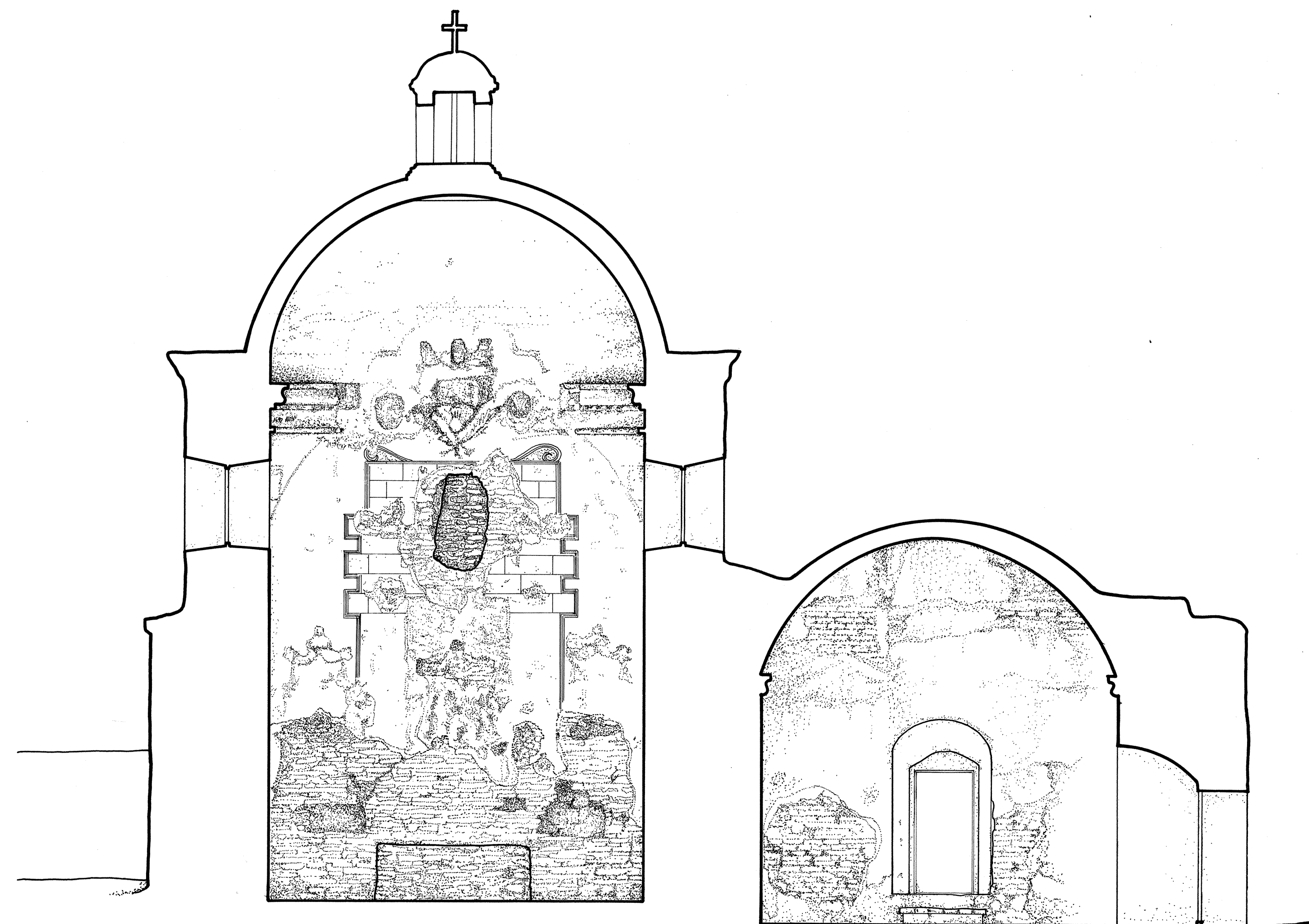
NAME AND LOCATION OF STRUCTURE
CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

SURVEY NO.
AZ-3

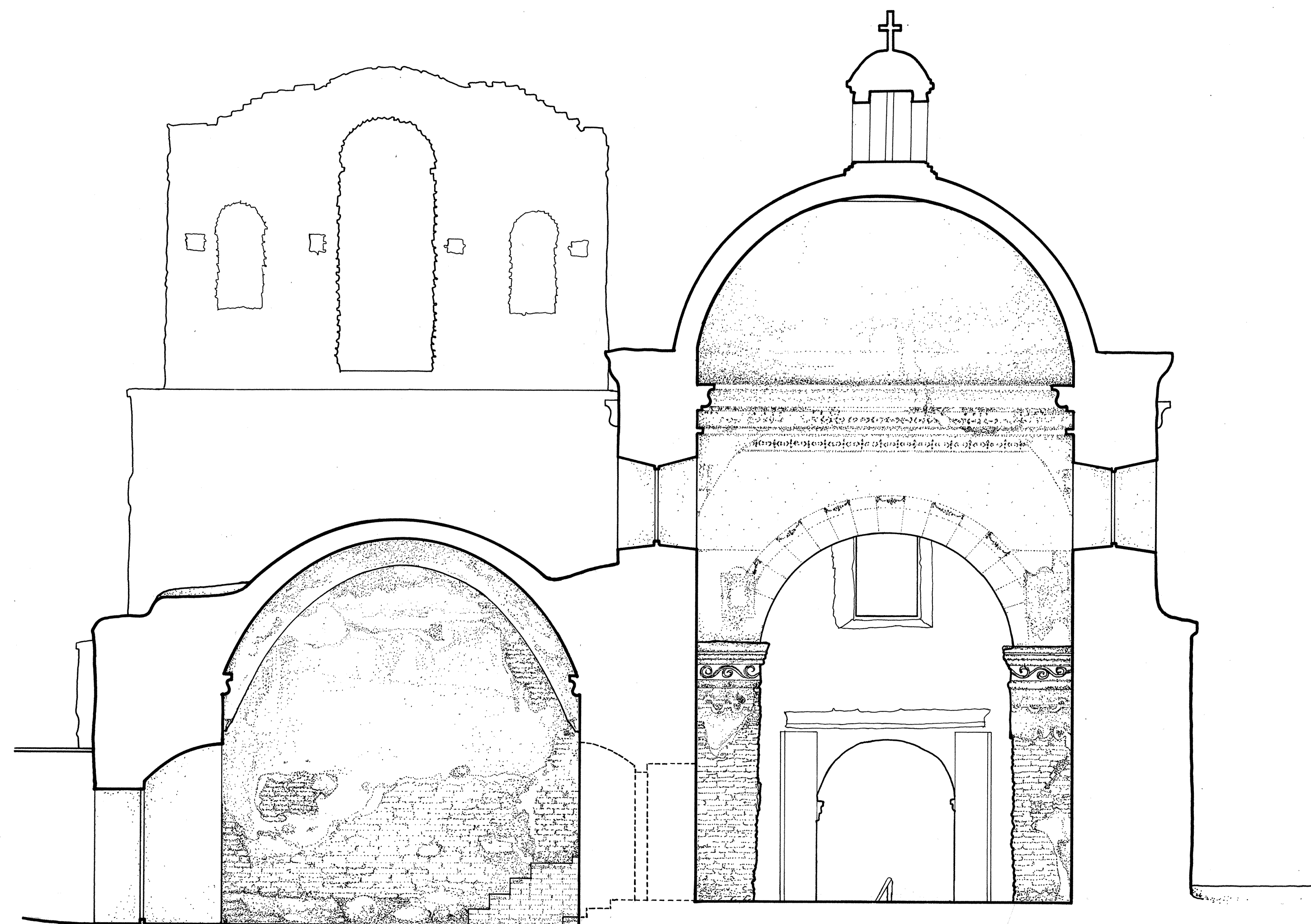
HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 8 OF 11 SHEETS

DATE OF COMPLETION
1976

ADDENDUM



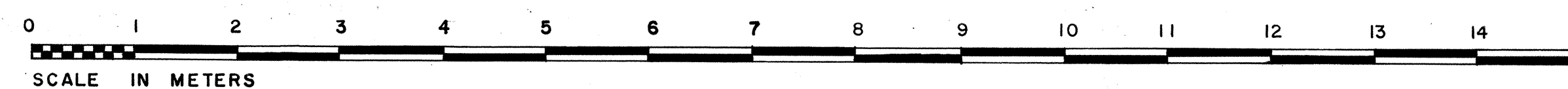
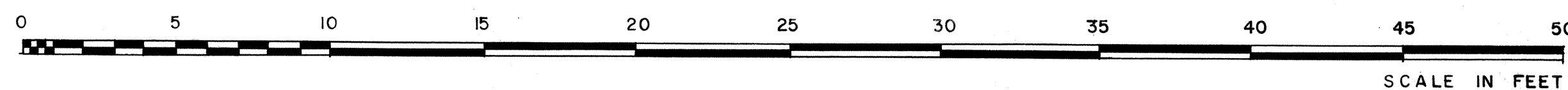
SECTION THROUGH CHANCEL AND SACRISTY LOOKING NORTH



SECTION THROUGH CHANCEL AND SACRISTY LOOKING SOUTH

CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACACORI NATIONAL MONUMENT - SANTA CRUZ COUNTY, ARIZONA

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA AND CHRISTINA BORCHERS, SEPTEMBER 20-22, 1975
WITH GALILEO-SANTONI PHOTO THEODOLITE #00106 AND HASSELBLAD CAMERAS ON SITE.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, DECEMBER 1975
TO FEBRUARY 1976 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M.S.A. ELGHAZALI.
DELINEATION BY VARATHORN BOOKAMAN JUNE 1976



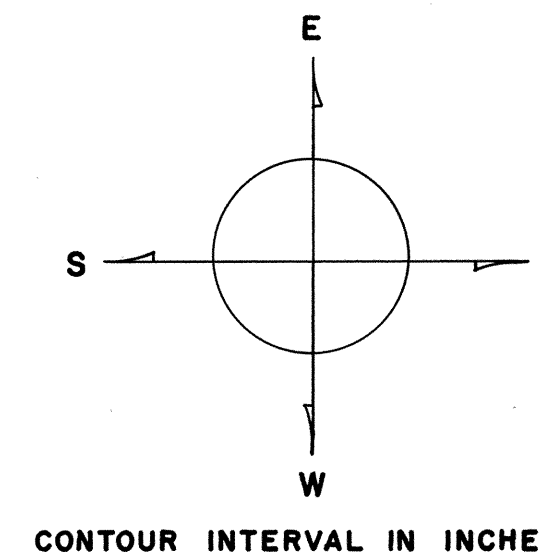
TRIM LINE

IF UNBROKEN, TOP OF DOME WOULD BE 388" (32'-4") ABOVE
CENTER OF CHANCEL FLOOR. PRESENT MAX. HEIGHT IS 392"

CONTOURS PLOTTED IN INCHES AND MULTIPLES OF
INCHES ABOVE CENTER OF CHANCEL FLOOR.

OPENING OF
CHANCEL ARCH

PLASTER SCULPTURE ABOVE ALTAR



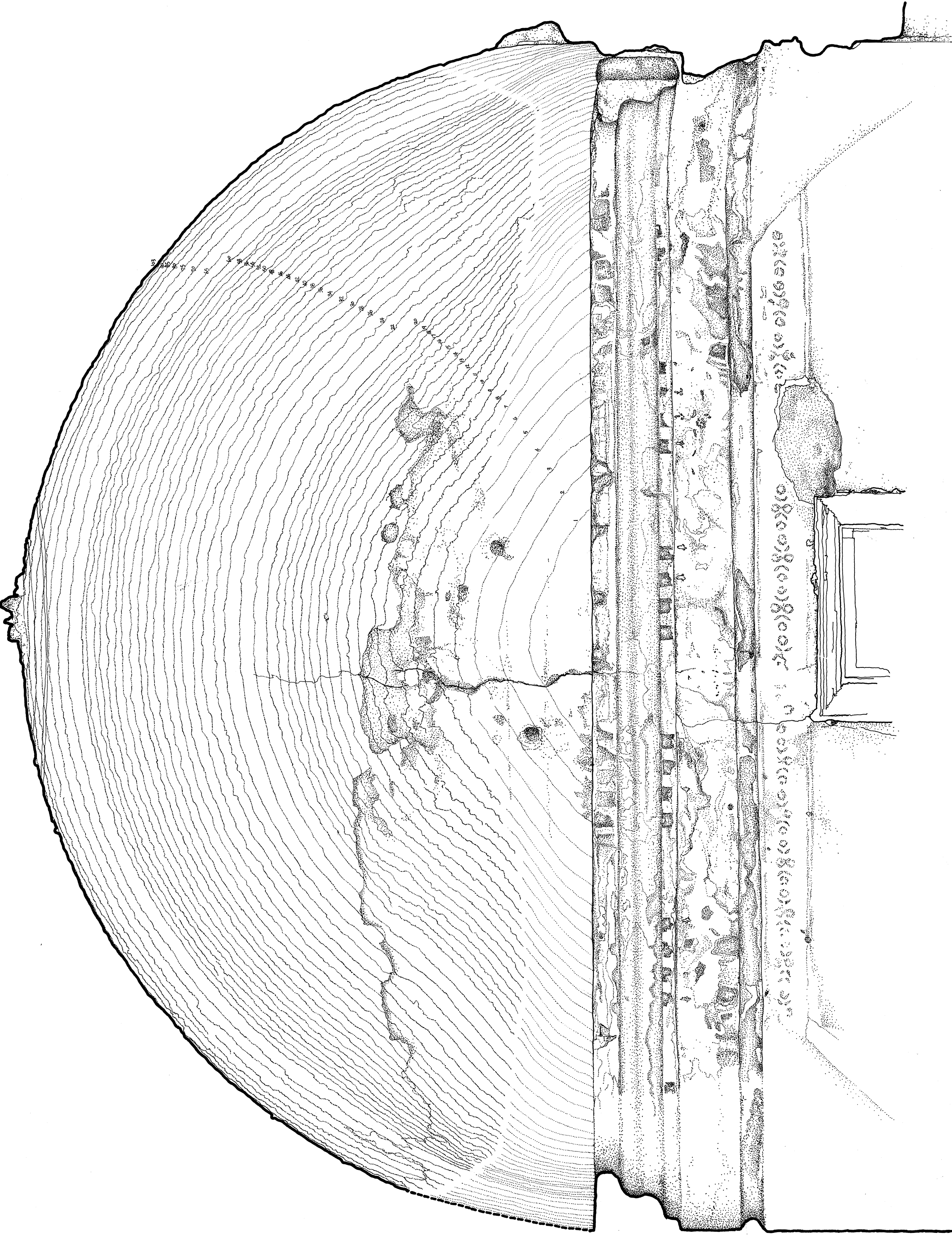
CHURCH OF SAN JOSÉ DE TUMACÁCORI
TUMACÁCORI NATIONAL MONUMENT, SANTA CRUZ COUNTY, ARIZONA

VIEW VERTICALLY UPWARDS INTO DOME

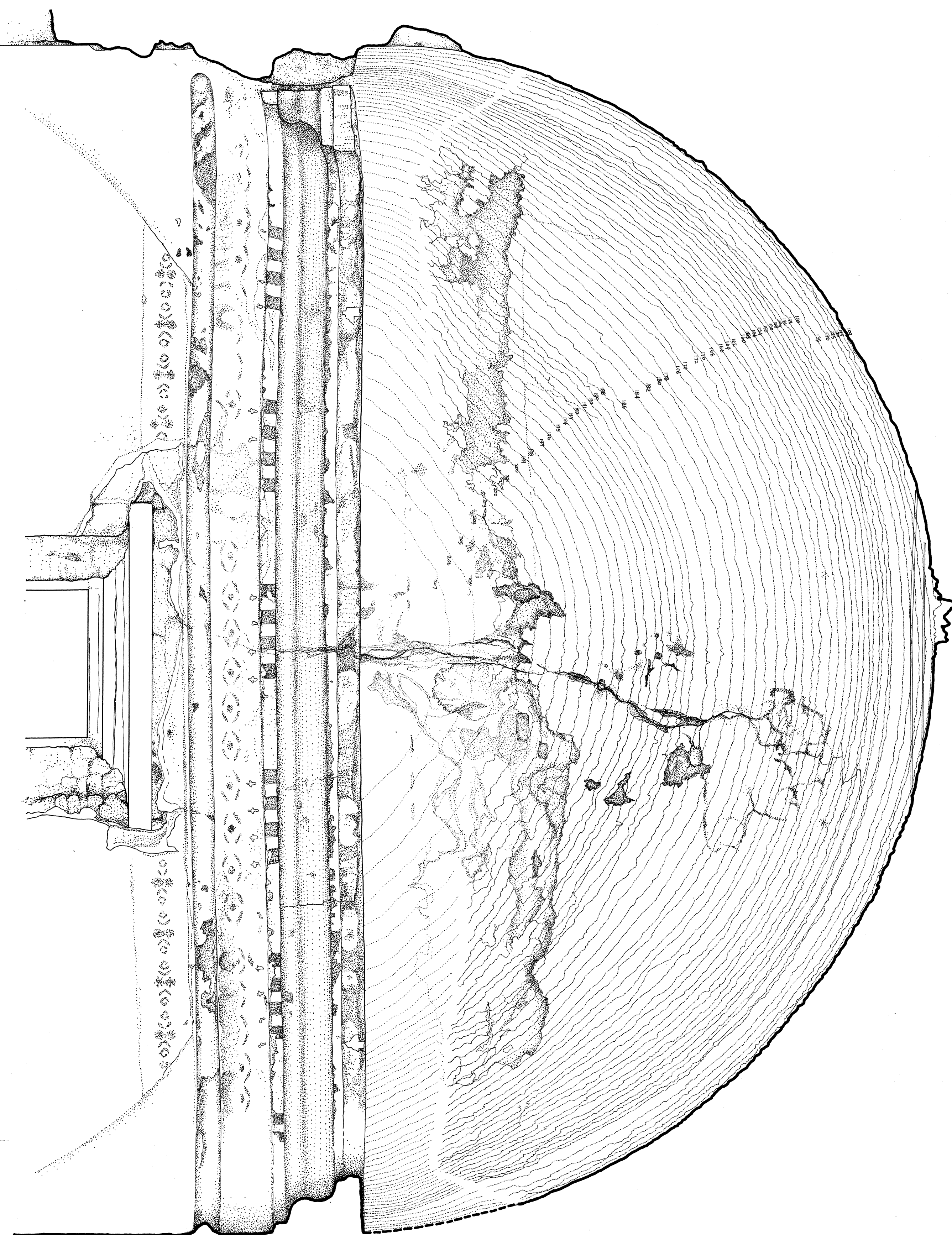
PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA, CHRISTINA AND CHARLOTTE BORCHERS AND ANTHONY
CROSBY, SEPTEMBER 1976.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, JANUARY
1977 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M.S.A. EL-GHAZALI.
DELINEATION BY KUN-HYUCK AHN, 1977.



CHURCH OF SAN JOSÉ DE TUMACÁCORI — TUMACÁCORI NATIONAL MONUMENT, SANTA CRUZ COUNTY, ARIZONA



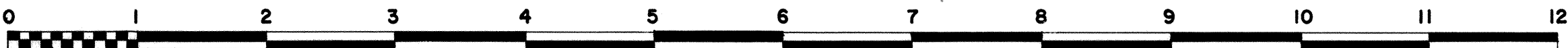
LONGITUDINAL SECTION THROUGH CHANCEL DOME LOOKING WEST



LONGITUDINAL SECTION THROUGH CHANCEL DOME LOOKING EAST

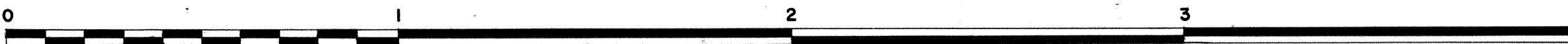
VERTICAL SLICES ARE IN INCHES AND MULTIPLES OF INCHES STARTING WITH 0 AT WALL ABOVE WESTERN WINDOW AND CONTINUING TO 209.5" AT WALL ABOVE EASTERN WINDOW.

CONTOUR INTERVAL IN INCHES



SCALE IN FEET

PHOTOGRAPHY AND SURVEY CONTROL BY PERRY, MYRA, CHRISTINA AND CHARLOTTE BORCHERS AND ANTHONY CROSSBY, SEPTEMBER 1976.
ORIENTATION AND PLOTTING ON THE WILD A7 AUTOGRAPH AT THE OHIO STATE UNIVERSITY, JANUARY 1977 BY PERRY E. BORCHERS, RESEARCH SUPERVISOR, AND M. S. A. EL-GHAZALI.
DELINEATION BY KUN-HYUCK AHN.



SCALE IN METERS

HABS, ARIZ, 12 - TUBA, V, 1 -
ARIZONA Santa Cruz (12)

Some oversize
TUBAC VIC.

445 *
18 p
4 d

STATE

COUNTY

TOWN or VICINITY

CHURCH OF SAN JOSE DE TUMACOCORI

(AZ-3)

STRUCTURE

VS: 4 sheets
color (# 30-33)

* S: reductions
in Notebook

FN - 2 (4)

SUPPLEMENTAL

CARD CATALOG

- BUILDING

Tumacocori National Monument, 2 mis. S of
Tubac. Built late 18th c. 40 sheets
(1937, 1975-76, including plans, elevations,
sections, details), 4 color sheets (1937);
18 photos (1907, 1937); 4 data pages
(1939). NR

Card prepared 1980



ARIZ., 12-TUBA.V, 1-1

HABS



ARIZ., 12-TUBA.V, 1-2

HABS



SILVER CREEK

HABS

ARIZ., 12-TUBA.V, 1-4

ARIZ., 12-TUBA.V, 1-5

HABS





ARIZ., 12. TUBA.V , 1-6

HABS



SISA-CEAH

HABS

ARIZ., 12-TUBA.V, 1-8



HABBS-ARIZ

ARIZ., 12. TUBA.V, 1-9

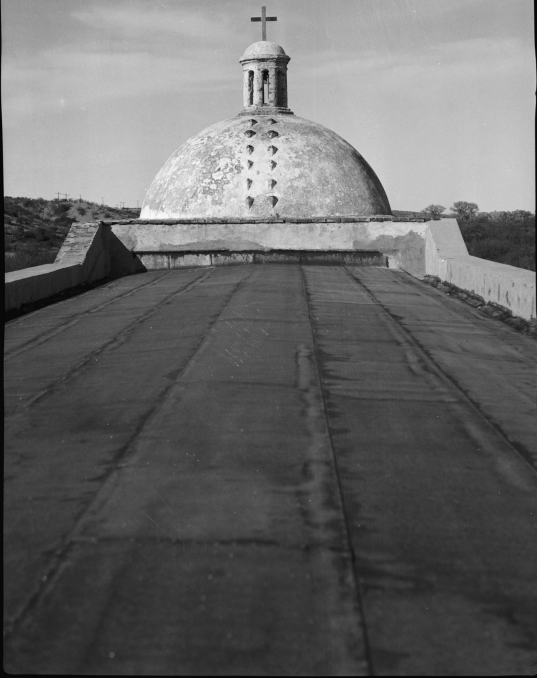
HABBS

ARIZ., 12-TUBA.V, 1-10

HABs



519A-28AH



ARIZ., 12. TUBA.V., 1-11

HABS

ARIZ., 12-TUBA.V, 1-12

HABS



5124-6044

ARIZ., 12-TUBA.V, 1-13

HABS



HABS-ARIZ

ARIZ., 12. TUBA.V , 1-14

HA BS



HAB2 V 415



ARIZ., 12. TUBA.V, 1-15

HAB3



ARIZ. 12-TUBA.V. 1-16

HABS.

ARIZ., 12-TUBA.V, 1-17

HABS

