D-1583

historic structure report

april 1980

TUSKEGEE INSTITUTE
THE OAKS

NATIONAL HISTORIC SITE / ALABAMA

ON MICROFILM

NATIONAL PARK SERVICE
DENVER SERVICE CENTER
BRANCH OF GRAPHICS
LIBRARY

Color Scans
10-31-2002

As the nation's principal conservation agency, the Department of the Interior has basic responsibilities to protect and conserve our land and water, energy and minerals, fish and wildlife, and parks and recreation areas, and to ensure the wise use of all these resources. The department also has major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

Publication services provided by the graphics and editorial staffs of the Denver Service Center. NPS 1583

HISTORIC STRUCTURE REPORT

THE OAKS

TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE

TUSKEGEE, ALABAMA

DENVER SERVICE CENTER

BRANCH OF HISTORIC PESERVATION

SOUTHEAST/SOUTHWEST TEAM

UNITED STATES DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

DENVER, COLORADO

Table of Contents

Table of Contents.....iii
List of Illustrations.....v
Preface.....ix
Administrative Data Section.....1
A. Name and Number of Structure.....3
B. Proposed Use of Structure.....3
C. Justification for Such Use.....3
D. Provision for Operating Structure.....3
E. Cooperative Agreement.....3
F. Description of Proposed Construction Activity.....3
G. Statement of Significance.....3
H. Estimate of Proposed Construction Activity.....3
History Data Section.....5
Appendix.....21
Bibliography.....29
Illustrations.....31
Landscape Data Section.....43
I. Background of the Area.....45
A. Geographic Location.....45
B. Brief History of the Area.....45
C. Campus Landscaping.....45
D. David A. Williston.....47
E. Edward L. Pryce.....47
II. The Oaks.....49
A. Introduction.....49
B. Plan of Land Use and Landscape Development - Circa 1911.....49
C. The Oaks in 1925.....50
III. Exhibits.....53
Appendix A - Summaries of Personal Interviews.....63
Appendix B - Drawings.....65
Architectural Data Section.....73
I. Introduction.....75
A. Location.....75
B. Purpose of the Report.....75
C. Organizational Structure.....76
D. Documentation.....76
II. Historical Development.....79
A. Introduction.....79
B. Original Construction.....79
C. Alterations Made During the Lifetime of Dr. Washington.....81
D. Alterations Made Between 1915 and 1925.....82
E. Alterations Undertaken by the Institute.....82
F. Description of Existing Structure.....84

III. Itemized Tables.....89
A. Introduction.....89
B. Exterior.....91
C. First Floor.....143
D. Second Floor.....183
E. Third Floor.....223
F. Basement.....249
IV. Engineering Systems.....275
A. Structural.....275
B. Mechanical.....276
C. Electrical.....280
V. Recommended Preservation Program.....282
A. Introduction.....282
B. Proposed Alterations.....283
C. Alternative Proposals.....285
D. Rejected Alterations.....286
E. Evaluation of Effect.....287
F. Cost Estimate.....288
Appendix I - Paint Analysis.....291
A. Introduction.....291
B. Exterior Trim Paint.....293
C. Interior Woodwork Finishes.....302
D. Interior Wall Paint.....313
E. Interior Ceiling and Frieze Paint.....322
F. Interior Paint on Windows.....331
Appendix II - Mortar Analysis.....333
Appendix III - X-Ray Analysis.....345
Appendix IV - Hardware Inventory.....359
Appendix V - 1929 Radiator System Drawings.....379

List of Illustrations

Northeast Corner, ca. 1906.....33
East Elevation, ca. 1906.....34
Northwest Corner, 1902.....35
Northwest Corner, ca. 1914.....36
South Elevation, 1906.....37
From View of Tuskegee Campus, 1902.....38
View from Study into Parlor, ca. 1902.....39
Dining Room, ca. 1902.....40
Gazebo Drawings, ca. 1899.....41
Northeast Corner, ca. 1907.....56
Topo Map of Campus T.N.I.I., June, 1911.....57
Sanitary Sewer System, January, 1913 - October, 1918.....58
Topo Map of Campus T.N.I.I., 1917.....59
The Oaks, ca. 1915.....60
The Oaks, ca. 1934.....61
The Family Home, Tuskegee, ca. 1915.....62
Site Plan - Existing Conditions.....67
Site Plan - Circa 1911.....69
Site Plan - Circa 1925.....71
Cover Sheet (H.A.B.S. - 1978).....93
Site Plan (H.A.B.S. - 1978).....95
Transverse Section (H.A.B.S. - 1978).....97
Porch One - Looking East.....99
Porch One - Looking West.....99
Porch Two - Looking South.....104
Porch Two - Northwest Corner of Ceiling.....104
Porch Three - Exterior.....104
Porch Three - Looking South.....108
Porch Six - Terior Looking South.....108
Porches Five, Six, Eight, and Nine - Exteriors from Southwest.....108
Porch Seven - Exterior of Northwest Corner.....114
Porch Seven - Interior of Northwest Corner.....114
North Elevation.....114
North Elevation (H.A.B.S. - 1978).....117
West Elevation (H.A.B.S. - 1978).....121
Northwest Corner.....124
West Elevation.....124
South Elevation.....124
South Elevation (H.A.B.S. - 1978).....125
West Wing Elevation.....130
South Wing Elevation.....130
East Wing Elevation.....130

East Elevation (H.A.B.S. - 1978).....137
East Elevation.....141
Northeast Roofs.....141
Southeast Roofs.....141
First Floor Plan (H.A.B.S. - 1978).....145
Foyer (101) from Parlor (102).....148
Parlor (102) North Wall.....148
Parlor (102) West Wall.....148
Parlor (102) South Wall.....153
Study (103) South Wall.....153
Front Hall (104) Looking East.....153
Front Hall (104) Looking West.....153
Dining Room (105) West Wall.....159
Dining Room (105) East Wall.....159
Dining Room Addition (106) South Wall.....159
Guest Room (107) Looking East.....159
Guest Room (107) Looking West.....165
Guest Room (107) Fireplace.....165
Rear Hall (109) Looking North.....165
Rear Hall (109) Looking South.....168
Rear Hall (109) Stairway.....168
Bathroom (110) Northeast Corner.....171
Bathroom (110) West Wall.....171
Pantry (111) China Cabinet.....176
Pantry (111) South Wall.....176
Breakfast Room (112) East Wall.....176
Breakfast Room (112) West Wall.....179
Kitchen (113) East Wall.....179
Kitchen (113) Northwest Corner.....179
Second Floor Plan (H.A.B.S. - 1978).....185
Portia's Bedroom (201) West Wall.....190
Shower (203) East Wall.....190
Shower (203) Shower Base.....192
Shower (203) Toilet.....192
Shower (203) Sink.....192
Margaret Murray Washington's Bedroom (204) East Wall.....197
Margaret Murray Washington's Bedroom (204) West Wall.....197
Front Hall (206) Southwest Corner.....197
Front Hall (206) North Wall.....197
Boys' Bedroom (208) Looking East.....205
Boys' Bedroom (208) Southwest Corner.....205
Boys' Bathroom (210) West Wall.....205
Boys' Bathroom (210) Toilet.....208
Boys' Bathroom (210) Sink.....208

Booker T. Washington's Bedroom (211) East Wall.....210
Booker T. Washington's Bedroom (211) West Wall.....210
Booker T. Washington's Bathroom (212) South Wall.....215
Rear Hall Closet (213) from Rear Hall (207).....215
Den (215) West Wall.....220
Den (215) Looking South.....220
Den (215) Looking North.....220
Third Floor Plan (H.A.B.S. - 1978).....225
North Bedroom (301) East Wall.....230
North Bedroom (301) South Wall.....230
Hall (303) Looking South.....230
Hall (303) Looking North.....230
East Bedroom (304) West Wall.....236
Trunk Room (306) Southeast Corner.....236
Den Attic (307) Looking North.....236
Den Attic (307) Roof Junction, Northwest Corner.....236
Den Attic (307) Northeast Corner.....239
Den Attic (307) Dormer.....239
West Attic (308) West End.....239
West Bedroom (309) East End.....243
West Bedroom (309) West Wall.....243
Bathroom (310) Looking South.....243
Attic (401) Southeast Area.....247
Attic (401) Former Stove Flue.....247
Basement Plan (H.A.B.S. - 1978).....251
Stair (001) Looking East.....255
Wing Basement (002) Looking North.....255
Wing Basement (002) South Wall.....258
Storage (003) from Wing Basement (002).....258
Stair (001) East Wall.....260
Crawlspace (004) under Bathroom (110).....260
X-Ray 1 - Guest Room Closet (108) Door Jamb.....347
X-Ray 2 - Rear Hall Closet (213) East Wall.....349
X-Ray 3 - Booker T. Washington's Bathroom (212) North Wall.....351
X-Ray 4 - Boys' Bathroom (210) East Wall.....353
X-Ray 5 - Booker T. Washington's Bedroom (211) Small Doorway.....355
X-Ray 6 - Margaret Murray Washington's Bedroom (204) Blocked Door.....357
Hardware Types 1 - 17.....362
Hardware Types 18 - 33.....366
Hardware Types 34 - 50.....370
Hardware Types 51 - 66.....374
Hardware Types 69 - 87.....378
Basement Plan (1929).....381
Basement Plan Detail (1929).....383
First Floor Plan (1929).....385
Second Floor Plan (1929).....387
Third Floor Plan (1929).....389

Preface

The Historic Structure Report for The Oaks contains four primary data sections - administrative, history, landscape, and architectural. Prepared from 1977 through 1979, the Report has had a number of authors and contributors.

The Administrative Data Section was prepared by John Paige, Historian, and David Arbogast, Historical Archtect, both of the Denver Service Center in July of 1979.

A draft copy of the History Data Section was written by Dr. John Platt, Historian of the Denver Service Center. This draft was edited and revised by John Paige, resulting in the present History Data Section.

In 1978 Edward Pryce, landscape architect with the firm of Williams-Russell Associates of Atlanta, Georgia, and retired professor of landscape architecture at Tuskegee Institute, prepared a Historic Landscape Report for all three buildings of Tuskegee Institute National Historic Site. Sections pertinent to The Oaks were reorganized and included as the Landscape Data Section.

The Architectural Data Section was commenced in 1978 by David Ates, Historical Architect, of the Denver Service Center. He was joined by David Arbogast, who was primarily responsible for the fabric analyses. The engineering systems section of the architectural data section was prepared by Curtis Edlund, Strustural Engineer; Robert Thielke, Mechanical Engineer; and Jeff Gould, Electrical Engineer, all of the Denver Service Center.

A large number of people provided valuable assistance and aid in the preparation of the Report. Superintendent Lissimore and Ron Thompson, Chief of Interpretation, of Tuskegee Institute National Historic Site, along with their staff, were especially helpful. A number of residents of Tuskegee provided valuable insight for the Landscape Data Section. Measured drawings of The Oaks, which were prepared by a Historic American Buildings Survey team during the summer of 1978, have proven to be an essential part of the Report. To all involved a debt of gratitude is extended.

ADMINISTRATIVE DATA SECTION

John Paige and David Arbogast

Denver Service Center
National Park Service

A. Name and Number of Structure

The Oaks, Structure No. 2, Tuskegee Institute National Historic Site, Macon County, Alabama. Order of significance - Ia.

B. Proposed Use of Structure

The exterior of the structure is to be preserved in its present appearance with minor restoration and fabric removal to replace deteriorated or missing historic features. The interior will be restored to reflect its appearance to 1925, the year before the house ceased to be a private residence by the Washington family, with an emphasis on 1915 and earlier, during which Dr. Washington resided there. The Oaks is to be partially refurnished and interpreted as a historic house museum. The grounds will be upgraded in appearance, but not restored.

C. Justification for Use

Use of The Oaks will be according to the approved General Management Plan and the approved Interpretive Prospectus.

D. Provision for Operating Structure

The exterior, interior and grounds of The Oaks will be used to interpret the social, economic and cultural life of Booker T. Washington and family.

E. Cooperative Agreement, Executed or Proposed for Operating the Structure

A memorandum of agreement between the U.S. Department of the Interior and the Trustees of Tuskegee Institute was signed on August 25, 1976. This agreement related to the preservation of the original campus of Tuskegee Institute at Tuskegee Institute National Historic Site.

F. Description of Proposed Construction Activity

Information on this subject is found in the architectural data section of this report.

G. Statement of Significance

The significance of this building relates to the fact that it was built by Tuskegee Institute founder Booker T. Washington using labor supplied by Tuskegee students and some materials manufactured at the Institute. From this home, he acted as one of the most prominent spokespersons for black Americans at the beginning of the twentieth century until his death in 1915.

H. Estimate of Cost of Proposed Construction

Information on this subject is found in the architectural data section of this report.

TUSKEGEE NATIONAL HISTORIC SITE

THE OAKS

HSR/HISTORY DATA

BY John Jenkins and John Platt

The year 1899 brought Negro educator Booker T. Washington near to a climax in his career. Though subject to some criticism, his prestige and reputation was reaching far beyond the shores of his country. In the same year the construction of his future home, The Oaks, was undertaken. Washington feared that the building of The Oaks would be interpreted by some to be an ostentatious display of wealth and true to his sensibilities in such matters, his books and articles are mute on the subject of his home.[1]

No materials have so far come to light that illuminate the question when and through whose initiative the building of The Oaks came about. After the work had begun, Washington found himself under interrogation from a member of the board (making it clear that they had not been let into the secret!). To William Henry Baldwin, Jr. fell the task of defending the enterprise.[2] A letter from Baldwin to William Bancroft provides an intriguing insight into the complexities of Washington's private life at that time. Up to this point life in the Washington household had known its limitations:

> Mr. Booker T. Washington has sent me your letter of the 27th. ultimo, in which you refer to the house being built for him, and he has also sent me a copy of his reply to you.

---

1. Louis R. Harlan et al., ed., The Booker T. Washington Papers (Urbana: University of Illinois Press, 1976), V,p. xxi; Booker T. Washington, Up From Slavery (New York: Doubleday, Page and Co., 1901), p. 192.

2. Not one of the industrial titans who backed Tuskegee Institute ever came to occupy a place of such intimacy in Washington's scheme of things as Baldwin. By 1899 a two year member of the board, he was still a young man of thirty-six, and a passionate devotee to the cause and its founder. Not cut out to be a follower, Baldwin had by now become used to powering his ideas for Tuskegee's management and Washington personally forward with utmost confidence. A Harvard graduate, one of Charles Francis Adams, Jr.'s bright young men who had set out nearly fifteen years before to reform the Union Pacific Railroad, he had risen to presidency of the Long Island Railroad. A social reformer from a family of social reformers, Baldwin spent his lifetime engaged as intensely with the problems of the laboring classes, racial relations, and civic enterprise as with railroading. This earned him the sobriquet, conferred by Dr. Felix Adler, "the Galahad of the Marketplace." He and Washington enjoyed a perfect confidence one with the other. So strongly had he become involved emotionally with Washington and all he stood for, that he exulted at the prospect of success and trembled at the thought of failure. He took the lead in securing acts from Congress and the Alabama legislature that granted 50,000 acres of land to Tuskegee and another of his interests, the Alabama Industrial School. He furnished the introduction to Rockefeller that brought his active interest to Tuskegee and tackled Carnegie for the contribution that brought $600,000 into the school's coffers. He was a man to whom Washington gave his undivided attention.

I beg to assure you on my part that I appreciate your great kindness in writing so frankly to Mr. Washington, and I am sure you will not feel that I am in any way impertinent if I write further to you on this subject.

As a Trustee of Tuskegee and one whose constant thought is upon the work of that Institution, you will I trust permit me to give you another point of view of Mr. Washington's house.

Mr. Washington has been living with his family in a house belonging to the Institute. Mrs. Walter Baker gave to his children the sum of $3,000., and Mrs. Baker's friends thought that it would be well for the children to have this money invested in a house. Mr. Washington therefore arranged to build a house for the use on his own family, to give up the house belonging to the Institute for the purpose of a library, and, further, to provide that the construction of the house should be made by the students of the Institute.

As every brick and every bit of wood work will be done by the students the money will have a three fold use. First: It will permit his present house to be used for a library; Second: Every dollar of the money will be paid to the students for work done on the building; Third: It will give a comfortable house to Mr. Washington for his own family and a place where friends of the Institute may be entertained while visiting Tuskegee.

I have often times publicly referred to the wide use of this personal legacy and I think it deserves much commendation.

There is another side to this also. Few know the enormous physical and mental work that Mr. and Mrs. Washington have been doing for many years. It is imperative that if we expect Booker Washington to live and to do good work, for him to have comfortable surroundings. The pressure of his work during the last few years has told much on his health and we are anxious to have him comfortably cared for, so that his health may be preserved for many years.

The great charm and strength of Booker Washington lies in his extreme modesty. His simple tastes and habits and the quiet strength of his modesty appeal very strongly to me.

> I hope that this explanation coming from me will be well taken on your part, and that you will be able to agree with me that the building of this house, although, for Tuskegee, a large house, is very much to be commended.
>
> I wish also to say that all funds contributed to this Institution are carefully audited and accounted for with detailed report to the Trustees; and that I have seen to it personally that a public accountant from New York shall keep in constant touch with the accounts and make audit of them to me each thirty days.[3]

The following year, in a franker line to Washington, Baldwin was still fencing with explanations for building The Oaks:

> I want to get hold of some good friends somewhere to help out on the house matter. I think it will be well for you to say, (and have others also.) that the Trustees insisted on having a suitable house for the many Northern friends who visit Tuskegee! Nothing is too good for you - but it might seem too good for the cause. -and those 2 x 4 Trustees who criticise should (not) be encouraged![4]

At this point, insofar as Washington's correspondence goes, the subject is dropped, not to reappear. It may be assumed that the five members of the family found The Oaks to be everything that they could desire, that Baldwin's intended effect was fully realized. From this point forward Washington presided over a household comfortably enscounced in a stylish and roomy dwelling.

From the text of the April 6, 1899 letter of Baldwin to Bancroft it can be seen that building was in progress on that date and probably had become well advanced. This is the sole temporal guidepost among the skimpy documentation relating to this phase of the work. That it was preceded by conventional planning procedures, starting with the site itself, can certainly be expected. But on such matters the record to date has given up nothing of any consequence. Extensive research in the Washington Papers at the Library of Congress have so far proved to be fruitless. Thus, an examination of the circumstances and a reasonable knowledge of the Institute's functioning during this period must for the present be relied on to explain what took place.

---

3. W.H. Baldwin, Jr. to Wm. P. Bancroft, April 6, 1899, Harlan et. al., The Booker T. Washington Papers, V, pp. 76-77.

4. W.H. Baldwin, Jr. to Booker T. Washington, June 28, 1900, Donation Letters, 1900 folder, con. 792, Booker T. Washington Papers, Library of Congress.

The house was located toward the front of the lot, consistent with contemporary practice in most sections and favored the features of the house design that were employed. It can be assumed that paid student labor, using shovel and pick, excavated the site, as this was then the practice of earning and learning at the Institute.

When it came to designing the house, again the Institute's resources were doubltless brought to bear. Head of architectural and mechanical instruction since joining the Tuskegee faculty in 1892 was Robert Robinson Taylor.[5]

In all probability Taylor designed The Oaks, receiving the customary architect's fee for so doing. In fact, a leave of absence to plan and superintend the work may account for his not being listed on the Institute staff during the 1899-1900 school year.[6] It can be assumed that The Oaks was built from a full set of plans, with preliminary drawings enough to satisfy all concerned although none of them was discovered in the present research.

The Oaks was constructed by student labor using bricks made at Tuskegee. After much trial and error, Tuskegee had become one of the first brick

---

5. Richard Dozier, "The Black Architectural Experience in America," American Institute of Architects Journal, July 1976, pp. 164-165. He occupies a prominent place in the pantheon of Tuskegee greats. One of the first black architects to take his degree from the Massachusetts Institute of Technology, he had been brought to Tuskegee by Washington to establish mechanical industries. As a teacher he enjoyed notable success, sending John A. Lankford into a widely-known practive and William Pittman to the architectural school of Drexel Institute and untimately into practice. Among his colleagues in the department were Wallace Rayfield, an 1899 graduate of the Pratt School of Architecture and Vertner A. Tandy, a 1909 graduate of Cornell. His arrival at Tuskegee in 1892 was another example of Washington's talent for selecting associates of high ability at the right moment. From the start he assumed responsibility for campus development planning. It was Taylor who designed most of Tuskegee's important buildings. Before Taylor's career was concluded in 1933, he had risen to vice presidency of the Institute.

6. Max Bennett Thrasher, Tuskegee, Its Story and Its Work (Boston: Small, Maynard and Co., 1900), p. 210.

manufacturer in the region and by 1899, the students were making a million bricks a year. Instruction included hand and machine processing. Practically all that went into The Oaks would have been of the latter.[7]

Whatever the date of occupancy of The Oaks, and nothing has been found bearing on this, the last of the work was not done until the middle of 1900. In May, Baldwin wrote to Washington "I have yours of the fourth relative to steam heating plant for your house. Put it in and send the bill to me."[8] And in September, he advised Washington about payments made from a fund in his hands, including this entry: "June 28th. Check to Booker T. Washington, account of his own house ($)500.00."[9] A second entry in the same statement reads: "For furnishings for Principal's House ($)182.77."[10] This dovetails with the contents of a May 1900 letter received by Margaret Murray Washington from Ruth S. Baldwin:

> Are the measurements which you sent me of the windows in the front room the exact measurements for shades, or simply the outside measurements for curtain poles? I can get good shades at $1.00 a piece at Wanamaker's, but it is necessary, of course to be quite sure of the exact width required.
>
> I will have the other things shipped to you as soon as I hear about the shades and will at the time send you a detailed list of the articles bought, so that you can have it to refer to upon receipt of the rods. I am unfortunately unable to Make the money Mr. Baldwin has set apart for this purpose purchase all I wanted to, but I trust you will like such things as I can send.[11]

From the foregoing it would appear that the Washingtons moved into The Oaks sometime during the summer of the year 1900 or earlier if they were able to do without a furnace and window shades.

Whose choice the style of the Washington family residence represents is as much a mystery as other undocumented subjects herein considered. Certainly, Washington, as a public figure who led by example, had to be concerned that good judgement decide the issue. Assuming that Taylor

---

7. Washington, Up From Slavery, p. 112.

8. W.H. Baldwin, Jr. to Booker T. Washington, May 7, 1900, Donation Letters 1900 folder, con. 792, Booker T. Washington Papers, Library of Congress.

9. W.H. Baldwin, Jr. to Booker T. Washington, September 13, 1900, ibid.

10. Ibid.

11. May 31, 1900, Principal's Office Correspondence, 1900 folder BA-BA2, con. 166, ibid.

showed him a range of possible choices, careful consideration would have been given each one to get the right effect. Although in years past housing had assumed secondary importance in his personal life, it could now be expected to receive more attention as his fame mounted and more people looked to him for guidance. Furthermore, he was ever conscious that his entire generation of former slaves had known only the one room cabin in their early years. And as he pointed out: "...the best evidence of the progress which the race has made since emancipation is the character and quality of the homes which they are building for themselves today."[12]

The result was a two-and-a-half story brick house of fifteen rooms that embodies the principal characteristics of the Queen Anne Style. Among the standard features of this mode to be found in The Oaks are brick walls below, metal shingle gables above; high, multiple roofs whose ridges meet at right angles; windows in a combination of straight and arched tops; and prominent, paneled chiminies. The large veranda surrounding the house, a Queen Anne feature, exhibits characteristics of the incoming Colonial Revival style.[13] This style's appearance in Tuskegee was entirely consistent with contemporary preferences if somewhat late in the cycle.

The years have done little to alter The Oaks' design, perhaps as much as anything because of its use by the Institute since the Washingtons' period of occupancy ended.

Starting from scratch in 1899, the house lot in time underwent intensive development. Grass plots, shrubbery, trees, and a picket fence graced the front yard. A carriageway crossed the plot diagonally, turning under a porte cochere that covered alighting visitors. A front walk bordered by newly planted trees completed this scene. The lot in the rear was fenced in with a high board fence. Within this enclosure there were flower gardens.

The balance of the lot, and this comprised the larger portion, was Washington's favorite spot on the grounds. There he indulged a long felt love of the soil through vegetable gardening and animal husbandry that gave him the satisfaction of being self-sufficient while maintaining his health through exercise.[14]

---

12. Booker T. Washington, "Negro Homes," The Century Magazine, May 1908, p. 71.

13. Marcus Whiffen, American Architecture Since 1780. A Guide to Styles (Cambridge: Massachusettes Institute of Technology Press, 1969), p. 115.

14. Booker T. Washington, Working With the Hands (New York: Doubleday, Page and Co., 1904), pp. 152-157.

Tuskegee, noting that the plan of rotation adopted there and diagramed by him, though intended for a farm of forty acres, "...is perfectly applicable to one of any size down to a garden patch."15 Of this acreage he advocated setting aside one for "house, lawn, flower garden, nut and ornamental trees...(and one) for the garden, orchard and small fruits."16 It may be concluded that his own grounds around The Oaks had all such elements represented.

Thus, the early photographs of The Oaks show it in stark outline against the bare grounds, later ones show its setting transformed - all within a few years. Credit for this transformation must go to David A. Williston, the Institute's horticulturist. Before 1905 the grounds had been developed without system although already intensively by that date. None of this early work is a matter of record, except for a lighting system for the grounds around the house.[17] Late in 1905 Washington applied to Williston for estimates of the contemplated work required to perfect the home site. He received this reply:

> I have your letter relative to the charges for my services on the improvement of your home grounds. In reply permit me to state that my charges will be as names to you $40.00 per acre for the design which will include the following:
>
> (1) an arrangement plan.
> (2) A detailed planting plan.
> (3) A plan for grading.
>
> There are near three acres in your residence site. As to the execution of the named plans, my charges are $5.00 per day. To complete the work, I estimate it would take near sixty days. All over the named time necessary for the completion of the work, I shall make no charge. I cannot finish the job before spring as there are many things which cannot be done until the named season.
>
> I submit you a plan of the summer house which can be built of cedar in this locality for $90-$100.00.

---

15. Ibid., pp. 167-168.

16. Ibid., p. 168.

17. "You will remember my speaking to you with reference to lights about Mr. Washington's house. Three of these will be sufficient..." Emmett J. Scott to Robert R. Taylor, November 4, 1904, Local Correspondence, Dept. of Mechanical Industries folder, 1905, R.R. Taylor (4), con. 553, Booker T. Washington Papers, Library of Congress. "Your order for lights in the Principal's yard is finished." Charles W. Pierce (Electrical Department) to Director of Industries, November 25, 1904, ibid.

I trust this is satisfactory.[18]

It may be presumed this work was done in good season. The drawing and dimensioned plan for this rustic gazebo, to be done in the Rustic Style, has been recovered from the Washington papers in the Library of Congress and is presented in this report as an illustration.[19] It was built in conformance with the plan and found its way into the back yard garden, where it was photographed.

Yet, in time the Washingtons decided to supplement what had already been done. Writing from New York early in 1908 to George Washington Carver, he made a special request: "I wish you would have a talk with Mrs. Washington and decide upon a list of flowers, including rose bushes, etc., which she desires to have purchased for the yard, and send off for what she desires."[20] The same day he made a further request of that gentleman:

> I want you to go through my yard and garden carefully and arrange to put out in the yard and in the garden together about two dozen trees or pieces of shrubbery. I want you to make a careful study of the whole situation and put out such trees and shrubbery as will be suitable for that climate. You can get a good many ideas from the various magazines and outdoor life as well as from the catalogues. I want some trees and shrubber(y) also put in my chicken yard.[21]

Apparently, Carver added a few ideas of his own to those expressed by Washington, for in June of the same year he was busy setting a vine-covered drive to The Oaks:

> I note that nothing has been done in the way of putting the wire screen up over the drive-way of Mr. B.T. Washington's house, which I wrote about. I am ready to set the vines just as soon as this is done, they should not be set before. Also have the young man plough a trench or dig holes about a foot

---

18. November 18, 1905, ibid., folder R.R. Taylor (3). Williston's letter heading presented to him as "D. A. Williston, B. Sc. A. Horticulturist, Landscape and Municipal Engineer."

19. Whiffen, American Architecture Since 1780: A Guide to Styles, p. 109.

20. February 6, 1908, Local Correspondence, folder Agricultural Dept. Experiment Station, 1908, Carver, con. 583, Booker T. Washington Papers, Library of Congress.

21. Ibid.

> apart, around the garden fence beginning south of the poultry yard gate and letting it extend entirely around the fence to where the wire joins Mr. Logan's fence.
>
> I have ordered the Velvet beans and they will be here, I think, in a few days.
>
> Please put him right to work, also have him... put manure in the trench or holes as the case may be.[22]

Little is known about the system of fencing and outbuildings that occupied acreage of the rear of The Oaks and controlled Washington's chickens and livestock. From the foregoing as well as the enclosures shown in the illustrations evaluation may be possible. An additional indication of the situation in the area also emerges from a 1910 instruction Washington issued to R. R. Taylor, respecting some needed maintenance:

> There is some work pertaining to the fences between my house and Mr. Callaway's store which I have been trying to get done ever since I came home. Mr. J.H. Washington and Mr. Williston can tell you about this. I wish you would see that this work is begun without further delay.[23]

The Oaks had a dual role to fulfill in the Tuskegee scheme of things. It was the official residence of the Principal and Mrs. Washington (she being also Director of Industries for Girls), and thus the backdrop of much ceremonious occasion centered on them, and at the same time the Washington family home and the scene of the intimate life shared by him and his loved ones.

As an official residence The Oaks was, first of all, the nerve center of a virtual fiefdom. While it is true that Washington spent much of the working day at his desk in the school's office building, he began and ended a day of total commitment at the home that came to symbolize an absolute power. As biographer Harlan has written:

> ...From his big house (in the plantation sense), 'The Oaks,' Washington ran his school without delegation of authority and with infinite attention to detail... each morning he toured the campus on horseback (of his favorite, "Dexter") and noted...every evidence of student waste or neglect. It all went into his little red note-

---

22. Geo. W. Carver to Mr. Stewart, June 5, 1908, ibid.

23. November 15, 1910, Local Correspondence, folder Dept. of Mechanical Industries, 1910, Taylor, con. 602, ibid.

> book, from which flowed a thousand memoranda reminding errant faculty members of their high duty.[24]

The "den" at The Oaks, far from being a place of relaxation, was his second office, complete to phone and push buttons on the desk.[25]

Adding to the sense of presence conferred on the Oaks by Washington himself was that of Mrs. Washington in her capacity as Director of Industries for Girls. In that role, she was a leading executive of the institution. From her desk in The Oaks came articles on the education of her charges ("What Girls Are Taught, and How") and her efforts to rally southern black housewives to the banners of self-improvement ("Are We Making Good"). She was overseer of curriculum in a great many fields besides sewing, housework, and cooking, that introduced most of the girls to the trades and machinery.

The Oaks also provided an objective for those making the pilgrimage to Tuskegee. After 1895 visiting the celebrated Principal and giving his creation the once over became fashionable. A constant flow of visitors arrived and departed throughout the school year. Among them were many of stature enough to warrant a share of the Principal's time at home. There were receptions to be held during annual meetings of the black educators, businessmen, and farmers sponsored by the school. There were the comings and goings of politicians, journalists, and agents of the school who closeted themselves with Washington in the den to discuss matters of moment. The doors had to be thrown open when the trustees conducted their meetings on campus. On such special occasions as the advent of distinguished visitors or a major celebration, the entire school was mobilized and the guests treated to displays of clockwork-like functioning that emphasized how well in control everything was.

President William McKinley visited Tuskegee in 1898, and, side-by-side with Washington, reviewed the student corps from a stand adjacent to the cottage that then served as the Principal's residence. It may be supposed that this visit gave impetus to the move for constructing The Oaks the next year. References in Tuskegee publications emphasize the influence of this flood of visitors:

> ...Mr. Washington has recently moved into a brick house built just across the main road from the school ground. The building of this house was largely made possible by the kindness of friends of the school in the North. It enables the principal to entertain, more conveniently than he could do in his former residence, many of the guests whom the institute's reputation attracts to Tuskegee as interested visitors.

---

24. Louis R. Harlan, "Booker T. Washington in Biographical Perspective," American Historical Review, October 1970, p. 1582.

25. Anne Kendrick Walker, Tuskegee and the Black Belt (Richmond, Va.; Diezt 1944), p. 25.

> ...the gift of two Brooklyn friends enabled him to erect on his own lot, just opposite the school-grounds his present handsome brick residence, where he dispenses a generous hospitality to the school's guests and to teachers of the Institute.[26]

When the twenty-fifth anniversary celebration brought Secretary of War William Howard Taft, Harvard president Charles W. Eliot, and industrialist-philanthropist Andrew Carnegie together at Tuskegee in 1906, The Oaks was ready - as it was for President Theodore Roosevelt's visit and reception at The Oaks that followed.

During these early years of the century with the new house routinely kept spotless, there was little to be done for it. In 1906 the bathrooms had to be painted. About 1910 pipes of the steam heating system failed, injuring the woodwork and offering the Principal the opportunity of employing once more the correlative method of instruction to a body of the faculty.[27]

It was also a minor redesign project at The Oaks that brought Portia and her husband-to-be together for the first time. While Young William Sidney Pittman worked on a mantle in a second floor she practiced on the upright piano in the first floor parlor. Her playing drew him downstairs and they became acquainted. Eight years her senior and already a faculty member, Pittman came to call, and it was at The Oaks that they courted. Although she left Tuskegee with an understanding, her education held off the match until he served her an ultimatum in 1907. On Thursday evening, October 31, 1907, they were married at The Oaks. As described in the New York Age under the headline "PITTMAN-WASHINGTON WEDDING/Chief Social Event of the Year at Tuskegee Institute" it outdid even the school's celebrated galas:

---

26. Thrasher, Tuskegee, Its Story and Its Work, p.43; Booker T. Washington, ed. Tuskegee and Its People (New York: Appleton, 1906), p. 42.

27. "The man from your department who began work in the bath room at my house has not finished it." Booker T. Washington to R.R. Taylor, June 7, 1906, Local Correspondence, Folder Mechanical Industries Dept., 1906, Taylor, con. 569. Booker T. Washington Papers, Library of Congress. "I have your note in which you state that the painting in your bath room has not yet been finished, but I am writing to state the Mr. Greene has not received any order to do any work there..." R.R. Taylor to Booker T. Washington, June 12, 1906, ibid.; "During your absence I took the whole Mechanical Department over to my house to show the woodwork has been spoiled by not testing the pipes before the steam was turned on..," Booker T. Washington to R.R. Taylor, November 8, 1910, Local Correspondence, Folder Mechanical Industries Dept., 1910, con. 602 ibid.

> The chief social event of the year at Tuskegee Institute was the marriage Thursday evening, October 31, at "The Oaks," Principal and Mrs. Washington's residence, of Miss Portia Marshall Washington and Mr. William Sidney Pittman, of Washington, D.C. The whole affair was simple and impressive in its dignity. The electrical division of the school transformed the entire grounds of "The Oaks" into a blaze of light by utilizing colored lights in the trees, among the rose bushes, hedges, and in the various nooks and corners. Similarly, on the inside of the house, decorations of grasses, ferns, wild Southern smilax, white roses, with multi-colored lights, made the interior most beautiful. A great canopy in the main reception room had been erected, and it was under this that the ceremony was performed by Chaplain J.W. Whittaker.
>
> Just before the wedding procession formed, Mrs. Washington and her son, Davidson, took their places to the right of the canopy. Miss Gertrude Washington played the solemn Mendelssohn wedding march, and the ushers, Messrs. Nathan Hunt, John Washington, Jr., Geo. Austin and G.W.A. Johnston, led the procession. Then followed the groom-elect and his best man, Mr. W.R. Griffin of Washington, D.C., and in order, the bridesmaid, Miss Gertrude Watkins, of Montgomery, Ala., and last, the bride-elect, Miss Washington, leaning on the arm of her father, Dr. Booker T. Washington. After the ceremony congratulations of the assembled guests were earnestly and sincerely bestowed.[28]

Finally, at the scene of many triumphs and some defeats, Washington died in November 1915.[29]

Outwardly, at least, the death of Washington had little effect on The Oaks. By provision of the will, it would continue to be the home of his widow:

> ...I give and devise to my said wife, Margaret J. Washington, my present residence house and lot, with all its appurtenances,...together with all the furniture, pictures, ornaments, books, and bric-a-brac that may be contained in said residence at the time of my death; to have and use during the term of her life,

---

28. The New York Age, November 7, 1907

29. Ruth Ann Stewart, The Life of Portia Washington Pittman, The Daughter of Booker T. Washington (Garden City, New York: Doubleday, 1977), p.88.

> and upon her death to go to my children, Portia Washington Pittman, Booker T. and Ernest D. Washington, equally in fee simple.[30]

Both sons were still living at home, so the family circle, while narrowed, remained in existence. Mrs. Washington lived at The Oaks for the rest of her life, and her commitment to Tuskegee remained unimpaired. She continued on as Director of Industries for Girls for a number of years. She retained active interest in the women's clubs until the end. At last, she died in her sleep on June 4, 1925. In all she had been mistress of the Oaks for a quarter century.[31]

Tuskegee's board of trustees purchased The Oaks from the heirs. The furniture was sold at auction, with the exception of those pieces in the den and some of the bedrooms. The den was kept in the same order Washington had given it during his lifetime. The rest of the house served for about ten years as a meeting place, maintained by the Women's Club of Tuskegee Institute. Eventually, The Oaks became a student services building, in the last stage particularly for foreign students with some space reserved for an alumni office. The den remained a museum in the memory of the founder.

The Oaks was subjected change in the 1950's when it was remodeled for administrative offices for the Institute. The numerous modifications made by the Institute are further delineated in the architectural data section.

---

30. Last Will and Testament of Booker T. Washington, May 25, 1909, Macon County Records, Alabama.

31. Stewart, The Life of Portia Washington Pittman, The Daughter of Booker T. Washington, p. 88.

APPENDIX

A considerable amount of the material and labor for the construction and maintenance work which was done on The Oaks came from Tuskegee Institute. Unforntunately, there is little documentary evidence to indicate what work was done by Tuskegee Institute and what work was done by outside contractors. The following article from the April 28, 1906 issue of The Tuskegee Student gives some indication of what type of work could have been accomplished by the school:

GENERAL INFORMATION

> The Institution was established under the name of the Tuskegee State Normal School, by an act of the Alabama Legislature, session of 1880, appropriating two thousand dollars. The School was opened for its first session, July 1, 1881, in a rented shanty church, with thirty pupils in attendance and with but one teacher..... During the first session of 1893 the school, the present location consisting, at the time of one hundred acres, with three small buildings thereon, was purchased by Northern friends.
>
> The aim of the School is to give its students such thorough training in the elements of the natural and historical sciences, in the industries and in morals and religion, as will best fit them to become the leaders of their people in the communities to which they go, to the end that there may be higher and healthier moral and material conditions among the masses of the Negro people.....

The Industrial Department

> The story of the Industries is the story of the school. The first need of the school was food, and the first industry was farming. Other industries have grown up as the demands of the school made them necessary and circumstances made the teaching of them possible and profitable. Including the Agricultural Department and the industries for girls, there are now thirty-seven different trades or professions taught at Tuskegee.
>
> The Industries are grouped under three departments: the School of Agriculture, the Department of Mechanical Industries and the Industries for Girls. (Each one of these departments has a separate building

or group of buildings in which the work of the School is done. The Agricultural School, has in addition to its laboratories, the Farm and the Experiment Station, where practical and experimental work is performed.)

The School of Agriculture

...Landscape Gardening, Horticulture and Floriculture have recently been added to the industries taught by the school. Horticulture was started as far back as 1895. Floriculture was added in 1904 when, through the kindness of a friend, the school was given the money with which to build a Greenhouse. This has enabled the school to take up the work of beautifying the grounds and has enabled it to prepare a certain number of its students to perform a kind of service for which there is a very considerable demand. Last year the students in this department planted 1,010 trees and 7,803 shrubs, and did altogether for the institution, including the value of the trees and shrubs planted, labor to the amount of $7,392. Owing to the nature of the soil, the problem of laying out the grounds and maintaining the streets and providing for the surface drainage, has been one of the most trying problems the school has had to face. All this work is at present done by the students under the direction of the teacher of landscape gardening.....

The Mechanical Industries

The shops in which the mechanical trades are taught are in the Slater-Armstrong Memorial Trades Building. this building contains the carpenter shop, printing office, tailor shop, repair shop, black-smithy, shoe shop, foundry, the schools for the wheelwrighting, harnessmaking and carriage trimming, plumbing, steam-fitting, electric lighting and a number of other trades. The saw mill and the brick kiln, which are included in this department are necessarily outside this building. Brick masonry is taught on the ground where the actual operations are conducted.

The Girls' Trades are located in Dorothy Hall, a building erected in 1901. This building contains the laundry, the cooking school, the dressmaking and millinery shops. In this building baskets, mattresses, brooms and soap are made. The Hospital Training School is located in the Hospital at the northeast end of the grounds.

The First Bricks made were used in building Alabama Hall. Brickmaking, the second industry on

the grounds, was started in 1883. The first bricks were made by hand in the ravine between Alabama Hall and the Chapel. The first machine for making brick was made of wood and run by horse power. It had a capacity of about 8,000 per day. The two machines now in use have a rated daily capacity of 25,000 each. They have been in operation since 1895. Last year 970,000 bricks were manufactured, valued at $7,275. Of this number - 278,284, valued at $2,226.27 were sold to parties outside the school, while 31,116 valued at $3,619.02 were deliverd to the school.

Brick-Laying and Plastering, started in 1883, were the next industries. Carpentry followed the next year. None of these industries were started merely for the purpose of teaching a trade. At the time the Brick Yard was established there was no brick made in this part of the country and it was found cheaper to manufacture the bricks on the ground than to ship them in. At the same time it gave an opportunity to teach the pupils the trade.

Blacksmithing was started in a little frame building 12 by 16 and with a very crude outfit. The school found it better and cheaper to have its own shop to do odd jobs at the school than to have them done elsewhere. This gave an opportunity to introduce the teaching of this trade at the school. Laundering and Plain Sewing were introduced in the same year and these, with cooking, furnished the basis for the instruction of the girls in the industries. The Blacksmith shop did work to the value of $2,312.82 last year. This included the iron work on twenty vehicles, the making of ten fire escapes and repair work for various departments of the school.

Carpentry was introduced in 1884. Work was begun in a small building known as the John F. Slater Carpenter Shop. This trade has steadily grown in importance since that time. At present there are five instructors and 125 persons employed. It does the woodwork on all the buildings erected by the school. Wood Turning Scroll and Machine Work, and Cabinet Making have been added since that time. This has enabled the school to make a good deal of its own furniture and repairs that would otherwise have been done outside the school. The work done by this department last year amounted to $22,202.04. This included $369.51 worth of work done for citizens of Tuskegee.

The School Saw Mill was started in 1886. At that time the school owned a large tract of heavily timbered land. Investigation showed that this timber could be cut and manufactured into lumber at a considerable saving. This made it possible to establish a new industry which has turned out a large part of the lumber that has gone into the buildings that have been erected on the grounds since that time.....

The Bill for Tinware had grown so large in 1890 that it led the officers of the school to inquire if it would not be profitable to establish a Tin Shop on the grounds. Mr. Lewis Adams, a colored man who had from the first been interested in the school, was at that time doing the work. It was found that he could be employed to do this work on the school grounds and give instruction to the students for less than the school was paying him during the year for odd jobs. Mr. Adams was also a harnessmaker, and a shoemaker, and did a large amount of repairing for the school. It was decided to employ him and let him teach all of these trades. About 900 pieces of tinware, basins, wash cans, slop cans, etc., were made last year in the tin shop. The tin roof on the blacksmith shop and Emery Dormitory No. 3 was the work of this Division, the total value of which was $1,500.00. In the Shoe Shop 45 pairs of shoes were made to order and 1,114 pairs were repaired. The total value of the work of the Division was $1,170.81. The harness shop made last year 38 pairs of harness, and did other work to the value in all of $2,833.34. Forty-one students were enrolled in this department last year, but not more than 16 at a time.....

After a machine shop was well started, a Plumbing and Steamfitting Division was established. Since that time the school has done its own plumbing. The total value of business from the Machine Shop last year was $16,729.94....

Thirty-five Hundred Electric Lights are used to light the buildings and grounds of the school. A dynamo was purchased in 1898 and the first electric lights used upon the grounds were those put into the Chapel in that year. This method of lighting was gradually extended to other buildings until nearly all are lighted by electricity. The work of putting in, extending and maintaining this plant has been made the basis of a course of practical instruction in electricity.

Painting was first taught as a separate industry in 1891. Previous to that time there were special students

in the Carpenter and Wheelwright Shops who did this work. Since the trade was established the students have done a large amount of the work not only for the town of Tuskegee, where there is no paint shop, but for the whole surrounding country. This work has ranged from painting wheelbarrows and wagons to the polishing and varnishing of the finest mahogany furniture....

Architectural and Mechanical Drawing were at first taught in connection with the separate Industries. They now constitute a separate department. Mechanical Drawing is necessary in all mechanical trades, since a large part of the teaching consists in making designs and drawing patterns. There were 429 students enrolled in the Department of Mechanical Drawing last year. To a large extent the blue prints made in the Drawing-room by the students and the teachers are the actual text-books of the school in the different industries. The value of the work of the Department or Architectural Drawing was in 1905 $1,318.30. Among the more important plans drawn last year were those for the new Dining Hall, for Emery Domitory No. 3, additions to the cottages, drawings for wagons, etc.....

HEAT, LIGHT, WATER, DRAINAGE

As the school community has grown the problem of providing light, heat, and an adequate and economical system of drainage and of water supply is becoming every year more urgent. When the Chapel was completed in 1898 it was provided with steam heat and electric lights. This was the first attempt at steam heating on the grounds. Gradually steam heating has been extended until now about two-thirds of the buildings are heated in this way. The school now has two separate heating plants. Last year the boilers which had supplied the power for the shops were removed to a separate building and are now used for heating the boys dormitories as well as the Chapel. The coal consumed by these two plants amounts at present to 4,450 tons annually, which, at a cost of $3.52 per ton, is equal to $15,664. The cost of lighting the streets and buildings is $5,503.72 a year. Of this amount $526.50 is for lighting the streets and $4,977.22 is for lighting the buildings.

Water was at first provided by means of shallow wells. Until 1892 this was the only source of supply. In 1889, 1890 and 1891 the school suffered from lack of water. In 1891 a large spring was found on a piece of land about three-quarters of a mile from the school campus. It was believed at this time that this spring

would supply all the needs of the school. The water was carried a considerable distance by gravitation to a large reservoir where a pumping station was established and the water distributed from that point to different parts of the grounds. At that time the school was using 8,000 gallons of water a day. Later a second pumping station was erected to supply water to the stock. Now the school consumes 130,000 gallons. This is supplied in part by the wells, in part by the pumping station and in part by the water system of the town. The school is now sinking an artesian well in the hope of securing an adequate supply of water in that way. An extension of the water works system is needed in the direction of the new boys' dormitories, in order to insure protection in case of fire.

The Electrical Light Plant was used for lighting the Chapel when it was completed in 1898. The power was supplied through the Machine Shop. When a few years later a larger generator was installed it was found necessary to provide it with an engine of its own. By the time the Academic Building was completed in 1904, it was found that the machine was only able to light the building and the dormitories when most of the street lights were turned off. A larger machine was set up in August, 1904. Power is now furnished to 3,500 incandescent lights and ten arc lamps, used in lighting the buildings and grounds. When the new Dining Hall and the Tantum Dormitory are completed at least 600 additional lights will be needed. This will make necessary a considerable addition to the present plant. It is desirable also to provide for the extension of the electric lighting service to the village of South Greenwood. It seems also desirable at some time in the near future to use electric motors to supply power to the different pieces of machinery in the shops, since it seems that this will be more economical than steam for this purpose.

The Drainage System of the school is, as yet, in a very imperfect condition. Until now it has been necessary to rely upon the natural drainage of the land, supplemented by such elementary provision as the actual conditions compelled. It is planned to make use of the excellent natural drainage system to carry off the waste and refuse of the school to a point farther down the ravine into which it now flows where it can be sorted out and used as fertilizer. In connection with this it is planned to so control the present course of the stream that much of the waste land can be reclaimed

and converted into a truck garden.

The railway which connects the school with the station in town was built in 1893 and 1894.

Selected Bibliography

Dozier, Richard. "The Black Architectural Experience in America." American Institute of Architects Journal July 1976.

Harlan, Louis R. "Booker T. Washington in Biographical Perspective." American Historical Review October 1970.

Harlan, Louis R. et al. The Booker T. Washington Papers. 7 vols. Urbana: University of Illinois Press, 1976.

The New York Age. November 7, 1907.

Stewart, Ruth Ann. The Life of Portia Washington Pittman, The Daughter of Booker T. Washington. Garden City: Doubleday, 1977.

Thrasher, Max Bennett. Tuskegee, Its Story and Its Work. Boston Small, Maynard and Co., 1900.

Tuskegee. Macon County Courthouse Records.

The Tuskegee Student. 1906.

Walker, Anne Kendrick. Tuskegee and the Black Belt. Richmond: Dietz, 1944.

Washington, Booker T. "Negro Homes." The Century Magazine. May, 1908.

Washington, Booker T. Tuskegee and Its People. New York: Appleton, 1906.

Washington, Booker T. Working With the Hands. New York: Doubleday, Page and Co., 1904.

Washington, Booker T. Up Fron Slavery. New York: Doubleday, Page and Co., 1901.

Washington D.C. Library of Congress. Booker T. Washington Papers.

Whiffen, Marcus. American Architecture Since 1780: A Guide to Styles. Cambridge: Massachusetts Institute of Technology Press, 1969.

ILLUSTRATIONS

Figure 1. Northeast Corner of the Oaks, ca. 1906. Note the conservatory, the well house, and the then-unconstructed second-floor wing. (Alabama Collection, Detroit Publishing Company)

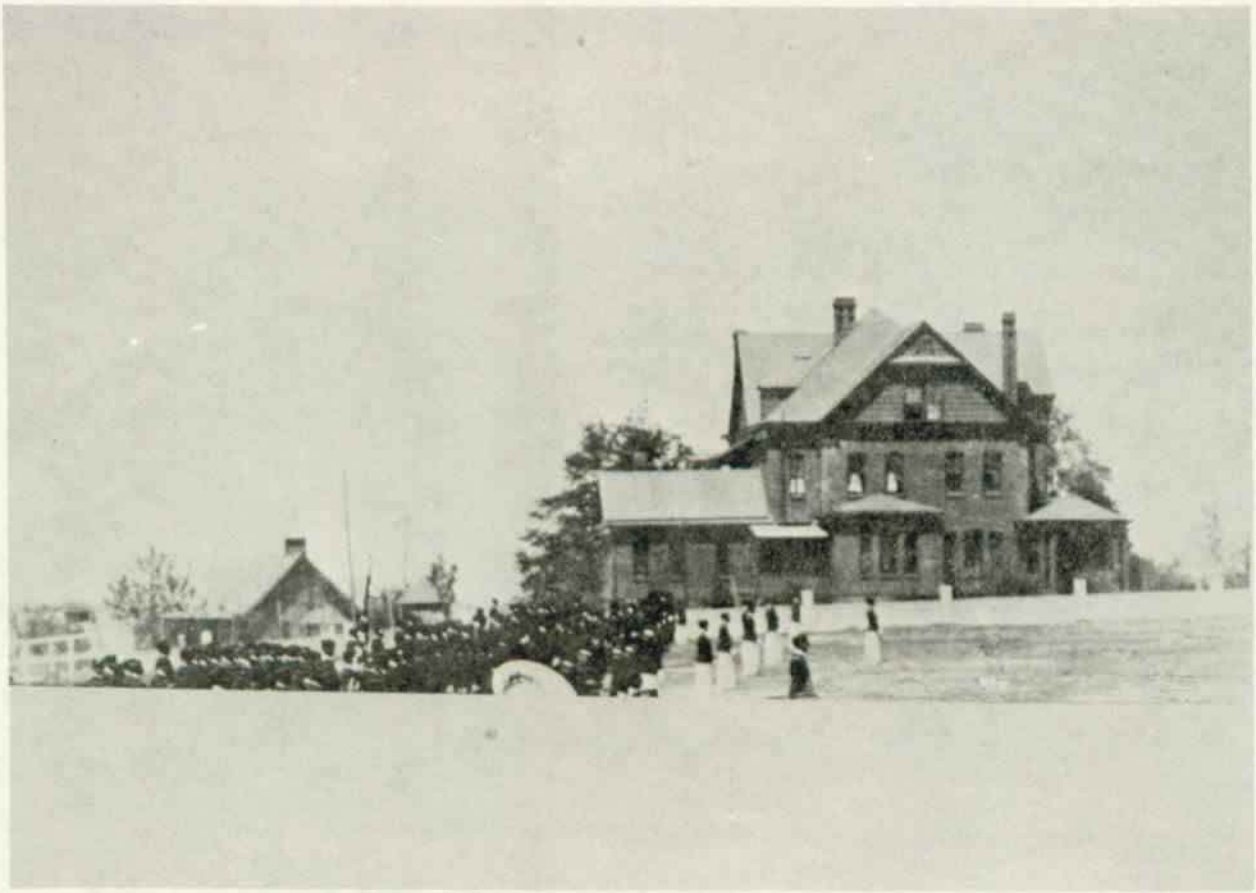


Figure 2. East Elevation of the Oaks, 1906. Note the conservatory, the rear wing, and the carriage house. (Frances Benjamin Johnston Collection, Library of Congress)

Figure 3. Northwest Corner of the Oaks, 1902. Note the construction of the veranda and porches, the interior window shutters, and the stovepipe for the third-floor north bedroom. (Frances Benjamin Johnston Collection, Library of Congress)

Figure 4. Northwest Corner of the Oaks, ca. 1914. Note the modification made to the second-floor porch. (Gladys G. Wittemann Collection, Library of Congress)

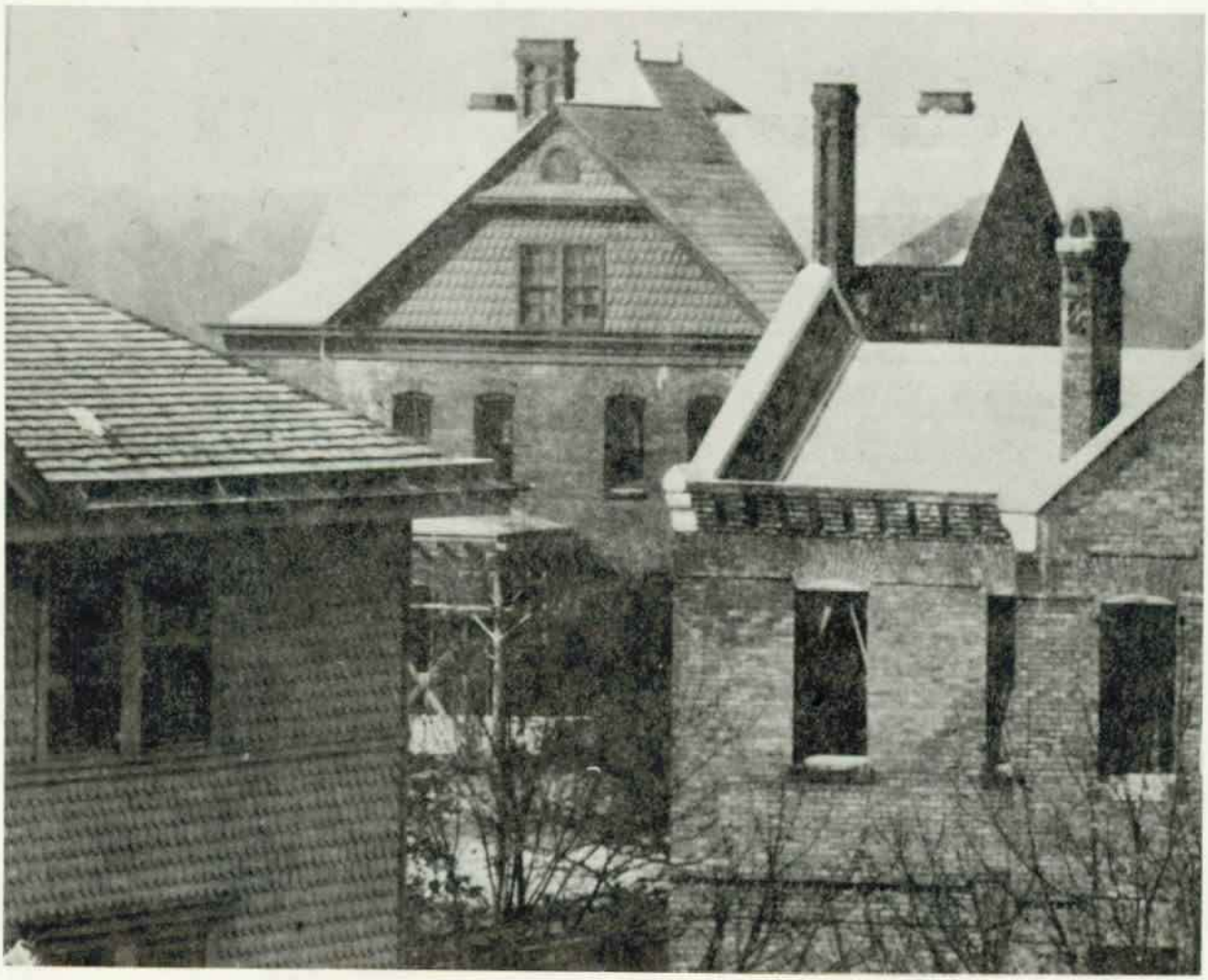


Figure 6. From Overall View of Tuskegee Campus, 1902. Note the Oaks with the dining room addition under construction. (Frances Benjamin Johnston Collection, Library of Congress)

Figure 5. South Elevation of the Oaks, 1906. Note the well house, gazebo, carriage house, rear wing, porches, dormer, and stovepipe for the third-floor bedroom. (Frances Benjamin Johnston Collection, Library of Congress)

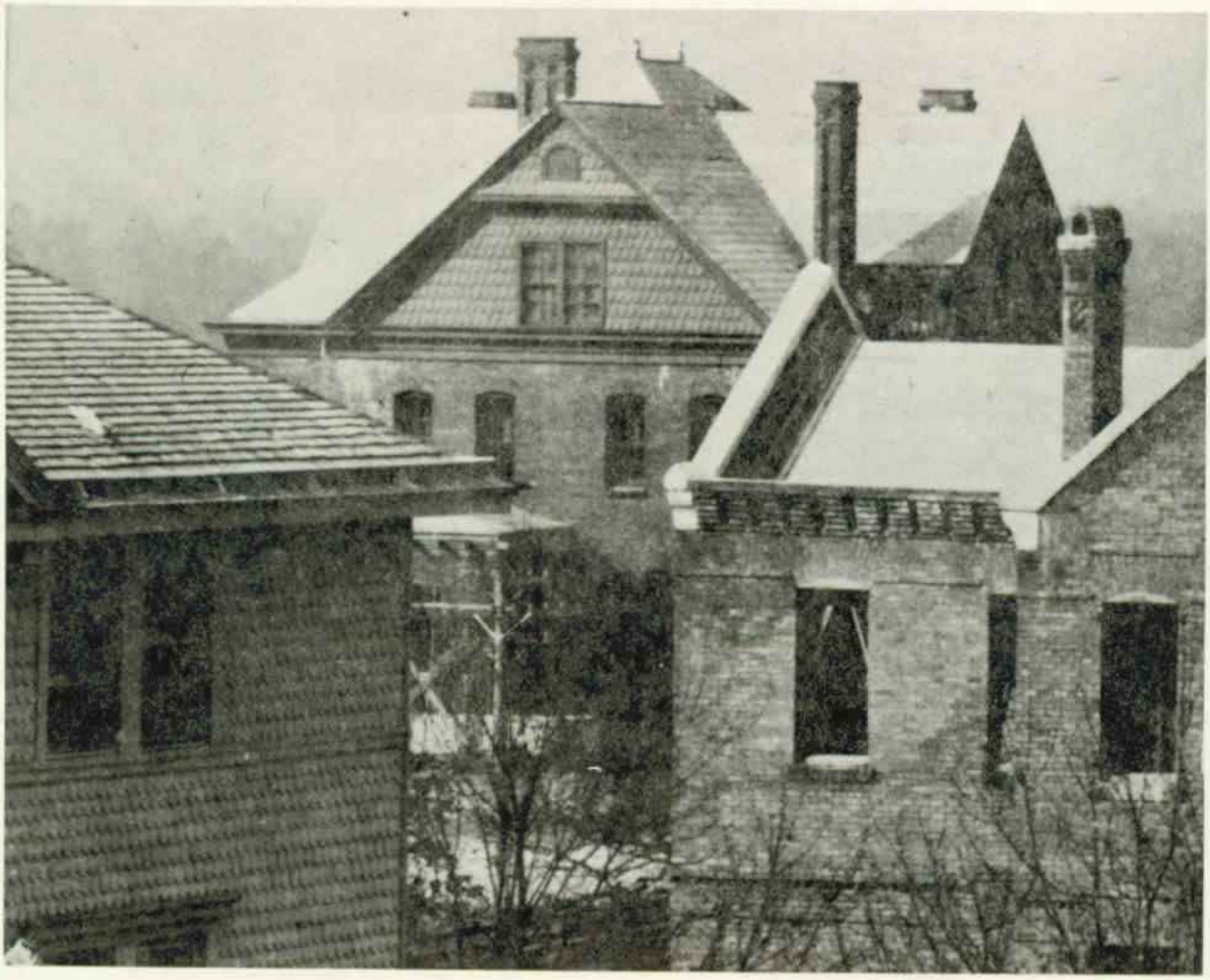


Figure 6. From Overall View of Tuskegee Campus, 1902. Note the Oaks with the dining room addition under construction. (Frances Benjamin Johnston Collection, Library of Congress)

Figure 7. View from Study into Parlor, The Oaks, ca. 1902 Note the light fixtures and the fireplace. (Frances Benjamin Johnston Collection, Library of Congress)

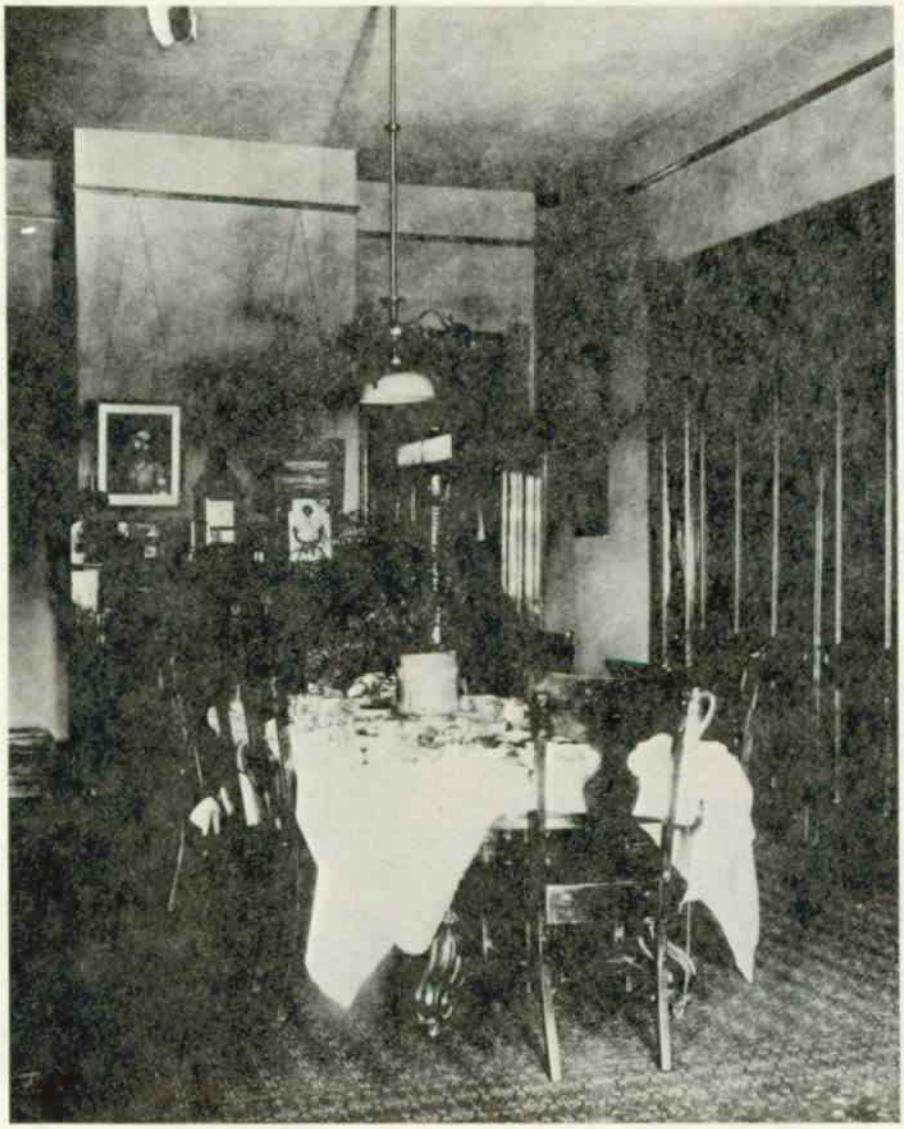


Figure 8. Dining Room, The Oaks, ca. 1902. Note the light fixture, fireplace, gilded picture molding, frieze, and wall color. (Frances Benjamin Johnston Collection, Library of Congress)

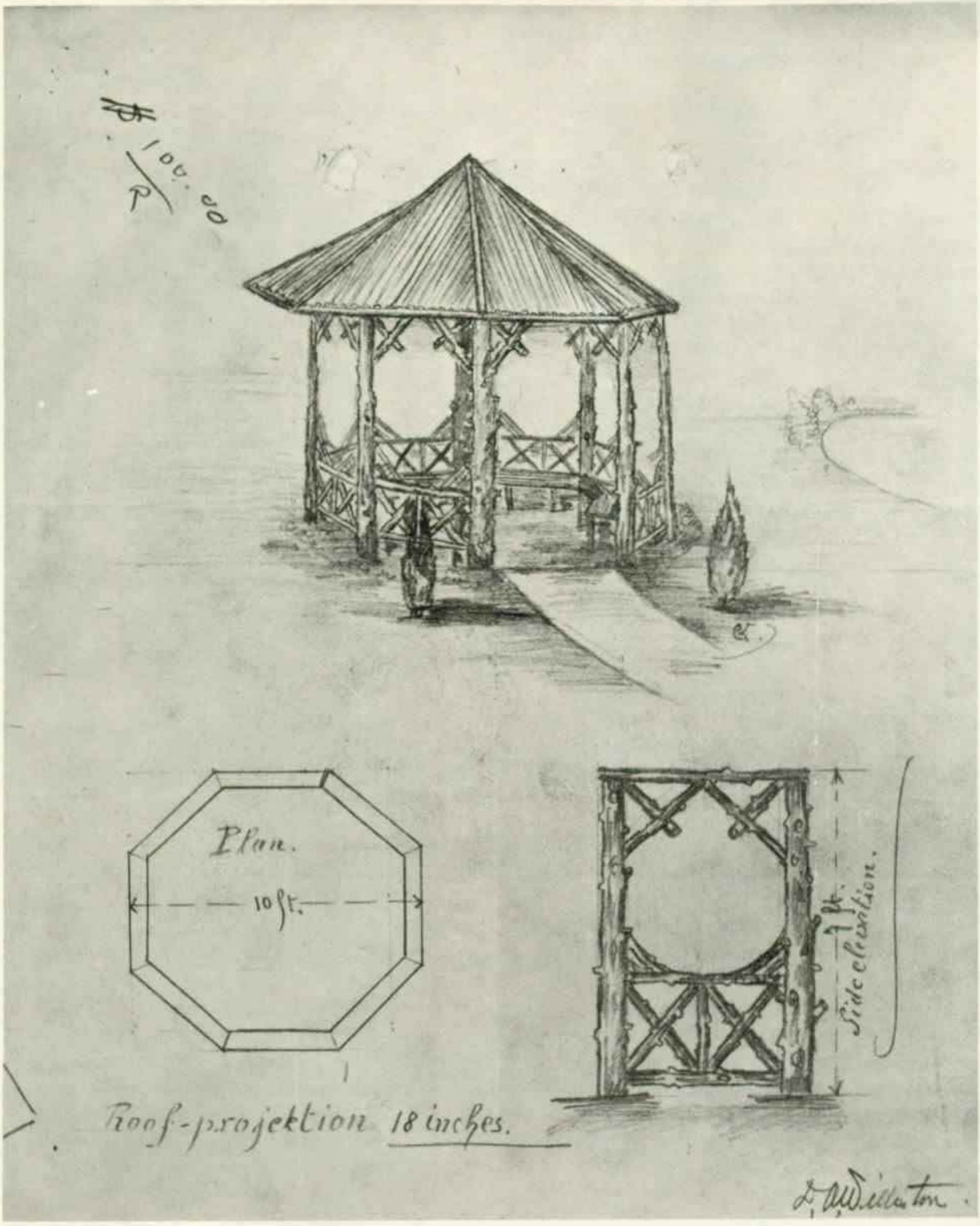


Figure 9. Gazebo Drawings, The Oaks, ca. 1899 by D.A. Williston. (Library of Congress)

LANDSCAPE DATA SECTION

Williams-Russell and Associates
Edward L. Pryce, R.L.A.

Denver Service Center
National Park Service

BACKGROUND OF THE AREA

A. Geographic Location

Tuskegee is located in east-central Alabama, 40 miles east of Montgomery and 51 miles west of Columbus, Georgia. It is served by U.S. Highway 80 and Interstate 85. Atlanta is 133 miles northeast via I-85.

B. Brief History of the Area

Tuskegee, county seat of Macon County, was laid out in 1833 in which year the county was created out of land once comprising the Creek Nation. The antebellum period saw Tuskegee prosper as plantations were established and flourished on the then rich virgin soil. Merchants followed the influx, along with lawyers, doctors and other professional people and tradesmen. The city grew, and in the mid-1840s, a number of schools were opened to train the white youth of the area. The War between the States brought an end to the old way of life, but education has continued to play an important role in the economy of the city because of the establishment of Tuskegee Institute.

Tuskegee Institute was founded in 1881 by an act of the General Assembly of Alabama. The slaves in the area were familiar with the educational facilities for the whites and realized their importance. Thus, it was not surprising that soon after the emancipation, a mulatto son of a white planter set up a trade school for blacks. Later this same man, Lewis Adams, teamed up with George W. Campbell, a white businessman of the community, to push the enabling legislation and appropriation for Tuskegee Institute through the Alabama Legislature.[1]

C. Campus Landscaping

The landscape development of the Tuskegee Institute campus has been directed by a landscape architect practically from its inception. David A. Williston, a black who graduated from Cornell University under the nation's then most eminent horticulturist, Liberty Hyde Bailey, in 1898, in landscape gardening, first came to Tuskegee in 1902. He returned in 1910 to spend the next nineteen years of his career as superintendent of buildings and grounds, in charge of building maintenance as well as all landscape planning, construction and maintenance. He controlled the landscape developments of the campus directly until 1929 when he moved to Washington, D.C. to enter full-time private practice of landscape architecture. Williston continued landscape planning for Tuskegee Institute on a consultant basis until 1948 when Edward L. Pryce, landscape architect, joined the faculty.

Scarcity of funds at Tuskegee Institute dictated, to a large degree, the nature of Williston's landscape design. His construction and maintenance crews consisted mostly of students who were available

---

1. Based on data contained in the "Plan of Historic Preservation for the City of Tuskegee, w/Special Emphasis on Tuskegee Institute" (Montgomery: Alabama Historical Commission, 1972).

only a few hours a day between or after classes. Most of the trees were transplanted from the surrounding woods, and other native materials were used extensively in landscape development. He paved the roads and paths with white chert dug from pits on campus and edged them with valley gutters made from concrete and local iron stone. Native shrubs were used where suitable. However, the construction of a greenhouse in 1904 permitted him to grow--from seeds and cuttings--many imported plants for use in landscaping.

Native trees planted on campus by Williston from 1902 to 1948 were as follows:

Ulmus alata
Quercus nigra
Quercus phellos
Juniperus virginiana
Platanus occidentalis
Prunus caroliniana
Cornus florida
Liquidambar styraciflua
Ulmus americana
Quercus falcata
Acer rubrum
Mognolia grandiflora
Catalpa bignonioides
Chionanthus virginiana
Cercis canadensis
Ilex opaca

Other native plants he used on campus were:

Yucca aloifolia
Yucca filamentosa
Ilex vomitoria
Erythrina herbacaea
Kalmia latifolia
Bignonia capreolata
Calycanthus floridus
Callicarpa americana
Gelsemium sempervirens

Williston also planted non-native materials secured from a variety of sources. Some were purchased from Chase Nurseries in Huntsville, Alabama; some were donated. Others were from the U.S. Department of Agriculture, Plant Introduction Section, sent to Dr. G.W. Carver for field trial.

One of his favorite planting combinations was wax-leaf privet in back of nandina. He used this planting at the corners of buildings at several points on campus: Willcox "A", Huntington Dormitory, Band Cottage. Yaupon holly and nandina was another favorite combination of his. For reasons of economy, many deciduous shrubs were used. The most common were:

Cydonia japonica
Exochorda grandiflora
Forsythia intermedia
Hibuscus syriacus
Jasminum nudiflorum
Lonicera fragrantissima
Spiraea thunbergi
Spiraea von houttei
Ligustrum amurense
Ligustrum sinense

Williston used several non-native coniferous evergreen trees and shrubs:

Cedrus deodara
Juniperus chinensis pfitzeriana
Thuja occidentale
Thuja orientalis

The foregoing information about D.A. Williston was written from recollection by the author who, while a student at Tuskegee Institute from 1934-37, worked with Mr. Williston from time to time.

D. David A. Williston - August 4, 1978
David A. Williston (From Cornell University Alumni Records)

Born - Fayetteville, N.C. - 1871
Died - July 28, 1962, Washington, D.C.
Prep School at Howard University prior to 1896
Graduated from Cornell, B.S. Agriculture, 1898
Studied municipal engineering at Scranton International College, Penn.
1898-1901 Prof. Agri. at State College of N.C. at Greensboro
1901- 1902 Prof. Agri. at State College of Missouri at Jefferson City
1902-1906 Prof. of Hort. and Landscape Gardener at Tuskegee Normal and Industrial Institute (TNII)
1907-1910 Prof. Agri. at Fisk University
1910-1929 Supt. of Bldgs. and Grounds, TNII
1929- Landscape Architect at Tennesee State
1934-1962 Private Practice, Washington, D.C.

> "David A. Williston has contributed to the field of landscape architecture. He has engineered the work at the Veterans' Hospital, Tuskegee, Alabama, Atlanta University, Tuskegee Institute, Howard University, A. and I. State College, Nashville, Tennessee, and the Langston Terrace in Washington, D.C. His knowledge of plant life and soils has made his work outstanding."[2]

E. Edward L. Pryce

Edward L. Pryce was born in Lake Charles, Lousiana, May 26, 1914 and reared in Los Angeles, California.

EDUCATION: B.S., Tuskegee Institute, 1937; B.L.A., Ohio State University, 1948; M.L.A., University of California at Berkeley, 1953.

PROFESSIONAL EXPERIENCE: Landscape gardener, San Marino, California, 1937-39; park maintenance foreman, City Park Department, Los Angeles, 1939-43; defense industries employee, 1943-45; head, Department of Ornamental Horticulture, Tuskegee Institute, 1955-69; professor (part-time), Department of Architecture, Tuskegee Institute, 1969-77. He is currently engaged in the private practice of landscape architecture, having been licensed in 1948.

Pryce has served as consultant in facilities planning at Zorzor and Kakata Teacher Training Schools, Liberia, West Africa, 1966; for Southern Association of Schools and Colleges, 1969-71; for National Association of College and University Business Officers, 1972. At present he is a consultant in grounds maintenance for the R.R. Moton Memorial Institute's College Management Program and for Tuskegee Institute.

---

2. Eppse, Merl R., The Negro, Too, in American History (Nashville: National Publication Co., 1943), p. 369.

He has participated as a faculty member in workshops conducted by College Physical Plant and Business Managers, 1972; Garden Clubs of Alabama, 1975-77; Columbus, Georgia Annual Shade Tree Conference, 1975. He has developed master plans for Tuskegee Institute, St. Augustine's College and Njala University College, Sierra Leone, West Africa and designed several parks and playgrounds for the City of Tuskegee.

AFFILIATIONS: Pryce is a member of the American Society of Landscape Architects; member Alabama State Board of Examiners for Landscape Architects; former member, Board of Advisors, Alabama Historical Commission; member Macon County Historical Society; member, Board of Directors, Tuskegee Federal Savings and Loan Association and has served as a Tuskegee Model Cities commissioner and member of the Tuskegee Planning Commission. He is chairman of the laymen, Greenwood Missionary Baptist Church.

AWARDS: He received the ASLA Award of Merit, Ohio State University, 1948; the James Fund Fellowship Award, 1952-53; the Tuskegee Institute Alumni Merit Award, 1977 and is listed in Who's Who in the South and Southwest.

Pryce has had some successful exhibits of his art works, having won awards for painting and sculpture at the Atlanta University Art Exhibits and at Beaux Arts Build shows in Tuskegee. Several of his works are on display in various Tuskegee campus buildings and include the mural in the lower lobby of the chapel.

He is married and the father of two children.

THE OAKS

A. Introduction

The Oaks, home of Tuskegee Institute's founder, Booker T. Washington, was built on two parcels of land purchased by Washington. The first parcel was obtained from H.C. Ferguson on December 31, 1889. The second was bought from H.C. Ferguson and his wife, M.C. Ferguson, on June 7, 1893. These two lots combined to give 160 feet of frontage along the Montgomery Road and were 492 feet deep. (Exhibit 1). Since the developed land around The Oaks measures approximately 236 feet across the front, there was an apparent overlapping of boundaries with land later purchased by Tuskegee Institute. (See drawing B-1 - Appendix B).

The house, a three-story brick structure with basement, was completed in 1899. In a photograph dated 1901 (see figure 3, History Data Section), a screen of large-leafed vines is shown around the front and west side porches. This was probably Dutchman's Pipe vine, Aristolochia sipho, a popular one very often used for privacy and shade during this period. Often, around a new home, with young trees too small to cast useful shade, fast-growing annual and perennial vines were trellis-grown to provide the required sun control.[2]

In figure 4 of the History Data Section, showing the front and west sides of the house, the vines have effectively screened the porches on the ground floor. Flower pots appear at the front steps and several small trees have been planted.

Exhibit 2, presumably taken at the time of the visit of President Theodore Roosevelt in 1907, indicates several small trees planted along the entrance driveway. A planting of Yucca aloifolia is shown near the drive entrance.

The earliest map found in the plan files of the Physical Plant Department of Tuskegee Institute was a topographical map of the campus dated June, 1911, (Exhibit 3). This map locates the house, driveways and principal tree plantings. Another map by the same engineer, dated January 24, 1913, additionally shows the location of the barn and sewer lines, (Exhibit 4).

B. Plan of Land Use and Landscape Development - circa 1911 (See drawing B-2 - Appendix B)

This plan was drawn from the above-mentioned maps, from photographs, and from the recollections of persons who worked, played, or visited around The Oaks. The drawing of a gazebo or summer house, designed by David A. Williston (see figure 9 - History Data Section) was found among the Washington papers in the Library of Congress. This octagonal gazebo and a four-sided one are shown in a photograph (see figure 5 - History Data Section) also from the Library of Congress. The latter shows the carriage house and a barn with a cold frame and vegetable garden on the slope below. A row of small trees, presumably fruit trees, is shown between the barn and the cold frame. Although

---

2. Waugh, Frank A., Book of Landscape Gardening (New York: Orange Judd Co., 1935 Third Edition, 1899 First Edition, p. 66.

no large trees are pictured, the 1911 map does show some tree locations. The existing trees, twenty inches or more in diameter, at breast height, would probably have been in place at this time. All of the trees except the fruit, pecan, and deodar are native and as is still the custom, were taken from the woods as two to three-inch saplings. The rate of growth of native trees in this area is approximately 1/4 to 1/3 of an inch per year, which would safely assure the larger trees a place on the grounds by 1911.

The location of the chicken yard is verified by Mr. Harold Logan who grew up in the Logan house next door to The Oaks. He recalls that a peacock belonging to Mrs. Washington strutted around the house and that he made many vain attempts to pluck feathers from its gaudy tail. He further remembers a gray horse named Dexter that pulled Mrs. Washington's buggy. He thinks there was a cow, but is not positive. In all probability, therefore, the area below the fenced-in garden was a pasture.[3]

C. The Oaks in 1925 (See Drawing B-3 - Appendix B)

The most obvious change undergone by The Oaks between 1911 and 1925 was the removal of the carriage house and barn. A two-car garage was built during this time. Williston's gazebo and the four-sided summer house are no longer in existence and were probably demolished by 1915 since Mrs. Hattie West Kelly recalls that as a student at the Tuskegee Normal School in 1915, neither of these structures was on the big lawn at the side of the house where social activities were held.[4]

Although some alterations and additions were made to the house between 1911 and 1925, these changes had no apparent effect on the use of the grounds. A map of the house and surroundings made in 1917 shows the driveway going around the porte-cochere, (Exhibit 5). Part of the driveway with this alignment exists to the present, edged by concrete valley gutters. The valley gutters, from the street to a point near the dining room, have been completely or partially removed and/or covered over. The gravel and chert paving under the porte-cochere is still visible around the edges of the present asphalt paving, which was installed around 1958. It is difficult to understand why the valley gutters were not installed under the porte-cochere to facilitate its use. Exhibit 6 indicates that the driveway under the porte-cochere was in use about 1915. This photograph also shows the existing red cedar and southern magnolia growing at the front. A hedge along the street is also pictured. The present brick wall at the sidewalk is not pictured, but a Spiraea thungergi hedge adjacent to and paralleling the brick wall was removed by the author in the 1950s, (Exhibit 7). The Pfitzer junipers now growing on one side of the front walk were undoubtedly balanced by a similar group on the other side as is the custom with such plantings. (See drawing B-3 - Appendix B).

---

3. Mr. Harold Logan. Interview, August 12, 1978.

4. Mrs. Hattie West Kelly. Interview, August 15, 1978.

The Amur River South privet used as a hedge on the east and west boundaries is still evident in spite of being overtaken by yaupon on the east and wistaria and canna lilies on the west. The Macartney rose, very often planted by D.A. Williston because of its hardiness and resistance to diseases and pests, is still doing well on the western boundary here. Williston told the author that he planted the Macartney roses in the early 1920s in several places on campus as evergreen pedestrian-control devices. This rose is still to be seen growing at the Huntington Memorial Academic building and at James Hall.

The vegetable garden and the rest of the property to the south was allowed to grow up in weeds and trees. When the author supervised the construction of the multi-purpose courts behind The Oaks in the late 1950s, many 12-inch diameter and larger trees had to be removed, indicating that the land had been fallow since the early 1920s at least.

III. EXHIBITS

EXHIBIT 1

Copied from records in the Macon County Courthouse, Tuskegee, Alabama, Deed Book 2, Page 244, December 31, 1889.

H.C. Ferguson to B.T. Washington, bound and described as follows:

> One acre of the west side of the east half of a lot, said acre herein conveyed being on the north for a distance of twenty-seven (27) yards by the public road leading from Tuskegee to Montgomery, on the east for a distance of one hundred and sixty-four (164) yards by the land of R.R. Varner, on the south for a distance of twenty-seven (27) yards, by the land of R.R. Varner, on the west for a distance of one hundred and sixty-four (164) yards by the land of the said H.C. Ferguson.

Deed Book 3, Page 399, June 7, 1893.

H.C. Ferguson and M.C. Ferguson (wife) to B.T. Washington

> the following portion of the Guss Motley lot, to wit: bound on the north for a distance of seventy-nine (79) feet by the public road leading from Tuskegee to Montgomery, and on the east for a distance of one hundred and sixty-four (164) yards by the east of B.T. Washington, on the south for a distance of twenty-five (25) yards (more or less) by the land of R.R. Varner, on the west for a distance of one hundred and sixty-four (164) yards by the lot belonging to the W.D. Wilson estate.

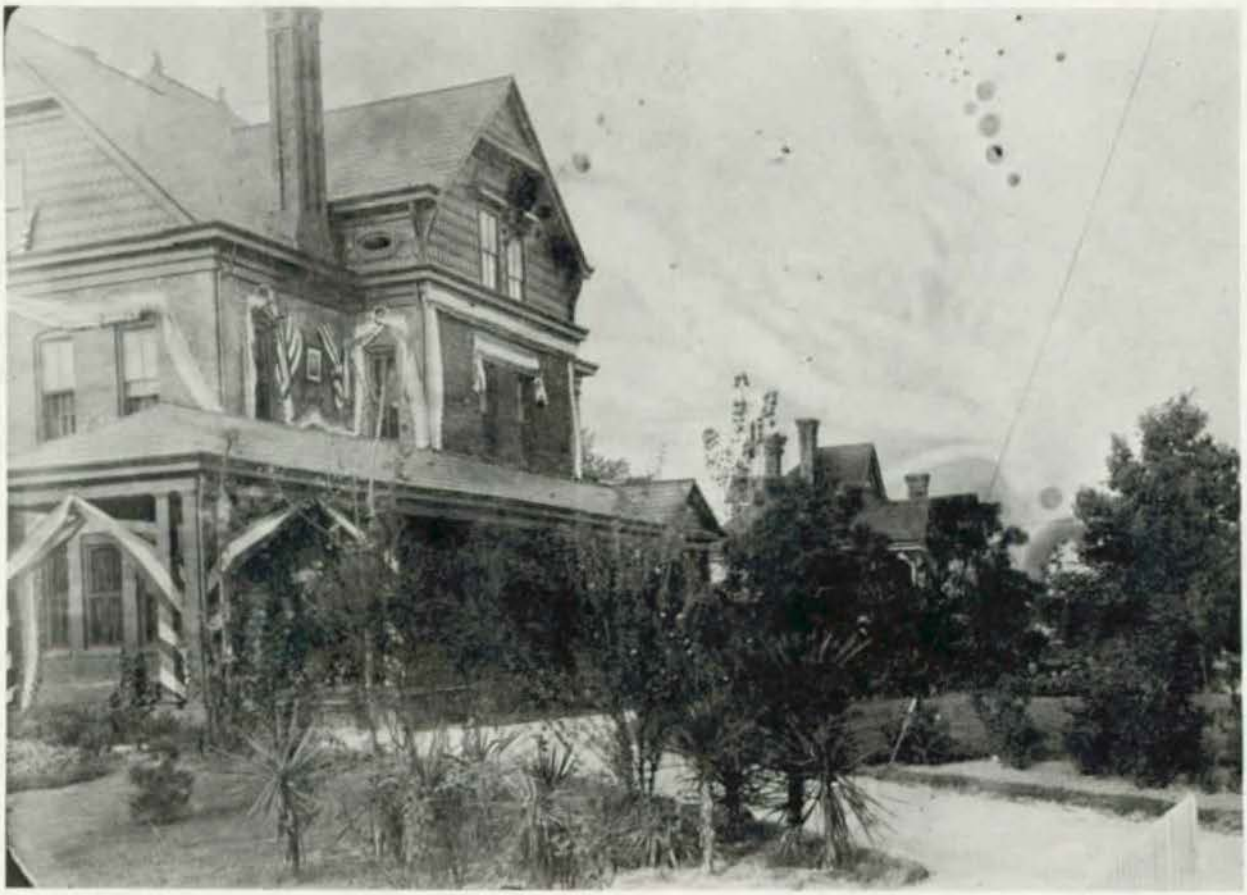
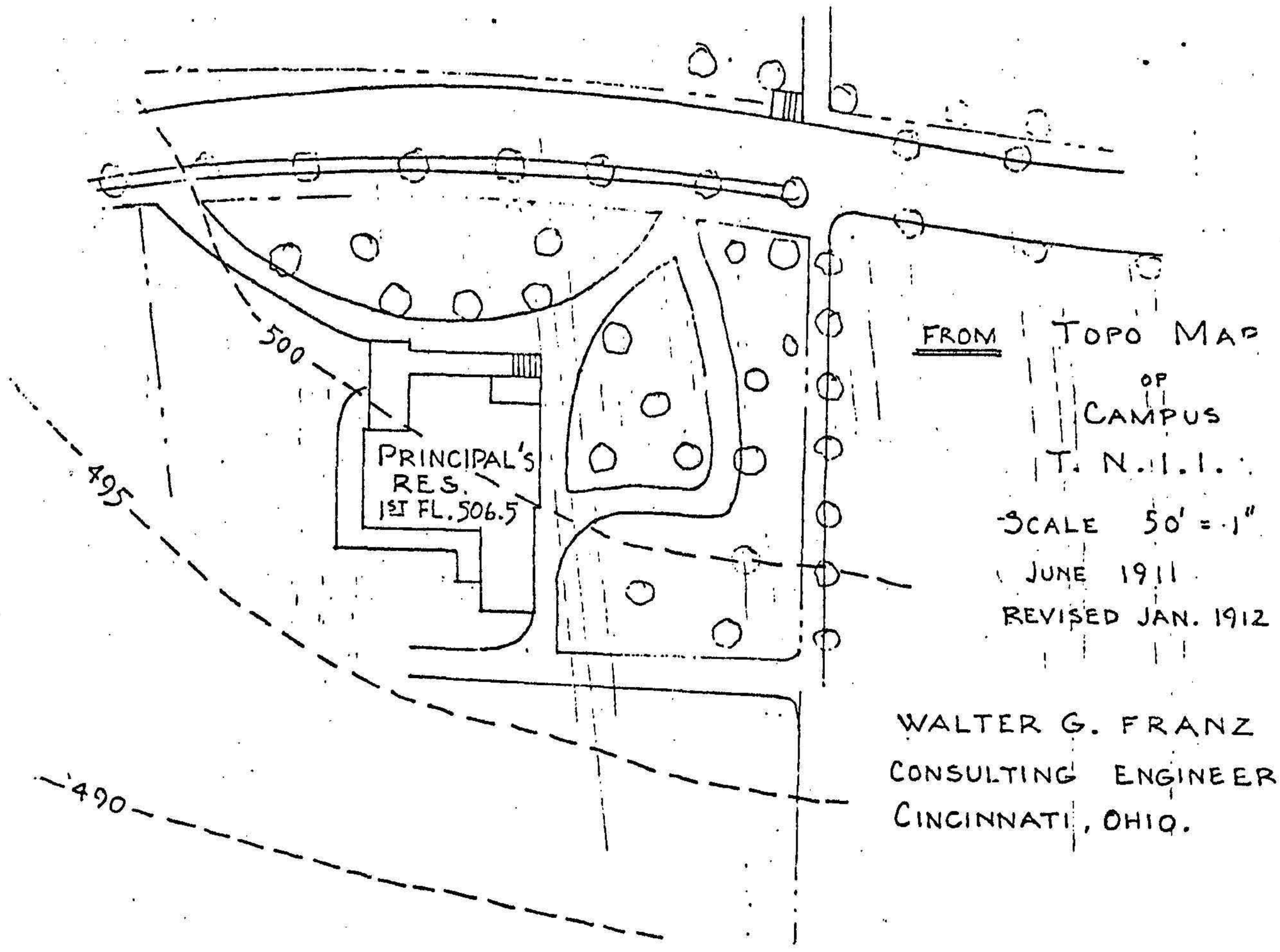


Exhibit 2

EXHIBIT 3



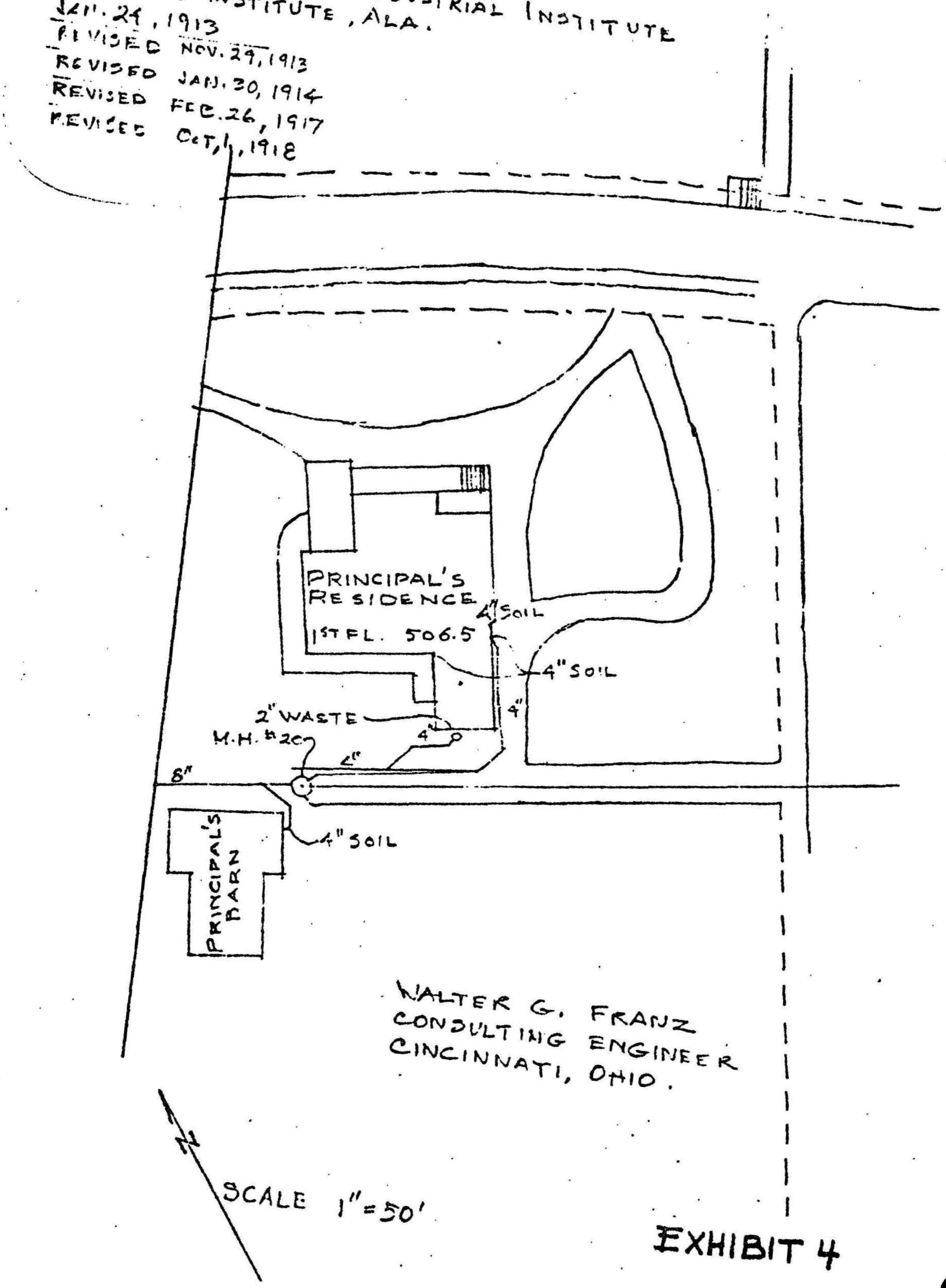
FROM TOPO MAP
OF
CAMPUS
T. N. I. I.
SCALE 50' = 1"
JUNE 1911
REVISED JAN. 1912

WALTER G. FRANZ
CONSULTING ENGINEER
CINCINNATI, OHIO.

TRACED FROM MAP IN PHYSICAL PLANT DEPT., TUSKEGEE INSTITUTE
BY EDW. L. PRYCE, AUG. 3, 1978

TRACED FROM MAP # 201-(44) BY E.L. PRYCE AUG. 29, 1918

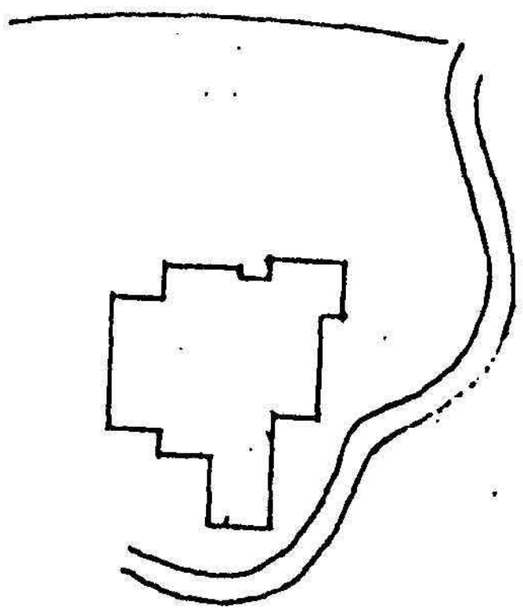
SANITARY SEWER SYSTEM
TUSKEGEE NORMAL & INDUSTRIAL INSTITUTE
TUSKEGEE INSTITUTE, ALA.
JAN. 24, 1913
REVISED NOV. 29, 1913
REVISED JAN. 30, 1914
REVISED FEB. 26, 1917
REVISED OCT. 1, 1918



WALTER G. FRANZ
CONSULTING ENGINEER
CINCINNATI, OHIO.

EXHIBIT 4

EXHIBIT 5



FROM TOPO MAP
OF
CAMPUS
T. N. I. I.
SCALE 100' = 1"

1917

WALTER G. FRANZ
CONSULTING ENGINEER
CINCINNATI, OHIO.

TRACED FROM MAP IN PHYSICAL PLANT DEPT.,
TUSKEGEE INSTITUTE
BY EDW. L. PRYCE, AUG. 3, 1978.

EXHIBIT 7

FROM ARCHIVES, TUSKEGEE INSTITUTE - CIRCA 1934

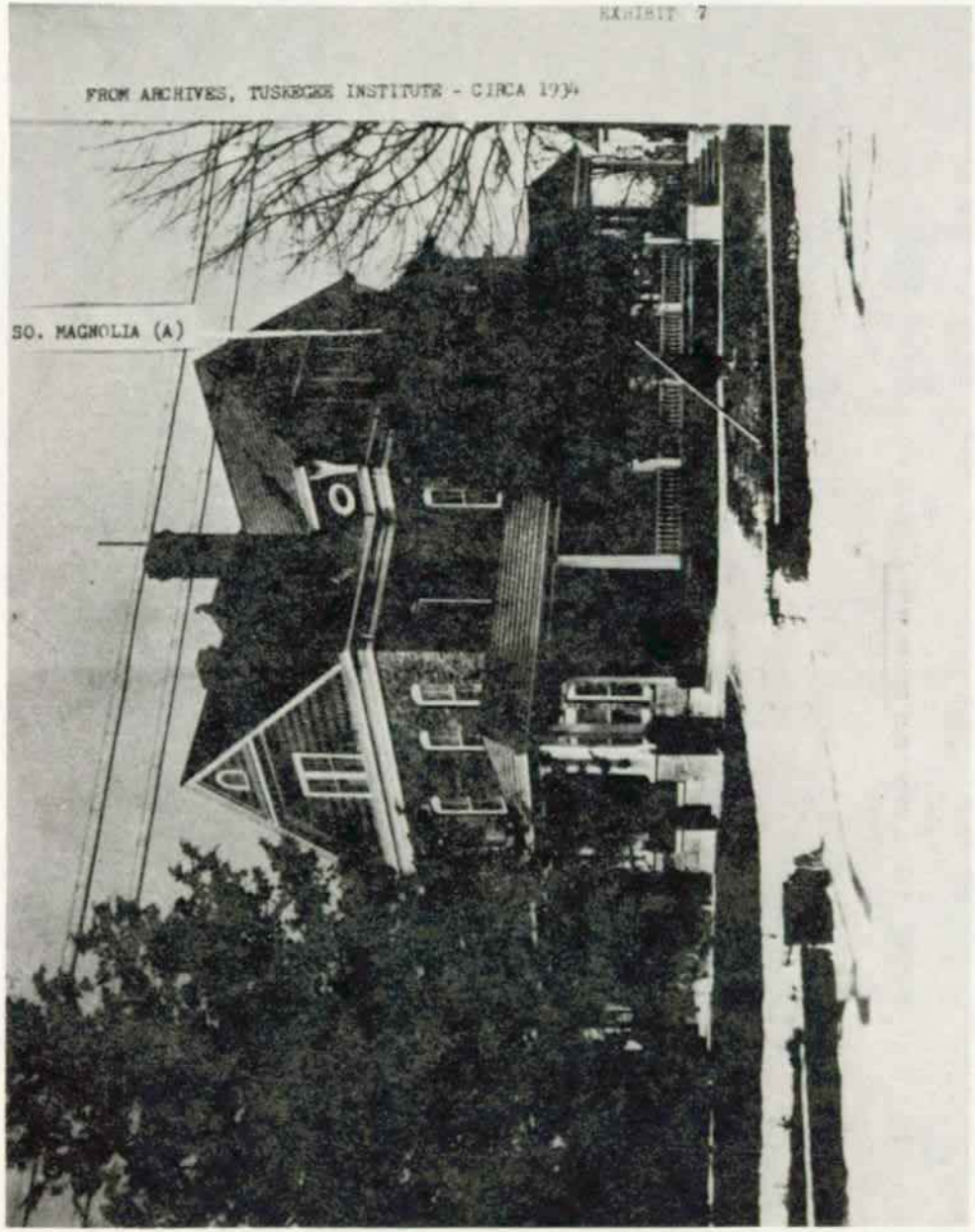
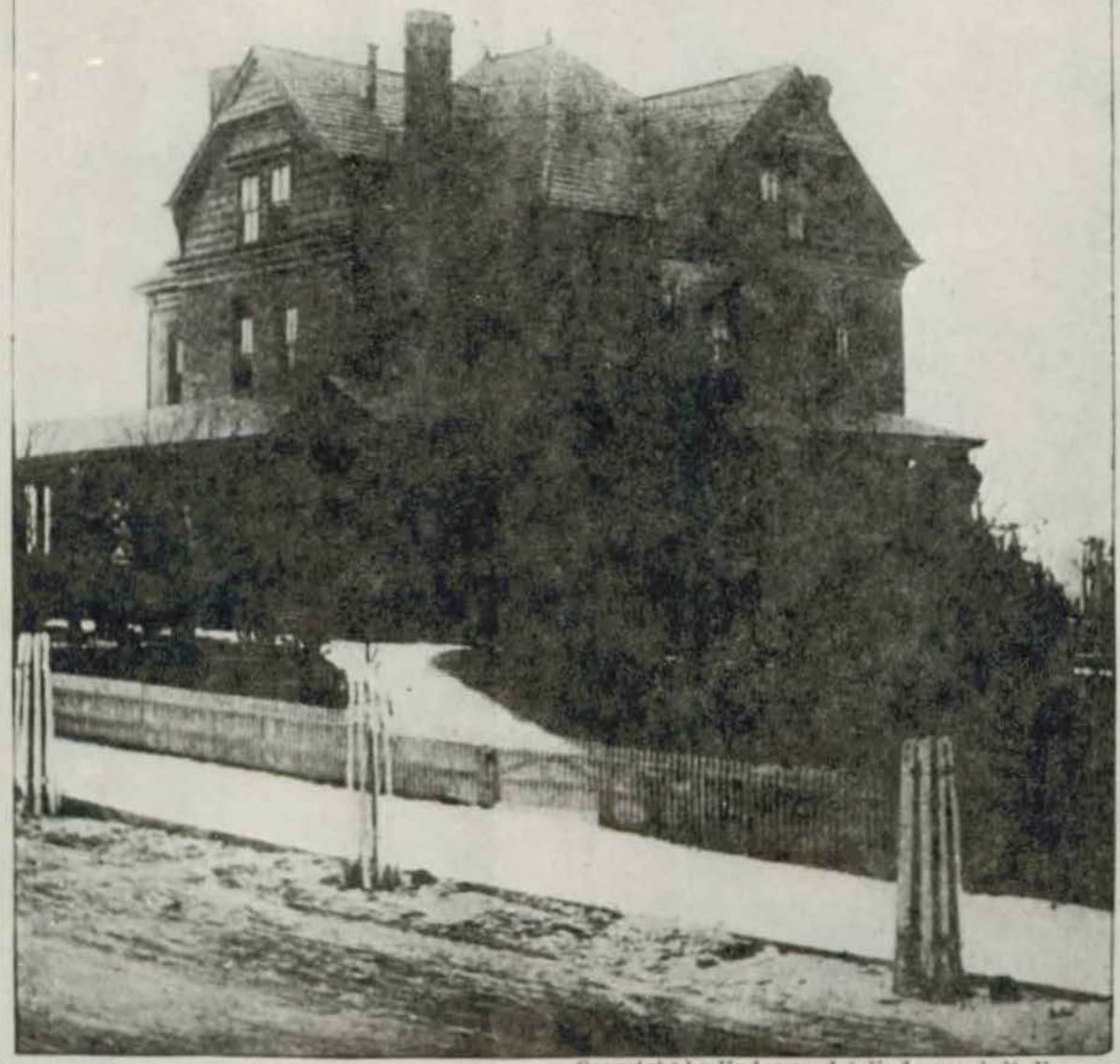


EXHIBIT 8

FROM DRINKER, FREDRICK E. BOOKER T. WASHINGTON
PHILA., PA. GEO. O. CLOWS CO. PUBLISHERS 1915



Copyright by Underwood & Underwood, N. Y.

THE FAMILY HOME, TUSKEGEE

This handsome residence of Mr. Washington was well earned, and stands as another monument to his life work.

APPENDIX A

Summaries of Personal Interviews

A. Interview with Mr. Harold Logan - August 12, 1978

Mr. Logan recalls that when a boy, he lived next door to The Oaks. He said that Mrs. Washington had a peacock that strutted around the house and that he made several vain attempts to pull feathers from the gaudy tail. He also remembers a gray horse named Dexter that pulled Mrs. Washington's buggy. He thinks there was a cow being kept but was not positive.

B. Interview with Mrs. Hattie West Kelly - August 15, 1978

Mrs. Kelly recalls that when she was a young girl enrolled at the Tuskegee Normal School in 1915, the girls would have social activities on the big lawn at the side of the house. She did not remember seeing or using a summer house or gazebo.

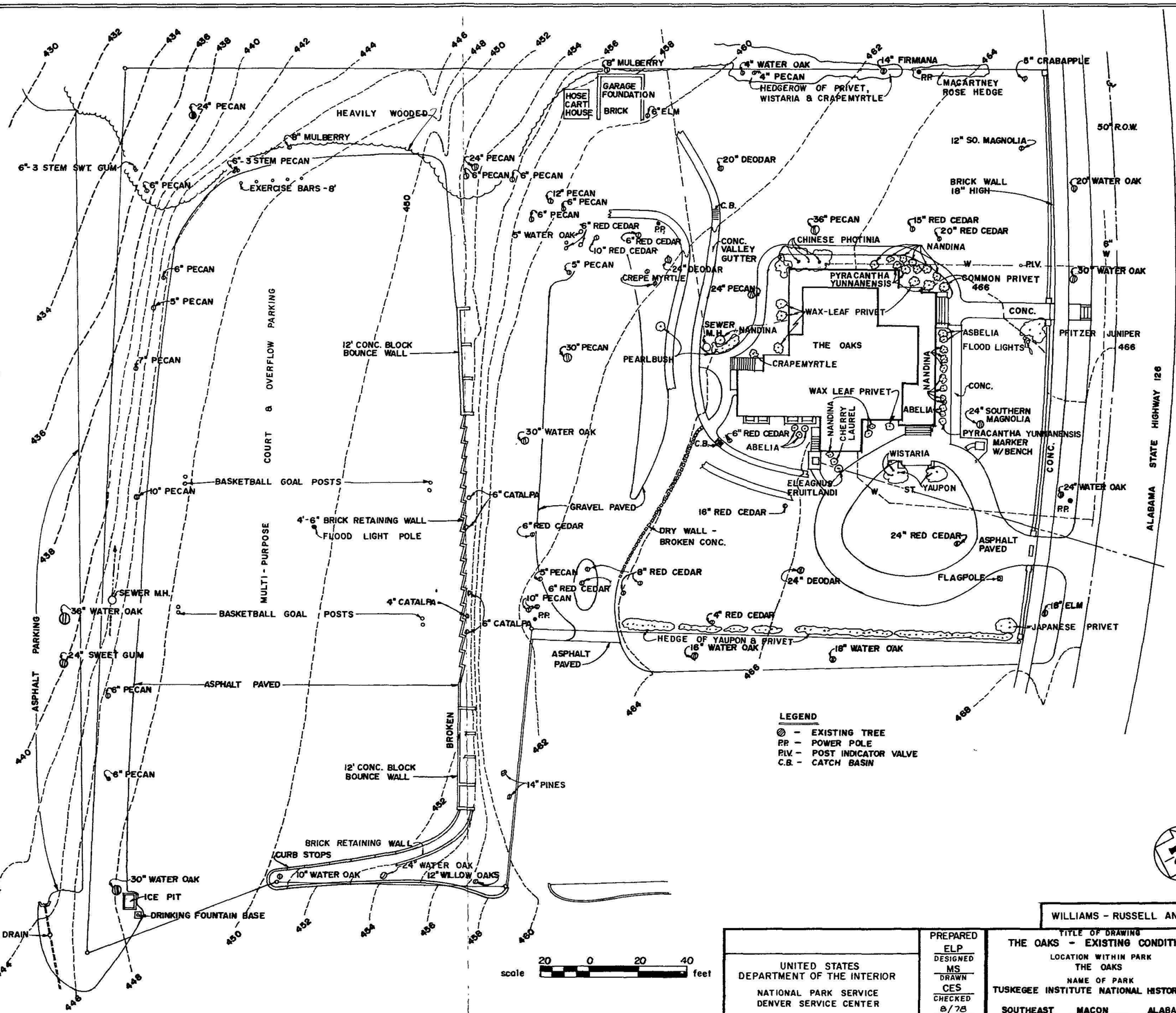
C. Interview with Mr. Harold Webb - July 31, 1978

Interview with Mr. Harold Webb, retired faculty, Plumbing Department.

Concerning the Carver Museum: Boiler room built to house new gas boiler. Steam line pressure from power plant too low to operate equipment.

Concerning The Oaks: The carriage house was near to where the garage foundation is located.

APPENDIX B



B-1

EXISTING TOPOGRAPHIC MAP OF THE OAKS
BY EDWARD L. PRYCE, LANDSCAPE ARCHITECT JULY 19, 1978

DRAWN FROM MAPS FURNISHED BY THE PHYSICAL PLANT DEPARTMENT TUSKEGEE INSTITUTE AND BY FIELD MEASUREMENTS.

BASIC DATA

WILLIAMS - RUSSELL AND ASSOCIATES, INC.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DENVER SERVICE CENTER

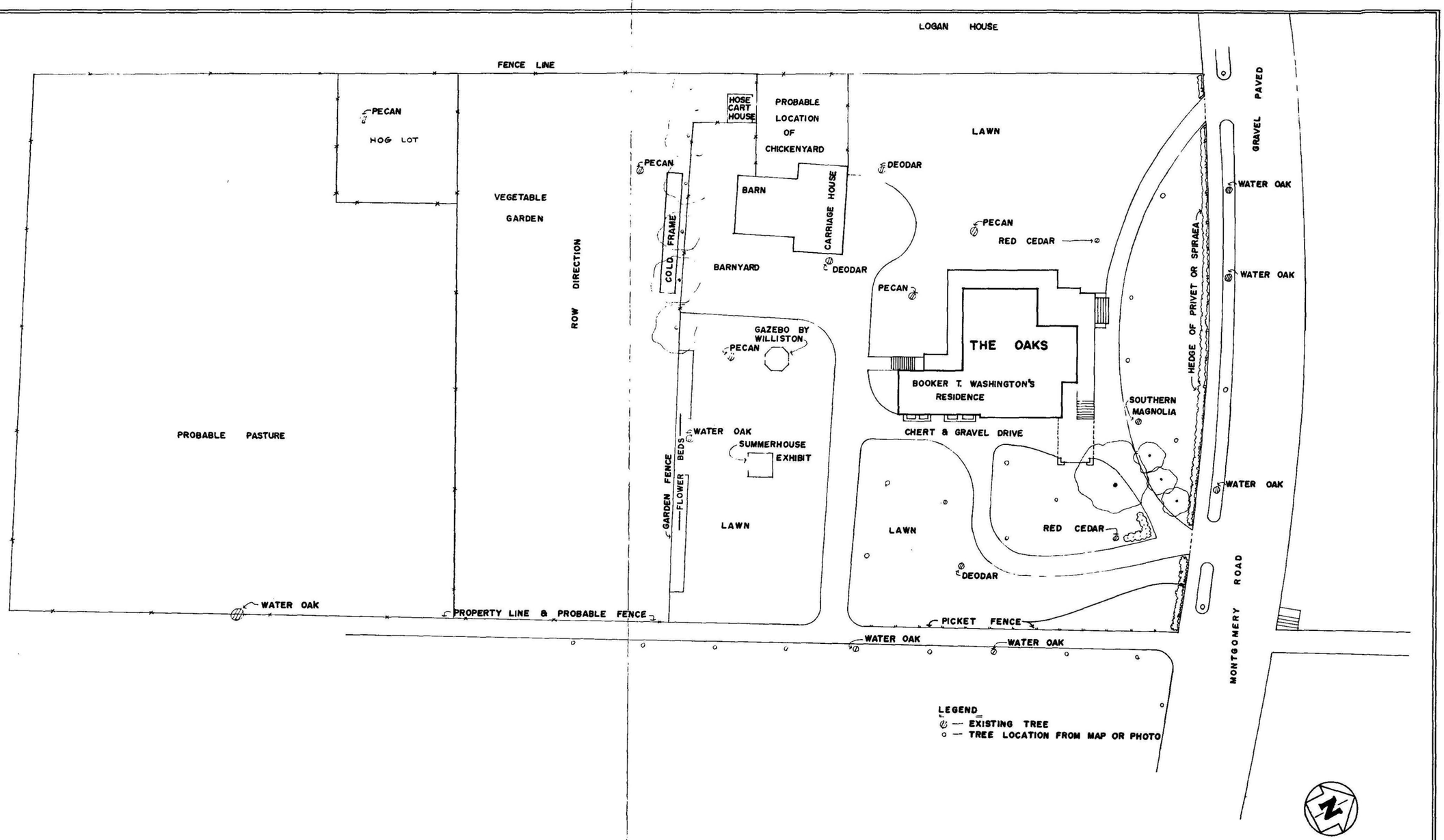
PREPARED ELP
DESIGNED MS
DRAWN CES
CHECKED 8/78
DATE

TITLE OF DRAWING
THE OAKS - EXISTING CONDITIONS
LOCATION WITHIN PARK
THE OAKS
NAME OF PARK
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
SOUTHEAST REGION | MACON COUNTY | ALABAMA STATE

DRAWING NO. 459
28,000
PKG. NO.
SHEET 1
OF 1

GPO 1977-760-741

ON MICROFILM



WATER OAK
ICE PIT W/ COOLING COILS
DRINKING FOUNTAIN

LAND USE AND LANDSCAPE DEVELOPMENT OF THE OAKS - CIRCA 1911
BY EDWARD L. PRYCE, LANDSCAPE ARCHITECT, AUG. 30, 1978

scale 20 0 20 40 feet

BASIC DATA

B-2

WILLIAMS-RUSSELL AND ASSOCIATES, INC.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DENVER SERVICE CENTER

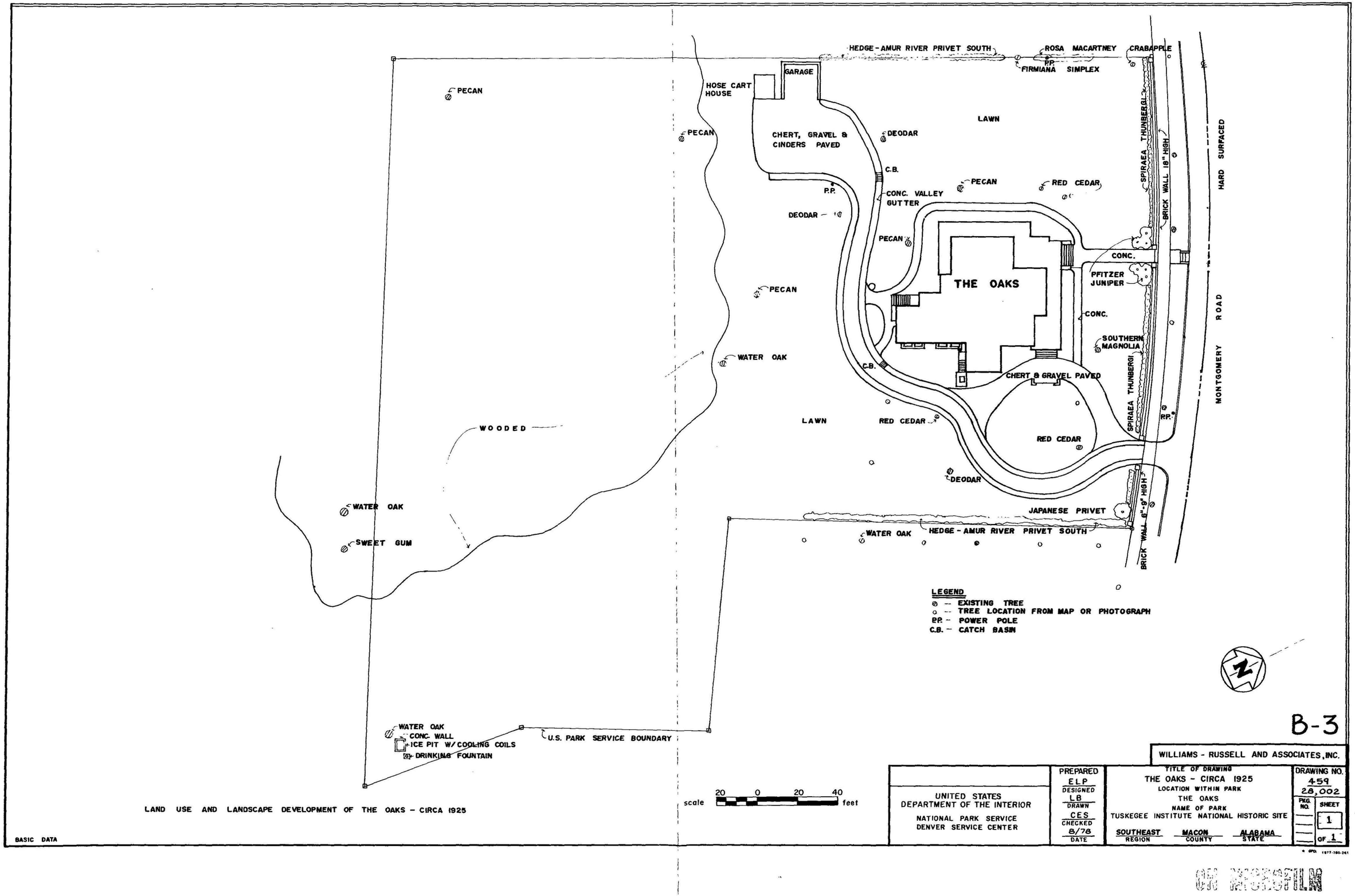
PREPARED ELP
DESIGNED MS
DRAWN CES
CHECKED 8/78
DATE

TITLE OF DRAWING
THE OAKS - CIRCA 1911
LOCATION WITHIN PARK
THE OAKS
NAME OF PARK
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
SOUTHEAST REGION | MACON COUNTY | ALABAMA STATE

DRAWING NO. 459 28,001
PKG. NO.
SHEET 1 OF 1

* GPO: 1977-780-261

ON MICROFILM



LAND USE AND LANDSCAPE DEVELOPMENT OF THE OAKS - CIRCA 1925

BASIC DATA

B-3

WILLIAMS - RUSSELL AND ASSOCIATES, INC.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DENVER SERVICE CENTER

PREPARED ELP
DESIGNED LB
DRAWN CES
CHECKED 8/78
DATE

TITLE OF DRAWING
THE OAKS - CIRCA 1925
LOCATION WITHIN PARK
THE OAKS
NAME OF PARK
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
SOUTHEAST REGION | MACON COUNTY | ALABAMA STATE

DRAWING NO. 459 28,002
PKG. NO.
SHEET 1 OF 1

GPO 1977-760-241

OR MICROFILM

ARCHITECTURAL DATA SECTION

THE OAKS

Tuskegee National Historic Site

Tuskegee, Alabama

Davis Arbogast and David Ates

Denver Service Center
National Park Service

I. Introduction

A. Location

Tuskegee Institute National Historic Site is located on the northwest side of Tuskegee, Alabama, forty-two miles east of Montgomery and forty miles west of Columbus, Georgia. The site lies at the east end of the "Black Belt" portion of the state, on the southern coastal plains. The topography of this section ranges from gently tilted to rolling. The elevation of Tuskegee is approximately 440 feet above sea level. Visitors to the area may exit from Interstate 85 (which connects Montgomery and Atlanta, Georgia) and drive three miles southwest. Old Montgomery Road, which runs through the Institute, is a major thoroughfare and provides the principal access to the Site (see Vicinity Map).

The National Park Service proposes preservation of three principal historic structures under federal ownership. Two of the structures, The Oaks and George Washington Carver Museum, were Institute buildings located on the college campus. The third, Grey Columns, a vacated private residence, is located one-quarter mile outside the campus boundary at the east entrance to Tuskegee Institute.

The Oaks is located on the south side of Old Montgomery Road directly across from the campus of Tuskegee Institute. To the east of the house is a large parking lot for the Institute, beyond which is Frissell Library. To the west is a series of frame houses of similar style and age as The Oaks. To the south is a wooded hillside having Institute tennis courts and an athletic field out of sight of the house.

B. Purpose of the Report

The purpose of this report is to give a detailed analysis of all building elements, their historic (i.e. during the occupancy of Dr. and Mrs. Booker T. Washington, 1899-1925) appearance and condition, and their present appearance and condition. Recommendations are included as to steps to be undertaken to achieve an accurate depiction of the life of Booker T. Washington within a broader interpretive framework as spelled out in the General Management Plan and Interpretive Prospectus. This report is intended to serve as a guide for preservation as well as the continued maintenance of The Oaks and is written for those involved in these activities.

A number of observations should be offered at this point regarding the style and thrust of this report. The Task Directive and Interpretive Prospectus call for restoration of the house to the historic period 1899-1925. The primary approach taken in writing this report has been one aimed at the preservation of the house as it appeared in 1911-1915 or, at least, during the residency of Booker T. Washington. As a result, the appearance of the house through 1916-1925 is given secondary interest and the post-1925 period is given peripheral interest. There are three basic reasons for this approach. The first is that all major alterations to the structure were undertaken in the lifetime of Dr. Washington, the key personality. The second is that the very few and minor alterations of the house which occurred after Washington's death (1915) by Margaret M. Washington do not reflect the architectural and living environment of Dr. Washington. The third reason is that the house is not proposed to be restored to its appearance under Institute ownership (1925-1974) and,

thus, a discussion of its later appearance is unnecessary. The primary aims of this report, therefore, are to identify those elements of the house which date from the residency of Dr. Washington and, consequently, Mrs. Washington's occupancy, and to delineate, as appropriate, those elements added to the house after Dr. Washington's death.

Overall, there is no need for major restoration, but, rather, a greater need for the preservation and conservation of The Oaks. It is fortunate that only minor alterations were made to the house after 1915 by Mrs. Washington. However, there is a vital need for the restoration of lighting fixtures, fireplaces (and heating system), finishes, and murals in The Oaks, as well as an even greater need for the upgrading and continuing preservation of the existing historic features of the house.

C. Organizational Structure

The architectural data section is divided into two primary sections. The first contains existing and historical descriptions of the building elements as well as recommended treatments. The second consists of appendices containing full reports of the various analyses undertaken in the present investigation. Because of their highly detailed nature, only a handful of the copies of this report contain these analyses. Full reports are located at the Park, the Southeast Regional Office, the Washington Office, Harpers Ferry Center, and the Denver Service Center.

D. Documentation

Documentation of the house has been undertaken in three forms. During the summer of 1978 an Historic American Buildings Survey team prepared measured drawings of the house. Because the drawings were incomplete at the end of the summer, they were completed by personnel at the Denver Service Center. These drawings are included within the report as a means of understanding the building. A second form of documentation was the use of still black-and-white photography. A number of pertinent photographs are included within the text as a means of describing the existing building. Unless otherwise noted, the photographs accompanying the report and appendices were taken by the authors in 1978. A third form of documentation was the use of audio tape recordings made by the authors during the week of August 14-18, 1978. The information from the recordings is contained within the report. The recordings, themselves, are stored with other research materials gathered at the Denver Service Center where they will remain until development is complete. Also contained within the appendices are the results of an inventory of the hardware of the building which will find their way into contract documents.

E. Terminology

Some comment should be offered regarding the terminology used in the report, especially those terms used within the tables. Five terms are used to describe the condition of elements. An excellent condition is one in which the element is perfect, a good condition is one in which the element is less than perfect, but in serviceable condition, a fair condition is one in which an element is in need of repair to bring it to a serviceable condition, a poor condition is one in which an element is in need of immediate repair in order to prevent further, serious deterioration,

and a missing condition is one in which an item has been removed, but traces of its former presence remain (e.g. hinge locations for missing shutters). Virtually none of the elements in the house are in excellent condition, a majority are in good condition, a substantial minority are in fair condition, and a small number are in poor condition. Of those elements which are missing, only the window shutters present a substantial problem.

Several terms are used in reference to the dating of the elements. "1899" indicates that the element was probably constructed as part of the original house. "1905" indicates that the element was added on or about 1905. This date is used primarily in reference to the dining room addition. "1908" means that the element was added in 1908. This date is used in reference to the first floor frieze murals, which were painted in 1908. "1910" is used to indicate additions made on or about 1910. It is used primarily in reference to the second floor den and the floors of the first two stories of the house. "1920" is used in reference to the radiator system which could have been added as early as that year, although, from the drawings for its installation it is likely that it was installed after 1925. The Institute rehabilitated the house in 1929 and 1957. "1925" is used primarily in reference to certain elements of the verandas and porches which were probably installed in the 1929 alterations. "Inst" is used to refer to all additions made to the house during its ownership by Tuskegee Institute (1925-1974) but primarily refers to the 1957 alterations. "Park" is used in reference to those elements installed under Park Service ownership (1977-present) of which there are very few.

The Munsell System of Color has been used to provide a standardized means of description of paint colors used on the house. This system provides an unchanging reference, as opposed to paint manufacturer's color chips which are continually being changed and upgraded in response to consumer demands. Unless otherwise noted, the recommended paint colors are those given in the historical description section.

The categories listed under the recommendations section are relatively self-explanatory. "Preserve" is used to describe maintenance work of a routine nature which is normally handled by Park maintenance staff. "Repair" means what it says and is work which is proposed to be included within the development of the house. "Replace in kind" means replacement of elements now missing or so deteriorated that they cannot be repaired. This work will also be included in development of the house. "Remove" means just that. Items to be removed, unless otherwise specified, will not be retained by the Park Service. "Install" means to install an element in addition to the existing element. Paint is listed in this category as, in most cases, the existing paint will not be removed, but a new coat of paint will be added. It should also be noted that paint and varnish finishes are generally given following the item(s) they cover.

The remaining terminology used in the report should be clear and understandable.

II. Historical Development

A. Introduction

An understanding of the basic history of The Oaks is essential to a realization of underlying factors contributing to the present state of the building. For purposes of this discussion the history of the building has been broken into three basic periods - Booker T. Washington (1899-1915), Margaret Murray Washington (1915-1925), and the Institute (1925-1974). Following acquisition by the National Park Service in November of 1977 very little was done to the structure. Therefore, in terms of development, there are only the three above-mentioned periods.

B. Original Construction

Designed by Robert Robinson Taylor, construction of The Oaks was principally by student labor and local materials. For a fuller discussion, with photographs, please refer to the History Data Section. As constructed in 1899, The Oaks was basically a square two-and-a-half story structure with a one-story rear ell, running south from the eas side of the south elevation. The roof of the main section consisted of a large hip roof with large, metal-shingled gables on each face. The roof of the ell was a single gable running north to south. On the north, west, and south side of the main house was a veranda at the first floor level. At the east end of its north side it formed the roof of the porte cochere. Porches at the second floor level were located at the northwest corner of the house and at the center of the south elevation.

The basement and first two stories were constructed of brick masonry having tinted pink mortar. Window and door openings in the walls had projecting brick sills and segmental arched heads. Trimwork of the walls included door and window frames, window sash, doors, sidelights, transoms, a molded wood cornice running around the main portion of the house at the second floor level, and molded wood eaves at the gables and ell roof. All of the trimwork was painted dark brown. On the east side of the ell were two brick masonry wells with concrete coping, for the basement windows of the ell.

The veranda had brick piers supporting a wood deck and framing. The wood deck was probably painted dark brown. The wood deck stopped at the porte cochere to permit access directly from carriages onto the veranda Near the west end of the north veranda was a set of wood steps flanked by low wood walls. The south veranda had a straight run of wood steps along the west wall of the ell with a wood railing. The veranda was covered by hip roofs on its north side and on its west side. These roofs were supported by square wood columns and a wood box beam, both painted dark brown. The columns of the porte cochere were set on low brick bases. The ceiling of the veranda was constructed of narrow boards painted dark brown. In the ceiling were flush-mounted light fixtures. The veranda roofs were covered with pressed metal shingles painted red, matching those used on the main roof and in the gable ends. The ell roof was covered with standing seam metal roofing. Between the veranda columns ran a wood railing painted dark brown. This railing continued around the entire veranda connecting with short posts at the northwest corner and along the south veranda.

A two-story porch was located at the south elevation near the west wall of the ell. It was of wood construction with square posts, railings,

and framing. Its roof was a shed form and was covered with sheet metal. The woodwork of this porch was painted dark brown.

The second floor porch at the northwest corner of the house was similar in construction to the veranda below. It was surrounded on the north and west sides by a parapet wall with a wood top and inner face of wainscoting painted dark brown. Its exterior face was covered with pressed metal shingles painted red. The roof of this porch was formed by the main roof of the house. The roof was supported by square wood columns and a box beam similar to those of the veranda below. They were painted dark brown as was the narrow board ceiling with its flush-mounted light fixture. The wood floor of the upper porch was probably similar to the deck of the veranda below and was probably also painted brown.

There were five brick chimneys which were rather ornate, with patterning in the brick masonry, with the exception of the ell chimney which was plain.

The ends of the gables were basically similar, being covered with pressed metal shingles painted red. The northwest, and south gable ends contained pairs of two-over-two double-hung window sash. The east gable end contained a pair of four-over-four double-hung sash. Above the windows of the east, south, and west gable ends were louvered wood vents of various shapes and sizes. There was also a similar vent in the gable end of the ell. The east, south, and west gable eaves ran directly to the cornice above the second floor level. The north gable eaves ran to a low, frame wall covered with pressed metal shingles painted red. At the corners of the north gable end the eaves were supported by four curving wood brackets. The low walls ran back from the gable end to the main roof. In each low wall there was a single fixed elliptical window. Above the windows of the north gable end was a curved, projecting wood hood which was built only at this gable end. East of the south gable there was a frame dormer projecting from the roof. Its walls and roof were probably covered with pressed metal shingles painted red.

Piercing the main roof also were two metal chimney flues for stoves in the north and west third-floor bedrooms. At the top ridge of the main roof were two large metal finials.

The window sash of the house, with the exception of the elliptical windows, were double-hung and in configurations of one-over-one, two-over-two, four-over-four, and six-over-six. Roof gutters and downspouts were probably constructed of sheet metal.

The interior of the house as it was constructed contained four floors - the basement, first floor, second floor, and third floor. The basement was essentially unfinished, being mostly crawlspaces with the exception of a finished basement in the ell and a rear stairway. The first and second floors were fully finished and the third floor was partially finished with some unfinished attic spaces. A large, unfinished attic lay between the third floor and the roof.

The lighting system of the house was probably electric and gas utilizing combined incandescent and gas fixtures. There were apparently no electric receptacles.

Interior walls were of frame construction covered with sawn wood lath, plaster, and paint. The ceilings also had sawn wood lath, plaster,

and paint except those in the basement room and kitchen, which had narrow board ceilings. All of the rooms and halls had picture moldings along their upper walls, virtually all of which were painted silver. The flooring of the house was probably straight, narrow, hardwood flooring laid over a diagonally-laid subflooring of wide boards. The first and second floor bathrooms had tile flooring. The basement had a concrete floor in the finished areas and dirt floors in the crawlspaces.

The house was heated by means of fireplaces in the first and second floor rooms and by stoves in the third floor bedrooms. The fireplaces were designed to burn coal and therefore, had narrow flues and small fireboxes. Mantels were of two basic types. Elaborate mantels with overmantel mirror was found both in the parlor and in the study. The remainder of the mantels of the house were simpler and of two slightly varying types with the guest room mantel being somewhat more elaborate than the second-floor mantels.

There were two stairways in the house, one in the front hall and one adjoining the rear hall. The front hall stairway ran from the first through the third floors in two essentially straight flights. The rear hall stair ran from the basement through the second floor and was intended to run to the third floor. It may have been completed, but the lack of patching in the trunk room floor would seem to indicate that it was never finished and it was converted into a hall closet.

Wood wainscoting was installed in the halls, kitchen, breakfast room, pantry, and third-floor bedrooms. All rooms, halls, and closets contained molded wood baseboards.

Double sliding doors occurred between the three major rooms of the first floor with a pair also between the parlor and the front hall. The remainder of the doorways contained single-swinging doors, some with movable transoms above. The doorway from the front veranda to the front hall contained two single-swinging doors flanked by two sidelights above which ran a large, hinged transom. There was a trap door in the ceiling of the third floor giving access to the attic above.

Window and door casings were similar in style with each other. All windows, except the basement windows and the two fixed, elliptical windows of the north third-floor bedroom, contained sets of interior folding wood shutters. All of the wood trimwork of the house was covered with a dark, very glossy coat of varnish.

C. Alterations During the Lifetime of Booker T. Washington

The period from the construction of the house to the death of Booker T. Washington in 1915 saw a large number of changes in the house. Those alterations which occured during that period were as follow:

1. Sometime before 1908, but after construction, an addition was built to the east of the dining room. South of the addition and east of the pantry was built a conservatory of which only photographic views survive. Architectural evidence for the conservatory consists of marks in the masonry wall of the ell where floor framing once ran. It is not known when the conservatory was removed, although it seems probable in light of the existing landing and steps that it was removed following acquisition by the Institute in 1925.

2. The fireplaces were supplemented by a new radiant heating system installed sometime before 1905. The new system resulted in damage to the woodwork by its operation, thereby provoking complaints by Dr. Washington.

3. In 1908 A.W. Borman painted a series of frieze murals in the major first-floor rooms, lowering the picture moldings in the process. Apparently a series of frieze murals was also contemplated for the major second-floor rooms, but never executed, following the lowering of the picture moldings in those rooms.

4. Sometime between 1910 and 1915 the roof of the one-story kitchen wing was removed and a second floor was built. The roof was apparently reused on the new upper floor. The addition necessitated several changes. The south dormer of the main roof was removed to provide a way of connecting the ell roof with the main roof and subsequently a new doorway into the newly-created attic by lowering its opening. The south window of the rear stair hall was removed and the opening filled and finished to match the adjacent walls. A new porch was built west of the new room which was a den, or study, for Dr. Washington. An enclosed room was built as an entry from the rear main second-floor hall and the new den.

D. Alterations Made between 1915 and 1925

Following Dr. Washington's death in 1915 the family remained in the home until the death of Margaret Murray Washington in 1925. It does not appear that any major alterations were made to the building during this period. There were a number of changes which, from stylistic evidence, indicate a date sometime near the middle of the 1920s. It is most likely that these alterations were undertaken by the Institute in 1929.

E. Alterations Undertaken by the Institute

Upon the death of Margaret M. Washington in 1925 the house, as well as most of the furnishings, were sold at auction. The Institute purchased the house, which they retained until 1974 when the National Park Service acquired it. Major renovations to the building by the Institute occurred in two phases - the first in 1929, following acquisition when administrative offices were installed on the upper floors and the second in 1957 at which time the house was fully converted to administrative offices. Specific changes which were made are as follow:

1. A new radiant heating system was installed in 1929 in place of the older system. Surviving working drawings for this system bear the title, "Booker T. Washington Memorial," which would indicate that the work was undertaken by the Institute.

2. With few exceptions, the electric system was revised in 1929 and most of the lighting fixtures replaced with metal incandescent fixtures Baseboard outlets were installed at this time. Historic fixtures were retained in the den, the foyer, and the veranda and porch ceilings.

3. The exterior trim paint of the house was changed from dark brown to white in 1929 with pastel green veranda and porch ceilings, in conformity with paint used on other Institute buildings.

4. The fireplaces in the parlor, study, and dining room were completely rebuilt in 1929. Two of the original mantels were apparently destroyed and the third, from the dining room, was moved to the trunk room on the third floor.

5. In 1957 all interior shutters were removed and venetian blinds installed in their place.

6. The electric system was revised again in 1957 with the installation of additional baseboard outlets, flourescent light fixtures on the first and second floors, and intercom buzzers.

7. A complete telephone system was installed in 1957 with service through the flooring to the major rooms.

8. Bathroom and shower fittings were installed in the room above the foyer.

9. Three bathroom doors were permanently blocked shut.

10. Virtually all of the floors were heavily stripped and re-varnished, resulting in damage to the historic fabric in the form of grooves and gouges.

11. The guest room closet was converted to a reception area in 1957 with the removal of its north and east walls, removal of the doorway to the guest room and refinishing as part of the wall surface, and installation of a reception desk.

12. A partition was erected between the dining room and its addition in 1957.

13. Many of the closets had shelving installed, necessitating the reswinging of their doors.

14. An unpainted aluminum shingle roof replaced the historic painted, pressed metal shingle roof and standing seam metal roof. The gutters and downspouts were also replaced.

15. An extremely thorough exposed water fire suppression system was installed in all interior and exterior spaces of the house.

16. The den was heavily restored in 1957. The window opening to the west porch was removed and replaced with a door and transom. The additional doorway facilitated an orderly flow of visitors through the room.

17. The porches and verandas of the house were renovated in 1929. The first-floor verandas and porches had their wood floors and steps replaced with a concrete floor having inlaid red tile. The supporting piers were replaced with a brick masonry base wall, except in the rear. The upper front porch had tar paper laid over its floor, probably to hide deterioration in the flooring, and sheet metal placed over the inner parapet walls.

18. The lower rear porches were fully enclosed in 1957 and converted to storage rooms.

19. The porch off the den was enclosed in 1957 with casement windows in place of the historic screening. This was probably intended to protect visitors exiting from the new den doorway from the weather.

Thus, The Oaks has reached its present state, having experienced most of its alterations by the Institute. The use of the house for administrative purposes served to have an unavoidable effect of long-term settlement and deterioration, as well.

F. Description of Existing Structure

The Oaks is a large, two-and-a-half story Queen Anne Revival Style house containing fifteen rooms, five halls, five bathrooms and two stairs. The penchant for asymmetry and picturesquesness inherent in the Queen Anne Revival Style is fully displayed in the building with its irregular floor plan, asymmetrical elevations, and multi-gabled roofline. Other prominent characteristics of the style seen in the building are the numerous porches and verandas, varied materials, prominent chimneys, and use of dark and somber color schemes.

The exterior of the house consists primarily of a large, almost square mass having single gables on each side, with a two-story ell running from the east side of the south elevation of the main section and a small one-story addition at the north end of the east elevation. The ell has a single-gabled roof with ridge running north to south. A single-story veranda runs around the north, west and south sides of the main block of the house turning into a porte cochere at the east end of the north elevation. Second-story porches are located at the northwest corner of the house and in the corner between the south elevation of the main block and the west elevation of the ell.

The basement and first two stories of the building are constructed of brick masonry having tinted pink mortar. Window and door openings in the walls have projecting brick sills and segmental-arched heads. Trimwork of the walls includes door and window frames, window sash doors, sidelights, transoms, two door hoods, a molded wood cornice running around the entire building above the second floor level, and molded wood gable eaves. All of this trimwork is painted white. On the east side of the ell are two brick wells with concrete coping, for the basement windows of the ell.

The veranda has brick base walls and piers. In the walls are vent openings and between the piers of the south elevation are square wood lattice panels painted white. The floor of the veranda is concrete with inlaid red tile except for the south veranda, which has only concrete. At the porte cochere the veranda floor ends with concrete steps to the level of the drive. Concrete steps also occur at the west end of the north elevation and along the west elevation of the ell. The latter has a plain wood rail painted white. There are also concrete steps leading to a small landing at the south side of the dining room addition. The iron pipe rail of this stairway is missing. Hipped roofs occur over the veranda on the north elevation and on the west elevation. These roofs are supported by square wood columns and a wood box beam, both painted white. The columns of the porte cochere are set on brick masonry bases with concrete caps. The ceiling of the veranda is of narrow boards painted pale green. In the ceiling are flush-mounted light fixtures. Along the inner face of the box

beam are floodlights. Along the ceiling runs piping for a water fire suppression system. The veranda roofs are covered with unpainted aluminum shingles. Between the veranda columns runs a wood railing painted white. This railing runs around the entire veranda connecting at the northwest corner and at the south elevation with short wood posts painted white.

At the inner corner of the south elevation and the west elevation are two two-story porches. These porches are of wood construction. The lower porches are fully enclosed with a combination of wood wainscoting board infill, and framing, all painted white. The upper south porch is semi-enlcosed with wood wainscoting painted white and screened panels. The upper west porch is semi-enclosed with wood wainscoting painted white and a set of casement windows. There are shed roofs covered with unpainted aluminum sheet metal over both porches. The small room connecting the two upper porches has an almost flat roof covered with the same.

The second-floor porch as the northwest corner of the house is similar in construction to the veranda below. It is surrounded on the north and west sides by a parapet wall sheathed on its inner face and top by sheet metal painted white and on its outer face by pressed metal shingles painted brown. The roof of this porch is formed by the main roof of the house. The roof is supported by square wood columns and a box beam similar to those of the veranda. They are painted white. The ceiling is similar to the veranda ceiling having narrow boards painted light green, a flush light fixture, and piping for fire suppression. The floor of the porch is wood covered with asphalt roll roofing.

The brick chimneys, of which there are five, are decoratively built with brick panels, with the exception of the ell chimney which is plain. All are provided with sheet metal caps.

The gable ends are basically similar, being covered with pressed, sheet metal shingles painted brown. The north, west, and south gable ends contains a pair of two-over-two double-hung window sash. The east gable end contains a pair of four-over-four double-hung window sash. Above the windows of the east, south, and west gable ends are louvered wood vents of various shapes and sizes. There is also a similar vent in the gable end of the ell. The east, south, and west gable eaves run directly to the cornice above the second floor level. The north gable eaves run to low, frame walls covered with pressed metal shingles painted brown. At the corners of the north gable end the eaves are supported by four curving wood brackets. The low walls run back from the gable end into the roof. In each low wall there is a single fixed elliptical window. Above the windows of the north gable end is a curved, projecting wood hood which appears at this location only.

The windows of the house, with the exception of the elliptical windows, are double-hung and in configurations of one-over-one, two-over-two, four-over-four, and six-over-six lights.

The main roof is pierced by a small access hatch with a similar hatch being found on the dining room addition roof. There is a ventilating dormer on the west side of the ell roof with a sheet metal plate covering its louvered face. The gutters of the roof are aluminum sheet metal and the downspouts are of copper piping. On the east side of the house near

the ell there is a cast iron vent pipe for the second floor bathroom there. The pipe is painted red-brown and white to match adjacent surfaces. Steam pipes enter the basement through the northernmost opening of the east elevation of the ell.

The interior of The Oaks contains four floors - the basement, first floor, second floor, and third floor. The basement is essentially unfinished, being mostly crawlspaces. The first and second floors are fully finished and the third floor is partially finished with some unfinished attic spaces. Above the third floor is a large, unfinished attic.

Throughout the interior there is a very complete water fire suppression system. There are three basic types of lighting fixtures - flourescent lights, metal light fixtures, and frosted glass fixtures.

The interior walls are of frame construction with wood lath and plaster which is painted. There is a low partition wall of painted gypsum board between the dining room and its addition. All of the rooms and halls have picture moldings along their upper walls, most of which are painted silver. Above the picture moldings of the three major first-floor rooms is a series of painted frieze murals painted in 1908 by A.W. Borman.

The ceilings, with some exceptions, are built of sawn wood lath, plaster, and paint. Narrow board ceilings are found in the kitchen, basement room, and den. Gypsum board ceilings are located in Margaret Murray Washington's bedroom and in Booker T. Washington's bedroom. There is a plywood and batten ceiling in the guest room.

The flooring, with some exceptions, consists of parquet flooring inside an ornamental border on the first and second floors and narrow wood flooring on the third floor. The floors of the kitchen, breakfast room, pantry, and closets are straight hardwood flooring. The first and second floor bathroom floors have ceramic tile. The basement has a concrete floor in its finished rooms and dirt in the crawlspaces.

Throughout the house there are cast iron radiator units for heating. All of the rooms contain fireplaces. There are five types, primarily. The first type occurs in the second floor den, the second is found in Margaret Murray Washington's bedroom, the third is seen in the parlor, study, and dining room, the fourth is seen in the guest room, with the remainder of the mantels being of the fifth type.

The front stairway runs from the first to the third floors in two essentially straight flights. The rear stair runs from the basement to the second floor in two U-shaped flights with a portion of a flight of steps to the third floor contained within the rear second-floor hall closet.

Wood wainscoting is found in the halls, den, kitchen, breakfast room, pantry, and third-floor bedrooms. Tile wainscoting is found in all of the bathrooms. Baseboards are yirtually all of molded wood either yarnished or painted.

Double-sliding doors occur between the three major rooms of the first floor and the front hall. The remainder of the doorways contain

single-swinging doors, some with transoms above. The front doorway to the house is unique and contains two single-swinging doors, two sidelights, and a transom. There is a trap door in the center of the third floor hall ceiling giving access to the attic above.

Wood moldings and trimwork are almost entirely consistent throughout the house. A major exception is the second-floor den which has different trimwork. Some of the bathroom fixtures and all of the kitchen fixtures are missing. A handful of doors are either blocked shut or missing. One window and one doorway are blocked up and removed entirely.

III. Itemized Tables

A. Introduction

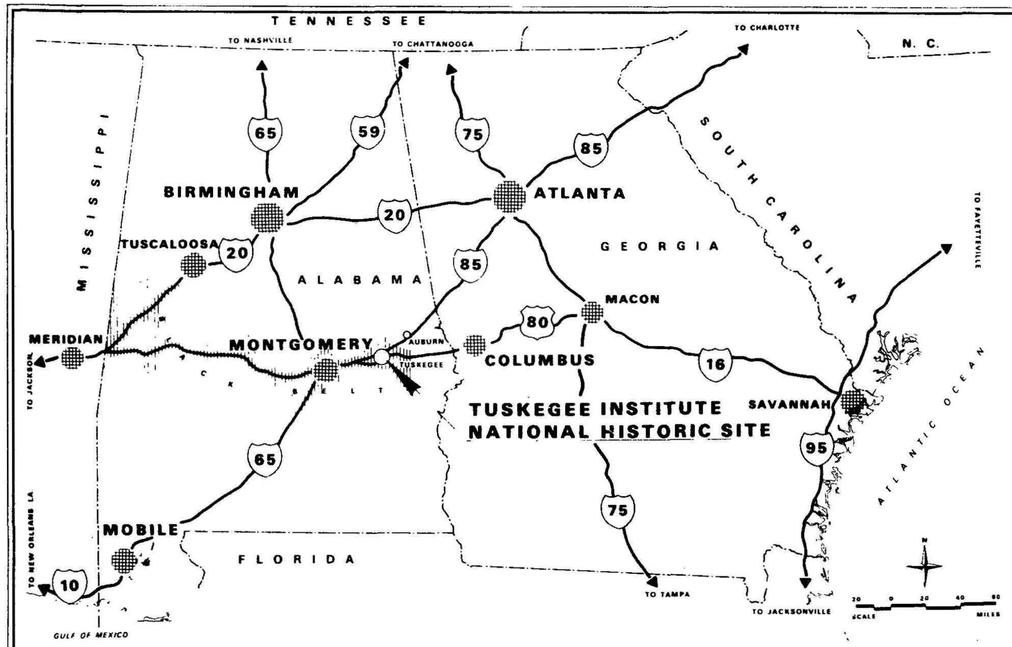
For the purposes of this Historic Structures Report a series of tables have been prepared detailing each major item in The Oaks. The tables are divided into three primary sections - existing conditions, historical appearance, and recommendations. The existing conditions section describes the building in detail as it appeared in August of 1978. The historic appearance section describes the building as it appeared during the period from 1899 through 1925, with an emphasis on the period 1910-1915. Each item of the existing conditons section is related directly to the historic appearance section and then onto the recommendations section. The recommendations section defines the implications of the general recommendations for the building's preservation.

There are several reasons for the use of a tabular format. A prose format offers more advantages in that the rationale for decisions can be presented easily. However, because of the size and complexity of The Oaks a prose format would have resulted in a far larger, and bulkier, document. Thus, a tabular format has been used. The tables cover virtually all aspects of the building. There are two primary reasons for taking this approach. The first is that the information is needed by a number of individuals. Although only the first and second floors will be treated entirely, the third floor and attics and the basement will be used for mechanical systems, thus necessitating information on these areas. The second is the need for an adequate recording of conditions prior to work. It is hoped, therefore, that the information in this report will prove to be of value in any future work on the building.

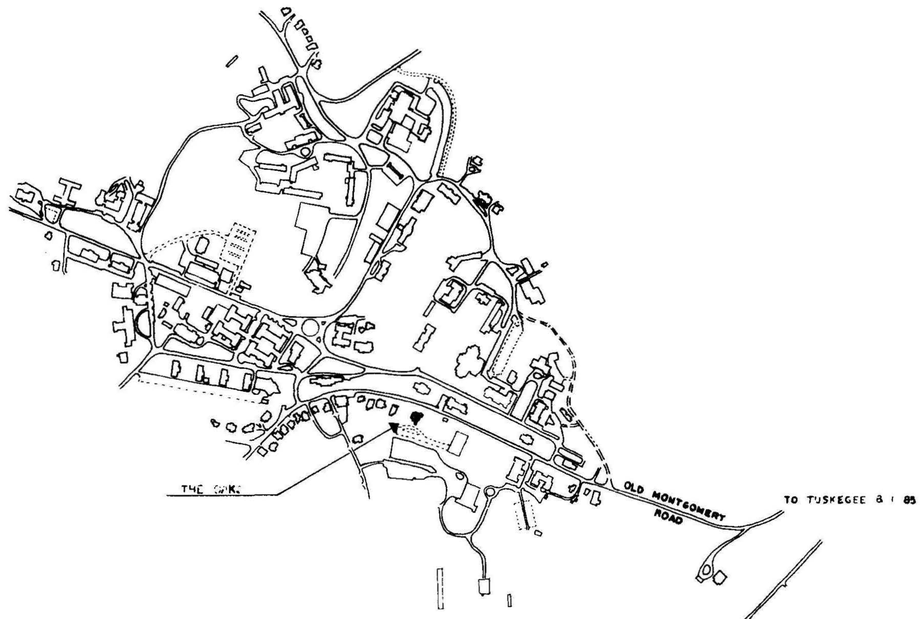
A number of analyses were used in the compilation of the material in the tables. Most widely used was a visual analysis of the fabric. In most cases changes and alterations were obvious at first sight. In certain, less obvious, areas x-ray photographs were made, revealing elements hidden for one reason or another. Sampling of the painted surfaces of the house was also undertaken. The samples were analyzed and the results used within the tables. For a more complete discussion of the paint and x-ray analyses please consult the appendices to this report. Also contained within the appendices is a discussion of the analysis of the mortar of the house. The results of that analysis will be incorporated in contract documents in the form of mortar formulas to be used in repointing.

It is felt that the tables provide a solid overview of the building with additional information to be found in the appendices. Of course, supplementing the tables are the HABS drawings made by a summer team in 1978 and DSC personnel, and photographs, both modern and historical, which the reader is urged to consult.

B. EXTERIOR



VICINITY MAP



LOCATION MAP

THE OAKS

CONSTRUCTED IN 1899, THE OAKS SERVED AS THE HOME OF BOOKER T. WASHINGTON, PRESIDENT AND FOUNDER OF TUSKEGEE INSTITUTE. THE CONSTRUCTION OF THE HOUSE SERVED AS A SOLID EXAMPLE OF THE EDUCATIONAL PHILOSOPHY OF DR. WASHINGTON, HAVING HAD MOST OF ITS MATERIALS LOCALLY MANUFACTURED AND INSTALLED BY STUDENTS OF THE INSTITUTE AS A PART OF THEIR VOCATIONAL TRAINING. THE HOME ALSO SERVED AS THE RECEPTION CENTER OF THE INSTITUTE FOR THE NUMEROUS AND INFLUENTIAL VISITORS AND PATRONS OF THE SCHOOL. FOLLOWING THE DEATH OF DOCTOR WASHINGTON IN 1915, THE HOUSE REMAINED IN THE FAMILY UNTIL THE DEATH OF MRS. WASHINGTON IN 1925, AFTER WHICH IT BECAME THE PROPERTY OF THE INSTITUTE. DURING THE 1950's THE HOUSE WAS CONVERTED FOR USE AS ADMINISTRATIVE OFFICES BY THE INSTITUTE. IN 1974 THE NATIONAL PARK SERVICE ACQUIRED THE BUILDING AS A PART OF THE TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE. AT PRESENT, PLANS CALL FOR THE PRESERVATION OF THE HOUSE AS IT APPEARED DURING THE LIFETIME OF DR. WASHINGTON.

THIS PROJECT WAS UNDERTAKEN BY THE DENVER SERVICE CENTER OF THE NATIONAL PARK SERVICE IN COOPERATION WITH THE HISTORIC AMERICAN BUILDINGS SURVEY. THE OAKS WAS MEASURED DURING THE SUMMER OF 1978 AND DRAWINGS BEGUN UNDER THE DIRECTION OF JOHN BURNS, H.A.B.S. ARCHITECT, STANLEY GETTLE, PROJECT SUPERVISOR AND PROFESSOR OF ARCHITECTURE AT TUSKEGEE INSTITUTE, AND DAVID ATES, HISTORICAL ARCHITECT AND DENVER SERVICE CENTER COORDINATOR, AND BY STUDENT ASSISTANT ARCHITECTS MICHELLE BEBBS, RUDOLPH BROWN, RONALD CARTER, ANITA SIGMOND (ALL OF TUSKEGEE INSTITUTE) AND MARCY BROOKS (TEXAS A & M UNIVERSITY). THE DRAWINGS WERE COMPLETED BY ANITA SIGMOND, LESLIE SIROKY, AND DAVID ARBOGAST OF THE DENVER SERVICE CENTER.

INDEX OF DRAWINGS

1 COVER SHEET
2 SITE PLAN
3 BASEMENT PLAN
4 FIRST FLOOR PLAN
5 SECOND FLOOR PLAN
6 THIRD FLOOR PLAN
7 NORTH ELEVATION
8 WEST ELEVATION
9 SOUTH ELEVATION
10 EAST ELEVATION
11 TRANSVERSE SECTION

ON MICROFILM

459
27,001

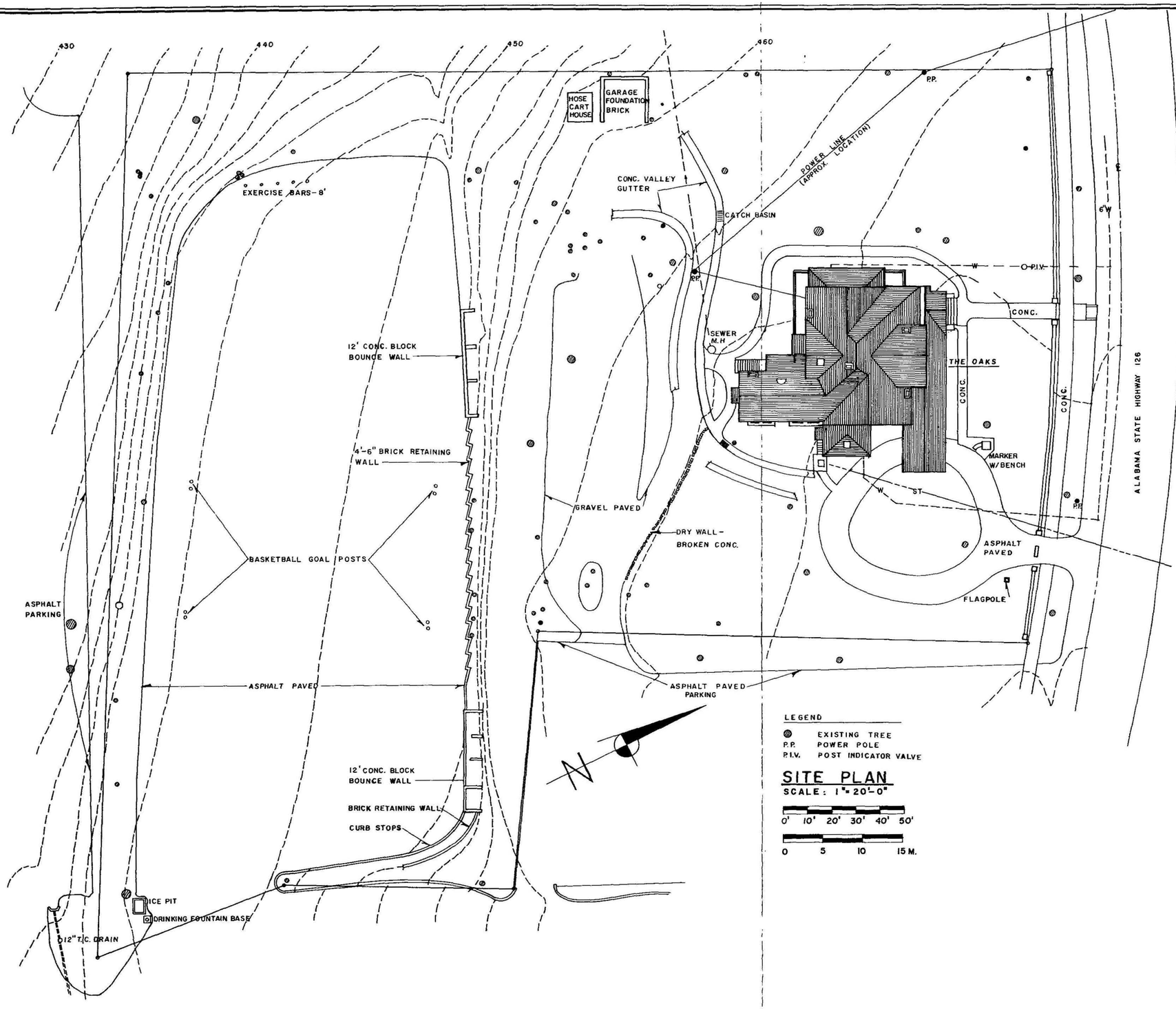
DRAWN BY D. ARBOGAST CHECKED BY D. L. ATES

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

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 1 OF 11 SHEETS

NAME AND LOCATION OF STRUCTURE:
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY TUSKEGEE, ALABAMA

THE OAKS



LEGEND

- EXISTING TREE
- P.P. POWER POLE
- P.I.V. POST INDICATOR VALVE

SITE PLAN

SCALE: 1"=20'-0"

0' 10' 20' 30' 40' 50'

0 5 10 15 M.

ON EXHIBITION

459
27,001

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

THE OAKS

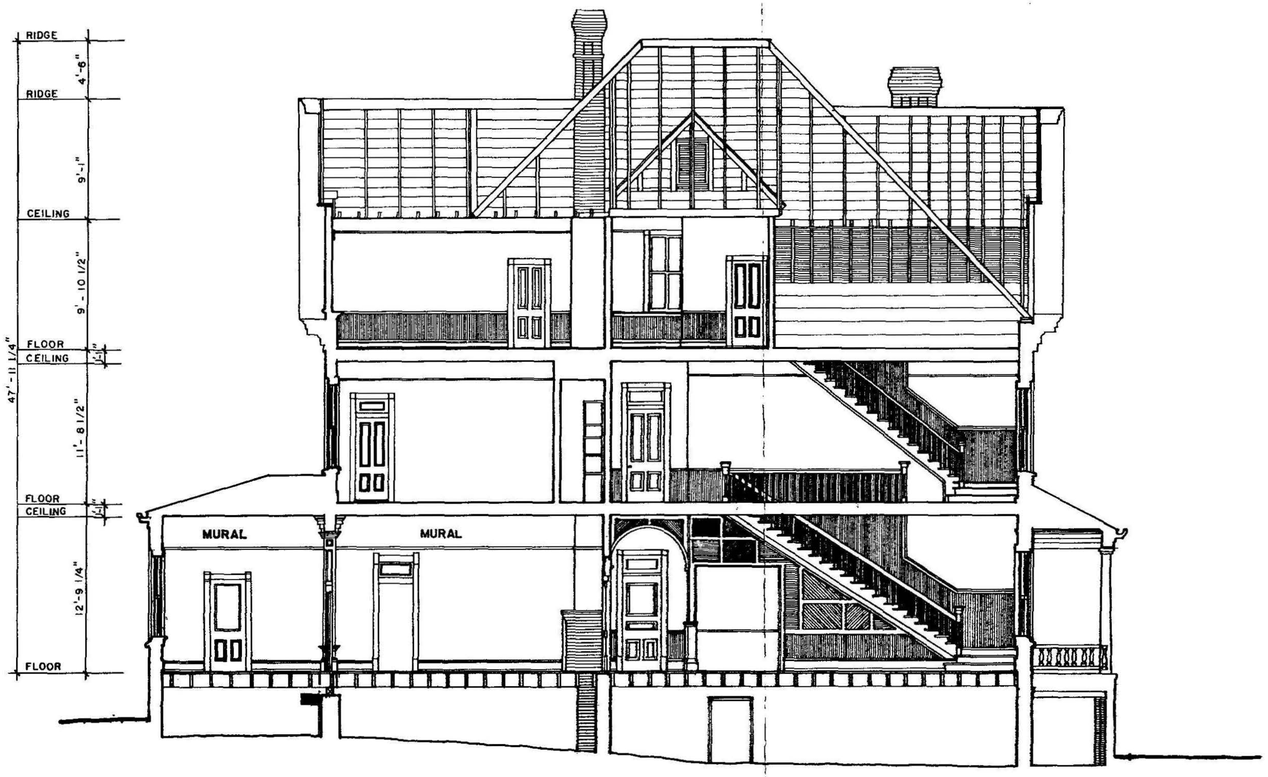
DRAWN BY: EDWARD PRYCE TRACED BY: RONALD CARTER REVISED BY: L. SIROKY CHECKED BY:

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 2 OF 11 SHEETS

LIBRARY OF CONGRESS
HALS ALA.



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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

N

459
27,001

ON MICROFILM

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

NATIONAL HISTORIC SITE

SURVEY NO.

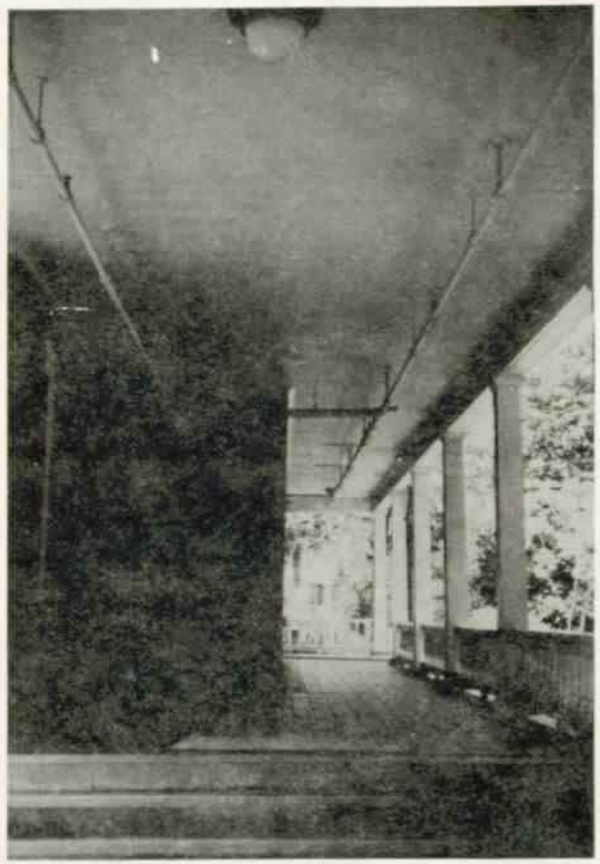
HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 11 OF 11 SHEETS

THE OAKS

DRAWN BY: M. BROOKS REVISED BY: A. SIGMOND CHECKED BY: D. ARBOGAST

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

P1 — Porch One — Looking East



P1 — Porch One — Looking West

PORCH ONE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899,Inst	Pink pointing mortar	Same		x					
Ceiling	Wood	Good	1899	Narrow boards, N.-S.	Same		x					
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Concrete	Good	1925	Formed into post bases	Wood deck	Tongue-and-groove flooring	x					
	Tilework	Fair	1925		Brown paint	Munsell 2.5YR 3/4	x					
	Grout	Fair	1925				x					
	Concrete steps	Good	1925		Wood steps	Different placement	x					
Base Wall	Brick	Good	1925	Hard brick	Brick piers	Five piers	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
	Vents (4)	Good	1925	Diamond pattern, nine holes	Wood lattice	Panels between piers	x					
Carriage Porch Bases (2)	Brick	Good	1925	Hard brick	Soft brick	Different configuration	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
	Concrete caps	Good	1925	Four caps	None		x					
Woodwork	Posts (12)	Fair	1899	Including pilaster	Same	Slightly altered ca. 1925						
	Railing	Good	1899		Same		x					
	Box beam	Good	1899		Same		x					
	Eaves	Fair	1899	Rotting from gutters	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/, peeling	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Roof	Shingles	Good	Inst.	Unpainted aluminum	Shingles	Pressed sheet metal, red paint				x	x	Reroof in future
	Ridge	Good	Inst.	Unpainted aluminum	Ridge	Sheet metal, painted red				x	x	Reroof in future
	Gutters	Fair	Inst.	Rarely cleaned	Gutters	Sheet metal				x	x	New gutters
Doorway to Foyer	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899		Same		x					
	White paint	Good	Inst.	Munsell N 9.5/, on frame	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Transom	Good	1899	Single light, cylinder glass	Same		x					
	Screen door	Fair	1925		None					x		Store in attic
	Brown paint	Good	Inst.	On door only	Brown paint	Munsell 2.5YR 3/4					x	Repaint

PORCH ONE (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Parlor Windows (pair)	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass, both sash	Same		x					
	Screen sash	Good	1925	Two panels each	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Study Window	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Carriage Porch Light	Metal, glass	Fair	1910	Incandescent, mounted to ceiling	Same				x			
Floodlights (2)	Metal, glass	Good	Inst.	Incandescent	None					x		
Fire Exting.	Metal	Good	Inst.	Seven nozzles	None					x	x	New fire system
	Green paint	Good	Inst.	Munsell 10GY 8/4	None					x		

101

PORCH TWO

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899,Inst	Pink pointing mortar	Same		x					
Ceiling	Wood	Poor	1899	Rotting in northwest corner	Same							
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4		x	x		x	Framing also Repaint
Floor	Concrete	Good	1925	Formed into post bases	Wood deck	Tongue-and-groove flooring	x					
	Tilework	Fair	1925		Brown paint	Munsell 2.5YR 3/4	x	x				
	Grout	Fair	1925				x	x				
	Concrete steps	Good	1925		Wood steps		x					
Base Wall	Brick	Good	1925	Hard brick	Soft brick	Wall sections and piers	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
Roof	Shingles	Good	Inst.	Unpainted aluminum	Shingles	Pressed sheet metal, red paint				x	x	Reroof in future
	Ridge	Good	Inst.	Unpainted aluminum	Ridge	Sheet metal, painted red				x	x	Reroof in future
	Gutters	Poor	Inst.	Clogged	Gutters	Sheet metal				x	x	New gutters
	Gable end siding	Fair	1899	Pressed sheet metal shingles	Same					x	x	New siding
	Brown paint	Fair	Inst.	Not sampled	Red paint						x	Paint new shingles
Woodwork	Posts (6)	Fair	1899		Same	Slightly altered ca. 1925		x				
	Railing	Good	1899		Same		x					
	Box beam	Fair	1899		Same			x				
	Eaves	Fair	1899	Rotting near downspout	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/, peeling	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Doorway to Front Hall	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Molded wood	Same		x					
	Sidelights (2)	Good	1899	Single panes, cylinder glass	Same		x					
	Transom	Good	1899	Two panes, cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Doorbell	Fair	1910	Inoperable	Same			x				
	Screen doors	Missing	1925		None		x					
	Doors (2)	Good	1899	Single panes, cylinder glass	Same		x					
	Brown paint	Good	Inst.	Not sampled	Brown paint	Munsell 2.5YR 3/4					x	Repaint

PORCH TWO (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Parlor Window	Masonry opening	Good	1899		Same							
	Frame	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two panels	None		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4				x		Store in attic
											x	Repaint
Ceiling Light	Metal, glass	Fair	1910	Incandescent	Same			x				
Electric	Mechanism	Poor	1910	In northwest corner	Same			x				
Floodlight	Metal, glass	Good	Inst.	Incandescent	None					x		
Fire Exting.	Metal	Good	Inst.	Five nozzles	None					x		
	Green paint	Good	Inst.	Munsell 10GY 8/4	None					x		

P2 – Porch Two – Looking South

P2 – Porch Two – Northwest Corner of Ceiling

P3 – Porch Three – Exterior

PORCH THREE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Wall	Brick	Good	1899		Same		x					
	Mortar	Good	1899,Inst	Pink pointing mortar	Same		x					
Ceiling	Wood	Good	1899	Narrow boards, E.-W.	Same		x					
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Concrete	Good	1925	Formed into post bases	Wood deck	Tongue-and-groove flooring	x					
	Tilework	Good	1925		Brown paint	Munsell 2.5YR 3/4	x					
	Grout	Good	1925				x					
Base Walls	Brick	Good	1925	Hard brick	Brick piers	Soft brick	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
	Vents (4)	Good	1925	Diamond pattern, nine holes			x					
Woodwork	Posts (7)	Good	1899	Includes two pilasters	Same		x					
	Railing	Good	1899		Same		x					
	Box beam	Good	1899		Same		x					
	Eaves	Fair	1899		Same				x			
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Roof	Shingles	Good	Inst.	Unpainted aluminum	Shingles	Pressed sheet metal, red paint				x	x	Reroof in future
	Ridge	Good	Inst.	Unpainted aluminum	Ridge	Sheet metal, painted red				x	x	Reroof in future
	Gutters	Fair	Inst.	Rarely cleaned	Gutters	Sheet metal				x	x	New gutters
North Window	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

105

PORCH THREE (cont.)

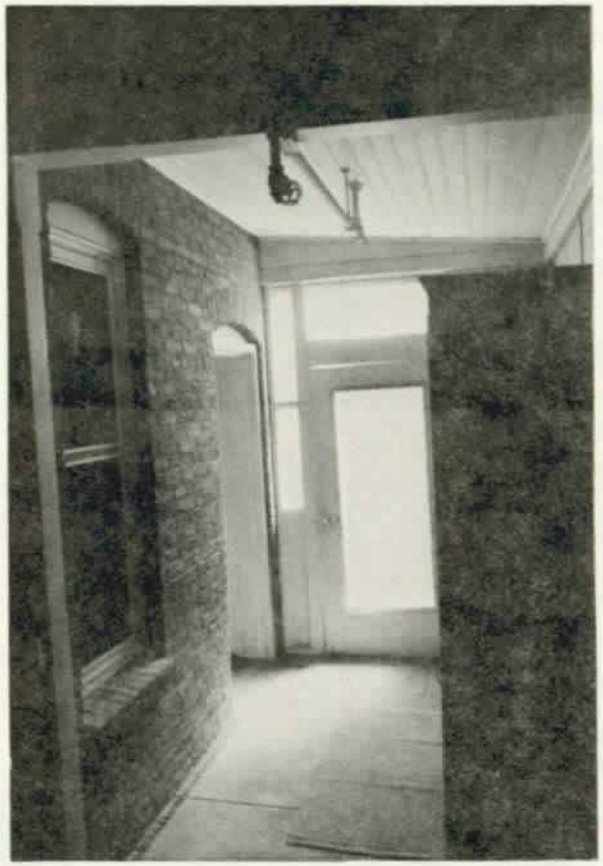
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Ceiling Light	Metal, glass	Fair	1910	Incandescent	Same			x				
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Green paint	Good	Inst.	Munsell 10GY 8/4	None					x		
	Gong	Good	Inst.	In base wall	None					x		
	Stand pipe	Good	Inst.	In base wall	None					x		
Piping	Water pipe	Good	1925		None		x					

PORCH FOUR

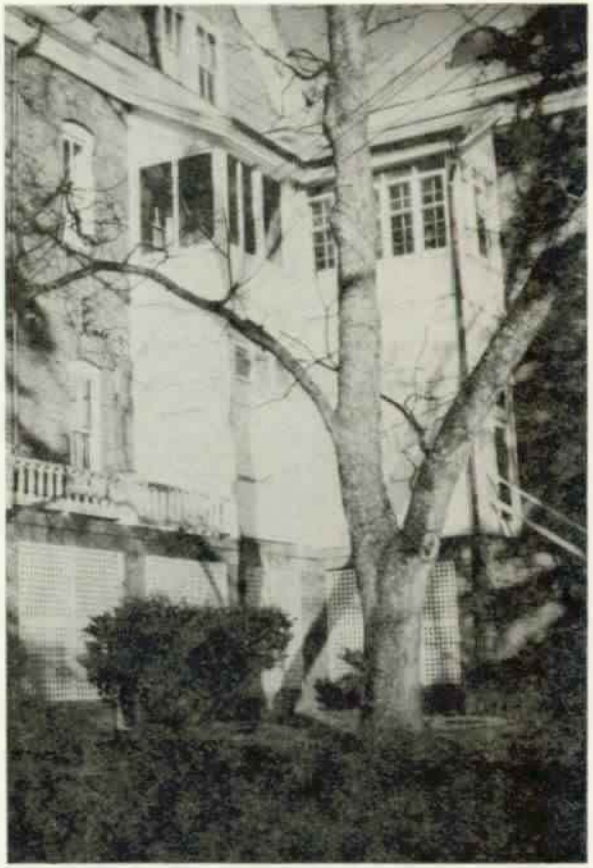
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Floor	Concrete	Good	1925		Wood deck	T & G flooring, painted brown	x					
Base Walls	Brick	Good	1925	Hard brick	Brick piers		x					
	Mortar	Good	1925	Portland cement	Mortar	Pink pointing mortar	x					
	Vent	Good	1925	Diamond pattern, nine holes	None		x					
	Wood	Good	Inst.	Lattice panels (3)	None		x					
	White paint	Good	Inst.	Munsell N 9.5/	None		x					
Woodwork	Posts (3)	Fair	1899,Inst	Rotting, some replaced	Same			x	x			
	Railing	Fair	1899,Inst	Rotting, some replaced	Same			x	x			
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

107

P3 – Porch Three – Looking South



P6 – Porch Six – Interior Looking South



P8 – Porch Eight
P5 – Porch Five
P9 – Porch Nine
P6 – Porch Six

Exteriors from Southwest Lawn

PORCH FIVE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Chamfered posts	Good	1899		Same		x					
	Wainscoting	Fair	1899		Same			x				
	Screens	Missing	1899		Same				x			
	Board infill	Good	Inst.		None					x		
	Louvered panels	Good	Inst.		None					x		
	West door	Missing	1899		Same				x			
	East wall	Good	Inst.		None					x		
	East door	Good	Inst.		None					x		
	Green paint	Good	Inst.	Munsell 10GY 8/4, interior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	White paint	Good	Inst.	Munsell N 9.5/, exterior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Brick	Good	1899	North wall	Same		x					
	Mortar	Good	1899	Pink pointing mortar	Same		x					
Ceiling	Wood	Good	1899	Beaded boards	Same		x					
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Concrete	Good	1925		Wood deck	T & G flooring, painted brown	x					
Window	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Missing	1925		None		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Light	Metal, glass	Good	Inst.	Incandescent	None					x		
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Green paint	Good	Inst.	Munsell 10GY 8/4	None					x		
Shelving	Wood	Good	Inst.		None					x		

109

PORCH SIX

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Chamfered posts	Good	1899,1910		Same		x					
	Wainscoting	Fair	1899,1910		Same			x				
	Screening	Missing	1910		Same				x			
	Plywood infill	Good	Inst.		None					x		
	Fiberglas	Good	Inst.		None					x		
	Wall to Porch 5	Good	Inst.		None					x		
	Door to Porch 5	Good	Inst.		None					x		
	Upper wall	Good	1899	Dividing N. and S. sections	Same		x					
	South door	Good	Inst.		Screen door					x	x	Historical screen door
	White paint	Good	Inst.	Munsell N 9.5/, exterior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Green paint	Good	Inst.	Munsell 10GY 8/4, interior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Brick	Good	1899	East and north walls	Same		x					
	Mortar	Good	1899	Pink pointing mortar	Same		x					
North Ceiling	Wood	Good	1899	Narrow, beaded boards	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Ceiling	Wood	Good	1910	Wide, beaded boards	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Concrete	Good	1925		Wood deck	T & G flooring, painted brown	x					
Doorway to Rear Hall	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	Transom	Fair	1899	Single pane, cylinder glass	Same			x				
	Green paint	Good	Inst.	Munsell 10GY 8/4	Varnish	Dark, glossy				x	x	Strip, revarnish
	Door	Fair	1899	Single panel, fiberglas	Similar	Cylinder glass pane		x				New glass
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Breakfast Room	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	Transom	Fair	1899		Same			x				
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				

PORCH SIX (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Kitchen	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	Green paint	Good	Inst.	Munsell 10GY 8/4	Varnish	Dark, glossy				x	x	Strip, revarnish
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Window	Masonry opening	Good	1899		Same		x					
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925		None					x		Store in attic
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Light	Metal, glass	Good	Inst.	Incandescent	None					x		
Fire Exting.	Metal	Good	Inst.	Three nozzles	None					x	x	New fire system
	White paint	Good	Inst.	Munsell N 9.5/	None					x		
Cabinet	Plywood	Good	Inst.		None					x		

111

PORCH SEVEN

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same							
	Mortar	Good	1899,Inst	Pink pointing mortar	Same		x					
Ceiling	Wood	Good	1899	Narrow boards	Same		x					
	Green paint	Good	Inst.	Munsell 10GY 8/4	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Wood	Fair	1899		Same							
	Roll tarpaper	Fair	Inst.		Brown paint	Munsell 2.5YR 3/4			x		x	Repaint
Parapet Wall	Wood framing	Fair	1899		Same							
	Wood ledge	Fair	1925	Straight	Wood ledge	Curving			x			
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4			x		x	Repaint
	Sheet metal	Good	Inst.		None					x		
	Shingles	Fair	1899	Pressed metal, outside wall	Same					x	x	Reshingle
	Brown paint	Fair	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Posts (6)	Fair	1899	Including two pilasters	Same				x			
	Eaves	Fair	1899	Two different types	Same				x			
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Doorway to Front Hall	Masonry opening	Fair	1899	Some mortar loss	Same				x			Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Screen door	Good	1925		None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Front Hall Window	Masonry opening	Fair	1899	Some mortar loss	Same				x			Repoint where needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

P7 – Porch Seven – Interior of Northwest Corner

P7 – Porch Seven – Exterior of Northwest Corner

North Elevation

PORCH SEVEN (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Portia's Bedroom Window	Masonry opening	Fair	1899	Some mortar loss	Same							Repoint as needed
	Frame	Fair	1899	Plain wood	Same			x				
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Fair	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Ceiling Light	Metal, glass	Fair	1910	Spherical glass globe	Same			x				
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Green paint	Good	Inst.	Munsell 10GY 8/4	None					x		

113

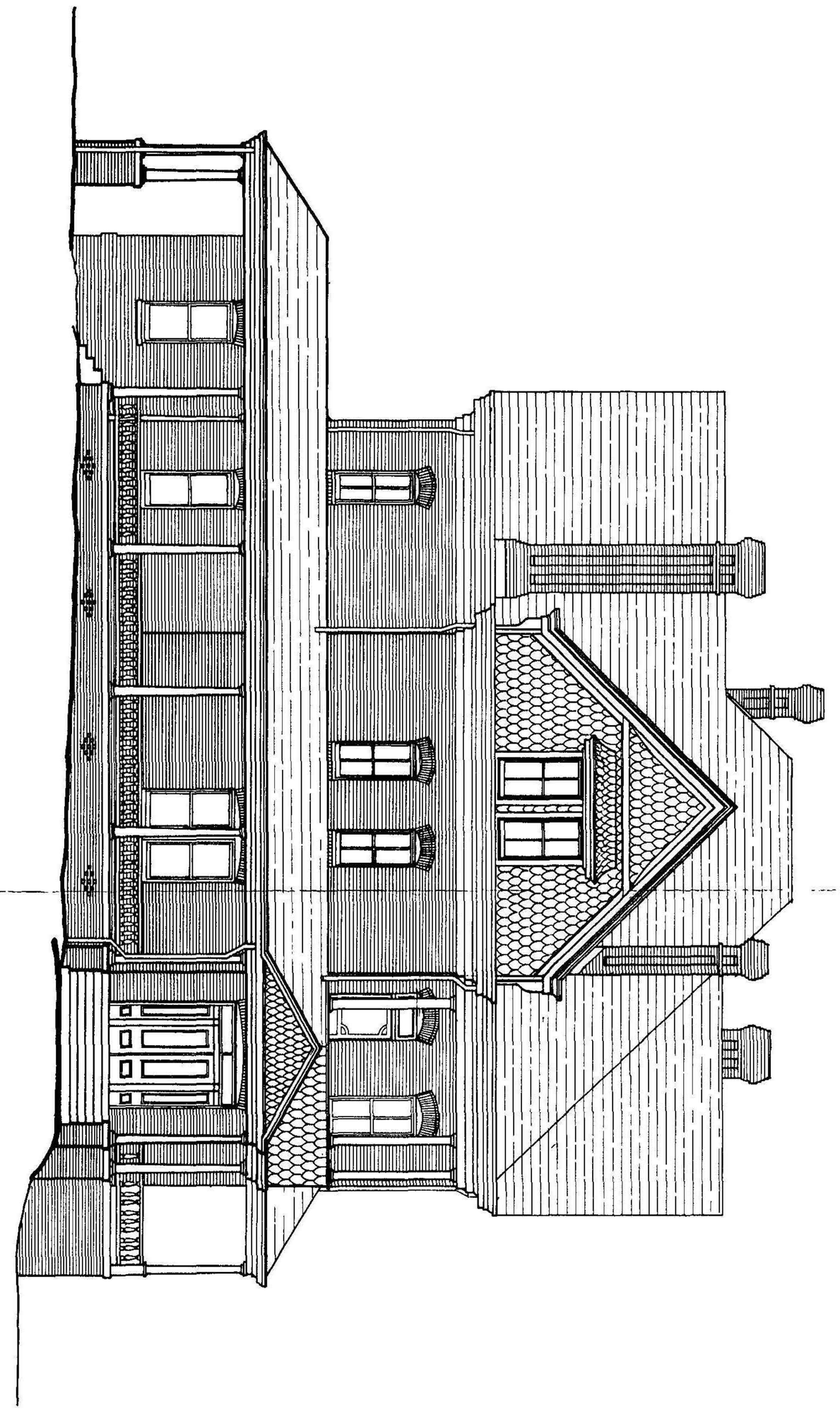
PORCH EIGHT

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Chamfered posts	Good	1910		Same		x					
	Wainscoting	Fair	1910		Same			x				
	Top wainscote	Good	1910	Above west wall screening	Same		x					
	Screening	Fair	1910		Same			x				
	Clapboarding	Good	1910	On east wall	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/, est. and int.	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Brick	Good	1899	North wall	Same		x					
	Mortar	Fair	1899	Pink pointing mortar	Same		x					
Ceiling	Chamfered beams	Good	1899	N.-S.	Same		x					
	Facing board	Good	1899	On north wall	Same		x					
	Ceiling boards	Good	1899	Narrow, beaded, E.-W.	Same		x					
	Off-white paint	Fair	Inst.	Munsell 5Y 9/1	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Wood flooring	Fair	1899		Same		x					
	Brown paint	Fair	Inst.	Munsell 5YR 4/1	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Roof	Shingles	Good	Inst.	Unpainted aluminum	Metal	Standing seam, painted red				x	x	Reroof
	Gutter	Fair	Inst.		Sheet metal					x	x	New gutter
	Eaves	Fair	1910		Same			x				
Bathroom Window	Masonry opening	Fair	1899	Some mortar loss	Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Good	1899	Cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Doorway to Den Entry	Frame	Good	1910		Same		x					
	Transom	Good	1910	Single pane, cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Door	Good	1910	Upper two panels of glass	Same		x					
	Varnish	Fair	1910	Dark, chipped	Same			x				
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire syster
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	None					x		

PORCH NINE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Chamfered posts	Good	1910		Same		x					
	Wainscoting	Fair	1910		Same			x				
	Top wainscote	Good	1910	Upper south wall	Same		x					
	Casement sash	Good	Inst.	South and west walls	Screening					x	x	New historical screening
	Clapboarding	Good	1910	North wall	Same		x					
	Yellow paint	Good	Inst.	Munsell 2.5Y 8/6, interior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	White paint	Good	Inst.	Munsell N 9.5/, exterior	Brown paint	Munsell 2.5YR 3/4					x	Repaint
	Brick	Good	1910	East wall	Same		x					
	Mortar	Good	1910	Pink pointing mortar	Same		x					
Ceiling	Chamfered beams	Good	1910	E.-W.	Same		x					
	Facing board	Good	1910	East wall	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Floor	Wood flooring	Good	1910		Same		x					
	Brown paint	Fair	Inst.	Munsell 5YR 4/1	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Roof	Shingles	Good	Inst.	Unpainted aluminum	Metal plate	Standing seam, painted red				x	x	Reroof
	Gutter	Fair	Inst.		Sheet metal					x	x	New gutter
	Eaves	Fair	1910		Same			x				
Doorway to Den	Masonry opening	Good	1910		Window opening						x	x Rebuild opening
	Door frame	Good	1910	Plain wood	Window frame						x	x Rebuild window frame
	Transom	Good	1912	Single pane, cylinder glass	2/2 d.h. sash						x	x New window sash
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4						x Repaint
	Door	Good	1912	Upper two panels of glass	None						x	x Rebuild wall to window sill
	Varnish	Good	Inst.	Mahogany color	None					x		Revarnish
Fire Exting.	Metal	Good	Inst.	One nozzle	None						x	x New fire system
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	None					x		

116



NORTH ELEVATION

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

0 1 2 3 4 5 M.

0' 4' 8' 12' 16'

459
27,001

DRAWN BY: M. BEBBS REVISED BY: A. SIGMOND CHECKED BY: D. L. ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

THE OAKS

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY TUSKEGEE, ALABAMA

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 7 OF 11 SHEETS

NORTH ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Second-floor Walls	Brick	Good	1899		Same		x					
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
Third-floor Walls	Shingles	Fair	1899	Pressed metal, two sizes.	Same					x	x	Reshingle
	Brown paint	Good	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Cornice	Fair	1899	Between 2nd and 3rd floors	Same			x				
	Eaves	Fair	1899	At gable end and sides	Same			x				
	Brackets (4)	Good	1899	Two at each corner	Same		x					
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Chimneys (2)	Brick	Good	1899		Same		x					
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
	Metal caps(2)	Good	Inst.		None		x					
	Iron tie rod	Good	1899	Between east chimney and roof	Same		x					
West Window, Portia's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
East Window, Portia's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Shower Room	Masonry opening	Fair	1899		Same			x				Repoint as neede
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Margaret Murray Washing- ton's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as ne ed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint						x	Repaint

119

NORTH ELEVATION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
West Window, Third Floor	Frame	Good	1899	Elliptical, plain wood	Same							
	Fixed sash	Good	1899	Single pane, elliptical	Same		x	x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
East Window, Third Floor	Frame	Good	1899	Elliptical, plain wood	Same							
	Fixed sash	Good	1899	Single pane, elliptical	Same		x	x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Windows, Third Floor	Hood	Good	1899	Molded wood	Same							
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Two sash	Same		x	x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

WEST ELEVATION

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

459
27,001

DRAWN BY: M. BERRY REVISED BY: A. SIGMOND CHECKED BY: D.L. ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

THE OAKS

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE
OLD MONTGOMERY ROAD
MACON COUNTY TUSKEGEE, ALABAMA

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 8 OF 11 SHEETS

NATIONAL HISTORIC SITE

WEST ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Lower Wall	Brick	Good	1899		Same		x					
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
Third-floor Wall	Shingles	Fair	1899	Pressed sheet metal	Same					x	x	Reshingle
	Brown paint	Good	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Cornice	Fair	1899	Between 2nd and 3rd floors	Same			x				
	Eaves	Fair	1899	At gable end	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Boys' Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Front Hall	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Windows, Third Floor (2)	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

123

Northwest Corner

West Elevation

South Elevation

SOUTH ELEVATION

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

459
27,001

ON MICROFILM

DRAWN BY: A. SIGMOND REVISED BY: A. SIGMOND CHECKED BY: D.L.ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

THE OAKS

TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY TUSKEGEE, ALABAMA

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 9 OF 11 SHEETS

SOUTH ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Lower Wall	Brick	Good	1899		Same		x					
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
Third-floor Wall	Shingles	Fair	1899	Pressed sheet metal	Same					x	x	Reshingle
	Brown paint	Good	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Cornice	Fair	1899	Between 2nd and 3rd floors	Same			x				
	Eaves	Fair	1899	At gable end	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Chimney	Brick	Fair	1899		Same			x				
	Mortar	Fair	1899	Pink pointing mortar	Same			x				Repoint as needed
	Metal cap	Missing	Inst.		None						x	New cap
	Iron tie rod	Fair	1899	Tieing chimney to roof	Same			x				
West Window, Guest Room	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899		Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
East Window, Guest Room	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Boys' Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Boys' Bathroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

127

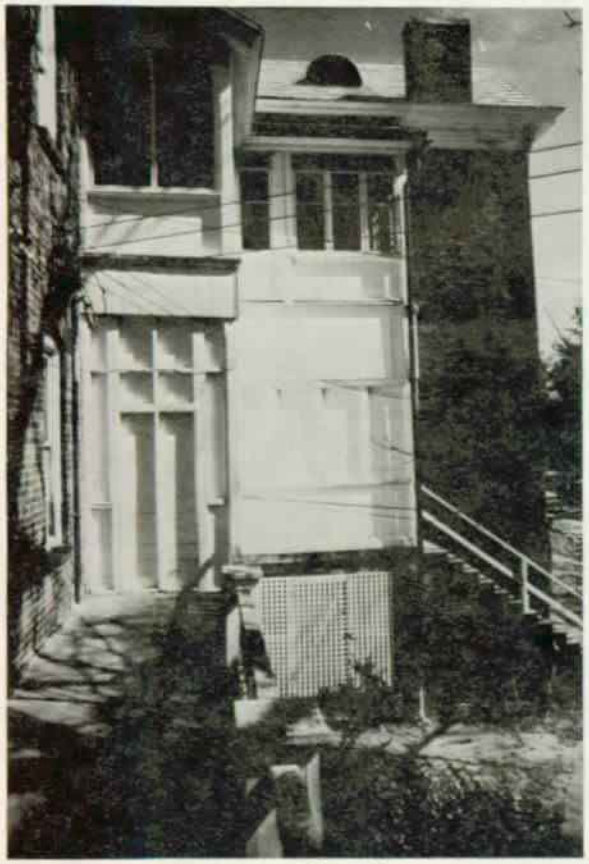
SOUTH ELEVATION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Windows (2), Third Floor	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Attic Vent	Frame	Good	1899	Plain wood	Same		x					
	Louvers	Fair	1899	Plain wood	Same			x				
Electric	Supply wiring	Good	Inst.		None					x	x	Underground service

WEST WING ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Wall	Brick	Good	1899,1910	Second floor added ca. 1910	Same		x					
	Mortar	Fair	1899,1910	Pink pointing mortar	Same			x				Minor repointing
Cornice	Molded wood	Fair	1910		Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Chimney	Brick	Fair	1910	Lowered by Institute	Similar				x			Restore to historic height
	Mortar	Fair	1910	Pink pointing mortar	Same				x			Repoint as needed
	Metal cap	Good	Inst		None						x	New cap
Stair	Concrete steps	Good	1925		Wood steps		x					
	Brick wall	Good	1925	Hard brick	Brick piers		x					
	Mortar	Good	1925	Portland cement mortar	Wood infill		x					
	Railing	Good	Inst.	Plain wood	Wood rail		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

129



West Wing Elevation

South Wing Elevation

East Wing Elevation

SOUTH WING ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Wall	Brick	Fair	1899,1910	Second floor added ca. 1910	Same			x	x			
	Mortar	Fair	1899,1910	Pink pointing mortar	Same			x				Repoint as needed
	Ironwork	Fair	1910	Misc. pieces set into wall	Same		x					
Gable End	Shingles	Fair	1910	Pressed sheet metal	Same					x	x	Reshingle
	Brown paint	Good	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Cornice	Fair	1910	Between 2nd floor and gable	Same			x				
	Gable eaves	Fair	1910		Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Doorway to Basement	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	Door	Fair	1899		Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Basement Doorway Roof	Framing	Good	1910	Chamfered square eembers	Same		x					
	Wood infill	Good	1910	Vertical boards, each end	Same		x					
	Wood sheathing	Good	1910	Narrow boards	Same		x					
	Shingles	Good	Inst.	Unpainted aluminum	Sheet metal	Standing seam, painted red				x	x	Reroof, paint red (future)
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint woodwork
Window, Kitchen	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Den	Masonry opening	Fair	1910		Same	Built as longer door opening		x				Repoint as needed
	Frame	Good	1910	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1910	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Gable Vent	Frame	Good	1910	Plain wood	Same		x					
	Louvers	Fair	1910	Plain wood	Same			x				
Electric	Supply wiring	Good	Inst.		None					x	x	Underground rvice

131

EAST WING ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Wall	Brick	Fair	1899,1910	Second floor added ca. 1910	Same			x				
	Mortar	Fair	1899,1910	Pink pointing mortar	Same			x				Repoint as needed
	Ironwork	Fair	1910	Misc. pieces set into wall	Same		x					
Cornice	Wood	Fair	1899,1910	Cornice extended ca. 1910	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window Wells(2)	Brick	Fair	1899		Same			x				
	Mortar	Fair	1899,Inst		Same			x				Repoint as needed
	Concrete	Fair	1899	Caps and floors	Same		x					
South Window, South Basement Well	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Fair	1899	Plain wood	Same			x				
	6/6 d.h. sash	Poor	1899	Cylinder glass	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Window, South Basement Well	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Fair	1899	Plain wood	Same			x				
	6/6 d.h. sash	Poor	1899	Cylinder glass	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window, North basement Well	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Fair	1899	Plain wood	Same			x				
	6/6 d.h. sash	Poor	1899	Cylinder glass	Same			x				
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Window, North Basement Well	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Poor	1899	Plain wood	Same				x			
	6/6 d.h. sash	Missing	1899	Board infill by Institute	Same	Cylinder glass			x			
	White paint	Poor	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Paint new frame and sash
	Steam pipes	Fair	Inst.		None					x		
South Window, Kitchen	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

132

EAST WING ELEVATION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
North Window, Kitchen	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window, Breakfast Room	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Fair	1899	Plain wood	Same			x				
	2/2 d.h. sash	Poor	1899	Cylinder glass	Same			x				Rebuild lower sash
	White paint	Fair	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Window, Breakfast Room	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, Pantry	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window, Den	Masonry opening	Fair	1910		Same			x				Repoint as needed
	Frame	Good	1910	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1910	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Window, Den	Masonry opening	Fair	1910		Same			x				Repoint as needed
	Frame	Good	1910	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1910	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Window, BTW's Bathroom	Masonry opening	Poor	1899	Brick falling from arch	Same			x				Repair and repoint
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Vent Pipe	Cast iron	Fair	1905	Minor rusting	Same			x				
	Paint	Fair	Inst.	Matching adjacent areas	Similar						x	Repaint

DINING ROOM ADDITION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1905		Same							
	Mortar	Fair	1905,Inst	Pink pointing mortar	Same		x					
								x				Repoint as needed
Eaves	Wood	Fair	1905		Same							
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4		x				
											x	Repaint
Doorway	Masonry opening	Fair	1905		Same							
	Frame	Good	1905	Plain wood	Same			x				Repoint as needed
	Screen door	Good	1925	Three panels	None		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4				x		Store in attic
	Door	Fair	1905	Inoperable	Same						x	Repaint
	Brown paint	Fair	Inst.	Not sampled	Brown paint	Munsell 2.5YR 3/4		x				
											x	Repaint
Doorway Roof	Framing	Good	1905	Chamfered square members	Same		x					
	Wood infill	Good	1905	Vertical boards, each end	Same		x					
	Wood sheathing	Good	1905	Narrow boards	Same		x					
	Shingles	Good	Inst.	Unpainted aluminum	Sheet metal	Standing seam, painted red				x	x	Reroof, paint red
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint woodwork
East Windows (3)	Masonry opening	Fair	1905		Same							
	Frames	Good	1905	Plain wood	Same			x				Repoint as needed
	1/1 d.h. sash	Good	1905	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two-panel, over end windows	None		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4				x		Store in attic
											x	Repaint
North Window	Masonry opening	Fair	1905		Same							
	Frame	Good	1905	Plain wood	Same			x				Repoint as needed
	1/1 d.h. sash	Good	1905	Cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4	x					
											x	Repaint
North Vent	Masonry opening	Good	1925		None		x					
	Parging	Good	1925	Portland cement	None		x					
	Grille	Fair	1925	Cast iron, minor rusting	None			x				

134

DINING ROOM ADDITION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Upper Vent, East Wall	Masonry opening	Good	1925		None					x		Restore brick masonry
	Parging	Good	1925	Portland cement	None					x		
	Grille	Fair	1925	Cast iron, minor rusting	None					x		
Lower Vent, East Wall	Masonry opening	Fair	1905	Partially covered by grade	Same	Nine holes, diamond pattern		x				Lower grade
	Mortar	Fair	1905	Pink pointing mortar	Same			x				Repoint as needed
South Vent	Masonry opening	Good	1925		None		x					
	Parging	Good	1925	Portland cement	None		x					
	Grille	Fair	1925	Cast iron, minor rusting	None			x				
Stair	Concrete	Fair	1925		None	Originally location of conservatory opening from the dining room addition	x					
	Brick	Good	1925	Hard brick	None		x					
	Mortar	Fair	1925	Pink Portland cement	None		x					
	Railing	Missing	1925	Iron pipe railing	None				x			

135

EAST ELEVATION

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

459
27,001

DRAWN BY: A. SIGMOND REVISED BY: A. SIGMOND CHECKED BY: D.L. ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE
OLD MONTGOMERY ROAD
MACON COUNTY TUSKEGEE, ALABAMA

NATIONAL HISTORIC SITE

THE OAKS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 10 OF 11 SHEETS

ON MICROFILM

EAST ELEVATION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Lower Wall	Brick	Good	1899		Same		x					
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
Gable End Wall	Shingles	Fair	1899	Pressed sheet metal	Same					x	x	Reshingle
	Brown paint	Good	Inst.	Not sampled	Red paint	Munsell 8.5R 3.5/6					x	Paint new shingles
Woodwork	Cornice	Fair	1899	Between 2nd and 3rd floors	Same			x				
	Eaves	Fair	1899	At gable end	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
Chimney	Brick	Fair	1899		Same			x				
	Mortar	Fair	1899,Inst	Pink pointing mortar	Same			x				Repoint as needed
	Metal cap	Good	Inst.		None		x					
Windows (3), Study	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frames	Good	1899	Plain wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass	Same		x					
	Screen sash	Good	1925	Two-panel, over end windows	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window, Booker T. Washington's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
North Window, Booker T. Washington's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	Screen sash	Good	1925	Two panels	None					x		Store in attic
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint
South Window, Margaret Murray Washington's Bedroom	Masonry opening	Fair	1899		Same			x				Repoint as needed
	Frame	Good	1899	Plain wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same			x				
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4					x	Repaint

139

EAST ELEVATION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
North Window, [illegible]'s Bedroom	Masonry opening	Fair	1899		Same							
	Frame	Good	1899	Plain wood	Same			x				Repoint as needed
	2/2 d.h. sash	Fair	1899	Cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4		x			x	Repaint
Gable Windows (2)	Frame	Good	1899	Plain wood	Same							
	4/4 d.h. sash	Poor	1899	Cylinder glass	Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4		x			x	Repaint
Attic Vent	Frame	Good	1899	Plain wood	Same							
	Louvers	Fair	1899		Same		x					
	White paint	Good	Inst.	Munsell N 9.5/	Brown paint	Munsell 2.5YR 3/4		x			x	Repaint
Crawlspace Vent	Masonry opening	Good	1925		None							
	Parging	Good	1925	Portland cement	None		x					
	Grille	Fair	1925	Cast iron, minor rusting	None		x					
								x				

East Elevation

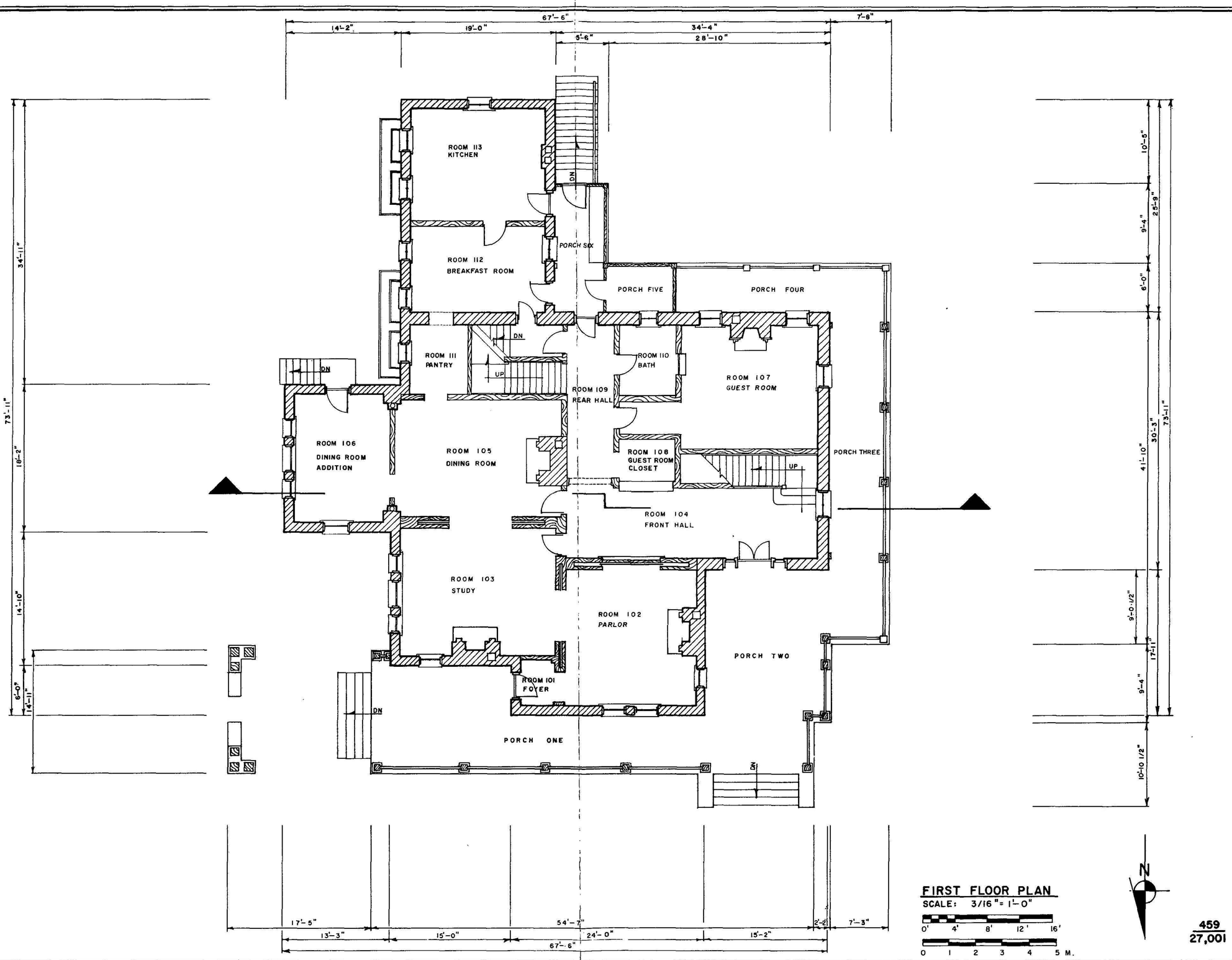
Northeast Roofs

Southeast Roofs

ROOFS

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Main Roof	Shingles	Good	Inst.	Unpainted aluminum	Shingles	Pressed sheet metal, red paint				x	x	Reroof in future
	Ridges	Good	Inst.	Unpainted aluminum	Ridges	Sheet metal, painted red				x	x	Reroof in future
					Ridge ends (2)	At top of roof, now missing			x			
	Valleys	Good	Inst.	Unpainted aluminum	Valleys	Sheet metal, painted red				x	x	Reroof in future
	Hatch	Good	1899,Inst	On south gable	Similar	Covered with sheet metal				x	x	Recover in future
Den Roof	Shingles	Good	Inst.	Unpainted aluminum	Sheet metal	Standing seam, painted red				x	x	Reroof in future
	Ridge	Good	Inst.	Unpainted aluminum	Sheet metal	Simple seam				x	x	Reroof in future
	Dormer	Fair	1910	Sheet metal, louvers covered	Same			x				
Dining Room Addition Roof	Shingles	Good	Inst.	Unpainted aluminum	Sheet metal	Standing seam, painted red				x	x	Reroof in future
	Ridges	Good	Inst.	Unpainted aluminum	Ridges	Sheet metal seams				x	x	Reroof in future
	Hatch	Good	1905,Inst	Covered with plain aluminum	Similar	Covered with sheet metal				x	x	Recover in future
Vent Pipes (2)	Cast iron	Fair	1900	Venting bathrooms	Same			x				
Gutters	Copper	Fair	Inst.	Clogged	Sheet metal					x	x	New gutters
Downspouts	Copper	Fair	Inst.	Clogged	Sheet metal					x	x	New downspouts
Lightning system	Conduit	Fair	Inst.	Inside downspouts, unusual	None			x				See engineering section

C. FIRST FLOOR



FIRST FLOOR PLAN
SCALE: 3/16" = 1'-0"

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

N

459
27,001

DRAWN BY: R. BROWN REVISED BY: L. SIROKY CHECKED BY: D.L. AYES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

THE OAKS

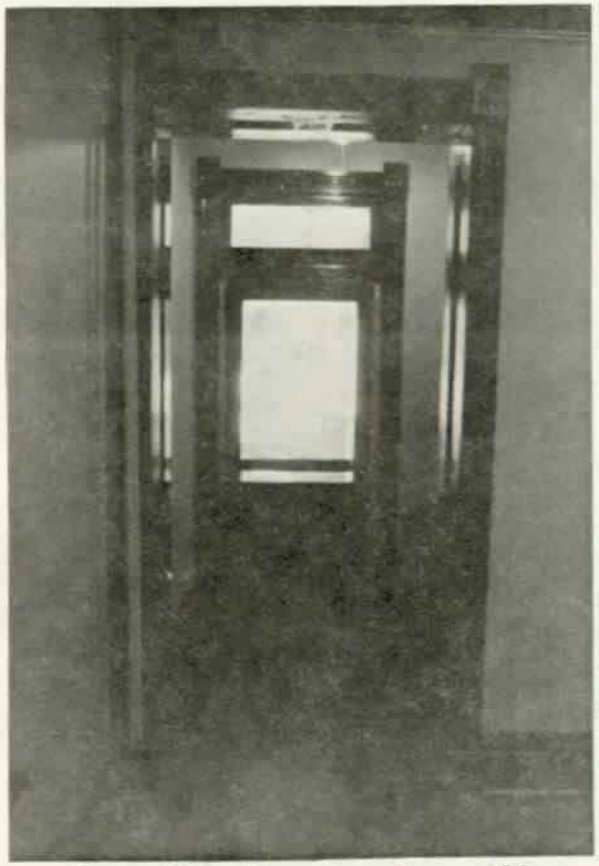
SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 4 OF 11 SHEETS

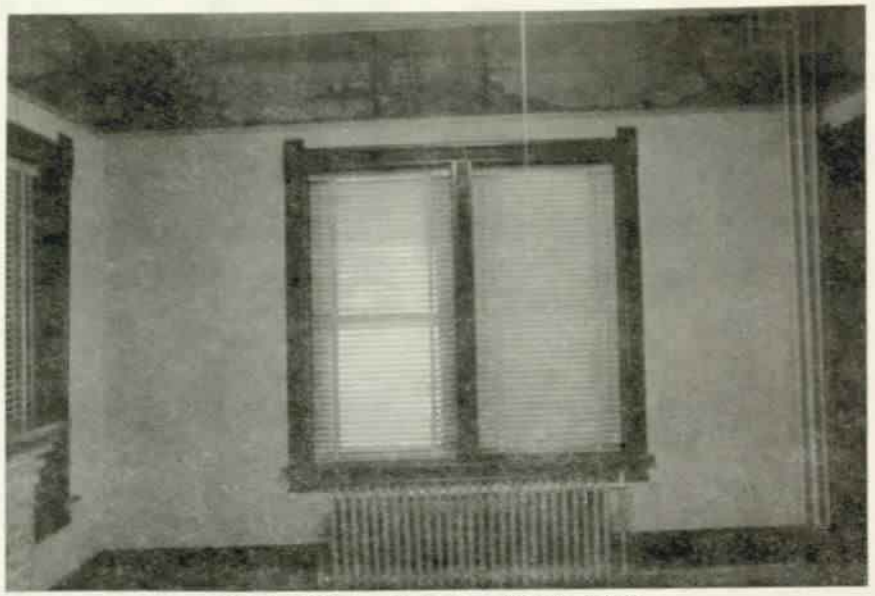
ON MICROFILM

ROOM 101 - FOYER

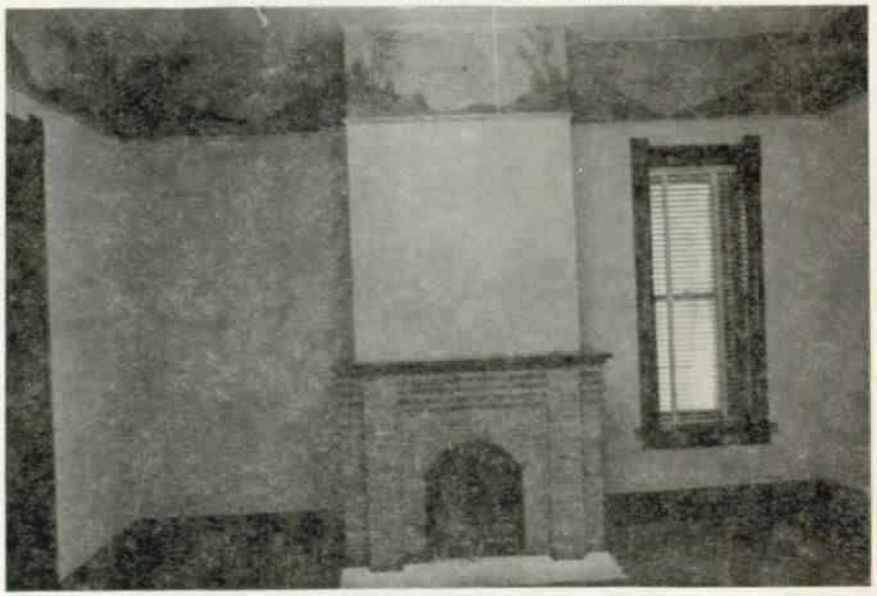
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Green paint	Good	Inst.	Munsell 5GY 8/2	Dark red paint	Munsell 2.5R 2/8					x	Repaint
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Tan paint	Munsell 2.5Y 7/3					x	Repaint
Floor	Sub-flooring	Good	1899	Laid diagonally	Same		x					
	Top-flooring	Good	1910	Diagonal inside straight border, refinished by Inst.	Same		x					
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899	Door rehung, stopped shut	Same	Single pane of glass		x				Rehang reopen
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Parlor	Frame	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Light	Metal, glass	Good	1905	Lily shade, incandescent bulb	Same		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Paint	Good	Inst.	Matching ceiling	None					x		



Room 101 – Foyer from Room 102



Room 102 – Parlor – North Wall



Room 102 – Parlor – West Wall

ROOM 102 - PARLOR

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same			x				
	Frieze mural	Fair	1908	Needs conservation	Same	Signed "A.W. Barman '08"		x				By art conservator
	Green paint	Good	Inst.	Munsell 5GY 8/2	Dark red paint	Munsell 2.5R 2/8					x	Repaint
Picture Molding	Wood	Good	1899	Lowered with painting of mural	Same		x					
	Nailing strip	Good	1899	Paint peeling, center of mural	Same		x					
	Silver paint	Fair	Inst.	Cracking and peeling	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking, esp. in corners	Same			x				
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1910	Diagonal inside border, refinished, ground, gouged	Same			x				
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
	Telephone hole	Good	Inst.	Center of floor, missing cover	None					x		Fill, refinish
Fireplace	Brick masonry	Fair	1920	Settlement problems	Wood mantel	Moved to MMW's bedroom				x	x	Replace original mantel
	Tilework	Good	1920	Large, white tiles	Tilework	Narrow, brown, mottled tiles				x	x	Historical tilework
	Wood shelf	Good	1920	Plain wood	None					x		
	Firebox	Fair	1920	Beige brick masonry	Firebox	For coal grate, smaller				x	x	Rebuild firebox
	Brass andirons	Good	1920	Tarnished, pipes with fittings	Grate and cover	For coal, cast iron, missing			x	x		
	Varnish	Good	1920	Dark, on shelf	Similar	On existing mantelpiece		x		x		Repair MMW's mantel varnish
Doorway to Foyer	Frame	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Study	Frame	Fair	1899	Molded wood, corner broken	Same			x				
	Doors (2)	Fair	1899	Sliding type	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				

149

ROOM 102 - PARLOR (cont.)

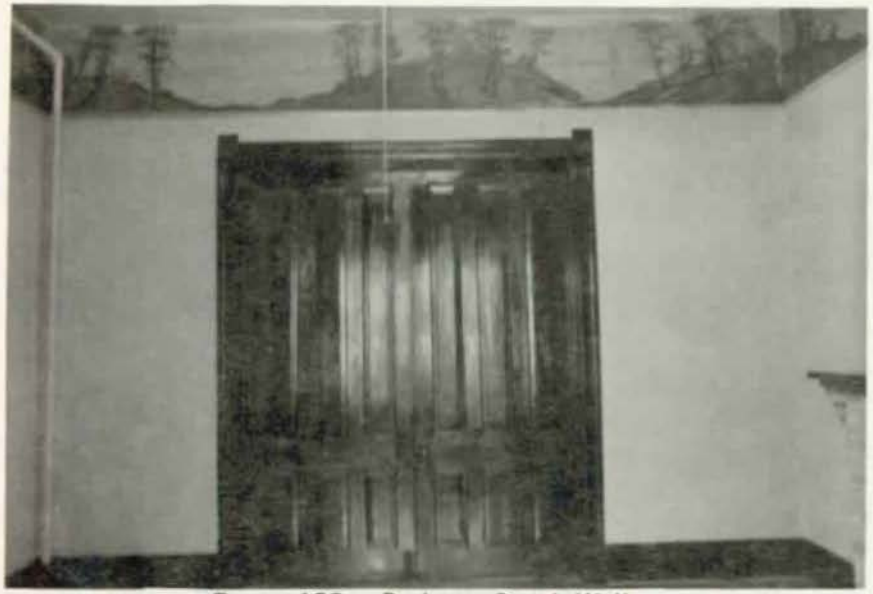
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Front Hall	Frame	Good	1899	Molded wood	Same		x					
	Doors (2)	Fair	1899	Sliding, blocked shut	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
North Windows (pair)	Frame	Good	1899	Molded wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass, molded sash	Same		x					
	Shutters (2)	Missing	1899	Hinge sections filled	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
West Window	Frame	Good	1899	Molded wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass, molded sash	Same		x					
	Shutters (2)	Missing	1899	Hinge sections filled	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1925		None					x		
	Silver paint	Fair	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier	As seen in historic photo				x	x	Replica
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		
Piping	Metal	Good	1905	3 vertical pipes, N.E. corner	Same		x					
Electric	Outlets	Good	1925, Inst.		None					x		Repair baseboard

ROOM 103 - STUDY

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Frieze mural	Fair	1908	Needs conservation	Same			x				By art conservator
	Green paint	Good	Inst.	Munsell 5GY 8/2	Dark red paint	Munsell 2.5R 2/8					x	Repaint
Picture Molding	Wood	Good	1899	Lowered with painting of mural	Same		x					
	Nailing strip	Good	1899	Paint peeling, center of mural	Same		x					
	Silver paint	Fair	Inst.	Cracking and peeling	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Good	1910	Diagonal inside border, refinished, ground, gouged	Same			x				
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
	Telephone hole	Good	Inst.	Center of floor, missing cover	None					x		Fill, refinish
Fireplace	Brick masonry	Fair	1920	Settlement problems	Wood mantel	Identical to Parlor mantel				x	x	Replica
	Tilework	Good	1920	Large, white tiles	Tilework	Narrow, brown, mottled tiles				x	x	Historical tilework
	Wood shelf	Good	1920	Plain wood	None					x		
	Firebox	Fair	1920	Beige brick masonry	Firebox	For coal grate, smaller				x	x	Rebuild firebox
	Brass andirons	Good	1920	Tarnished, pipes with fittings	Grate and cover	For coal, cast iron, missing			x	x		
	Varnish	Good	1920	Dark, on shelf	Similar	Matching other woodwork		x			x	Varnish new mantelpiece
Doorway to Parlor	Frame	Good	1899	Molded wood	Same		x					
	Doors (2)	Fair	1899	Sliding type	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Front Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1910	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				

ROOM 103 - STUDY (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Dining Room	Frame	Good	1899	Molded wood	Same		x					
	Doors (2)	Fair	1899	Sliding type	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
East Windows (Set of 3)	Frame	Fair	1899	New center sill board	Same		x					
	1/1 d.h. sash	Good	1899	Lower pane, S. window cracked	Same		x					
	Shutters (12)	Missing	1899	Hinge sections filled	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
North Window	Frame	Good	1899	Molded wood	Same		x					
	1/1 d.h. sash	Good	1899	Cylinder glass molded sash	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Fluorescent	Electrolier	As seen in historic photo				x	x	Replica
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst	Matching walls and ceiling	None					x		
Piping	Metal	Good	1920	Two pipes to radiator above	None					x		
Electric	Outlets	Good	Inst.		None					x		Repair baseboard



Room 102 – Parlor – South Wall

Room 103 – Study – South Wall

Room 104 – Front Hall – Looking East

Room 104 – Front Hall – Looking West

ROOM 104 - FRONT HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Green paint	Good	Inst.	Munsell 5GY 8/2, lower walls	Dark red paint	Munsell 2.5R 2/8					x	Repaint
	White paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 2.5Y 7/4					x	Repaint
	Wainscoting	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Picture Molding	Wood	Good	1899		Same		x					
	Green paint	Good	Inst.	Munsell 5GY 8/2	Gilding			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1910	Diagonal inside border, refinished, ground, gouged	Same			x				
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Stair	Wood wall	Fair	1899	E. end area removed by Institute	Same	Elaborate panelling	x		x			Replace east end
	Wainscoting	Fair	1899	E. end removed by Institute	Same		x		x			Replace east end
	Baseboard	Fair	1899	E. end removed by Institute	Same		x		x			Replace east end
	Treads (23)	Fair	1899	Refinished by Institute	Same			x				Refinish
	Risers (25)	Good	1899		Same		x					
	Railing	Good	1899	Some looseness	Same		x					
	Balusters (41)	Good	1899	Some looseness	Same		x					
	Newel post	Fair	1899	Small section missing	Same			x				
	Varnish	Fair	1899	Dark, chipped, exc. treads	Same			x				
Doorway to Parlor	Frame	Good	1899	Molded wood	Same		x					
	Infill	Good	Inst.		None						x	Reopen doors
	Varnish	Fair	1899	Dark, chipped	Same			x				

ROOM 104 - FRONT HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Study	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1910	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Dining Room	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Rear Hall	Frame	Good	1899	Round arched head	Same	Panelled head and jambs	x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to C.R. Closet	Frame	Good	Inst.	Plain wood	None						x	
	Varnish	Good	Inst.	Dark	None						x	
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Doors (2)	Good	1899	Cylinder glass pane, each leaf	Same		x					
	Transom	Good	1899	Two fixed cylinder glass panes	Same		x					
	Sidelights (2)	Good	1899	Cylinder glass pane, each side	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Upper north pane cracked	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same					x		
	Varnish	Fair	1899	Dark, chipped	Same			x				
Baseboard	Wood	Good	1899	Molded wood	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1920		None						x	
	Silver paint	Fair	Inst.		None						x	

ROOM 104 - FRONT HALL (cont. -2)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Light	Metal, glass	Good	Inst.	Fluorescent	Electrolier					x	x	Historical fixture
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		
Piping	Metal	Good	1920	Two pipes to radiator above	None					x		
Electric	Outlets	Good	Inst.		None					x		
Fountain	Oasis brand	Good	Inst.		None					x		

156

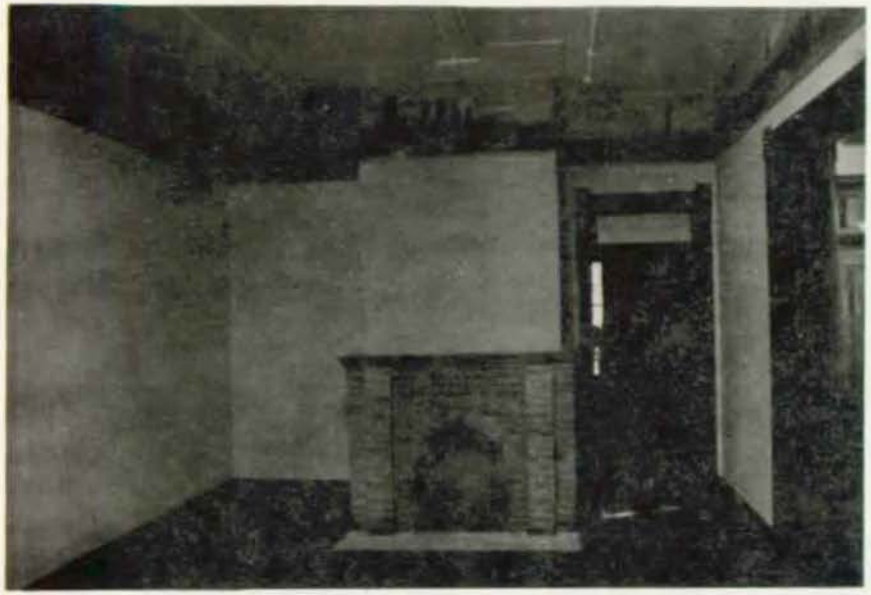
ROOM 105 - DINING ROOM

ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	HISTORICAL DESCRIPTIONS: MATERIAL	HISTORICAL DESCRIPTIONS: COMMENTS	RECOMMENDATIONS: PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	RECOMMENDATIONS: COMMENTS
Walls: N.,S., and W.	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Frieze mural	Fair	1908	Needs conservation	Same			x				By art conservator
	Yellow paint	Good	Inst.	Munsell 7.5Y 9/3	Dark red paint	Munsell 2.5R 2/8					x	Repaint
East Wall	Gypsum board	Good	Inst.		None					x		
	Yellow paint	Good	Inst.	Munsell 7.5Y 9/3	None					x		
Picture Molding	Wood	Good	1899	Lowere with painting of mural	Same		x					
	Nailing strip	Good	1899	Paint peeling, center of mural	Same		x					
	Silver paint	Fair	Inst.	Cracking and peeling	Gilded				x		x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1910	Diagonal in border on N,W,&S, refinished, ground, gouged	Same			x				
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
	Telephone hole	Good	Inst.	Near S. wall, missing cover	None			x				Fill, refinish
Fireplace	Brick masonry	Fair	1920	Settlement problems	Wood mantel	As in historic photograph				x	x	Replica
	Tilework	Good	1920	Large, white tiles	Tilework	Narrow, brown, mottled tiles				x	x	Historical tilework
	Wood shelf	Good	1920	Plain wood	None					x		
	Firebox	Fair	1920	Beige brick masonry	Firebox	For coal grate, smaller				x	x	Rebuild firebox
	Brass andirons	Good	1920	Tarnished, pipes with fittings	Grate and cover	For coal, cast iron, missing			x	x		
	Varnish	Good	1920	Dark, on shelf	Similar	Matching other woodwork					x	Varnish new mantelpiece
Doorway to Study	Frame	Good	1899	Molded wood	Same		x					
	Doors (2)	Fair	1899	Sliding type	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				

157

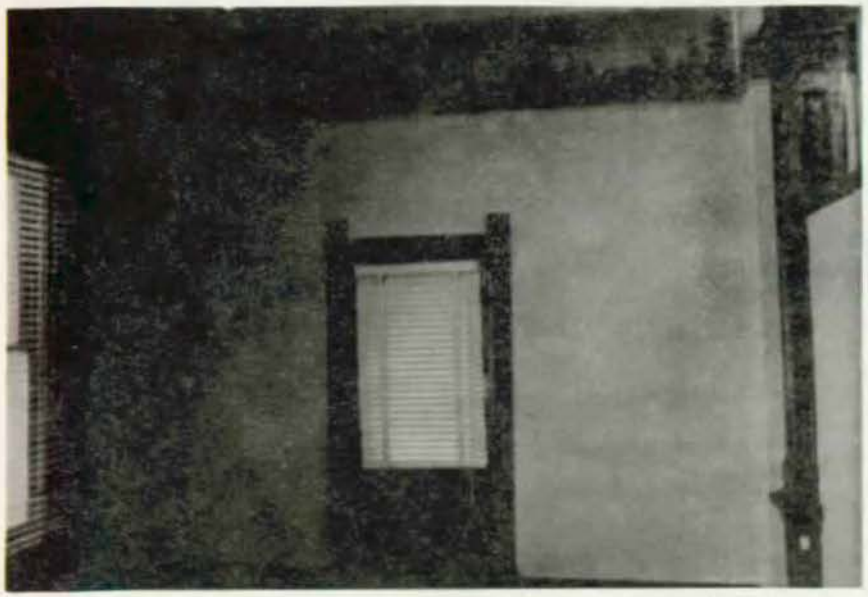
ROOM 105 - DINING ROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Front Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to D.R. Addition	Frame	Good	1905	Wood cover for steel framing	Same		x					
	Varnish	Fair	1905	Dark, chipped	Same			x				
Doorway to Pantry	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Missing	1899,1920	Double-swinging ca. 1920	Same	Single-swinging in 1899			x			Single-swinging door
	Varnish	Fair	1899	Dark, chipped	Same			x				
Basetcard	Wood	Good	1899	Molded wood	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Lights (2)	Metal, glass	Good	Inst.	Fluorescent	Electrolier	As in historic photograph			x	x		Replica
Fire Exting.	Metal	Good	Inst.	Four nozzles	None				x	x		New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None				x			
Electric	Outlets	Good	Inst.		None				x			

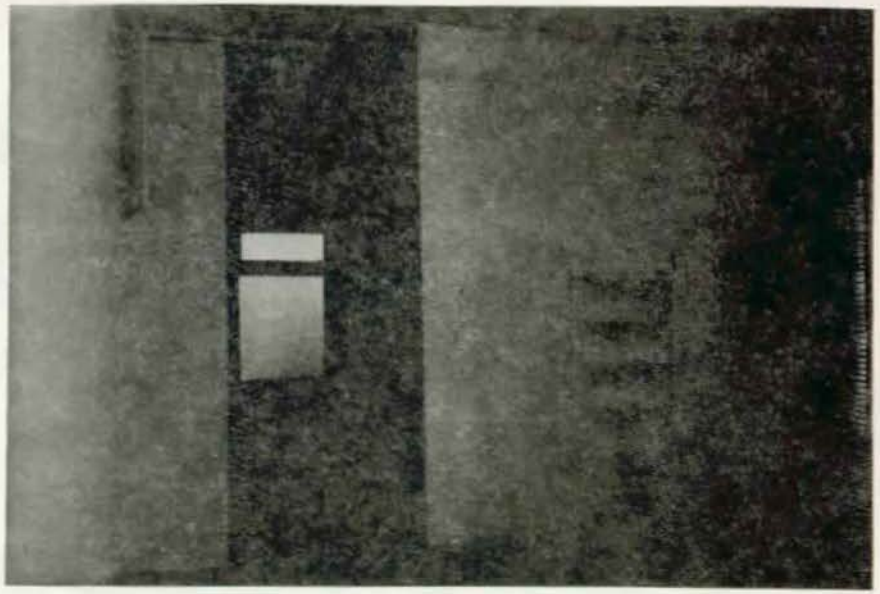


Room 105 – Dining Room – West Wall

Room 105 – Dining Room – East Wall



Room 106 – Dining Room Addition – South Wall



Room 107 – Guest Room – Looking East

ROOM 106 - DINING ROOM ADDITION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
N., E., and S. Walls	Sawn wood lath	Good	1905		Same		x					
	Plaster	Fair	1905	Minor cracking	Same			x				
	Frieze mural	Fair	1905	Needs conservation	Same			x				By art conservator
	Yellow paint	Good	Inst.	Munsell 7.5Y 7/4	Dark red paint	Munsell 2.5R 2/8					x	Repaint
West Wall	Gypsum board	Good	Inst.		None					x		
	Yellow paint	Good	Inst.	Munsell 7.5Y 7/4	None					x		
Picture Molding	Wood	Good	1905	Lowered with painting of mural	Same		x					
	Nailing strip	Good	1905	Paint peeling, center of mural	Same		x					
	Silver paint	Fair	Inst.	Cracking and peeling	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1905		Same		x					
	Plaster	Fair	1905	Minor cracking	Same			x				
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1905	Laid diagonally	Same		x					
	Top flooring	Fair	1905	Diagonal inside border on N, E, & S sides; refinished	Same			x				Repair gouges
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
	Telephone hole	Good	Inst.	Missing cover	None					x		
Doorway to Dining Room	Frame	Good	Inst.	Plain wood	None					x		
	Varnish	Good	Inst.	Dark	None					x		
Doorway to Porch	Frame	Good	1905	Molded wood	Same		x					
	Transom	Good	1905	Single pane, cylinder glass	Same		x					
	Door	Fair	1905	With single, fixed pane	Same			x				Reopen
	Varnish	Fair	1905	Dark, chipped	Same			x				
	Venetian blinds	Good	Inst.		None					x		
East Windows (set of 3)	Frame	Good	1905	Molded wood	Same		x					
	1/1 d.h. sash	Good	1905	Upper pane, center window crack	Same		x					
	Shutters (12)	Missing	1905	Hinge sections filled	Same				x			
	Varnish	Fair	1905	Dark, chipped	Same			x				
	Venetian blinds	Good	Inst.		None					x		

ROOM 106 - DINING ROOM ADDITION (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
North Window	Frame	Good	1905	Molded wood	Same		x	x				
	1/1 d.h. sash	Good	1905	Cylinder glass, molded sash	Same							
	Shutters (4)	Missing	1905	Hinge sections filled	Same				x			
	Varnish	Fair	1905	Dark, chipped	Same			x				
	Venetian blinds	Missing	Inst.		None					x		
Baseboard	Wood	Good	1905	Molded wood	Same							
	Varnish	Fair	1905	Dark, chipped	Same			x	x			
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier					x	x	Replica
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	White paint	Good	Inst.	Munsell 7.5Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None					x		

161

ROOM 107 - GUEST ROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	White paint	Good	Inst.	Munsell N 9.0/, walls	Cream paint	Munsell 10YR 7/4					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Tan paint	Munsell 7.5YR 6/2					x	Repaint
Picture Molding	Wood	Good	1899		Same		x					
	White paint	Good	Inst.	Munsell N 9.0/	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899	Entry section only	Same		x					
	Plaster	Good	1899		Same			x				
	Plywood	Good	Inst.	Main section of room	Sawn wood lath					x	x	New lath
	Battens	Good	Inst.	Main section of room	Plaster					x	x	New plaster
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Tan paint	Munsell 7.5YR 6/2					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1910	Diagonal, no border; refinished, ground, and gouged	Same			x				Repair gouges
	Varnish	Fair	Inst.	Light color	Dark varnish						x	Refinish, revarnish
	Telephone hole	Good	Inst.	Missing cover	None						x	
Fireplace	Wood mantel	Good	1899	Three water lily decals	Same	No decals	x				x	Remove decals
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Narrow tiles	Good	1899		Same		x					
	Wide tiles	Good	Inst.		None			x				Restore original hearth
	Coal grate	Missing	1899		Same				x			
	Grate cover	Good	Inst.	Sheet metal	Cast iron	Painted black					x	Replica
Doorway to Rear Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				

162

ROOM 107 - GUEST ROOM (cont.)

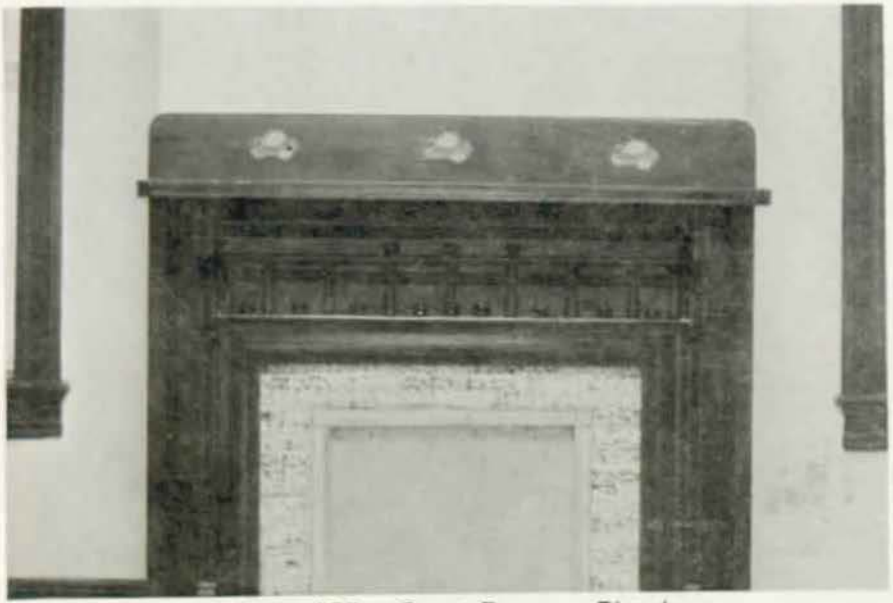
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		REPRESENTATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Bathroom	Frame	Fair	1899		Same							
	Door	Poor	1899	Covered and blocked shut	Same			x				
	Bookshelves	Fair	Inst.		None					x		
	White paint	Fair	Inst.	Munsell N 9.0/	Dark varnish					x	x	Strip, revarnish
Doorway to Closet	Metal lath	Good	Inst.		Frame	Molded wood				x	x	New frame
	Plaster	Good	Inst.		Transom	Single pane, cylinder glass				x	x	New transom
	White paint	Good	Inst.	Munsell N 9.0/	Door	Typical, four-panel				x	x	New door
					Dark varnish	On wood					x	New varnish
East Window, South Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Upper west pane cracked	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same					x		
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
West Window, South Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Lower east pane cracked	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same					x		
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
Window, West Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Upper south pane cracked	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same					x		
	Varnish	Fair	1899	Dark, chipped	Same			x				
	Venetian blinds	Fair	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		

163

ROOM 107 - GUEST ROOM (cont. - 2)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier					x	x	Replica
Fire exting.	Metal	Good	Inst.	Five nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		
Electric	Outlets	Good	Inst.		None					x		

Room 107 – Guest Room – Looking West



Room 107 – Guest Room – Fireplace

Room 109 – Rear Hall – Looking North

ROOM 103 - GUEST ROOM CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899	South and west walls only	Same	All walls	x				x	New on E. and N. walls
	Plaster	Good	1899	South and west walls only	Same	All walls	x				x	New on E. and N. walls
	Green paint	Good	Inst.	Munsell 5GY 9/2	Tan paint	Munsell 10YR 7/6					x	Paint all walls
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same		x					
	White paint	Good	Inst.	Munsell 7.5Y 9/2	Tan paint	Munsell 2.5Y 7/3					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1910	Diagonal in border, refinished ground, gouged	Same			x				Repair gouges
	Varnish	Fair	Inst.		Dark varnish					x	x	Refinish, revarnish
Doorway to Guest Room	Metal lath	Good	Inst.		Frame	Molded wood				x	x	New frame
	Plaster	Good	Inst.		Transom	Single pane, cylinder glass				x	x	New transom
	Green paint	Good	Inst.	Munsell 5GY 9/2	Door	Typical, four-panel				x	x	New door
					Dark varnish	On wood					x	New varnish
Doorway to Rear Hall	Frame	Good	Inst.	Plain wood, panelled N. post	Sawn wood lath					x	x	New lath for wall
	Varnish	Good	Inst.	Dark	Plaster	Painted, tan, Munsell 10YR 7/6				x	x	New plaster and paint
Doorway to Front Hall	Frame	Good	Inst.	Plain wood, panelled E. post	Sawn wood lath					x	x	New lath for wall
	Varnish	Good	Inst.	Dark	Plaster	Painted tan, Munsell 10YR 7/6				x	x	New plaster and paint
Counter	Wood	Good	Inst.	Plain wood with drawers	None					x		
	Varnish	Good	Inst.	Dark	None					x		
Clock	Metal, glass	Good	Inst.		None					x		
Baseboard	Wood	Good	Inst.	Plain	High baseboard	Molded wood	x					
Light	Metal, glass	Good	Inst.	Flourescent	Incandescent	Simple fixture				x	x	Replica

166

Room 109 – Rear Hall – Looking South

Room 109 – Rear Hall – Stairway

ROOM 105 - GUEST ROOM CLOSET (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Fire exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	White paint	Good	Inst.	Munsell 7.5Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None		x					For maintenance purposes

167

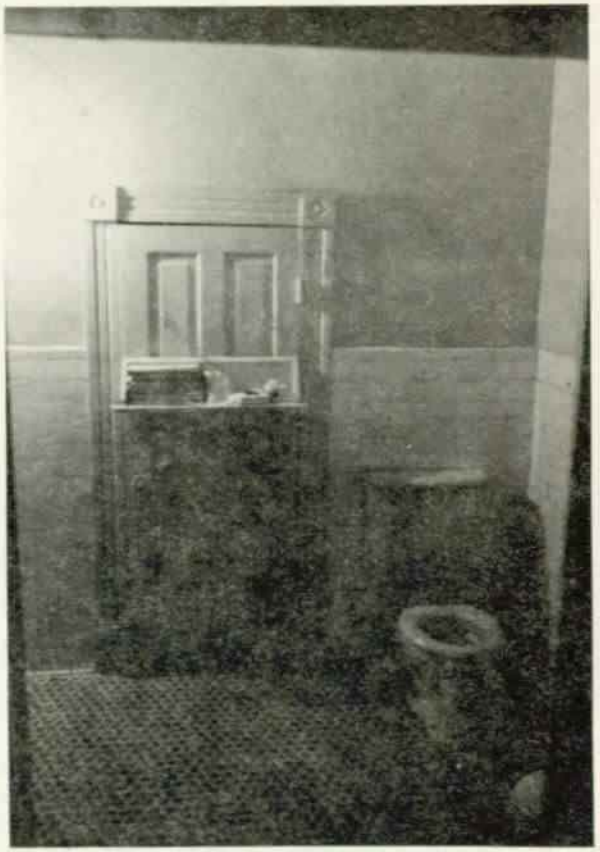
ROOM 109 - REAR HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x				x	New, N. end, W. wall
	Plaster	Fair	1899	Minor cracking	Same		x				x	New, N. end, W. wall
	Green paint	Good	Inst.	Munsell 2.5GY 8/2, walls	Dark red paint	Munsell 2.5R 2/8					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 2.5Y 7/4					x	Repaint
	Wainscoting	Fair	1899		Same		x				x	New, N. end, W. wall
	Varnish	Fair	1899	Dark, chipped	Same			x			x	New, N. end, W. wall
Picture Molding	Wood	Good	1899		Same		x				x	New, N. end, W. wall
	Green paint	Good	Inst.	Munsell 2.5GY 8/2	Gilding			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 7/4					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Poor	1910	Diagonal in border, 1 board missing, refinished, ground	Same			x				Repair gouges
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Stair	Wood walls	Good	1899	Narrow, vert., beaded boards	Same		x					
	Wood ceiling	Good	1899	Narrow, beaded boards	Same		x					
	Baseboard	Good	1899	Molded wood, along steps	Same		x					
	Treads (21)	Fair	1899	Refinished by Inst., 2 winders	Same	Dark varnish finish		x				Refinish
	Risers (23)	Good	1899		Same		x					
	Landing	Fair	1899	Refinished by Institute	Same	Dark varnish finish		x				Refinish
	Door frame	Good	1899	Molded wood, tall, to ceiling	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to Front Hall	Frame	Good	1899	Round arch, panelling	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Guest Room Closet	Frame	Good	Inst.	Plain wood, panelled N. post	Sawn wood lath					x	x	New lath
	Varnish	Good	Inst.	Dark	Plaster	Painted dark red				x	x	New plaster and paint

ROOM 109 - REAR HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Guest Room	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Bath	Frame	Fair	1899	Molded wood	Same			x				
	Door	Fair	1899		Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Fair	1899	Single pane, fiberglas	Same	Single pane, cylinder glass		x				Replace glass
	Varnish	Fair	1899	Dark, chipped	Same			x				
Baseboard	Wood	Fair	1899		Same		x				x	New, N. end, W. wall
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
	Supply pipes	Good	1920	Two pipes	None					x		
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier					x	x	Replica
Fire exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		

Room 110 – Bath – Northeast Corner



Room 110 – Bath – West Wall

ROOM 110 - BATH

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Gray paint	Good	Inst.	Munsell N 8.5/	Off-white paint	Munsell 5Y 9/1					x	Repaint
	Tilework	Poor	1899	Broken and missing tiles	Same			x				
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Gray paint	Good	Inst.	Munsell N 8.5/	Off-white paint	Munsell 5Y 9/1					x	Repaint
Floor	Subflooring	Fair	1899	Laid diagonally	Same		x					
	Tilework	Poor	1899	Poorly patched by Institute	Same			x				
Doorway to Rear Hall	Frame	Fair	1899	Molded wood	Same			x				
	Door	Fair	1899		Same			x				
	Gray paint	Fair	Inst.	Munsell N 8.5/	Off-white paint	Munsell 5Y 9/1					x	Repaint
Doorway to Guest Room	Frame	Fair	1899	Molded wood	Same			x				
	Door	Poor	1899	Blocked shut	Same			x				
	Gray paint	Fair	Inst.	Munsell N 8.5/	Off-white paint	Munsell 5Y 9/1					x	Repaint
Window	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Gray paint	Fair	Inst.	On frame, sash, and two panes	Off-white paint	Munsell 5Y 9/1				x	x	Repaint, except glass
Bathtub	Cast iron	Missing	1899	Pipe stubs left in floor	Same				x			
Sink	Cast iron	Poor	1899	Enamel worn, rusting	Same			x				If possible
Toilet	Ceramic	Fair	1899		Same			x				If possible
Mirror	Glass, wood	Fair	1899		Same			x				
Towel dispenser	Metal	Fair	Inst.		None						x	

ROOM 110 - BATH (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
	Supply pipes	Good	1920	Two pipes	None					x		
Light	Metal, glass	Fair	1910	Incandescent wall fixture	Same			x				
Fire exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Gray paint	Good	Inst.	Munsell N 8.5/	None					x		

173

ROOM 111 - PANTRY

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Yellow paint	Good	Inst.	Munsell 7.5Y 9/3, walls	Off-white paint	Munsell 5Y 9/2				x	x	Repaint, strip wainscoting
	Off-white paint	Good	Inst.	Munsell 5Y 9/1, frieze	Off-white paint	Munsell 5Y 9/2					x	Repaint
	Wainscoting	Good	1899		Same		x					
	Varnish	Fair	1899	Inside cabinet; dark, chipped	Same			x		x	x	Strip paint, revarnish
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	Off-white paint	Munsell 5Y 9/2					x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1899	Laid E-W, no border, refinished, ground, gouged	Same			x				
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Cabinet	Wood, glass	Fair	1899	Glass missing	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Dining Room	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Missing	1899,1920	Double-swinging ca. 1920	Same	Single-swinging in 1899			x			Typical four-panel door
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
Doorway to Breakfast Room	Archway	Good	1899	Round, plaster arch	Same	No frame, no door	x					
	Wainscoting	Good	1899	On jambs	Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish	On wainscoting				x	x	Strip, revarnish
Window	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Fair	Inst.		None					x		

174

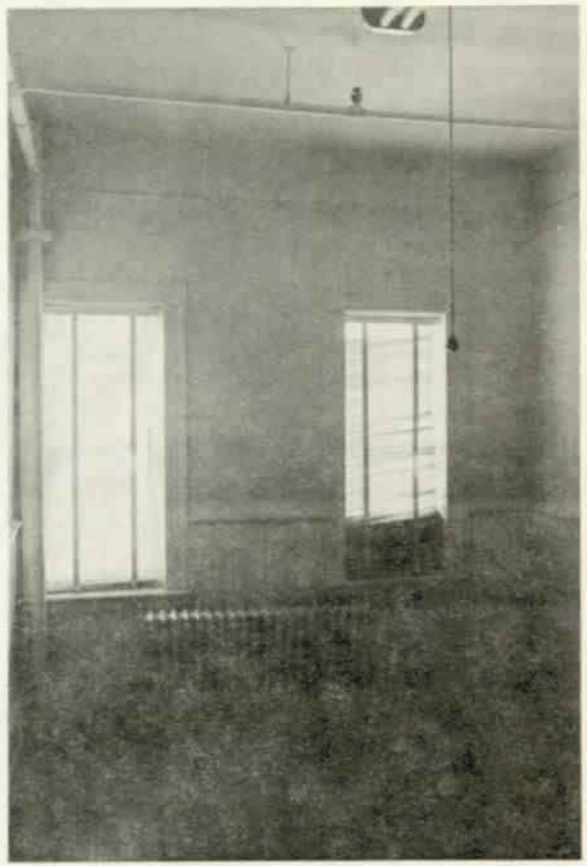
ROOM 111 - PANTRY (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
Light	Metal	Poor	1910	Missing fixture and bulb	Same			x				
Fire exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	None					x		
Supply pipes	Metal	Good	1910	To bath above	Same		x					

175

Room 111 – Pantry – China Cabinet

Room 111 – Pantry – South Wall



Room 112 – Breakfast Room – East Wall

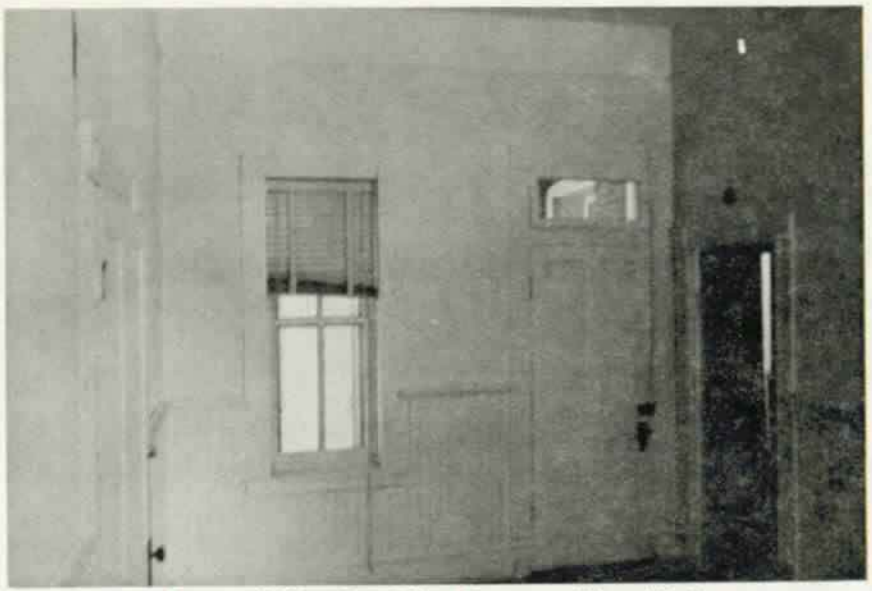
ROOM 112 - BREAKFAST ROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Yellow paint	Good	Inst.	Munsell 10Y 9/2, walls	Cream paint	Munsell 2.5Y 8.5/4, plaster					x	Repaint plaster
	Off-white paint	Good	Inst.	Munsell 10Y 9/2, frieze	Off-white paint	Munsell 10Y 9/2	x					
	Wainscoting	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
Picture Molding	Wood	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 10Y 9/2	Off-white paint	Munsell 10Y 9/2	x					
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1899	Laid E-W, no border, refinished, ground, stained	Same			x				Repair gouges and stains
	Varnish	Fair	Inst.	Light color	Brown paint	Munsell 2.5YR 3/2					x	Repaint
	Telephone hole	Good	Inst.	Center of floor, missing cover	None					x		
Doorway to Pantry	Archway	Good	1899	Round, plaster arch	Same	No frame, no door	x					
	Wainscoting	Good	1899	On jambs	Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish	On wainscoting				x	x	Strip, revarnish
Doorway to Stair	Frame	Good	1899	Molded wood	Same	Panelled jambs and lintel	x					
	Door	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish

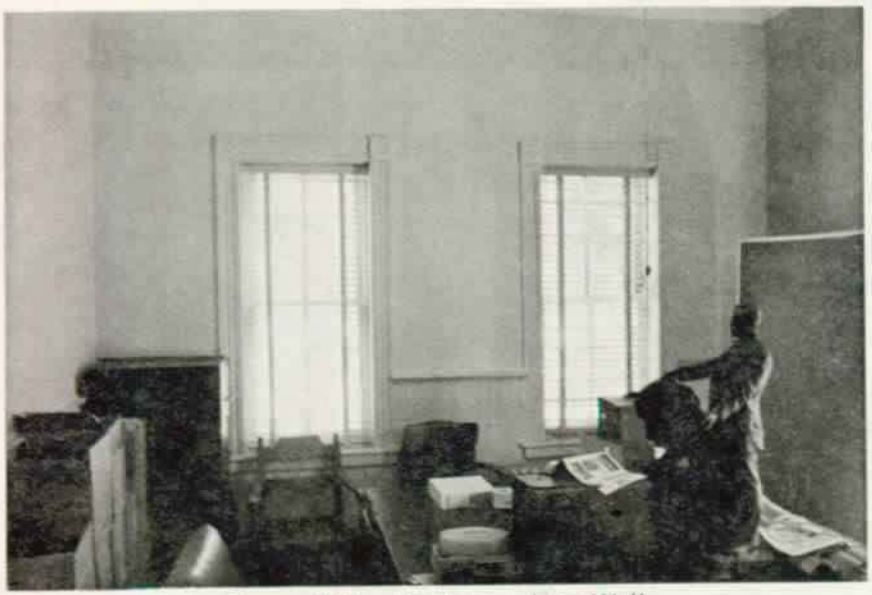
177

ROOM 112 - BREAKFAST ROOM (cont.)

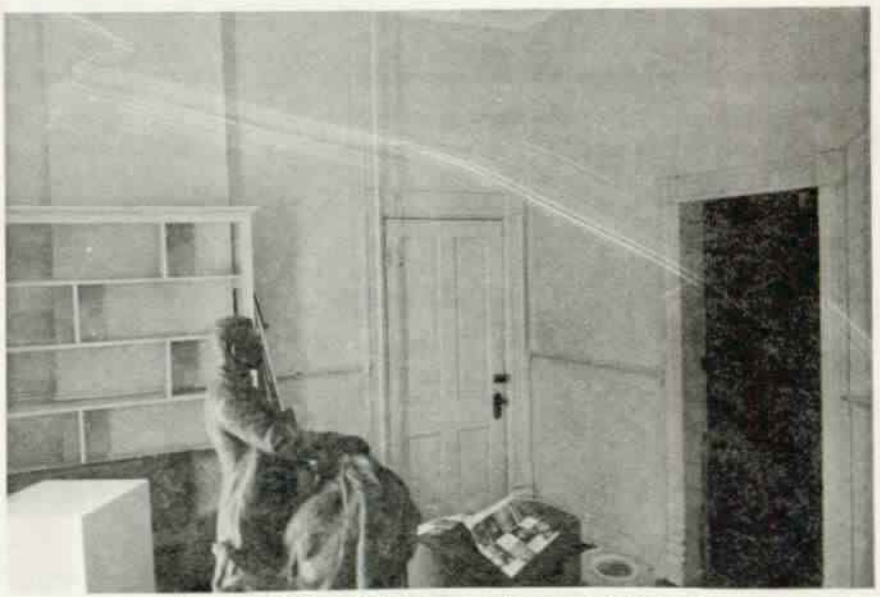
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Kitchen	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
North Window	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
South Window	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Lower north pane cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same			x				
	Yellow paint	Good	Inst.	Munsell 10Y 9/2	Dark varnish					x	x	Strip, revarnish
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier					x	x	Replica
	Switch	Fair	1920	Hinging on twisted cord	Other switch					x		
Fire exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 10Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None					x		



Room 112 – Breakfast Room – West Wall



Room 113 – Kitchen – East Wall



Room 113 – Kitchen – Northwest Corner

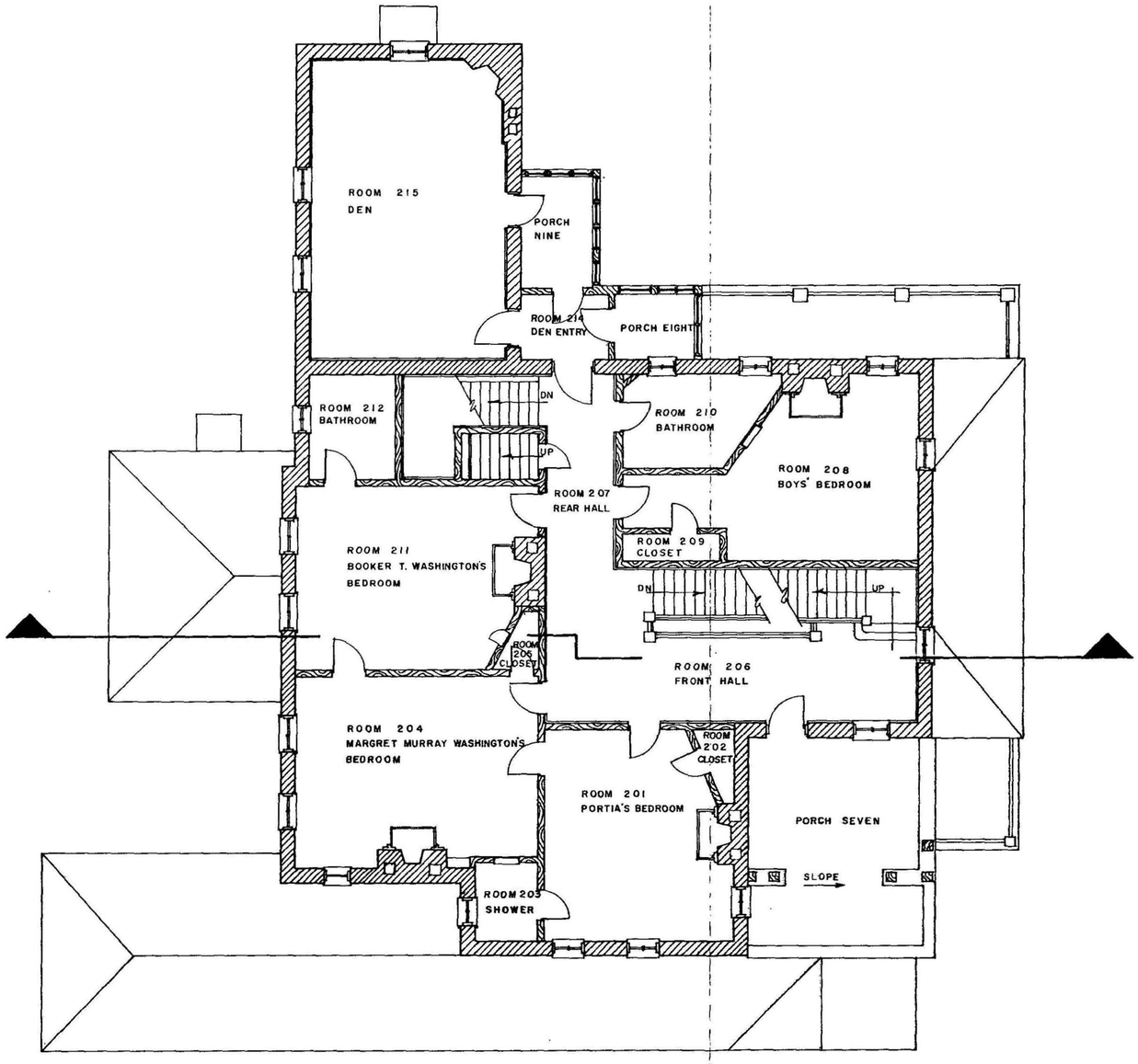
ROOM 113 - KITCHEN

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Wainscoting	Good	1899		Same		x					
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Cream paint	Munsell 2.5Y 8/2, plaster					x	Repaint
					Dark varnish	On wainscoting				x	x	Strip, revarnish
Chimney	Brick masonry	Good	1899	Covered as walls	Same		x	x		x	x	Treat with walls
Ceiling	Wood	Good	1899	Narrow, beaded boards, N-S	Same		x					
	Cornice	Good	1899	Molded wood	Same		x					
	White paint	Fair	Inst.	Munsell 10Y 9/2, peeling	Off-white paint	Munsell 2.5Y 8/3'				x	x	Repaint
Floor	Subflooring	Good	1899	Laid diagonally	Same		x					
	Top flooring	Fair	1899	Laid E-W, no border, refinished, ground, gouged	Same			x				Repair gouges
	Varnish	Good	Inst.	Light color	Brown paint	Munsell 2.5YR 3/2				x	x	Repaint
	Telephone hole	Good	Inst.	Missing cover	None					x		
Doorway to Breakfast Room	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
North Window, East Wall	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		

ROOM 113 - KITCHEN (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
South Window, East Wall	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Lower north pane cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
Window, South Wall	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Orange paint	Good	Inst.	Munsell 7.5R 8/5	Dark varnish					x	x	Strip, revarnish
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Supply pipes	Metal	Good	1920	Two to radiator above	None					x		
Wood shelves	Plain wood	Good	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Flourescent	Electrolier	Fairly simple				x	x	Replica
Fire exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 10Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None					x		

D. SECOND FLOOR



SECOND FLOOR PLAN

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

N

459
27,001

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 5 OF 11 SHEETS

SURVEY NO.

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

THE OAKS

DRAWN BY: R. CARTER REVISED BY: J.L. SIROKY CHECKED BY: D.L. ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HERITAGE CONSERVATION AND RECREATION SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

ON REDUCIBLES

ROOM 201 - PORTIA'S BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking and crumbling	Same			x				
	Green paint	Good	Inst.	Munsell 2.5G 8/3, walls	Tan paint	Munsell 5YR 6/4					x	Repaint
	Off-white paint	Good	Inst.	Munsell 5Y 8.5/2, frieze	Cream paint	Munsell 10YR 7/4					x	Repaint
Picture Molding	Wood	Good	1899		Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 5Y 8.5/2	Cream paint	Munsell 10YR 7/4					x	Repaint
Floor	Old flooring	Fair	1899	Exposed in N.E. corner	Same		x	x				Recover with top flooring
	Old varnish	Fair	1899	Dark color	Same		x					
	Top flooring	Poor	1910	Diagonal in border; refinished ground, gouged, border broke	Same			x				
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Fireplace	Wood mantel	Good	1899	Molded wood	Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
	Tilework	Good	1899		Same		x					
	Coal grate	Good	1899		Same		x					
	Grate cover	Good	1899	Classical Revival design	Same		x					
Doorway to Shower	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899		Same			x				
	Pegboard panel	Good	Inst.	Nailed over door	None					x		
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to MW's Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish

ROOM 201 - PORTIA'S BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Front Hall	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to Closet	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899	Swing reversed by Institute	Same			x				Rehang
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
Window, West Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
West Window, North Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded wood	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
East Window, North Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
	Venetain blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
Cornerboard	Wood	Good	1899	North corner of fireplace	Same		x					
	Green paint	Good	Inst.	Munsell 2.5G 8/3	Dark varnish					x	x	Strip, revarnish
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		

ROOM 201 - PORTIA'S BEDROOM (cont. - 2)

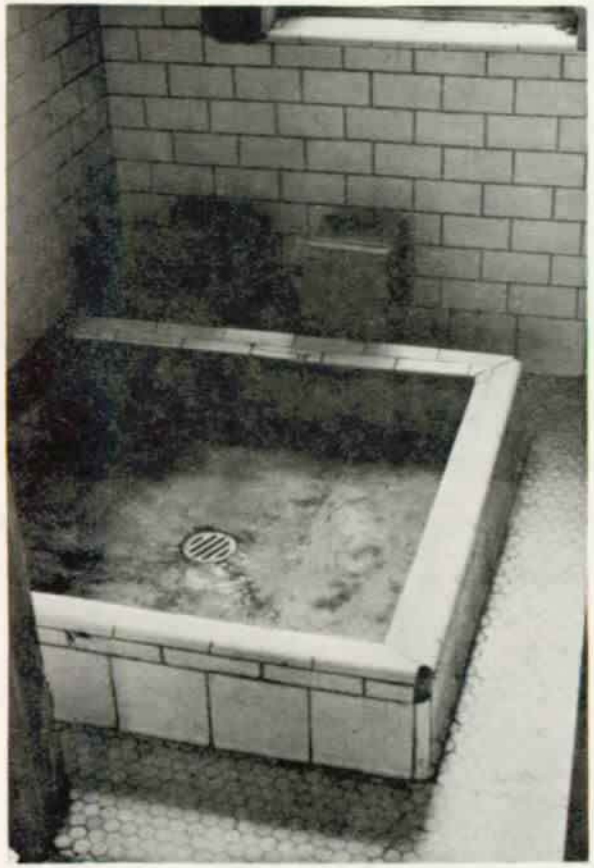
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Supply pipes	Metal	Good	1920	Two to radiator above	None					x		
	Silver paint	Good	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Fluorescent	Electrolier	Fairly simple				x	x	Replica
Fire exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 5Y 8.5/2	None					x		
Electric	Outlets	Good	Inst.		None					x		
	Buzzer	Fair	Inst.		None					x		

Room 201 — Portia's Bedroom — West Wall

Room 203 — Shower — East Wall

ROOM 202 - PORTIA'S BEDROOM CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking, falling	Same			x				
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking, falling	Same			x				
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None		x					
Floor	Old flooring	Fair	1899	Wide boards	Same		x					
	Brown paint	Fair	1910	Munsell 2.5YR 3/2	Same		x					
Doorway	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Swing reversed by Institute	Same			x				Rehang
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None		x					
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None		x					
Shelves (3)	Plain wood	Good	Inst.		None					x		
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None					x		
Hookboards	Plain wood	Good	1899		Same		x					
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Gray paint	Good	Inst.	Munsell 5Y 8/1	None					x		



Room 203 – Shower – Shower Base

Room 203 – Shower – Toilet

Room 203 – Shower – Sink

ROOM 203 - SHOWER

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracked	Same			x				
	Gray paint	Good	Inst.	Munsell N 8.0/	Tan paint	Munsell 10YR 6/4					x	Repaint
	Tilework	Good	Inst.	Lower walls, large, white	None		x					
Picture Molding	Nailing strip	Good	1899	Picture molding removed	Same		x					
	Gray paint	Good	Inst.	Munsell N 8.0/	Tan paint	Munsell 10YR 6/4					x	Repaint
Floor	Tilework	Fair	1920		Wood		x					
Doorway to Portia's Bedroom	Frame	Fair	1899	Molded wood	Same			x				
	Door	Fair	1899	Swing reversed by Institute	Same			x				Rehang
	Gray paint	Good	Inst.	Munsell N 8.0/	Dark varnish					x	x	Strip, revarnish
Doorway to MMW's Bedroom	Frame	Fair	1899	Molded wood	Same			x				
	Plywood panel	Good	Inst.	Over original door	None					x		Restore door
	Gray paint	Good	Inst.	Munsell N 8.0/	Dark varnish					x	x	Strip, revarnish
Window	Frame	Fair	1899	Molded wood	Same			x				
	2/2 d.h. sash	Poor	1899	Upper north pane broken	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Gray paint	Good	Inst.	Munsell N 8.0/	Dark varnish					x	x	Strip, revarnish
Shower	Metal, tile	Fair	Inst.		None		x					
Toilet	Ceramic	Good	Inst.		None		x					
Sink	Ceramic	Good	Inst.		None		x					
Towel dispenser	Metal	Good	Inst.		None		x					
Light	Metal	Fair	1910	Incandescent, missing shade	Same			x				
Fire Exting.	Metal	Good	Inst.	One nozzle	None						x	New fire system
	Gray paint	Good	Inst.	Munsell N 8.0/	None						x	

ROOM 204 - MARGARET MURRAY WASHINGTON'S BEDROOM

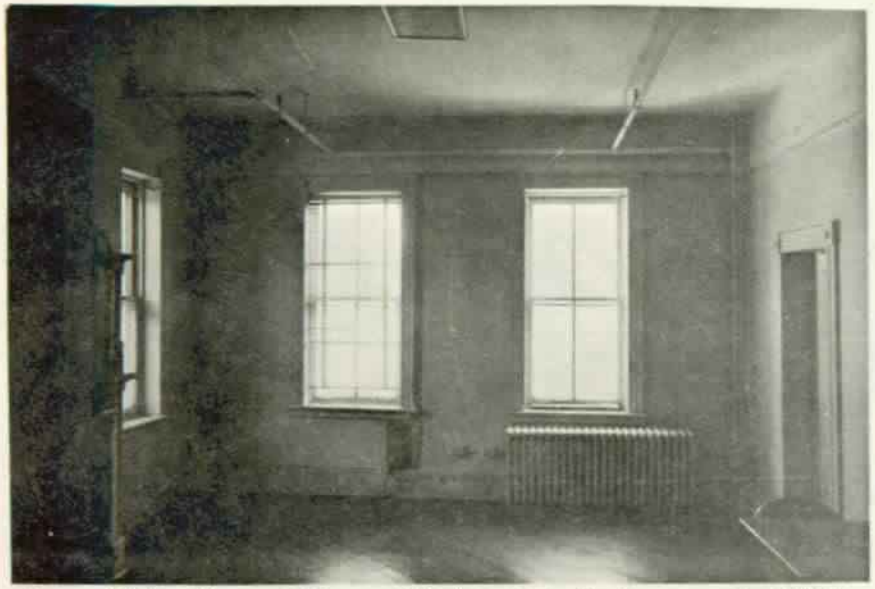
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same			x				
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3, walls	Blue paint	Munsell 10BG 6/3					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 2.5Y 8/5					x	Repaint
Picture Molding	Wood	Good	1899	Lowered ca. 1910	Same		x					
	Nailing strip	Good	1899	In center of frieze	Same		x					
	Aqua paint	Good	Inst.		Gilded			x			x	Regild, rebuild base
Ceiling	Gypsum board	Good	Inst.		Plaster	With sawn wood lath				x	x	New plaster and lath
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 8/5					x	Paint
Floor	Top flooring	Fair	1910	Diagonal in border, refinished ground, and gouged	Same			x				Repair gouges
	Varnish	Fair	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Fireplace	Wood mantel	Good	1899	Moved ca. 1920 from Parlor	Wood mantel	Now stored in trunk room				x	x	Replace original mantel
	Varnish	Fair	1899	Dark, chipped	Dark varnish			x		x	x	Strip, revarnish original
	Mirror	Fair	1899	Beveled glass, clouded slightly	Same		x					
	Brown tilework	Fair	1899	Some tiles missing	Same			x				Replace tiles
	Gray tilework	Good	1920	Added with mantel change	None					x		
	Coal grate	Good	1899	Cast iron	Same		x					
	Grate cover	Missing	1899	Classical Revival style	Same				x			
Doorway to Portia's Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to Shower	Frame	Good	1899	Molded wood	Same		x					
	Plywood panel	Good	Inst.	Over original door	None					x		Restore door
	Aqua paint	Good	Inst.	Munsell 2.5B 8/3	Dark varnish					x	x	Strip, varnish door
Doorway to BTW's Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish

ROOM 204 - MARGARET MURRAY WASHINGTON'S BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Front Hall	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to Closet	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Swing reversed by Institute	Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
Fireplace Doorway	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899		Same			x				
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
Window, North Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
North Window, East Wall	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Lower north pane cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, repaint
	Venetian blinds	Good	Inst.		None					x		
South Window, East Wall	Frame	Good	Inst.	Molded wood	Same		x					
	2/2 d.h. sash	Poor	1899	Lower north pane cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Missing	Inst.		None			x				Repair frame
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish

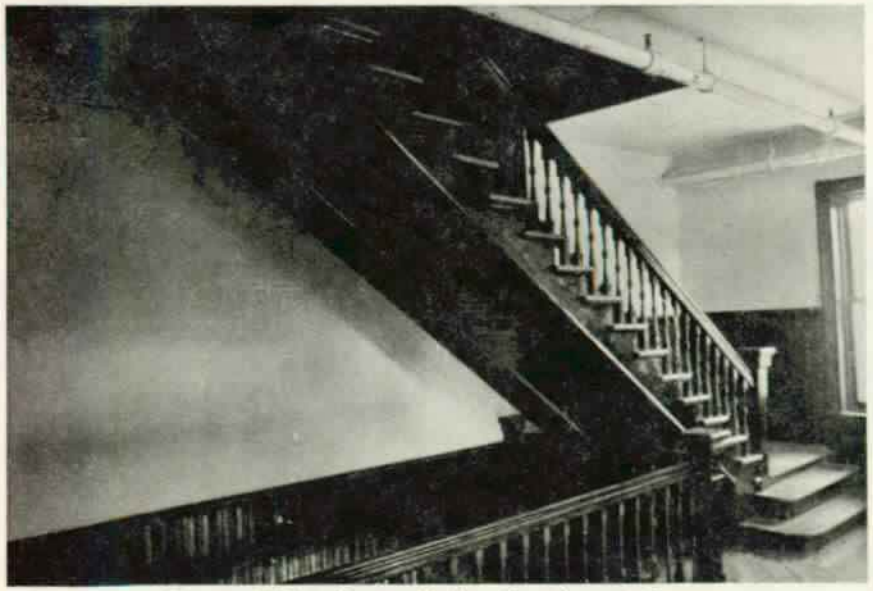
ROOM 204 - MARGARET MURRAY WASHINGTON'S BEDROOM (cont. - 2)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Cornerboards	Wood	Good	1899	At fireplace corners	Same		x					
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	Dark varnish					x	x	Strip, revarnish
Radiator	Cast iron	Good	1920		None					x		
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	None					x		
Supply pipes	Metal	Good	1920	Two to radiator above	None					x		
	Paint	Good	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Fluorescent	Electrolier	Farily plain				x	x	Replica
Bookcase	Plain wood	Good	Inst.		None					x		
	Aqua paint	Good	Inst.	Munsell 2.5BG 8/3	None					x		
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None					x		
	Buzzer	Fair	Inst.		None					x		

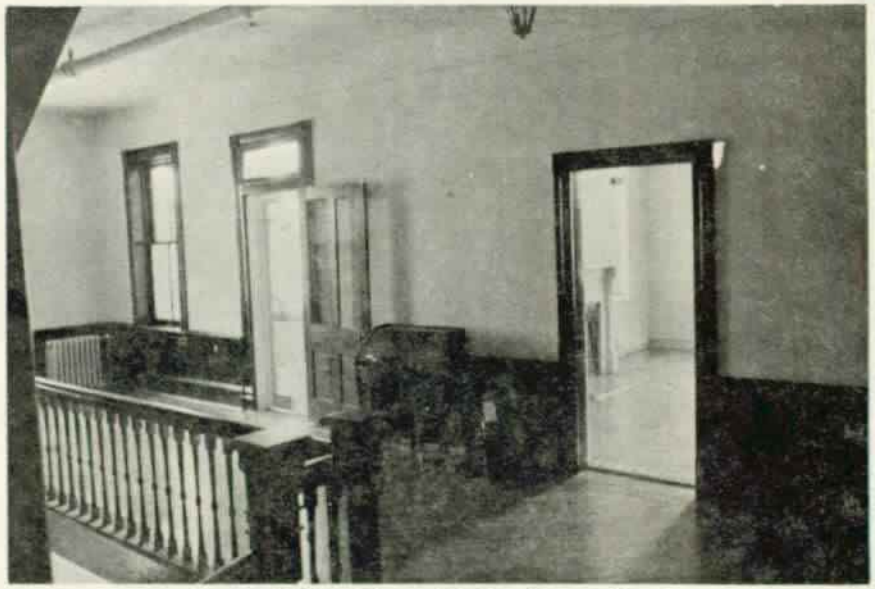


Room 204 – Margaret Murray Washington's Bedroom – East Wall

Room 204 – Margaret Murray Washington's Bedroom – North Wall



Room 206 – Front Hall – Southwest Corner



Room 206 – Front Hall – North Wall

ROOM 205 - MARGARET MURRAY WASHINGTON'S BEDROOM CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x	x				
	Gray paint	Good	Inst.	Munsell N 8.0/	None		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x	x				
	Gray paint	Good	Inst.	Munsell N 8.0/	None		x					
Floor	Old flooring	Fair	1899	Wide boards	Same		x					
	Brown paint	Fair	1910	Center stripped by Institute	Same		x					
Doorway	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Swing reversed by Institute	Same			x				Rehang
	Gray paint	Good	Inst.	Munsell N 8.0/	Dark varnish					x	x	Strip, revarnish
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Gray paint	Good	Inst.	Munsell N 8.0/	Dark varnish		x					
Shelves (5)	Plain wood	Good	Inst.		None					x		
	Gray paint	Good	Inst.	Munsell N 8.0/	None					x		
Hookboards	Plain wood	Good	1899		Same		x					
	Gray paint	Good	Inst.	Munsell N 8.0/	None		x					
Clothes rod	Wood	Good	Inst.		None					x		
	Gray paint	Good	Inst.	Munsell N 8.0/	None					x		
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Gray paint	Good	Inst.	Munsell N 8.0/	None					x		

ROOM 206 - FRONT HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Green paint	Good	Inst.	Munsell 5GY 8/2, walls	Dark red paint	Munsell 2.5R 2/8					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 2.5Y 8/4					x	Repaint
	Wainscoting	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Picture Molding	Wood	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Fair	Inst.	Munsell 7.5Y 9/2, peeling	Cream paint	Munsell 2.5Y 8/4					x	Repaint
Floor	Old flooring	Good	1899	In strip at stairwell	Same		x					
	Old varnish	Good	1899		Same		x					
	Top flooring	Fair	1910	Diagonal in border, refinished, ground, gouged	Same			x				Repair gouges
	Varnish	Good	Inst.	Light color	Cark varnish					x	x	Refinish, revarnish
Stairwell Railing	Rail	Fair	1899	Slightly loose	Same			x				
	Balusters (37)	Fair	1899	Slightly loose	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Stair	Stringer	Good	1899		Same		x					
	Wainscoting	Good	1899		Same		x					
	Underside	Good	1899	Narrow, beaded boards	Same		x					
	Treads (18)	Fair	1899	Refinished by Institute	Same			x				Refinish
	Risers (20)	Good	1899		Same		x					
	Landing	Fair	1899	Refinished by Institute	Same			x				Refinish
	Railing	Good	1899		Same		x					
	Balusters (33)	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				

199

ROOM 206 - FRONT HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Porch	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899	Two upper panes, fixed glass	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Portia's Bedroom	Frame	Good	1899	Molded wood	Same							
	Door	Good	1899	"2" on door, by Institute	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x	x			
Doorway to MFW's Bedroom	Frame	Good	1899	Molded wood	Same							
	Door	Good	1899	"3" on door, by Institute	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x	x			
East Window	Frame	Good	1899	Molded wood	Same							
	2/2 d.h. sash	Fair	1899	Lower north pane cracked	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same				x			
North Window	Frame	Good	1899	Molded wood	Same			x				
	2/2 d.h. sash	Good	1899	Cylinder glass, molded sash	Same		x					
	Shutters (4)	Missing	1899	Hinge sections filled	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x	x			
Baseboard	Wood	Good	1899	Molded wood	Same							
	Varnish	Fair	1899	Dark, chipped	Same		x					
Cornerboard	Wood	Good	1899	Intersection of halls	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same		x					
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		
Lights (2)	Metal	Poor	1920	Incandescent, one removed	Electroliers	Fairly plain				x	x	Replicas
Fire Exting.	Metal	Good	Inst.	Six nozzles	None							
	Paint	Good	Inst.	Matching adjacent areas	None					x	x	New fire system

ROOM 207 - REAR HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Green paint	Good	Inst.	Munsell 5GY 8/2, walls	Dark red paint	Munsell 2.5R 2/8					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 2.5Y 8/4					x	Repaint
	Wainscoting	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Picture Molding	Wood	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Fair	Inst.	Munsell 7.5Y 9/2, peeling	Cream paint	Munsell 2.5Y 8/4					x	Repaint
Floor	Top flooring	Fair	1910	Diagonal in border, refinished, ground, and gouged	Same			x				Repair gouges
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Stairwell	Walls	Good	1899	Similar to hall walls	Same	No picture molding	x	x			x	Treat with walls
	Ceiling	Good	1899	Same as hall ceiling	Same		x	x			x	Treat with ceiling
	Wood ledge	Good	1899	Below wainscoting, varnished	Same		x					
	Light fixture	Good	1920	Metal, incandescent fixture	Wall sconce					x	x	Replica
Doorway to Boys' Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899	"5" on door, by Institute	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Boys' Bathroom	Frame	Poor	1899	Threshold missing	Same			x				
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to Den Entry	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same	Three holes for electric wire	x					
	Door	Good	1899	Upper west pane replaced	Same	Upper two panels of clear glass	x					
	Varnish	Fair	1899	Dark, chipped	Same			x				

201

ROOM 207 - REAR HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Hall Closet	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899	Won't stay shut	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Doorway to BTW's Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	"4" on door by Institute	Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
Small Doorway	Frame	Good	1899	Molded wood	Same	Located N. end, W. wall	x					
	Door	Fair	1899		Same			x				
	Varnish	Fair	1899	Dark, chipped	Same			x				
South Window	Lath, plaster, paint	Good	1910	Matching surrounding wall	Same	Originally molded frame, 2/2 d.h. sash, shutters, varnish	x					
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Cornerboards(2)	Wood	Good	1899	Flanking stair opening	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same			x				
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Light	Metal	Fair	1920	Incandescent	Electrolier	Fairly plain				x	x	Fairly plain
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	None					x		

202

ROOM 208 - BOYS' BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Blue paint	Good	Inst.	Munsell 10BG 8/3, walls	Tan paint	Munsell 10YR 7/6					x	Repaint
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2, frieze	Cream paint	Munsell 5Y 8.5/4					x	Repaint
Picture Molding	Wood	Good	1899		Same		x					
	Blue paint	Good	Inst.		Gilded			x			x	Regild, rebuild base
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same		x					
	Off-white paint	Good	Inst.		Cream paint	Munsell 5Y 8.5/4.					x	Repaint
Floor	Top flooring	Fair	1910	Diagonal in border, refinished ground and gouged	Same			x				Repair gouges
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Refinish, revarnish
Fireplace	Wood mantel	Good	1899	Molded wood	Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
	Tilework	Fair	1899	Missing on hearth	Same		x		x			Replace hearth tilework
	Coal grate	Missing	1899		Same				x			
	Grate cover	Good	Inst.	Sheet metal cover	Cast iron	Classical Revival style				x	x	Reproduction
Doorway to Rear Hall	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to Bathroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899		Same			x				
	Shelves	Good	Inst.	Plain wood	None					x		
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
Doorway to Closet	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish

ROOM 208 - BOYS' BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
South Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
West Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
Cornerboards(2)	Wood	Good	1899	At entry section corners	Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/3	Dark varnish					x	x	Strip, revarnish
Curtain pipe	Iron	Good	1899		Same		x					
	Rings	Fair	1899	Painted to pipe	Same			x				
	Blue paint	Good	Inst.	Munsell 10BG 8/3	None					x		
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		
Supply pipes	Metal	Good	1920	Two to radiator above	None					x		
	Blue paint	Good	Inst.	Munsell 10BG 8/3	None					x		
Light	Metal, glass	Good	Inst.	Fluorescent	Electrolier	Fairly plain				x	x	Replica
Fire Exting.	Metal	Good	Inst.	Five nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None					x		
	Buzzer	Good	Inst.		None					x		

Room 208 – Boys' Bedroom – Southwest Corner

Room 208 – Boys' Bedroom – Looking East

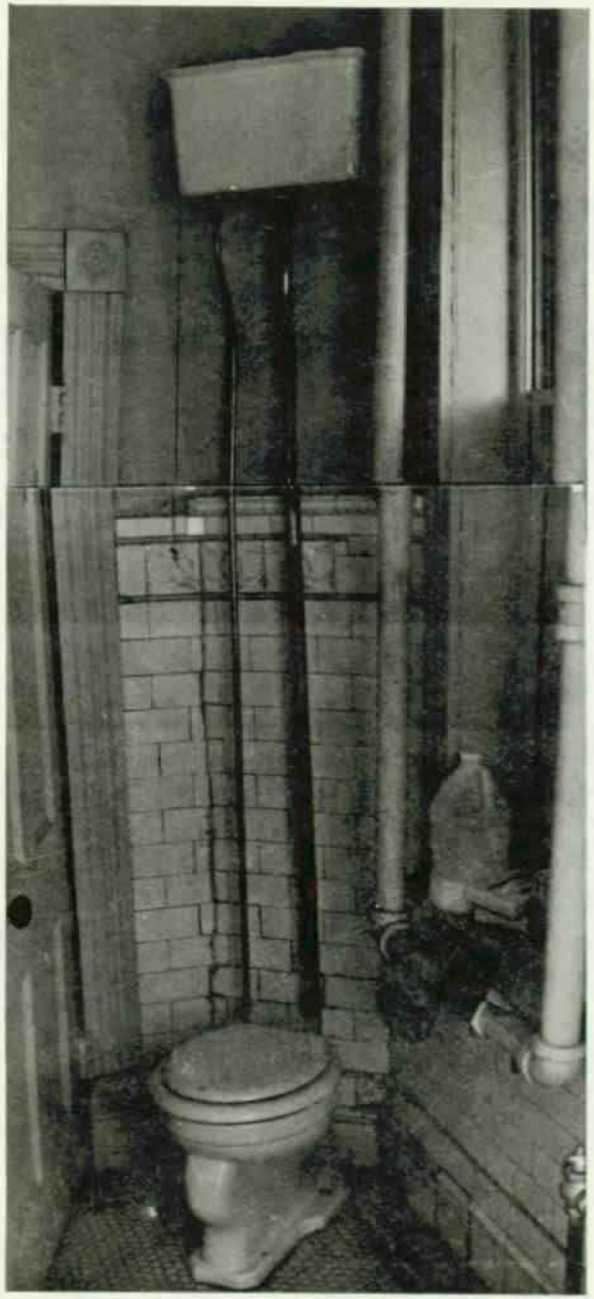
Room 210 – Boys' Bath – West Wall

ROOM 209 - BOYS' BEDROOM CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Serious cracking	Same			x				
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracked and patched	Same				x			
Floor	Old flooring	Fair	1899	Wide boards	Same		x					
	Brown paint	Fair	Inst.		Brown paint		x					
Doorway	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Brown paint	Good	Inst.		Dark varnish		x					
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Brown paint	Good	Inst.		Dark varnish		x					
Shelves	Plain wood	Good	Inst.		None		x					
	Brown paint	Good	Inst.		None		x					
Light	Metal	Fair	1910	Missing shade	Same				x			
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system

ROOM 210 - BOYS' BATHROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Blue paint	Good	Inst.	Munsell 10BG 8/2, walls	Blue paint	Munsell 7.5B 5/4					x	Repaint plaster walls
	Off-white paint	Good	Inst.	Munsell 10Y 9/2, frieze	Off-white paint	Munsell 5Y 9/1					x	Repaint
	Tilework	Fair	1910	Broken and missing tiles	Same			x				
Picture Molding	Wood	Good	1899		Same		x					
	Blue paint	Good	Inst.	Munsell 10Y 9/2	Off-white paint	Munsell 5Y 9/1					x	Repaint
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 10Y 9/2	Off-white paint	Munsell 5Y 9/1					x	Repaint
Floor	Tilework	Fair	1910	Settlement cracking	Same			x				
Doorway to Rear Hall	Frame	Poor	1899	Threshold missing	Same			x				
	Door	Good	1899		Same		x					
	Blue paint	Good	Inst.	Munsell 10BG 8/2	Off-white paint	Munsell 5Y 9/1					x	Repaint
Doorway to Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899	Blocked shut	Same			x				
	Blue paint	Good	Inst.	Munsell 10BG 8/2	Off-white paint	Munsell 5Y 9/1					x	Repaint
East Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Upper west pane cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Blue paint	Good	Inst.	Munsell 10BG 8/2	Off-white paint	Munsell 5Y 9/1				x	x	Repaint, strip lower panes
West Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Lower panes cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Blue paint	Good	Inst.	Munsell 10BG 8/2	Off-white paint	Munsell 5Y 9/1				x	x	Repaint, strip lower panes
Bathtub	Cast iron	Fair	1910		Same		x					



Room 210 – Boys' Bath – Toilet

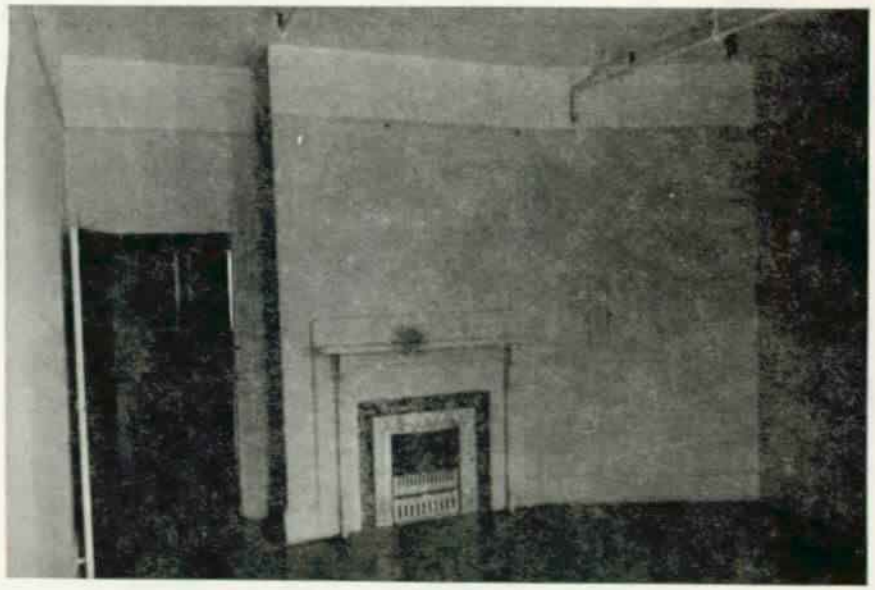
Room 210 – Boys' Bath – Sink

ROOM 210 - BOYS' BATHROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Sink	Cast iron	Fair	1910		Same		x					
Toilet	Ceramic	Fair	1910	With upper tank	Same		x					
Towel Dispenser	Metal	Fair	Inst.		None					x		
Mirror	Glass	Good	1910		Same		x					
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Supply pipes	Metal	Good	1920	Two to radiator above	None					x		
	Blue paint	Good	Inst.	Munsell 1.BG 8/2	None					x		
Light	Metal	Good	Inst.	Incandescent	Plain fixture					x	x	Replica
Fire Exting.	Metal	Good	Inst.	Two nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 10Y 9/2	None					x		

Room 211 – Booker T. Washington's Bedroom – East Wall

Room 211 – Booker T. Washington's Bedroom – West Wall



ROOM 211 - BOOKER T. WASHINGTON'S BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same			x				
	Beige paint	Good	Inst.	Lower walls, Munsell 10YR 9/1	Blue paint	Munsell 5B 4/3					x	Repaint
	Off-white paint	Good	Inst.	Frieze, Munsell 5Y 9/2	Cream paint	Munsell 5Y 7/1					x	Repaint
Picture Molding	Wood	Good	1899	Lowered ca. 1908	Same		x					
	Nailing strip	Good	1899	In center of frieze	Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Gilding						x	Regild
Ceiling	Gypsum board	Good	Inst.		Plaster	Over wood lath				x	x	Replaster, metal lath
	Off-white paint	Good	Inst.	Not sampled	Cream paint	Munsell 5Y 7/1				x	x	Repaint
Floor	Top flooring	Fair	1910	Diagonal inside decorative border; refinished, ground and gouged	Same			x				
	Varnish	Good	Inst.	Light color	Varnish	Dark color					x	Revarnish
Fireplace	Wood mantel	Good	1899	Molded wood	Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Varnish	Dark, glossy				x	x	Strip, revarnish
	Tilework	Good	1899		Same		x					
	Coal grate	Good	1899		Same		x					
	Silver paint	Good	Inst.	Not sampled	Unknown	Probably black paint					x	Repaint
	Grate cover	Missing	1899		Same				x			
Doorway to Mrs.'s Room	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Varnish	Dark, glossy				x	x	Strip, revarnish
Doorway to Rear Hall	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Varnish	Dark, glossy				x	x	Strip, revarnish
	Wood bumper	Good	1899		Same		x					

ROOM 211 - BOOKER T. WASHINGTON'S BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Bathroom	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Dark varnish					x	x	Strip, revarnish
Doorway near Fireplace	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899	Inoperable	Same			x				
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Dark varnish					x	x	Strip, revarnish
North Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
South Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Dark varnish					x	x	Strip, revarnish
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Beige paint	Good	Inst.	Munsell 10YR 9/1	Dark varnish					x	x	Strip, revarnish
Cornerboard	Wood	Missing	1899	At fireplace corner	Same					x		
	Dark varnish	Missing	1899		Same					x		
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Fair	Inst.		None					x		
Light	Electrolier	Missing	1910	Fairly plain	Same					x		
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		
Electric	Outlets	Good	Inst.		None					x		
	Buzzer	Good	Inst.		None					x		

212

ROOM 212 - BOOKER T. WASHINGTON'S BATHROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same			x				
	Blue paint	Good	Inst.	Munsell 5B 8/2	Blue paint	Munsell 10B 5/6					x	Repaint
	Tilework	Good	1900		Same		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same			x				
	Blue paint	Good	Inst.	Munsell 5B 8/2	Blue paint	Munsell 10B 5/6					x	Repaint
Floor	Tile	Good	1900		Same		x					
	Grout	Good	1900		Same		x					
Doorway to BTW's Room	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Towel racks (2)	Good	1900		Same		x					
	Hooks (3)	Poor	1900	Possibly supported shelf	Same			x				
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Off-white paint	Munsell 5Y 9/1	x					
Window	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	North panes cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections tilled	Same				x			
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Off-white paint	Munsell 5Y 9/1	x					
Bathtub	Cast iron	Missing	1900	Pipe stubs in floor	Same		x					
Sink	Cast iron	Good	1900		Same		x					
Toilet	Porcelain	Good	1900		Same		x					
Mirror	Glass, wood	Good	1900		Same		x					
Shelf	Wood	Good	1900		Same		x					

ROOM 212 - BOOKER T. WASHINGTON'S BATHROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		
Light	Fixture	Missing	1900	Wall mounted	Same		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Blue paint	Good	Inst.	Munsell 5B 8/2	None					x		

214

Room 212 – Booker T. Washington's Bath – South Wall

Room 213 – Hall Closet – From Rear Hall

ROOM 213 - HALL CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
N., W., and S. Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x					
	Orange paint	Good	Inst.	Munsell 7.5YR 7.5/4	None		x					
E. Wall	Siding	Good	1905	Flush, horizontal boards	Same		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x					
	Orange paint	Good	Inst.	Munsell 7.5YR 7.5/4	None		x					
Floor (Former Stair)	Risers	Good	1899		Same		x					
	Treads	Good	1899		Same		x					
	Varnish	Good	1899	Dark	Same		x					
Baseboard	Wood	Good	1899	Plain wood	Same		x					
	Varnish	Good	1899		Same		x					
Shelf Unit	Wood	Good	1905	Plain wood, at east end	Same		x					
Doorway to Rear Hall	Frame	Good	1905	Plain wood	Same		x					
	Door	Fair	1905	Won't stay shut	Same			x				
	Varnish	Good	1905		Same		x					
Hookboards	Wood	Good	Inst.		Same		x					
Light	Metal	Fair	1905	Incandescent, shade missing	Same		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system

ROOM 214 - DEN ENTRY

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1910		Same		x					
	Plaster	Good	1910	Very minor cracking	Same			x				
	Green paint	Good	Inst.	Lower walls, Munsell 5GY 8/2	Dark red paint	Munsell 2.5R 2/8					x	Repaint
	Off-white paint	Good	Inst.	Frieze, Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 8/4					x	Repaint
	Wainscoting	Good	1910		Same		x					
	Graining	Good	1910		Same		x					
Picture Molding	Wood	Good	1910		Same		x					
	Green paint	Good	Inst.	Munsell 7.5Y 9/2	Varnish	Dark, glossy				x	x	Revarnish, strip
Ceiling	Sawn wood lath	Good	1910		Same		x					
	Plaster	Good	1910	Very minor cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 7.5Y 9/2	Cream paint	Munsell 2.5Y 8/4					x	Repaint
Floor	Top-flooring	Good	1910	Diagonal inside border	Same		x					
	Varnish	Good	Inst.	Light color	Dark varnish					x	x	Revarnish, strip
Doorway to Rear Hall	Frame	Good	1910	Molded wood, curved head	Same		x					
	Transom	Good	1910	Single pane cylinder glass	Same	Three holes for original electric wiring	x					
	Door	Good	1910	Modern upper west pane	Same	Upper two panels of glass	x					
	Graining	Good	1910		Same		x					
Doorway to Bath Porch	Frame	Good	1910	Molded wood	Same		x					
	Transom	Good	1910	Single pane, cylinder glass	Same		x					
	Door	Good	1910	Upper two panels of glass	Same		x					
	Graining	Good	1910		Same		x					
Doorway to Den Porch	Frame	Good	1910	Molded wood	Same		x					
	Transom	Good	1910	Single pane, cylinder glass	Same		x					
	Door	Good	1910		Same		x					
	Graining	Good	1910		Same		x					
Doorway to Den	Frame	Good	1910	Molded wood	Same		x					
	Door	Good	1910	Unique	Same		x					
	Graining	Good	1910		Same		x					

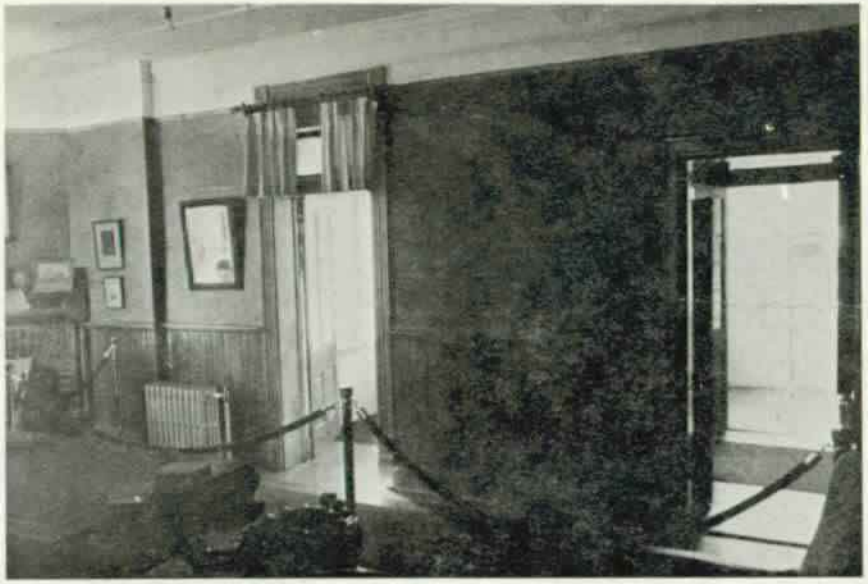
ROOM 214 - DEN ENTRY (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Corner boards (4)	Wood Graining	Good Good	1910 1910		Same Same		x x					
Light	Metal, glass	Good	Inst.	Incandescent, replacement	Fixture	Ceiling type				x	x	Period style
Fire Exting.	Metal Off-white paint	Good Good	Inst. Inst.	One nozzle Munsell 7.5Y 9/2	None None					x x	x	New fire system

ROOM 215 - DEN

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1910		Same		x					
	Plaster	Good	1910	Restored by Institute	Same		x					
	Red paint	Excellent	Inst.	Lower walls, Munsell 2.5YR 3/6	Cream paint	Munsell 2.5Y 8.5/3					x	Repaint
	Off-white paint	Excellent	Inst.	Frieze, Munsell 5Y 9/2	Off-white paint	Munsell 5Y 9/1					x	Repaint
	Wainscoting	Good	1910		Same		x					
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Picture Molding	Wood	Good	1910		Same		x					
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Ceiling	Wood	Good	1910	Narrow, chamfered boards	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	Off-white paint	Munsell 5Y 9/1	x					
	Cornice	Good	1910	Molded wood	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	Off-white paint	Munsell 5Y 9/1	x					
Floor	Top flooring	Good	1910	Diagonal in straight border	Same		x					
	Varnish	Good	1910		Same		x					
Fireplace	Wood mantle	Good	1910		Same		x					
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
	Brick Fire Box	Good	1910	Some soot on face	Same		x					
	Tilework	Fair	1910	Some tiles missing	Same			x				
	Andirons	Good	1910		Same		x					
	Fire guards	Good	1910	Grained by Institute	Same			x				Remove graining
Doorway to Den Entry	Frame	Good	1910	Molded wood	Same		x					
	Door	Good	1910	Unique	Same		x					
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Doorway to Den Porch	Frame	Good	1910	Molded wood	Window frame					x	x	New window frame
	Transom	Good	1910	Single pane, cylinder glass	2/2 d.h. sash					x	x	New window sash
	Door	Good	1910	Upper two panels of glass	None					x	x	New wall to window sill
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint

219



Room 215 – Den – West Wall

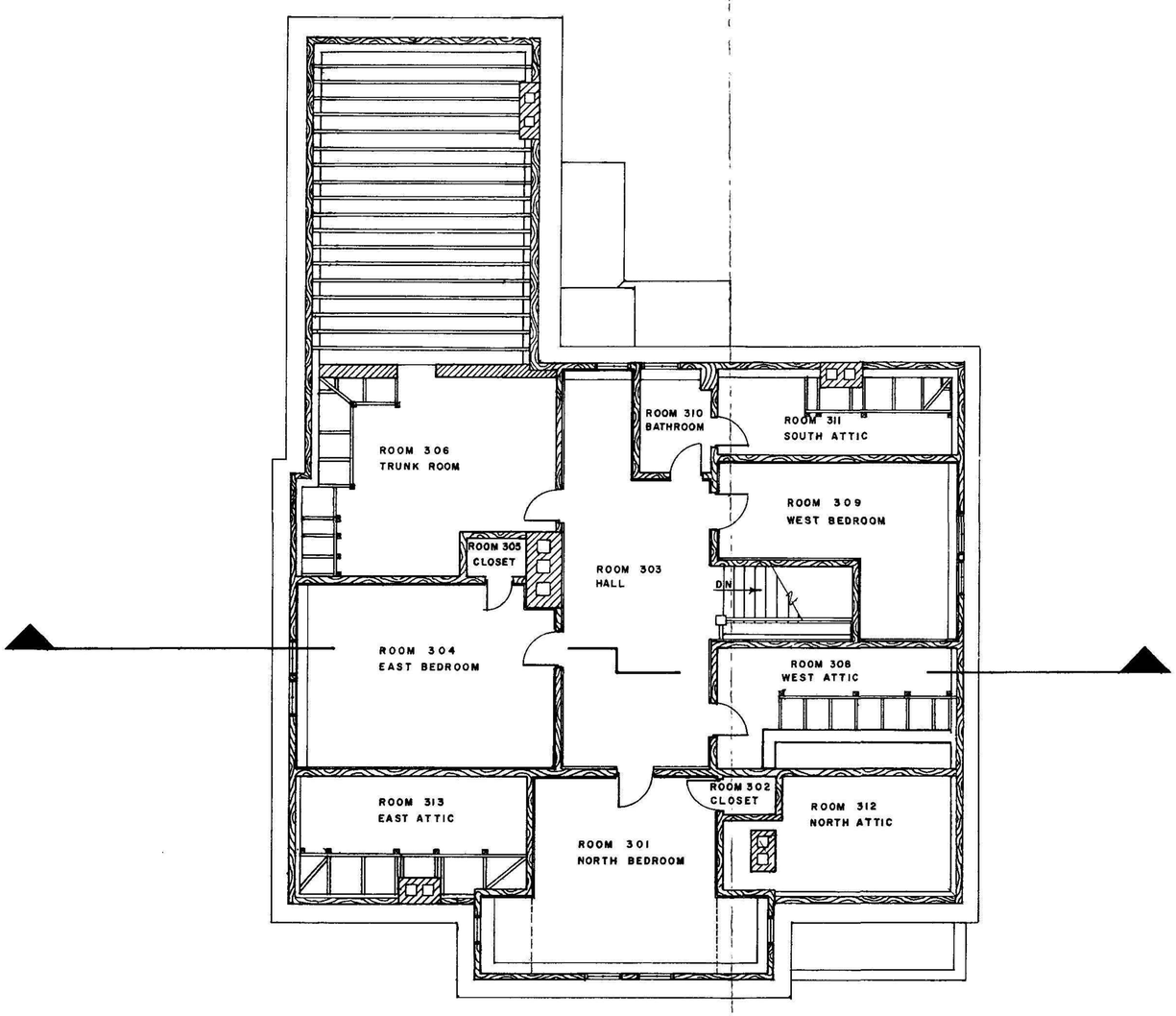
Room 215 – Den – Looking South

Room 215 – Den – Looking North

ROOM 215 - DEN (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
North Window, East Wall	Frame	Good	1910	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1910	Cylinder glass, molded sash	Same			x				
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
South Window, East Wall	Frame	Good	1910	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1910	Cylinder glass, molded sash	Same			x				
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Window, South Wall	Frame	Good	1910	Molded wood	Same	Built for door opening	x					
	2/2 d.h. sash	Fair	1910	Cylinder glass, molded sash	Same			x				
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Baseboard	Wood	Fair	1910	Molded wood	Same		x					
	Graining	Excellent	Inst.	Crude, Munsell 7.5R 4/4	Off-white paint	Munsell 5Y 9/1					x	Repaint
Radiator	Cast iron	Good	1920		None						x	
	Silver paint	Good	Inst.		None						x	
Lights (4)	Glass globes	Fair	1910	One replaced by Institute	Same	Brass mounts to ceiling	x		x			Replace frosted globe
Desk Light	Metal, glass	Fair	1910	One shade missing	Same		x		x			Replace shade
Reading Lamp	Metal	Fair	1910	Converted from gas fixture	Same				x			
Fire Exting.	Metal	Good	Inst.	Six nozzles	None						x	x New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None						x	

E. THIRD FLOOR



THIRD FLOOR PLAN

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M.

N

459
27,001

DRAWN BY: R. CARTER REVISED BY: L. SIROKY CHECKED BY: D.L. ATES

OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
HISTORIC AMERICAN BUILDINGS SURVEY
UNITED STATES DEPARTMENT OF THE INTERIOR

THE OAKS

TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 6 OF 11 SHEETS

COUNTY OF ORIGIN AND STATE NUMBER

ROOM 301 - NORTH BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same		x					
	Wainscoting	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5, Lower walls	Cream paint	Munsell 10YR 8/4	x					
					Dark varnish	On wainscoting				x	x	Strip, revarnish
	Off-white paint	Good	Inst.	Munsell 5Y 9/2, Frieze	Cream paint	Munsell 10R 7/6	x					
Picture Molding	Wood	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 9/2	Cream paint	Munsell 10 YR 8/4	x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2, main ceiling	Cream paint	Munsell 10R 7/6	x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5, alcoves	Cream paint	Munsell 10YR 8/4	x					
Floor	Top-flooring	Fair	1899	N-S, refinished by Institute	Same		x					
	Varnish	Good	Inst.		Varnish	Dark	x					
Doorway to Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Doorway to Closet	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Rehung by Institute	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Small Doorway	Frame	Good	1899	Molded wood	Same		x					
	Door	Fair	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Accessway To East Attic	Frame	Good	Inst.	Plain wood	None		x					
	Panel	Good	Inst.	Plain wood	None		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	None		x					

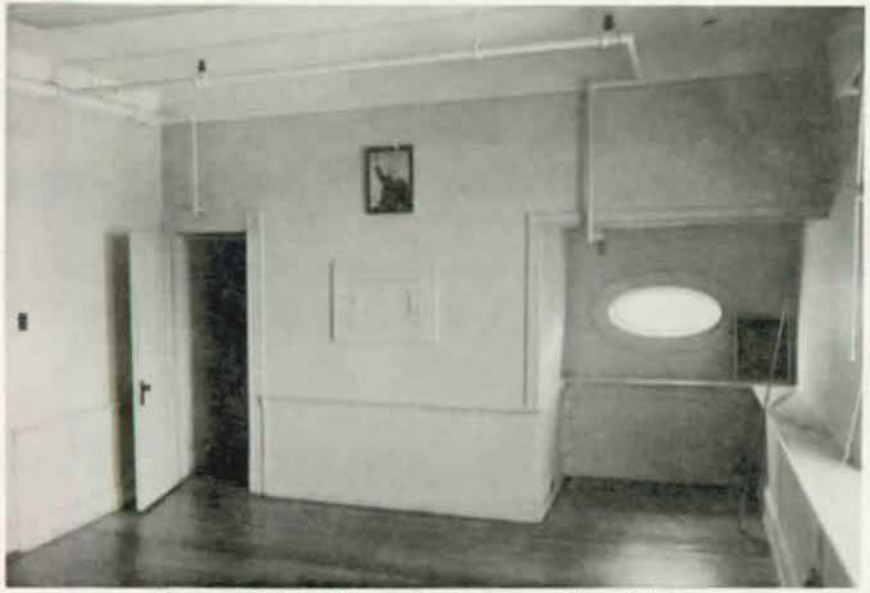
227

ROOM 301 - NORTH BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
N. Windows (2)	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded wood	Same			x				
	Shutters (8)	Missing	1899	Hinge sections filled	Same				x			
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x				x	Varnish on shutters
	Venetian blinds	Good	Inst.		None					x		
East Window	Frame	Good	1899	Molded wood, elliptical	Same							
	Fixed pane	Good	1899	Cylinder glass, elliptical	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
West Window	Frame	Good	1899	Plain wood, elliptical	Same							
	Fixed pane	Good	1899	Cylinder glass, elliptical	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Baseboard	Wood	Good	1899	Molded wood	Same							
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Window Ledges	Wood	Good	1899	On N. wall and alcove walls	Same							
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Edge boards	Wood	Good	1899	Molded wood	Same							
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Fluorescent	Fixture	Incandescent	x					
Fire Exting.	Metal	Good	Inst.	Six nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceilings	None					x		
Electric	Outlets	Good	Inst.		None		x					

ROOM 302 - NORTH BEDROOM CLOSET

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x					
	Wainscoting	Good	1899	West wall only	Same		x					
	Blue paint	Good	Inst.	On wall and wainscoting	Gray paint	Munsell N 8.0/ on plaster	x					
					Varnish	Dark, glossy, on wainscoting	x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracking	Same		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	Gray paint	Munsell N 8.0/	x					
Floor	Top flooring	Good	1899	N-S without border	Same		x					
	Brown paint	Fair	Inst.	Not sampled	Unknown	Probably brown paint	x					
Doorway to Bedroom	Frame	Good	1899	Plain wood	Same		x					
	Door	Good	1899	Rehung	Same		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	Varnish	Dark, glossy	x					
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	Varnish	Dark, glossy	x					
Wainscoting Ledge	Wood	Good	1899		Same		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	Varnish	Dark, glossy	x					
Shelf	Wood	Good	Inst.		None		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	None		x					
Hookboard	Wood	Good	Inst.		None		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	None		x					
Coat rods (2)	Wood	Good	1899,Inst	One old, one modern	One rod		x					
	Blue paint	Good	Inst.	Munsell 5B 7/2	None		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Blue paint	Good	Inst.	Munsell 5B 7/2	None					x		



Room 301 – North Bedroom – West Wall

Room 301 – North Bedroom – South Wall

Room 303 – Hall – Looking North

Room 303 – Hall – Looking South

ROOM 303 - HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same		x					
	Yellow paint	Good	Inst.	Lower walls, Munsell 10Y 8.5/2	Dark red paint	Munsell 2.5R 2/8	x					
	Off-white paint	Good	Inst.	Frieze, Munsell 5Y 8.5/2	Tan paint	Munsell 2.5Y 6/4	x					
	Wainscoting	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Picture Molding	Wood	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 10Y 8.5/2	Gilding		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Minor cracking	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 8.5/2	Tan paint	Munsell 2.5Y 6/4	x					
Floor	Top flooring	Fair	1899	N-S, no border, refinished by Institute	Same		x					
	Varnish	Good	Inst.		Varnish	Dark	x					
Doorway to North Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899	"6" on door, by Institute	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to East Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899	"7" on door, by Institute	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to Trunk Room	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to Bathroom	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					

ROOM 303 - HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to West Bedroom	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Two panes, cylinder glass	Same		x					
	Door	Good	1899	"8" on door, by Institute	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway to West Attic	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Trap Door	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Good	1899	Dark, glossy	Same		x					
Window	Frame	Good	1899	Molded wood, 1/2 of 2-sash frame	Same		x					
	2/2 d.h. sash	Fair	1899	Cylinder glass, molded sash	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same		x				x	Varnish on shutters
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Stairwell	Railing	Good	1899	Three balusters	Same		x					
	Wood ledge	Good	1899	At floor level on north side	Same		x					
Light	Metal	Poor	1920	Incandescent	Fixture			x				
Fire Exting.	Metal	Good	Inst.	Five nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 5Y 8.5/2	None					x		
Electric	Fuse box	Good	Inst.		None		x					
	Bell	Fair	1910	Inoperable	Same		x					

232

ROOM 304 - EAST BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracked, stovepipe hole filled	Same		x					
	Wainscoting	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Lower walls, Munsell 5Y 8/5	Dark red paint	Munsell 7.5R 3/4	x					
					Varnish	Dark, glossy, on wainscoting						
	Off-white paint	Good	Inst.	Frieze, Munsell 5Y 9/2	Cream paint	Munsell 2.5Y 8.5/3	x					
Picture Molding	Wood	Fair	1899	Missing in sections	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Gilding		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Cream paint	Munsell 2.5Y 8.5/3	x					
Floor	Top flooring	Fair	1899	E-W, no border, refinished by Institute	Same		x					
	Varnish	Good	Inst.		Varnish	Dark	x					
Doorway to Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Single pane, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x					
Doorway to Closet	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Rehung by Institute	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x					
W. Windows (2)	Frame	Good	1899	Molded wood	Same		x					
	4/4 d.h. sash	Poor	1899	Cylinder glass, molded sash	Same			x				
	Shutters (8)	Missing	1899	Hinge sections filled	Same				x			
	Yellow paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x				x	Varnish on shutters
	Venetian blinds	Good	Inst.		None					x		

233

ROOM 304 - EAST BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Window Ledge	Wood	Good	1899	Along east wall	Same		x					
	Yellow paint	Good	Inst.	Munsell 5Y 8/5	Varnish	Dark, glossy	x					
Radiator	Cast iron	Good	1920		None					x		
	Silver paint	Good	Inst.		None					x		
Light	Metal fixture	Good	1920	Incandescent, five bulbs	Fixture		x					
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst.	Matching walls and ceiling	None					x		

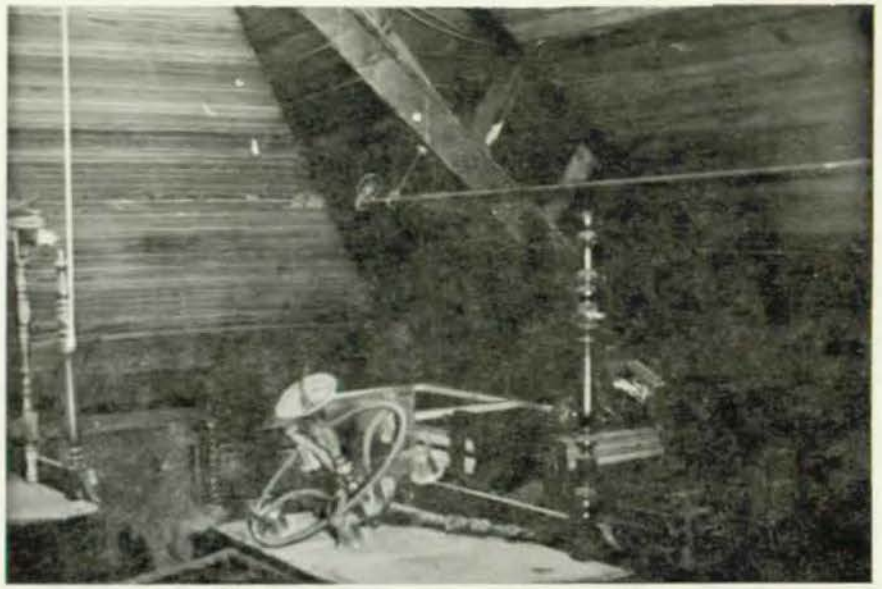
234

ROOM 305 - EAST BEDROOM CLOSET

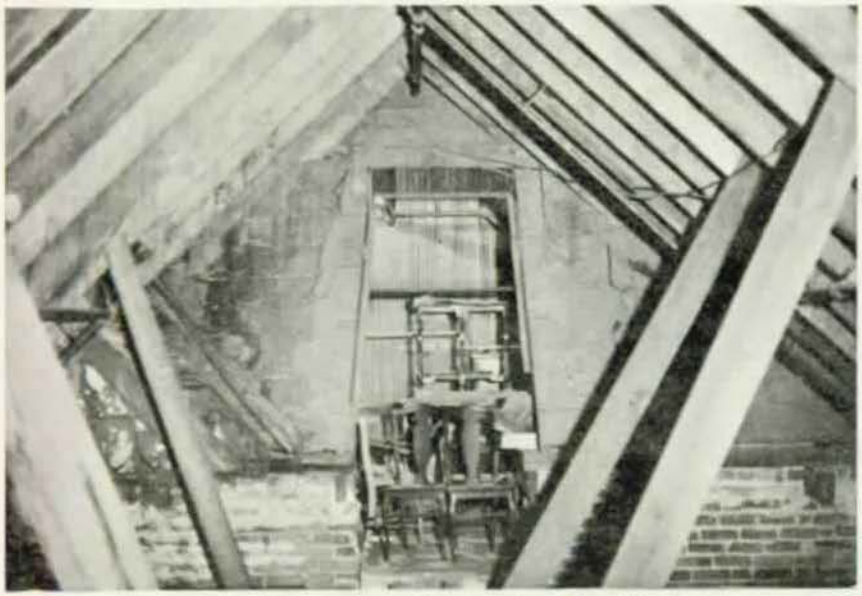
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracked	Same		x					
	Pink paint	Good	Inst.	Munsell 2.5R 8/2	Cream paint	Munsell 10YR 8/4	x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Poor	1899	Cracked	Same		x					
	Pink paint	Good	Inst.	Munsell 2.5R 8/2	Cream paint	Munsell 10 YR 8/4	x					
Floor	Top-flooring	Fair	1899	E-W no border	Same		x					
	Brown paint	Poor	1899	Dark, worn	Same		x					
Doorway to Bedroom	Frame	Good	1899	Plain wood	Same		x					
	Door	Good	1899	Rehung by Institute	Same		x					
	Pink paint	Good	Inst.	Munsell 2.5R 8/2	Varnish	Dark, glossy	x					
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Pink paint	Good	Inst.	Munsell 2.5R 8/2	Varnish	Dark, glossy	x					
Hookboards	Wood	Good	1899		Same		x					
Clothes Rod	Wood	Missing	Inst.		None		x					
Shelves	Wood	Good	Inst.		None		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None					x	x	New fire system
	Pink paint	Good	Inst.	Munsell 2.5R 8/2	None					x		

235

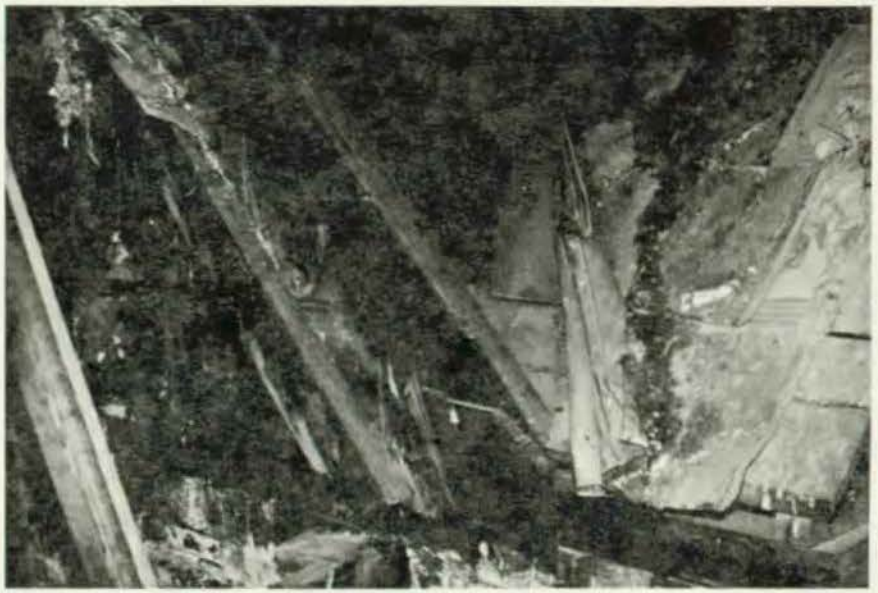
Room 304 – East Bedroom – West Wall



Room 306 – Trunk Room – Southeast Corner



Room 307 – Den Attic – Looking North



Room 307 – Den Attic – Roof Junction, Northwest Corner

ROOM 306 - TRUNK ROOM

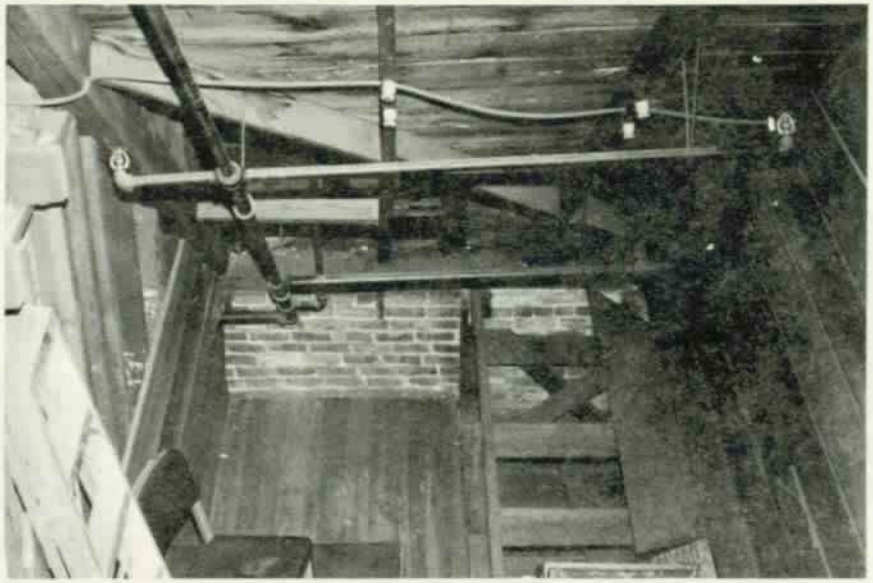
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
East and South Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Sill plate	Good	1899	Two 2" x 12" boards	Same		x					
	Wood siding	Good	1899	Narrow, horizontal boards	Same		x					
	Stain	Good	1899	Light color	Same		x					
West and North Walls	Wood siding	Good	1899	Narrow, horizontal boards	Same		x					
	Stain	Good	1899	Light color	Same		x					
Ceiling	Beam	Good	1899	Paired 2" x 6" boards	Same		x					
	Joists	Good	1899	2" x 6" boards, 26" o.c.	Same		x					
	Sheathing	Good	1899	1" x 10" boards	Same		x					
	Wood	Good	1899	Narrow, horizontal boards	Same		x					
	Stain	Good	1899	Light color	Same		x					
Floor	Wood	Fair	1899		Same		x					
Doorway to Hall	Frame	Fair	1899	Scar from lock keeper	Same		x					
	Door	Good	1899		Same		x					
Doorway to Attic	Opening	Fair	1899,1910	Dormer removed ca. 1910, brick wall cut below sill	Same		x					
Light	Metal	Good	Inst.		Fixture	Simple	x					
Cribbing	Wood	Good	1899	Box frame on east wall	Same		x					
Fire Exting.	Metal	Good	Inst.	Six nozzles	None					x	x	New fire system

237

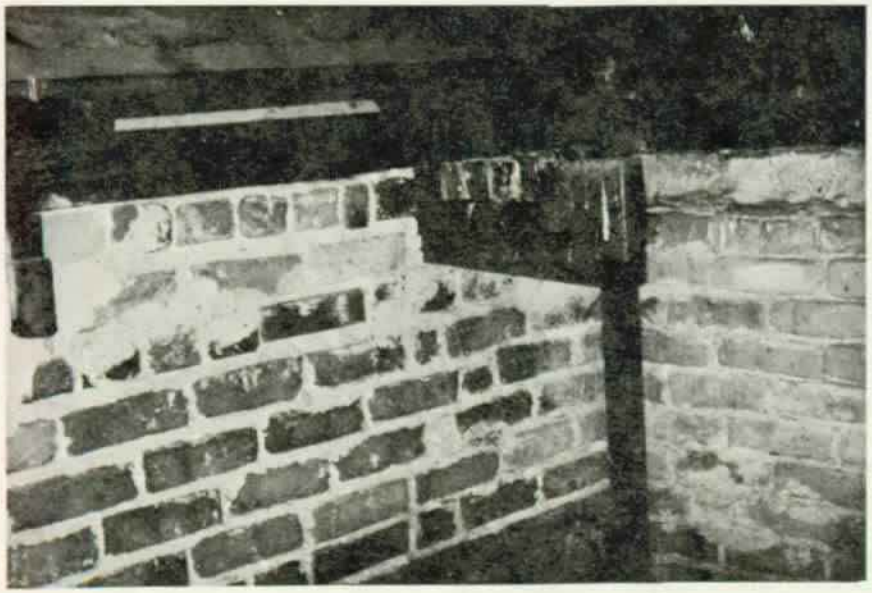
ROOM 307 - DEN ATTIC

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
South Wall	Sheathing	Good	1910	1" x 6" boards	Same		x					
	Studs	Good	1910	2" x 6" boards	Same		x					
	Sill plate	Good	1910	Two 2" x 8" boards	Same		x					
East and West Walls	Brick	Good	1910		Same		x					
	Mortar	Good	1910	White bedding mortar	Same		x					
	Sill plate	Good	1910	Two 2" x 8" boards	Same		x					
North Wall	Metal shingles	Good	1899	Painted red	Same	Roof of original house	x					
Ceiling	Ridge beam	Good	1910	1" x 6" board, N-S	Same		x					
	Trusses (17)	Good	1910	2" x 6" boards, E-W, 24" o.c.	Same		x					
	Sheathing	Good	1910	1" x 6" boards, N-S	Same		x					
Floor	Joists	Good	1910	2" x 6" boards, E-W, 16" o.c.	Same		x					
	Sheathing	Good	1910	1" x 6" boards, N-S	Same		x					
Doorway to Trunk Room	Opening	Fair	1899,1910	Dormer removed ca. 1910, brick wall cut below sill	Same		x					
Vent	Frame	Fair	1910	Plain wood	Same				x			
	Louvers	Fair	1910	Plain wood	Same				x			
Fire Exting.	Metal	Good	Inst.	Twelve nozzles	None					x	x	New fire system

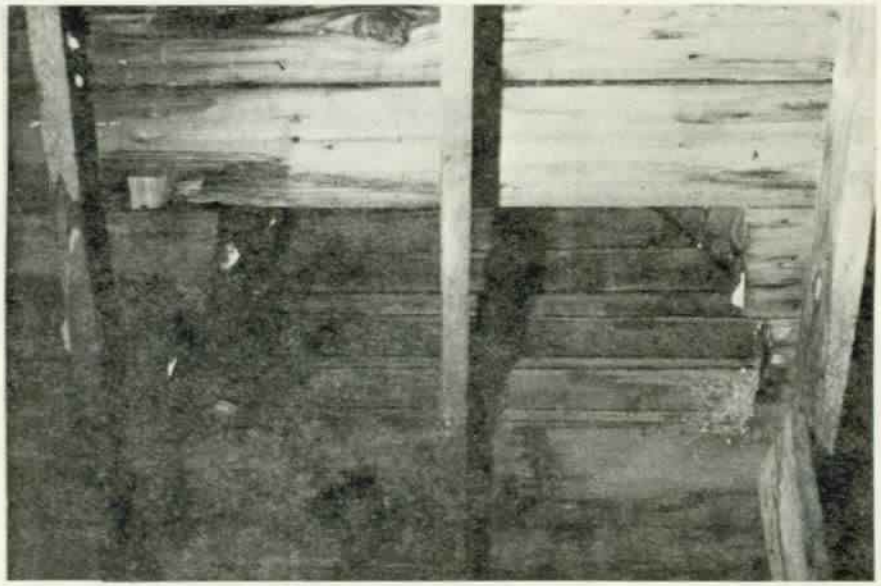
238



Room 308 – West Attic – West End



Room 307 – Den Attic – Northeast Corner
Note Historic Eaves Framing for Original Roof



Room 307 – Den Attic – Dormer

ROOM 308 - WEST ATTIC

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls (3)	Wood studs	Good	1899	North, east, and south walls	Same		x					
West wall	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Sill plate	Good	1899	Two 2" x 12" boards	Same		x					
	Studs	Good	1899	2" x 6" boards	Same		x					
	Sheathing	Good	1899	1" x 10" boards	Same		x					
Ceiling	Beam	Fair	1899	Two 2" x 6" boards, sagging	Same			x				
	Brace	Good	1910	To correct sagging problem	Same		x					
	Joists	Good	1899	2" x 6" boards, 26" o.c.	Same		x					
	Sheathing	Good	1899	1" x 10" boards	Same		x					
Floor	Wood	Good	1899		Same		x					
Doorway to Hall	Frame	Fair	1899	Minimal	Same		x					
	Door	Good	1899		Same		x					
Light	Metal	Good	Inst.		None			x				
Cribbing	Wood	Good	1899	Box frame on north wall	Same		x					
Fire Exting.	Metal	Good	Inst.	40 nozzles, entire attic	None					x	x	New fire system

240

ROOM 309 - WEST BEDROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	Cracking		Same			x				
	Wainscoting	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Dark red paint	Munsell 2.5R 4/6, on plaster	x					
					Varnish	Dark, glossy, on wainscoting						
					Cream paint	Munsell 10YR 7/4, on frieze						
Picture Molding	Wood	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Gilding		x					
Ceiling	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Cream paint	Munsell 10YR 7/4	x					
Floor	Top flooring	Fair	1899	E-W, no border, refinished by Institute	Same		x				x	Carpet
	Varnish	Good	Inst.		Varnish	Dark	x					
Doorway to Hall	Frame	Good	1899	Molded wood	Same		x					
	Transom	Good	1899	Two panes, cylinder glass	Same		x					
	Door	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Cream paint	Munsell 10YR 7/4	x					
W. Windows (2)	Frame	Good	1899	Molded wood	Same		x					
	2/2 d.h. sash	Fair	1899	Three lower panes broken	Same			x				
	Shutters (8)	Missing	1899	Hinge sections filled	Same				x			
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x				x	Varnish shutters
	Venetian blinds	Good	Inst.		None					x		
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x					

241

ROOM 309 - WEST BEDROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Window ledge	Wood	Good	1899	Along west wall	Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x					
Cornerboard	Wood	Good	1899		Same		x					
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	Varnish	Dark, glossy	x					
Radiator	Cast iron	Good	1920		None					x	x	Forced air system
	Silver paint	Good	Inst.		None					x		
Light	Metal	Fair	1920	Incandescent, five bulbs	Fixture			x				
Fire Exting.	Metal	Good	Inst.	Three nozzles	None					x	x	New fire system
	Off-white paint	Good	Inst.	Munsell 5Y 9/2	None					x		
Electric	Outlets	Good	Inst.		None		x					

Room 309 – West Bedroom – East End

Room 309 – West Bedroom – West Wall

Room 310 – Bath – Looking South

ROOM 310 - BATHROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899,1905	E.and N. walls added ca.1915	Same		x					
	Upper plaster	Fair	1899,1905	Minor cracking	Same			x				
	Lower plaster	Fair	1905	Scored to resemble tilework	Same			x				
	Dividing board	Good	1905	Plain wood	Same		x					
	Wainscoting	Good	1899	Below window on south wall	Same		x					
	Green paint	Good	Inst.	Munsell 5GY 9/2	Tan paint	Munsell 10 YR 8/4	x					
Ceiling	Sawn wood lath	Good	1905	Ceiling lowered ca. 1905	Same		x					
	Plaster	Fair	1905	Cracking	Same			x				
	Off-white paint	Good	Inst.	Munsell 5Y 9/1	Cream paint	Munsell 2.5Y 8.5/4	x					
Floor	Top-flooring	Fair	1899	N-S, no border	Same			x				
	Gray paint	Fair	Inst.	Not sampled	Unknown	Probably brown					x	Repaint
Doorway to Hall	Frame	Good	1905	Molded wood	Same		x					
	Door	Good	1905		Same		x					
	Green paint	Good	Inst.	Munsell 5GY 9/2	Varnish	Dark, glossy	x					
Doorway to South Attic	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	upper S. corner cut for joist	Same		x					
	Green paint	Good	Inst.	Munsell 5GY 9/2	Varnish	Dark, glossy	x					
Window	Frame	Good	1899	Molded wood, 1/2 of 2-sash frame	Same		x					
	2/2 d.h. sash	Fair	1899	Lower panes painted one cracked	Same			x				
	Shutters (4)	Missing	1899	Hinge sections filled	same				x			
	Green paint	Good	Inst.	Munsell 5GY 9/2	Varnish	Dark, glossy	x				x	Varnish shutters
	Venetian blind	Good	Inst.		None					x		
Sillboard	1/4 round	Good	1905		Same		x					
Bathtub	Cast iron	Fair	1905		Same		x					
Sink	Cast iron	Fair	1905		Same			x				

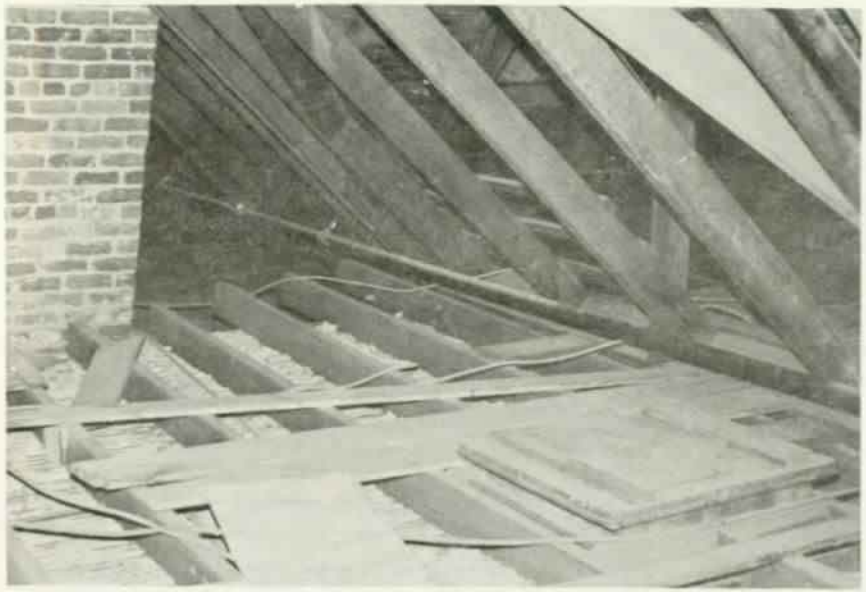
ROOM 310 - BATHROOM (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS				
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Toilet	Porcelain	Good	1905		Same				x	x		T.P.dispenser
Mirror	Glass, wood	Good	1905		Same		x					
Shelf	Wood	Good	1905	Plain wood	Same		x					
Window sill	Wood	Good	1905	Across south wall	Same		x					
	Green paint	Good	Inst.	Munsell 5GY 9/2	Varnish	Dark, glossy	x					
Radiator	Cast iron	Good	1920		None				x			
	Silver paint	Good	Inst.		None				x			
Light	Glass	Good	Inst.		Fixture		x					
Fire Exting.	Metal	Good	Inst.	One nozzle	None				x	x		New fire system
	Green paint	Good	Inst.	Munsell 5GY 9/2	None				x			

245

ROOM 311 - SOUTH ATTIC

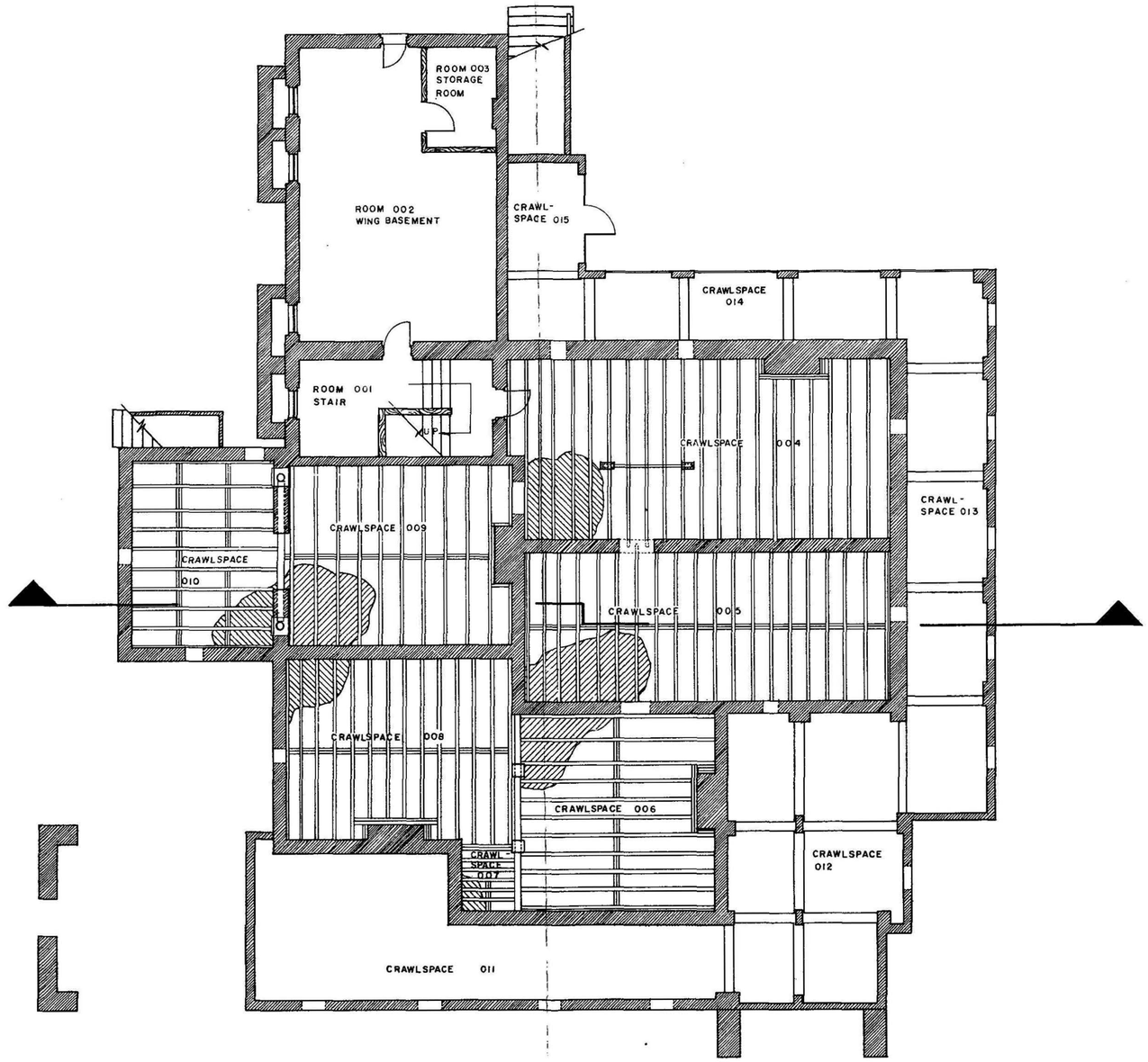
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
N. and E. Walls	Wood Studs	Good	1899		Same		x					
S. and W. Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Sill plate	Good	1899	Two 2" x 12" boards	Same		x					
Ceiling	Beam	Fair	1899	Paired 2" x 6" boards	Same		x					
	Joists	Good	1899	2" x 6" boards, 26" o.c.	Same		x					
	Sheathing	Good	1899	1" x 10" boards	Same		x					
Floor	Wood	Fair	1899		Same		x					
Doorway to Bathroom	Frame	Fair	1899	Plain wood	Same		x					
	Door	Good	1899	Upper S. jamb cut for joist	Same		x					
Cribbing	Wood	Good	1899	Box frame in southwest corner	Same		x					
Fire Exting.	Metal	Good	Inst.	Three nozzles	None					x	x	New fire system



Room 401 – Attic – Southeast Area

Room 401 – Attic – Former Stove Flue

F. BASEMENT



BASEMENT PLAN AND
REFLECTED FIRST FLOOR FRAMING PLAN

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

0' 4' 8' 12' 16'

0 1 2 3 4 5 M

N

459
27,001

NAME AND LOCATION OF STRUCTURE
TUSKEGEE INSTITUTE NATIONAL HISTORIC SITE
OLD MONTGOMERY ROAD
MACON COUNTY, TUSKEGEE, ALABAMA

THE OAKS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 3 OF 11 SHEETS

CONSIST OF (SHEET NUMBERS)

DRAWN BY: R. BROWN REVISED BY: A. SIGMOND CHECKED BY: D.L. ATES

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

MICROFILM

ROOM 001 - STAIR

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Fair	1899	Cracking	Same		x					
	Paint	Fair	Inst.	Peeling from moisture	Unknown	Not sampled	x					
	Wainscoting	Fair	1899	High humidity problems	Same		x					
	Varnish	Fair	1899	High humidity problems	Same		x					
Ceiling	Boards	Fair	1899	N-S, narrow	Same		x					
	Paint	Fair	Inst.	Upper area only	Unknown	Not sampled	x					
Floor	Top flooring	Fair	1899	E-W, no border, refinished by Institute, top landing	Same		x					
	Varnish	Fair	Inst.		Varnish	Dark	x					
	Concrete	Fair	1905	Basement floor	Same		x					
Stair	Wood walls	Fair	1899	High humidity problems	Same		x					
	Treads (14)	Fair	1899	Three winders	Same		x					
	Risers (18)	Fair	1899	High humidity problems	Same		x					
	Landings (3)	Fair	1899	High humidity problems	Same		x					
	Varnish	Poor	1899	High humidity problems	Same		x					
Doorway to Rear Hall	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899		Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Doorway at Mid-stair	Partition wall	Good	Inst.	Plain wood	None		x					
	Frame	Good	Inst.	Plain wood	None		x					
	Door	Good	Inst.	Nine panes, fixed glass	None		x					
	Paint	Good	Inst.	Not sampled	None		x					
Doorway to 002	Frame	Fair	1899	Plain wood	Same		x					
	Door	Fair	1899		Same		x					
	Paint	Fair	Inst.		Unknown	Not sampled						

ROOM 001 - STAIR (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Doorway to Breakfast Room	Frame	Good	1899	Molded wood	Same		x					
	Door	Good	1899	Swing reversed by Institute	Same				x			
	Varnish	Fair	1899	Dark, chipped	Same			x				Reverse swing
Doorway to 004	Frame	Fair	1899	Plain wood	Same		x					
	Door	Fair	1899		Same		x					
	Paint	Fair	Inst.		Unknown	Not sampled	x					
Window	Frame	Missing	1899	Removed for steam piping	Same				x			
	6/6 d.h. sash	Missing	1899	Removed for steam piping	Same				x			
Baseboard	Wood	Good	1899	Molded wood	Same		x					
	Varnish	Fair	1899	Dark, chipped	Same		x					
Steam pipes	Cast iron	Poor	1920	Leaking steam	None					x	x	Forced air system
Lights (2)	Metal	Fair	Inst.	Incandescent	Fixture		x					
Fire Exting.	Metal	Good	Inst.	Four nozzles	None					x	x	New fire system
	Paint	Good	Inst.		None				x			

Room 001 – Stair – Looking East From First Floor Rear Hall

Room 002 – Wing Basement – Looking North

ROOM 002 - WING BASEMENT

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Main Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same		x					
	Cornice board	Fair	1899		Same		x					
	Paint	Good	Inst.	Partition outlines on S. wall	Unknown	Not sampled	x					
Storage Room Walls	Gypsumboard	Fair	Inst.	Broken	None		x					
	Cornice board	Fair	Inst.	Plain wood	None		x					
	Baseboard	Fair	Inst.	Plain wood	None		x					
	Corner board	Good	Inst.	Plain wood	None		x					
	Paint	Good	Inst.		None		x					
Ceiling	Boards	Fair	1899	N-S	Same		x					
	Paint	Good	Inst.		Unknown	Not sampled	x					
Floor	Concrete	Fair	1905	Step at exterior doorway	Same		x					
Doorway to Stair Hall	Frame	Good	1899	Plain wood	Same		x					
	Door	Good	1899		Same		x					
	Paint	Good	Inst.		Unknown	Not sampled	x					
Doorway to Storage Room	Frame	Good	Inst.	Plain wood	None		x					
	Door	Good	Inst.		None		x					
	Paint	Good	Inst.		None		x					
Doorway to Exterior	Frame	Good	1899	Plain wood	Same		x					
	Door	Good	1899		Same		x					
	Paint	Good	Inst.		Unknown	Not sampled	x					
North Window	Frame	Poor	1899		Same			x				
	6/6 d.h. sash	Poor	1899		Same			x				
	Paint	Fair	Inst.		Unknown	Not sampled	x					

256

ROOM 002 - WING BASEMENT (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Center Window	Frame	Poor	1899		Same							
	6/6 d.h. sash	Poor	1899		Same			x	x			
	Paint	Fair	Inst.		Unknown	Not sampled	x					
South Window	Frame	Poor	1899		Same							
	6/6 d.h. sash	Poor	1899		Same			x	x			
	Paint	Fair	Inst.		Unknown		x					
Heating system	Metal	Good	Inst.	See engineering section	None					x		Forced air system
Fire Exting.	Metal	Good	Inst.	Five nozzles	None					x	x	New fire system
	Paint	Good	Inst.		None					x		
Light	Metal, glass	Good	Inst.	Flouresent	Incandescent		x					
Shelving	Wood	Good	Inst.		None		x					

257

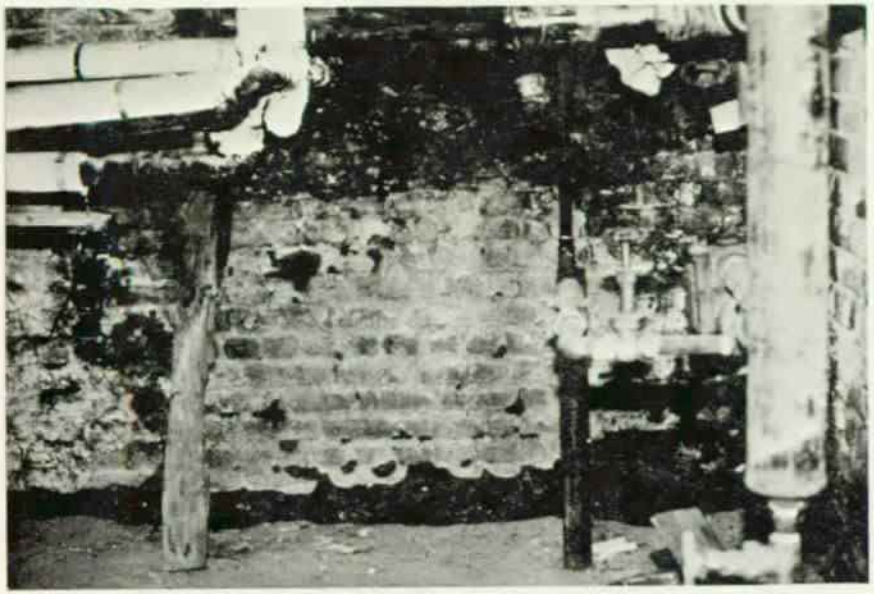
Room 002 – Wing Basement – South Wall

Room 003 – Storage – From Room 002

ROOM 003 - STORAGE ROOM

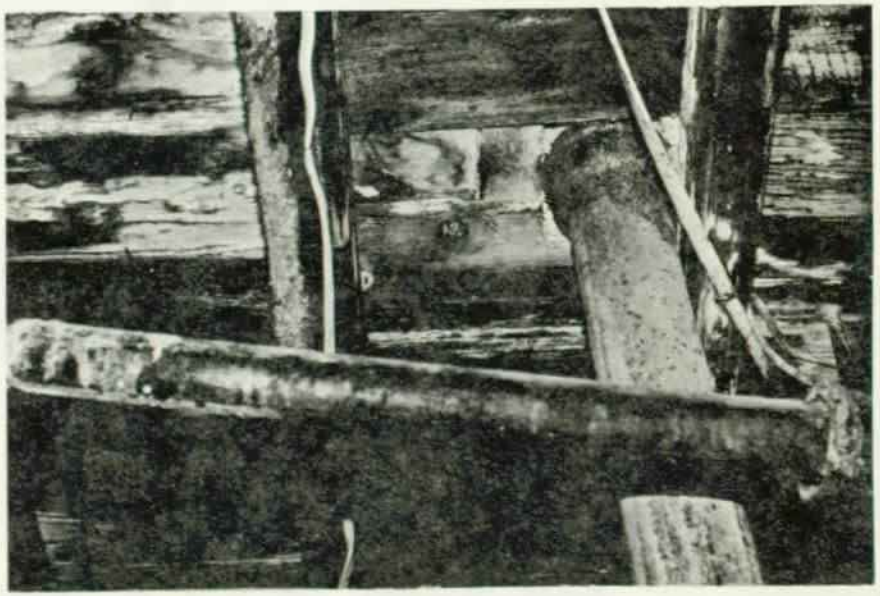
EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
S. and W. Walls	Sawn wood lath	Good	1899		Same		x					
	Plaster	Good	1899		Same		x					
	Paint	Good	Inst.		Unknown	Not sampled	x					
N. and E. Walls	Wood studs	Good	Inst.		None		x					
Ceiling	Boards	Fair	1899		Same		x					
	Paint	Good	Inst.		Unknown	Not sampled	x					
Floor	Concrete	Fair	1905		Same		x					
Doorway to Basement	Frame	Good	Inst.	Plain wood	None		x					
	Door	Good	Inst.		None		x					
	Paint	Good	Inst.		None		x					
Light	Metal, glass	Good	Inst.	Incandescent	None		x					
Fire Exting.	Metal	Good	Inst.		None					x	x	New fire system
	Paint	Good	Inst.		None					x		
Sink	Cast iron	Fair	1910	Double laundry sink	Same		x					
Electric	Outlet	Good	Inst.		None		x					

259



Room 001 – Stair – East Wall
Note Deterioration

Crawlspace 004 – Under Bathroom
Note Rotting



ROOM 004 - CRAWLSPACE BELOW GUEST ROOM, BATHROOM AND REAR HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists	Same		x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.E.-N.W.	Same		x					
	Joists	Good	1899	22 2" x 12" joists, N.-S.	Same		x					
	Bridging	Good	1899	In center, E.-W.	Same		x					
Floor	Dirt	Fair	1899		Same		x					
Chimney Base	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Joists (4)	Good	1899	2" x 12" joists, paired at ends	Same		x					
Piers (2)	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Beam	Good	1899	5" x 8" beam between piers	Same		x					
Doorway to Stair Hall	Frame	Fair	1899	Minimal, plain wood	Same		x					
	Door	Fair	1899		Same		x					
Doorway to 005	Masonry opening	Good	1899		Same		x					
Doorway to 009	Masonry opening	Fair	1899	Small opening	Same		x					
West Wall Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					
South Wall, West Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					
South Wall, Center Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					

261

ROOM 004 - CRAWLSPACE BELOW GUEST ROOM, BATHROOM AND REAR HALL (cont.)

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
South Wall, East Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					
N. and S. Upper Walls	Brick	Good	Inst.	Between joists	None		x					
	Mortar	Good	Inst.	Portland cement	None		x					
Light	Metal	Good	Inst.	Incandescent	None		x					
Piping	Metal	Good	1905,1920	For radiators and bathroom	Some	Bathroom piping only	x			x		Remove radiator piping
Electric	Wiring	Good	Inst.		Other wiring			x				See engineering section

262

ROOM 005 - CRAWLSPACE BELOW FRONT HALL

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists	Same		x					
	Brick	Good	Inst.	Between joists, N. & S. walls	None		x					
	Mortar	Good	Inst.	Portland cement	None		x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.E.-N.W.	Same		x					
	Joists (22)	Good	1899	2" x 12" joists, 1'-6" b.c., N-S	Same		x					
	Bridging	Good	1899	1" x 4" in center, E.-W.	Same		x					
Floor	Dirt	Fair	1899		Same		x					
Doorway to 004	Masonry opening	Fair	1899		Same		x					
Doorway to 006	Masonry opening	Fair	1899	Small opening	Same		x					
West Wall Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					
North Wall Vent	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Same as bedding mortar	Same		x					
Light	Metal	Good	Inst.	Incandescent	None		x					
Piping	Metal	Good	1920	For radiator above	None					x		
Electric	Wiring	Good	Inst.		Other wiring			x				See engineering section

ROOM 006 - CRAWLSPACE BELOW PARLOR

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
North, West, and South Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists	Same		x					
	Brick	Good	Inst.	Between joists, S. wall	None		x					
	Mortar	Good	Inst.	Portland cement	None		x					
East Wall	Brick piers (2)	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Beam	Good	1899	6" x 8" beam spanning wall	Same		x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.W.-N.E.	Same		x					
	Joists (12)	Good	1899	2" x 12", 1'-6" o.c., E.-W.	Same		x					
	Bridging	Good	1899	1" x 4" in center, N.-S.	Same		x					
Floor	Dirt	Fair	1899		Same		x					
Chimney base	Brick	Good	1899	Modified ca. 1925	Similar		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Joists (4)	Good	1899	2" x 12" joists, paired at ends	Same		x					
Doorway to 005	Masonry opening	Fair	1899		Same		x					
Piping	Metal	Good	1920	For radiator above	None					x		
Electric	Wiring	Good	Inst.		Other wiring			x				Engineering section

264

ROOM 007 - CRAWLSPACE BELOW FOYER

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
East and North Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists, east wall	Same		x					
West and South Walls	Brick pier	Good	1899	In southwest corner	Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Beams (2)	Good	1899	6" x 8", spanning both walls	Same		x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.E.-N.W.	Same		x					
	Joists (5)	Good	1899	2" x 12", 1'-6" o.c., E.-W.	Same		x					
	Bridging	Good	1899	1" x 4" in center, N.-S.	Same		x					
Floor	Dirt	Good	1899		Same		x					

265

ROOM 008 - CRAWLSPACE BELOW STUDY

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists	Same		x					
	Brick piers(2)	Good	1899	North end, west wall	Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Beams (2)	Good	1899	On west and north walls	Same		x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.E.-N.W.	Same		x					
	Joists (14)	Good	1899	2" x 12", 1'-6" o.c., N.-S.	Same		x					
	Bridging	Good	1899	1" x 4" in center, E.-W.	Same		x					
Floor	Dirt	Fair	1899		Same		x					
Chimney base	Brick	Good	1899	Modified ca. 1925	Similar		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Joists (6)	Good	1899	2" x 12", tripled at ends	Same		x					
	Sheathing	Good	1925	Supporting enlarged hearth	None		x					
	Concrete	Good	1925	Hearth	Other hearth		x					
West Wall Vent	Masonry opening	Good	1920		None		x					
	Parging	Good	1920	Portland cement	None		x					
	Iron grille	Fair	1920		None			x				Treat rust
Piping	Metal	Good	1920	For radiator above	None					x		
Electric	Wiring	Good	Inst.		Other wiring			x				See engineering section

ROOM 009 - CRAWLSPACE BELOW DINING ROOM

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Wood sill	Good	1899	Below joists	Same		x					
	Brick	Good	Inst.	Between joists of south wall	None		x					
	Mortar	Good	Inst.	Portland cement	None		x					
	Columns (2)	Good	1905	7" dia. steel	Same	Added with dining addition	x					
Ceiling	Subflooring	Good	1899	3/4" random-width, S.W.-N.E.	Same		x					
	Joists (14)	Good	1899	2" x 12", 1'-6" o.c., N.-S.	Same		x					
	Bridging	Good	1899	1" x 4" in center, E.-W.	Same		x					
Floor	Dirt	Good	1899		Same		x					
Chimney base	Brick	Good	1899	Modified ca. 1925	Similar		x					
	Mortar	Good	1899	White bedding mortar	Same		x					
	Joists (7)	Good	1899,1925	2" x 12", paired at ends, tripled at face	Similar		x					
	Concrete	Good	1925	Hearth	Other hearth		x					
Doorway to 004	Masonry opening	Fair	1899		Same		x					
Doorway to 010	Masonry opening	Good	1899	South of center opening	Same		x					
Doorway to 010	Masonry opening	Good	1905	Center opening	Same		x					
	Beam	Good	1905	7" x 7" wood beam	Same		x					
Piping	Metal	Good	1920	For radiator system	None					x		
Electric	Wiring	Good	Inst.		Other wiring			x				See engineering section

267

ROOM 010 - CRAWLSPACE BELOW DINING ROOM ADDITION

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
Walls	Brick	Good	1899,1905	West wall original	Same		x					
	Mortar	Good	1899,1905	White bedding mortar	Same		x					
	Wood sill	Good	1899,1905	Below joists	Same		x					
	Columns (2)	Good	1905	7" dia. steel	Same	Flanking opening to 009	x					
Ceiling	Subflooring	Good	1905	3/4" x 11" boards, S.E.-N.W.	Same		x					
	Joists (10)	Good	1905	9½" x 1 3/4", 1'-10" o.c., E-W	Same		x					
	Bridging	Good	1905	2 rows 3/4" x 2½" T & G, N.-S.	Same		x					
Floor	Dirt	Good	1905		Same		x					
Doorway to 009	Masonry opening	Good	1899	South of center doorway	Same		x					
Doorway to 009	Masonry opening	Good	1905	Center doorway	Same		x					
	Wood beam	Good	1905	7" x 7"	Same		x					
North Wall Vent	Masonry opening	Good	1920		None		x					
	Parging	Good	1920	Portland cement	None		x					
	Iron grille	Fair	1920	Rusting	None			x				
East Wall Vent	Masonry opening	Good	1920	Above 1899 9-hole vent	None		x					
	Parging	Good	1920	Portland cement	None		x					
	Iron grille	Fair	1920	Rusting	None		x					
South Wall Vent	Masonry opening	Good	1920		None		x					
	Parging	Good	1920	Portland cement	None		x					
	Iron grille	Fair	1920	Rusting	None			x				
Piping	Metal	Good	1920	For radiator above	None					x		
Electric	Wiring	Good	Inst.		Other wiring			x				See engineering section

ROOM 011 - CRAWLSPACE BELOW PORCH ONE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	Pink pointing mortar	Same		x					
Porch Walls	Brick	Good	1925	Hard brick	Brick piers	Five piers, wood lattice panels	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
	Vents (4)	Good	1925	Diamond pattern, nine holes	None		x					
Ceiling	Concrete slab	Good	1925		Wood deck		x					
	Concrete beams	Good	1925		Wood joists		x					
Floor	Dirt	Fair	1899	Covered with debris	Same		x					

269

ROOM 012 - CRAWLSPACE BELOW PORCH TWO

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same		x					
	Mortar	Good	1899	Pink pointing mortar	Same		x					
Porch Walls	Brick	Good	1925	Hard brick	Soft brick	Piers and wall at steps	x					
	Mortar	Good	1925	Pink portland cement	Mortar	Pink pointing mortar	x					
	Vent opening	Good	1925	Diamond pattern, nine holes	None		x					
Piers (2) and Pilasters (8)	Brick	Good	1925	Hard brick	Unknown	Probably none	x					
	Mortar	Good	1925	Pink portland cement	Unknown	Probably none	x					
Ceiling	Concrete slab	Good	1925		Wood deck		x					
	Concrete beams	Good	1925	Nine beams	Wood joists		x					
Floor	Dirt	Fair	1899	Covered with debris	Same		x					
Vent to 005	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					

270

ROOM 013 - CRAWLSPACE BELOW PORCH THREE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Wall	Brick	Good	1899		Same		x					
	Mortar	Good	1899	Pink pointing mortar	Same		x					
Porch Wall	Brick	Good	1925	Hard brick	Brick piers	Four piers	x					
	Mortar	Good	1925	Portland cement	Mortar	White bedding mortar	x					
	Vents (4)	Good	1925	Diamond pattern, nine holes	None		x					
Pilasters (4)	Brick	Good	1925	Hard brick	Brick piers	Same as above-mentioned piers	x					
	Mortar	Good	1925	Portland cement	Mortar	White bedding mortar	x					
Ceiling	Concrete slab	Good	1925		Wood deck		x					
	Concrete beams	Good	1925	Four beams	Wood joists		x					
Floor	Dirt	Fair	1899	Covered with debris	Same		x					
Vent to 004	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					
Vent to 005	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					

271

ROOM 014 - CRAWLSPACE BELOW PORCHES FOUR AND FIVE

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Wall	Brick	Good	1899		Same		x					
	Mortar	Fair	1899	Pink pointing mortar	Same			x				Repoint as needed
Porch Wall	Brick	Good	1925	Hard brick, west wall	None		x					
	Mortar	Good	1925	Portland cement	None		x					
Piers (4)	Brick	Good	1925	Hard brick	Brick piers	Five piers	x					
	Mortar	Good	1925	Portland cement	Mortar	White bedding mortar	x					
Lattices (4)	Frame	Good	Inst.		None		x					
	Lattice	Good	Inst.	Square pattern	None		x					
	Door	Good	Inst.	In west opening	None		x					
	White paint	Good	Inst.	Munsell N 9.5/	None		x					
Ceiling	Concrete slab	Good	1925		Wood deck		x					
	Concrete beams	Good	1925	Four beams	Wood joists		x					
Floor	Dirt	Fair	1899	Covered with debris	Same		x					
Center Vent to 004	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					
West Vent to 004	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					

ROOM 015 - CRAWLSPACE BELOW PORCH SIX

EXISTING CONDITIONS					HISTORICAL DESCRIPTIONS		RECOMMENDATIONS					
ELEMENT	MATERIAL	CONDITION	PERIOD	COMMENTS	MATERIAL	COMMENTS	PRESERVE	REPAIR	REPLACE IN KIND	REMOVE	INSTALL	COMMENTS
House Walls	Brick	Good	1899		Same		x					
	Mortar	Poor	1899	Pink pointing mortar	Same			x				Repoint
Porch Wall	Brick	Good	1925	South wall	Soft brick		x					
	Mortar	Good	1925	Portland cement	Mortar	White bedding mortar	x					
Pier	Brick	Good	1925	Hard brick	Soft brick		x					
	Mortar	Good	1925	Portland cement	Mortar	White bedding mortar	x					
Lattice	Frame	Good	Inst.		None		x					
	Lattice	Good	Inst.	Square pattern	None		x					
	Door	Good	Inst.		None		x					
	White paint	Good	Inst.	Munsell N 9.5/	None		x					
Ceiling	Concrete slab	Good	1925		Wood deck		x					
	Concrete beam	Good	1925		Wood joists		x					
Floor	Dirt	Good	1899		Same		x					
Vent to 004	Masonry opening	Good	1899		Same		x					
	Parging	Fair	1899	Pink and white mortar	Same		x					

273

IV. Existing Conditions and Recommendations for Architectural Engineering Systems

A. Structural

General Comments

Design live loads for floors of 100 psf in public areas and 50 psf in office spaces were taken from the Standard Building Code. Reductions from these design loads can be allowed in accordance with 103.4.1 of the 1977-78 Revisions to the Code. Lateral stability of the building from wind and seismic loadings was assumed adequate because of a lack of visible damage from these types of loadings.

Allowable loads for floor framing members were determined based on the following assumed wood properties.

F_B = 1100 psi (Repetitive member use)

F_V = 85 psi

E = 1,400,000 psi

Drawings describing the structural systems in part are included with the architectural HABS drawings.

Discussion

Constructed in 1899 at Tuskegee Institute[1], the building is in generally sound structural condition. Existing structural systems are described in the following sections:

Foundation - Masonry bearing walls are supported on spread footings. No evidence of settlement was observed.

Bearing Walls - The exterior masonry bearing walls are in good condition but will require some repointing. A first floor bearing wall between the dining room and its addition was removed and replaced with a steel beam and steel columns. This work is in good condition. Plaster cracks are present throughout the building. This could be the result of a number of things such as thermal movement or large floor loadings when the building was used for offices.

Floors - Some of the floors are uneven but appear to be stable. The existing floor systems of wood joists and flooring are adequate for a live load of approximately 75 psf. The Building Code minimum is 100 psf. However, considering the anticipated floor loadings from furnishings and visitors the 75 psf is an allowable capacity.

Roof - The existing roof system is adequate for the anticipated live loads. Clogged roof gutters have caused water damage to the eave soffits. This will have to be investigated further and damaged framing members replaced.

---

1. of bricks made by students and faculty.

B. Mechanical Systems

General Comments

The available fuels are steam from the Institute's central plant, natural gas, fuel oil, electricity, and L.P. gas.

The Park Service is purchasing steam at present from the Institute for two of its buildings at a flat rate charge of $12,000 per year. This is an exorbitant amount to provide heat for only the Carver Museum and The Oaks. For this reason we feel that steam should be eliminated from consideration for use as a fuel at this location. Natural gas is a more economical fuel at $2.69 per million BTU. Of the three remaining fuels, fuel oil at $4.40 per million BTU appears to be the second most favorable and electricity at $7.77 per million BTU appears to be the least feasible. Selection of a heat pump, however, as the source of heat requires that we re-examine the relationship. Heat pumps when used in the Tuskegee area will typically have a seasonal co-efficient of performance of approximately 2.5. This means that on heating cycle the unit will produce 2.5 times as much heat energy as is required to operate the machine plus all required auxiliary electric heat for the full heating season. This reduces the cost of heating with electricity to $3.11 per million BTU thus making it more economical than fuel oil as a fuel but less than natural gas. The heat pump system would also have a lower installation cost than a standard air conditioning system plus a separate heating system, since the heat pump performs both functions with the single package of equipment.

It is therefore, recommended that natural gas be utilized for the building.

HVAC Systems - Discussion

Because The Oaks is to be preserved for use as a house museum some rooms will be refurnished. It is imperative that conditions be maintained which will prevent damage to any part of the building or furnishings due to high or low humidity or rapid changes in temperature. The system must be unobtrusive both audibly and visually. It is also desirable to maintain comfort conditions for the visitors, while remaining conscious of energy conservation requirements. Because the primary circulation of visitors will be principally in the halls and stairways, it is felt that comfort can be provided by conditioning only these spaces. The rooms would be incidentally heated in the winter and cooled to a small degree in the summer. The relative humidity throughout the building would tend to equalize with that in the conditioned space. This is due to the vapor pressure of the moisture in the air, which varies directly with relative humidity, and causes moisture migration from a higher relative humidity space to a lower relative humidity space.

The following analyses for winter and summer periods are made to show that the resulting conditions within the rooms will be within the limits that are desirable to prevent damage to the building and its furnishings:

a. Winter Conditions

Without considering moisture migration into the building from outside and from visitors through respiration and persiration, the

relative humidity within the building after heating to 68 degrees Fahrenheit will be approximately 45 percent. Because there would be moisture added from the above sources a method of dehumidification should be provided to limit the rise of relative humidity. This limit may be as desired by Harpers Ferry Center to maintain humidity as nearly constant as is possible throughout the year. It is suggested that 50% R.H. $\pm$ 20% may be a target figure which might be approached winter and summer.

The equilibrium temperature of the unheated rooms is uncertain but would fall within the high limit of the core area temperature ($68^{o}F$) and the low limit which is a function of the wall "U" value, the outside temperature (lowest record is $5^{o}F$) the inside temperature and the film conductance.

$$t_s = t_i - f_i - u\,(t_i - t_o)^2$$

When U is .25, t_i is $68^{o}F$, f_i is 1.65 and to is $5^{o}F$ then t_s, the inside surface of the wall is $58.45^{o}F$ thus the lowest the room temperature could approach would be approximately $58^{o}F$.

The outside temperatures at which condensation could occur on the inside walls may be determined by using the above equation and making t_s equal to the dew point temperature of the air at the inside conditions. This calculation shows that at $68^{o}F$ and 45% R.H. condensation will occur at t_o of minus $83.8^{o}F$, at $58^{o}F$ and 45% R.H. condensation will occur at minus $80.6^{o}F$. If we allow the relative humidity to rise to 55% and at $58^{o}F$, condensation will occur at minus $47.6^{o}F$. Condensation will occur on single pane windows at the above conditions respectively at approximately $35^{o}F$, $15^{o}F$ and $25^{o}F$. The above temperatures indicate that condensation would never form on the walls and that there would also be none on the windows at normal low temperatures.

Because outside relative humidity would be higher than the inside relative humidity the vapor pressure would force any moisture migration from exterior to interior. The building walls would be warmer than the exterior temperature and therefore there could be no condensation within the walls. With no condensation in the walls there would be no possibility of damage.

b. Summer Conditions

The worst summer conditions occur in July and August with normal daily high temperature of $92^{o}F$ and 62% relative humidity and a daily low of $72^{o}F$ and 91% relative humidity. We are restricted from cooling air conditioned spaces below $80^{o}F$, thus it is obvious that an air cooling system could not operate much of the night and early morning hours when the outside relative humidity is highest. While the cooling system is operating it would continue to remove moisture from the air until a relative humidity of 45% is approached. Because the system would not operate much of the time however, it would be necessary to provide a dehumidification system to bring the moisture content of the air down to the required limit.

---

2. Strock and Koral, Pg. 2-193 and 2-197

c. System Recommendations

A heat pump system should be provided with the condensing unit located outside the building in a location concealed from the visitors' view and with the evaporator located in the basement. The system should be capable of providing dehumidification even when cooling is not required and as necessary when the system is on heating cycle. To be most effective the dehumidifier should be in the return air stream. Return air should be through the stairwells and halls with ducted return from the basement stairwell to the unit. Supply air should be ducted from the basement heat pump unit up through the reconstructed first floor closet and to the second floor closet above. Supply air would be distributed to the first and second floor hallways through wall registers in each wing of the L shaped hallways. Heat would rise to the third floor through the stairwell while humidity would stabilize throughout the building. In order to allow the humidity to equalize it will be necessary to provide free communication of air from room to hallway and from floor to floor. This means open doors or undercut doors or some other means to allow the moisture to migrate freely. It will also be necessary to prevent free communication with outdoors. This will require that ventilated attics and the basement be closed off from the rest of the building by tightly sealing doors or other means while still allowing access to these spaces. Any open chimneys would require plugging and sealing.

Energy for heating and cooling can be conserved by insulating the third floor rooms and hallway from the attic spaces and by insulating the floor between the first floor and the basement. Further savings in air conditioning costs may be effected by utilizing forced ventilation in the attic space to reduce solar load.

Auxiliary heating systems may be used in some rooms such as the den on the second floor, which are furnished, and are relatively isolated from warm wall contact with heated areas. In such cases it is recommended that an electric resistance heating unit be concealed in the room. A suggested location for such a unit is in the fireplace. The staff restroom on the third floor would require heating and ventilation and the staff lounge should also be air conditioned. The packaged heat pump unit for this room should be located in the ventilated attic space.

Plumbing Systems

The only plumbing required in the house is to serve the staff restroom on the third floor. New fixtures should be provided for the staff restroom. All other plumbing to other fixtures in the building should be sealed off in the best manner possible without disturbing historic fabric. Traps may be plugged to prevent escape of gas into the room. Water should be cut and plugged at the branch takeoff if possible.

Fire Protection

Fire protection for this building is provided at present with an exposed sprinkler system. This system intrudes severely into the historic appearance of the building. A water suppression system is also inappropriate for use in an historic building since water would damage or destroy historic fabric and furnishings.

There are several options for protection of the building in lieu of the sprinkler system. These must be analyzed carefully since there are both technical and economic drawbacks to consider.

a. Engineered Halon System. This system may be the most desirable system from a technical viewpoint since it will provide excellent fire suppression when activated by ionization smoke detectors. This system will have a rapid response thus assuring application of the Halon fire suppressant at an early stage and minimizing any damages. The Halon system also is relatively non-toxic providing that persons exposed leave the premises within several minutes time. Drawbacks to the system include high costs, some destruction of historic fabric and the necessity to close the protected space at time of discharge to prevent loss of Halon from the space. The cost factor may very well be the most serious drawback since a system for this building, with centralized Halon storage, distribution piping, nozzles, and detection system (including a fire) will cost in excess of $100,000, not to mention relatively high maintenance costs. The necessity for piping the Halon from the tanks to the various points of use will cause some cutting of historic fabric since nozzles must be located in the various rooms and spaces to be protected. Necessity for closing off the building to prevent Halon leakage would be of lesser concern since it is also desirable to do this for HVAC and energy purposes. However, exit doors would have to be closed after people leave the building during a fire emergency.

b. Packaged Halon Systems. These systems are self-contained automatic units consisting of a storage tank, nozzle and a rate of rise heat detector. The response of this system will be considerably slower than with the engineered system, primarily due to the use of a heat detector rather than ionization detectors. This will result in the destruction of a greater amount of historic fabric before the Halon is released. The units can be interconnected so that activation of one unit will activate the others.

These units can also be provided with ionization smoke detectors to give an alarm but not to activate the units. To provide complete fire protection for this building with package Halon units would cost approximately $80,000 to $120,000. Installation of these units would not require destruction of historic fabric. However, they would be visually intrusive. It would be possible, however, to strategically locate the units so that they would not be visible from the normal viewing positions of the visitors. It would also be necessary to provide for closing of exit doors during emergencies.

c. Combined Systems. Many combinations are possible. However, CO_2 foam and dry chemical systems may be eliminated from consideration for the following reasons: Cost of CO_2 would equal or exceed that of Halon for equal protection and it would be more hazardous to any people trapped in the space at the time of discharge. Foam also is a costly system which would be more applicable to fire at first floor level than any other type. Dry chemical systems require an excessive amount of piping and nozzles to provide total protection, thus increasing the cost and causing excessive intrusion of the spaces. The only type of system left for consideration would be a combination system using packaged Halon units and water sprinklers. The Halon units would be used to protect the rooms

with historic furnishings and possibly the halls and stairwells. Water sprinklers would be used in the remainder of the building. Consideration could be given to protecting the halls and stairs with sprinklers as well, to cut total system costs. In such a system we could utilize the existing sprinkler system, replacing any defective or obsolete heads and making other repairs necessary. We could then remove heads and plug the openings in the spaces to be protected by Halon. However, caution should be exercised in the combined system of Halon and water because of the toxic fumes produced when the chemical and oxygen mix.

d. Water Sprinkler System (existing). We might take the viewpoint that the water sprinkler system is the lesser of two evils as far as damage to historic furnishings is concerned. In other words, water damage might be preferrable to complete destruction by fire. The only costs incurred with this system would be to inspect it and repair sprinkler heads in the most critical areas with recycleable heads which could limit water damage by shutting off when the fire is extinguished. The other drawback to this system is the fact that being an exposed system it is quite intrusive.

e. Partial System. This system would provide automatic extinguishing systems only for those areas where historic furnishings are to be located and for hallways and stairs. Other areas would be equipped with manually operated extinguishers, hose cabinets, etc. and the basement could be protected with a water sprinkler system, perhaps a portion of the existing system.

f. No Automatic Suppression System. If good housekeeping practices are used and the building is provided with smoke detection and intrusion alarms and if smoking is prohibited and plexiglass double glazing is added, the fire hazard can be kept very low.

g. All of the above alternative systems should be supplemented with an ionization detection system capable of initiating an alarm and a telephone dialer to a location which is manned at all times. Intrusion alarms should also be provided to prevent vandalism. Because of the extremely high costs of the best systems, it is recommended that an administrative selection be made of the system to be used.

C. Electrical

Electrical power is provided by an overhead secondary circuit extending about 600 feet from the opposite side of the street. A major factor in voltage fluctuation problems experienced in the building is this distance. The service is attached to the rear of the building in two places with open wiring running to weatherheads.

The electric service terminates in two fuse panels and multiple subpanels and disconnects which are in poor condition (corroded). Some of the fuse panels in the house show signs of heat damage. Branch wiring is primarily BX (flexible metal-sheathed wiring) installed 10-15 years ago. While not in extremely bad condition, the entire system is run with no apparent order with no labeling or load information available.

Lighting is generally in poor condition with a variety of old incandescent and fluorescent fixtures are installed throughout the build-

ing. There are many rooms with ceiling fixtures missing and the wire hanging out of the junction boxes.

The existing receptacles are installed in the baseboard of each room and date from the 1920s onward. Telephone outlets were installed throughout the building during the 1960s.

The electric service should be replaced with a padmount transformer and underground cable. The transformer and meter should be located near the property line where it can be hidden. All overhead power and telephone lines and poles should be removed.

The service panels should be replaced with a single main panel, and sub-panels located on each floor if required. All subpanels should be concealed in closets or non-public areas. Branch circuits should be in concealed conduit.

Existing receptacles should be removed from rooms and maintenance receptacles installed in closets and non-public areas, except for the information and display area requirements.

All telephone wiring and outlets should be eliminated except for a phone to be installed on the third floor.

Lighting should be replaced for the most part to match the period of preservation, both interior and exterior. Additional lighting for display or security may be required. Wherever additional lighting is used it should be indirect or concealed if possible. In general, minimal lighting or renovation will be necessary on the third floor, since this is not intended as visitor space. Rewiring of all required branch circuits and lighting will be necessary.

Lightning protection, intrusion detection on the ground floor and fire detection systems should be installed.

V. Recommended Preservation Program

A. Introduction

As outlined in the General Management Plan and the Interpretive Prospectus, The Oaks is to serve in the interpretation of the domestic aspects of the life of Booker T. Washington. Consistent with that, the recommendations are proposed for the first and second floors to be preserved in an accurate depiction of those areas as they appeared during the lifetime of Dr. Washington, the third floor and basement to remain essentially unaltered with the exception of a bathroom and lounge on the third floor, and the exterior to be preserved as it appeared prior to 1915 with the exception of the verandas, which are proposed to retain their later concrete floors.

To accomplish the above objectives a number of alterations are proposed, none of which are major in nature, although some, such as repainting are large in scope. The proposed changes fall into two basic categories. The first category is the removal of later, visually intrusive elements installed in 1957, such as the fire suppression system, the flourescent lighting fixtures, a partition wall between the dining room and its addition, and the reception area in the first floor front hall. The second category is the repair and upgrading of deteriorated historic fabric such as the plaster walls and ceilings, the wood eaves and cornices, and the brick masonry walls and the cosmetic upgrading of the house as in repainting, plus the installation of protection systems for the continued preservation of the house. These protective systems include fire detection and suppression, intrusion detection and alarm, and shutters on the interiors of the windows, a now-missing historic feature, which serve to block the harmful untraviolet rays of the sun from damaging the historic fabric and finishes and those items used in the refurnishing of the rooms. The alternative to shutters is plexiglas ultraviolet filters which present an intrusion on the historic scene, plus being more expensive. Ultraviolet films on the glass surface are expensive, have a life of only ten years, and often result in scratching of the historic glass surfaces when removed for replacement. The existing mechanical and electrical systems are proposed for replacement as neither are adequate for their intended function and, in the case of the heating system, are actually promoting deterioration of the historic fabric. For energy conservation, insulation of the attic and crawlspaces is recommended. The roof is recommended for replacement primarily because of its extreme visual impact and the fact that the category of significance of the building is 1.a. It is funtionally adequate and could be retained until the end of its functional life, at which time it could be replaced by an historically accurate roof. The close interactions of Regional and Park personnel will be required in overseeing the replacement.

The lists of the recommended work are divided into two major sections, dealing with the exterior and the interior, respectively. Proposed work is listed by basic category with a brief explanation. In the section following the lists of recommended work is given a series of alternatives to some of the recommended work. The alternatives have been limited to those recommendations for which reasonable alternatives can be offered. Some of the recommendations (e.g. painting) have as their only alternative no work. These alternatives have not been listed to avoid redundancy and wasted effort.

All recommendations for the treatment of the building were made by the authors in consultation with the staffs of the Denver Service Center,

Harpers Ferry Center, Southeast Regional Office, and the Park.

B. Proposed Alterations

The recommendations which are proposed for the development of The Oaks conform to the overall effort to interpret the house as it appeared during the lifetime of Booker T. Washington. As a result, the recommendations have been prepared with the end in view of preserving the exterior and the interior first two floors as they appeared during his lifetime. For a detailed list of specific recommendations, the reader is advised to consult the itemized tables. The following recommendations are given by generally types of work proposed and may not include some small areas which are listed in the tables.

Exterior recommendations include the following:

1. The brick masonry chimneys and walls are in need of minor repointing. In some areas the walls have been repointed with an incorrect mortar. Rather than remove the mortar and further damage the masonry, it is recommended that the repointing be limited only to those areas of mortar loss.

2. Because of gutter problems, the eaves and cornices are rotting. Following correction of the gutter problem, the eaves and cornices should be repaired and repainted.

3. The window sash are in need of repair. Following repair, they should be repainted with their frames. The screen sash which remains on some of the windows should be removed and stored.

4. One basement window frame and sash must be replaced. Following replacement, they should be painted as the woodwork of all windows.

5. The veranda woodwork is experiencing rotting in some areas. It should be repaired as needed and all the woodwork should be repainted.

6. The rear porches were altered significantly in 1929 and 1957. It is recommended that the later wall infill be removed and screens and doors be replaced.

7. The front second-floor porch is experiencing rotting which is being hidden under a tar paper floor and sheet metal siding. It is recommended that the tar paper and sheet metal be removed, the floor and walls repaired and altered to conform to their historic appearance, and that all be repainted.

8. The flooring of the verandas and the dining room addition porch is not historic. However, it is recommended to be retained primarily from a functional and maintenance standpoint. The missing iron pipe railing of the dining room addition porch should be replaced.

9. The water fire suppression system which runs along the ceilings of the porches and verandas should be removed along with the floodlights.

10. A mechanical lift should be installed at the porte cochere to permit handicapped access to the veranda floor and thence to the house.

11. The existing metal shingle siding is rusting and faces a relatively short lifespan. It is historic and should be replaced by matching new siding painted red to match the brick masonry.

12. The unpainted aluminum shingle roof is probably the greatest non-historic visual intrusion on the exterior. It should be replaced with a metal shingle roof on the main house and verandas painted red and standing seam metal roofing on the ell, dining room addition, and rear porch roofs, also painted red.

13. The gutters and downspouts are in poor condition and should be replaced, as none are historic at the present time.

14. All the wood trimwork of the exterior should be painted dark brown as during the historic period.

Recommendations for work on the interior are as follow:

1. The existing water fire suppression system present probably the greatest interior visual intrusion. It should be removed and a new, hidden fire detection and suppression system installed.

2. A new intrusion detection and alarm system should be installed as there is none in the house at the present time.

3. The radiator system is a non-historic intrusion which is contributing to the deterioration of the building fabric. It should be removed and replaced with a new HVAC system for hallway, stairway, and den areas.

4. The existing flourescent lights represent a visual intrusion on the first and second floors. They should be removed, along with the non-historic metal fixtures, new wiring installed, and new historic fixtures hung.

5. The third floor bathroom should be converted for use of the staff with modern fixtures as the existing fixtures have reached the end of their life.

6. The hall bathrooms of the first and second floors should be repaired and preserved to their original condition. The remaining two second-floor bathrooms should remain essentially as they are now.

7. Energy conservation should be accomplished with the installation of insulation in the attic and basement areas.

8. The existing venetian blinds should be removed and historical interior wood shutters installed on all windows except the basement windows and the two elliptical windows of the north bedroom of the third floor.

9. The plaster walls and ceilings should be repaired and repainted.

10. One plywood and two gypsum board ceilings should be removed and replaced with new plaster ceilings matching the historic ceilings.

11. The flooring of the first and second floors should be repaired and refinished with a dark finish in lieu of the very light non-historic finish now in place.

12. The stairways are in need of minor repair and refinishing.

13. The woodwork is also in need of minor repair and general refinishing. First and second-floor woodwork now painted should be stripped and revarnished.

14. The fireplaces in the parlor, study, and dining room should be rebuilt as they appeared during the historic period. As they now stand, they are experiencing settlement problems and would need repair if they were not to be rebuilt. The mantel now in the trunk room should be moved to the dining room fireplace and new mantels should be constructed from historic prototypes and photographs for the parlor and study. Coal grates and covers should be replaced where they are now missing.

15. The non-historic partition wall separating the dining room from its addition should be removed.

16. The frieze murals in the parlor, study, dining room, and dining room addition should be restored by an art conservator.

17. A lounge should be created for the staff in the west bedroom of the third floor. It should be carpeted and receive repair of the walls and ceiling with repainting.

18. Historical walls should be built enclosing the east and north sides of the guest room closet and a new historical doorway, transom, and door should be installed in its south wall where the original doorway once was.

19. A new historical door should be installed between the dining room and pantry.

20. Non-historic shelving should be removed from the guest room, boys' bedroom, and Margaret M. Washington's bedroom and the doors to the bathrooms there made operable.

21. The doorway opening from the den onto the den porch was installed during its restoration in 1957 probably to facilitate visitor access. It should be removed and replaced with a new historical window.

C. Alternative Proposals

Alternative recommendations for work at The Oaks fall into three basic categories. They are the roofing, gutter, and downspout systems, the fire suppression systems, and handicapped problems.

There are two basic alternative solutions to replacing the roof and gutter system. The first is to retain the existing roofing and to repair the gutters and downspouts. This has the distinct advantage of being inexpensive, but the distinct disadvantage of maintaining a severe visual intrustion. The second alternative is to retain the existing roofing, etch it with acid, and repaint it red, as well as to repair the gutter system. This would serve to mollify the visual intrusion of the aluminum roof. However, there is a serious potential for lasting damage to the brick masonry walls and woodwork by the acid.

Six fire suppression systems should be considered for use in The Oaks. A new engineered Halon system is an ideal system for protection of the building and its historic furnishings. However, it is extremely expensive and probably could not be included within the work for that reason. A packaged Halon system is even more expensive and is less desirable than an engineered system. A combined water and halon system would be considerably less expensive. Howeyer, the beneficial effect of the Halon system in protecting the furnishings would be offset by the deluge of water from the upper floors. Reuse of the existing system, having its exterior portions removed, would be acceptable only from a cost and function standpoint. As stated elsewhere, it presents the greatest single visual intrusion in the interior. A partial system would be less expensive than a full Halon system, but more expensive than a combined system. The disadvantage is that the unprotected areas could burn rapidly enough so that the protected areas would also be destroyed. Given the choice of having the protected areas destroyed by water in a combined system or by fire in a partial system, one might decide to go with no system at all. No system at all would mean the removal of the existing system and a savings in money.

Accommodation of the handicapped falls into two areas. One is the provision of access to the interior for the handicapped. If a lift is not used, there are four other basic alternative choices. One is to install an interior elevator from the basement to the second floor. The high cost and the adverse impact on the historic fabric are the great disadvantages of this, otherwise ideal system. A simple ramp could be installed at the porte cochere rather than a lift. This would be less expensive, but also would present more of a visual intrustion. An even greater visual intrusion would be a ramp along the west side of the rear ell, as well as having a greater cost. Its advantage would be that it would be hidden from the sight of normal visitors. In terms of visual impact and cost, an intermediate solution would be constructing a ramp at the south side of the dining room addition. The second area of consideration for the handicapped is the provision of bathroom facilities. The only feasible location that would not impinge on the historic scene would be in the basement with access from the exterior rear door. Considering the need for bathroom facilities, it is believed that the relatively high cost is not justified nor is the inconvenience of a basement location.

D. Rejected Alterations

The following items have been eliminated from consideration as part of the development program for the following reasons:

1. Reconstruction of the conservatory. The only information on hand about the conservatory that once filled the corner south of the dining room addition and east of the pantry, consists of an exterior photograph taken in 1905. There is virtually no evidence in the architectural fabric except for holes in the wall for the floor framing. Archeological investigation has not been undertaken in the ground below the former location of this room. Therefore, any reconstruction would involve a large degree of conjecture, unless further evidence is discovered.

2. Reconstruction of the gazebo. Photographs and drawings for an octagonal Rustic style gazebo exist. The building could, therefore, be reconstructed with a minimum of conjecture. However, because it has been

considered as part of the grounds and beyond the scope of the main building, its treatment has been included as part of the Historic Landscape Report.

3. Reconstruction of the wellhouse. Good photographs of this structure survive. However, no drawings survive. Thus, reconstruction would involve a certain amount of conjecture. That fact, plus its inclusion as part of the grounds, has placed it outside the scope of the proposed work.

4. Reconstruction of the carriage house. One photograph, taken ca. 1905, survives of the rear of this large structure. No plans survive, thus making reconstruction virtually impossible. As part of the grounds, it should be treated as such, perhaps by outlining its foundation plan as an interpretive device.

5. Restoration of the tool shed. This structure is the only service structure to have survived on the grounds. It is far beyond repair, however, and should be removed as a safety hazard. Like the above-mentioned structures, it is not recommended for reconstruction as it is considered part of the grounds.

E. Evaluation of Effect

The proposed preservation work at The Oaks, a National Register property by virtue of its inclusion within the boundaries of the Tuskegee Institute National Historic Site, is in compliance with the 1966 Historic Preservation Act. On August 1, 1977, the Advisory Council on Historic Preservation concurred with a determination of "No Adverse Effect" for the preservation work made by the National Park Service pursuant to the provisions in 36 CFR 800.4.

F. Cost Estimate February, 1979

Exterior Recommendations

Proposed Treatment	Estimated Cost
Repoint brick masonry (about 10%)	5,372
Repair eaves and cornices and repaint	4,000
Repair windows and repaint, remove screen sash	10,500
Repair veranda woodwork and repaint	3,132
Repair rear porches and repaint	2,428
Repair front second-floor porch and repaint	2,644
Install dining room addition porch railing	400
Remove exterior fire suppression system	200
Install handicapped access at porte cochere	5,000
Install new metal shingle siding and paint	4,000
Install new metal shingle roofing and paint	20,000
Install standing seam metal roofing and paint	7,580
Replace gutters	6,000
Replace downspouts	3,780
Miscellaneous exterior painting (doors, hoods, etc.)	1,500
Total	$75,836

Interior Recommendations

Proposed Treatment	Estimated Cost
Remove and replace fire suppression and detection	55,300
Install intrusion detection and alarm system	10,582
Remove radiator system and install new HVAC system	17,690
Rewire and install new (historical) light fixtures	41,272
Remodel third-floor bathroom for staff use	3,000
First and second floor bathroom repair	15,000
Attic and basement energy conservation (insulation)	5,048
Install interior window shutters	7,750
Repair and repaint plaster walls and ceilings	46,462
Install three new ceilings	3,375
Repair and refinish flooring	8,844
Repair and refinish stairways	3,000
Repair and refinish woodwork (window casings, door casings, wainscoting, baseboards, etc.)	13,651
Rebuild three fireplaces using two new mantels and one existing mantel	5,500
Repair and refinish remaining fireplaces	3,000
Remove partition wall between dining room and add.	1,000
Restore first floor frieze murals	10,000
Carpet third-floor interpreters' lounge	450
Install one new door casing, one transom, two doors	1,500
Install two walls for guest room closet	3,000
Replace den door with window	1,600
Historical material (allowance)	38,000
Mobilization costs	30,000
Total	$325,024
Grand Total	$400,860

Alternative Proposals

Proposed Treatment	Estimated Cost
Alternative solutions to reroofing	
1. Leave existing roofing	0
Repair gutters and downspouts	9,780
2. Leave existing roofing, acid etch and repaint	5,516
Repair gutters and downspouts	9,780
Alternative fire suppression systems	
1. New engineered Halon system	120,000
2. Packaged Halon system	140,000
3. Combined systems (Halon in rooms with artifacts - sprinklers elsewhere)	45,000
4. Reuse existing system, remove exterior portions	1,000
5. Parital system	50,000
6. No suppression system	5,000
Alternative solutions to handicapped problems	
1. Interior elevator from basement to second floor	50,000
2. Ramp at porte cochere	1,000
3. Ramp along west side of rear ell	10,000
4. Ramp at south side of dining room addition	7,000
5. Install handicapped bathroom in basement room	15,000

Appendix I - Paint Analysis

A. Introduction

During August of 1978 David Arbogast collected over 180 samples of the paint of The Oaks. These samples were analyzed by him at the Denver Service Center to determine such things as the historic colors, finishes, and relative ages of items associated with the paint samples.

Laboratory analysis of the samples consisted of visually color-matching the samples using an optical Bausch and Lomb microscope having magnification between seven and thirty power and the Munsell System of Color. Natural north light was used for color matching. All paint colors are described using Munsell coordinates. No Munsell coordinates have been given for the varnish finishes because of the extreme difficulty in determining an exact color for a material in which color is directly related to both thickness and light intensity as they relate to translucency.

Munsell's original Atlas of the Munsell Color System (1915) presents color with three attributes: the hue or color, the chroma or color saturation, and the value or neutral lightness or darkness. All three color attributes were combined by Munsell into the color fan (1947) which is composed of the neutral gray axis, the hues radiating from the center like spokes of a wheel with the color increasing outward.

The hue notation, the color, indicates the relation of the sample to a visually equally spaced scale of 100 hues. There are ten major hues, five principal and five intermediate within this scale. The hues are identified by initials indicating the central member of the group: red R, yellow-red YR, yellow Y, green-yellow GY, green G, blue-green BG, blue B, purple-blue PB, purple P, and red-purple RP. The hues in each group are identified by the number 1 to 10. The most purplish of the red hues, 1 on the scale of 100, is designated as 1R, the most yellowish as 10R, and the central hue as 5R. The hue 10R can also be expressed as 10, 5Y as 25, etc. - if a notation of the hue as a number is needed.

Chroma indicates the degree of departure of a given hue from the neutral gray axis of the same value. It is the strength or saturation of color from neutral gray, written /0 to /14, or further for maximum color saturation.

Value, or lightness, makes up the neutral gray axis of the color wheel,

ranging from black, number 1, to white at the top of the axis, 10. A visual value can be approximated with the help of the neutral gray chips of the Rock or Soil Color Chart with ten intervals. The color parameters can be expressed with figures semi-quantitatively as: hue, value/chroma (H,V/C). The color "medium red" should serve as an example for presentation with the three color attributes, 5R 5.5/6. This means that 5R is located in the middle of the red hue, 5.5 is the lightness of the Munsell value near the middle between light and dark, and 6 is the degree of the Munsell chroma, or the color saturation, which is about in the middle of the saturation scale.

The discussion of the samples has been divided into basic surfaces covered (e.g. exterior trimwork walls, ceilings, etc.). These divisions are further subdivided into sets of samples generally relating to each other primarily in terms of the historic finish used. Thus, although the present paints used on the exterior trimwork vary from one another, their historic finish is identical and they are discussed as a group. The numbering system used with the samples relates to an order which follows generally the numbering of the rooms and exterior areas. Thus, for the present discussion, the numbers are not in sequential order, but have been provided as a basic reference to the worksheet prepared for each sample in the analysis. These worksheets are at the Denver Service Center and can be consulted as needed, although virtually all of their information is contained within the discussion.

In determining which finish was the historic finish used several basic decisions were made. The first was to define the historic period, in terms of paint colors, as being that closest to or before 1915 when Dr. Washington died. These are the finishes which have been included in the itemized tables of the main body of the report.

The analysis cannot be considered complete as it can always be expanded both in terms of numbers of paint samples and in terms of types of analysis employed. For example, such analyses as pigment and medium identification, spectrophotometric identification, and ultraviolet alteration identification were not conducted because of time and fiscal considerations. Thus, the present study, although not entirely thorough, is felt to be adequate for the purposes of the Historic Structure Report.

B. Exterior Trim Paint

Sample No.	Location	Layers	Munsell No.
143	Ceiling of P1 (Front Porch)	Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
		Brown	5YR 4/3
		Brown	2.5YR 2/4
		Brown	2.5YR 3/3
146	Ceiling Cornice of P2 (Entry Porch)	Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
		Light green	10GY 8/4
155	Ceiling of P5 (Bathroom Porch)	Light green	10GY 8/2
		Light green	10GY 8/2
		Light green	5G 7/4
		Light green	7.5GY 8/4
		Light green	7.5GY 8/4
		Brown	7.5YR 3/4
		Brown	5YR 2/4
156	Upper Wall of P5 (Bathroom Porch)	Light green	10GY 8/2
		White	N 9.0/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
		Brown	5YR 2/4
158	Door Frame to Room 112 (Breakfast Room) from P6 (Kitchen Porch)	Light green	10GY 8/2
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	7.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
159	Door Frame to Room 113 (Kitchen) from P6 (Kitchen Porch) - Exterior Frame	Light green	10GY 8/2
		White	N 9.0/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
		Brown	5YR 2/4
160	Door Frame to Room 113 (Kitchen) from P6 (Kitchen Porch - Interior Frame	Light green	10GY 8/2
		Light green	5G 7/4
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
		Brown	2.5YR 2/4
167	Ceiling of P7 (Balcony Porch)	Light green	10GY 9/2
		Light green	10G 9/1
		Light green	10G 8/1
		Light green	10G 5/2
		Light green	10G 7/4
		Light green	7.5GY 7/4
		Brown	7.5Y 3/4
		Brown	2.5Y 2/4

It is evident from the above samples that those surfaces which are painted light green at present were painted brown during the historic period. White and light green are the standard exterior trim colors used on Tuskegee Institute buildings. It is likely that the first use of these colors on The Oaks occured following acquisition by the Institute in 1925. The samples can be considered quite reliable, having, in most cases, an intact set of paint layers which is a credit to the relatively high level of maintenance performed on the house since its construction.

Sample No.	Location	Layers	Munsell No.
142	Window Frame of P1 (Front Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
144	Interior Face of Exterior Beam of P1 (Front Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/2
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4
145	Main Entrance Door Frame of P2 (Entry Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4
147	Column of P2 (Entry Porch)	White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Brown	2.5YR 3/4
		Brown	5YR 3/2
		Brown	7.5YR 3/2
148	Eaves of P3 (Side Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	10YR 3/1
		Brown	2.5YR 3/4
149	Rail of P3 (Side Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
150	Window Frame of P3 (Side Porch	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4
151	Baluster of P4 (Rear Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	N 9.0/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
153	Lower Rail of P4 (Rear Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
154	Exterior Framing of P5 (Bathroom Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	N 9.0/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
		Brown	5YR 2/4
157	Exterior Frame of Room 113 (Kitchen) Window in P6 (Kitchen Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		Brown	7.5Y 3/4
161	Upper Ceiling of P6 (Kitchen Porch)	White	N 9.5/
		White	N 9.5/
		Light green	10GY 8/4
		Light green	10G 7/4
		Light green	5G 7/4
		Brown	2.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
162	Clerestory Wall of P6 (Kitchen Porch)	White	N 9.5/
		Light green	10GY 8/4
		White	N 9.5/
		White	N 9.5/
		White	N 9.0/
		White	5Y 9/1
		Brown	7.5YR 3/4
		Brown	7.5YR 2/4
163	Lower Ceiling of P6 (Kitchen Porch)	White	N 9.5/
		White	N 9.5/
		Light green	10GY 8/4
		Light green	10GY 9/2
		Light green	10GY 8/4
		Light green	10GY 8/4
		Brown	7.5YR 2/4
		Brown	2.5YR 3/4
164	Column of P7 (Balcony Porch)	White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Brown	7.5YR 2/4
		Brown	2.5YR 2/4
165	Parapet Wall Cap of P7 (Balcony Porch)	White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 8/1
		Brown	2.5YR 2/4
		Brown	2.5YR 2/4
166	Window Frame of P7 (Balcony Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	7.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
169	Roof Eaves at P7 (Balcony Porch)	White	N 9.5/
		White	N 9.5/
		White	N 8.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	N 8.0/
		Blue-green	5BG 3/2
		Brown	7.5YR 3/4
		Brown	2.5YR 2/4
171	Door Frame of P8 (Bathroom Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 8.5/
		White	5Y 9/1
		White	N 8.5/
		White	N 8.5/
		White	N 8.5/
		Brown	2.5YR 3/2
172	Clapboard Siding in P8 (Bathroom Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Brown	2.5YR 3/2
		Brown	7.5YR 3/4
173	Window Frame of P8 (Bathroom Porch)	White	N 9.5/
		White	N 9.5/
		White	N 8.5/
		White	N 9.5/
		White	N 8.5/
		White	5Y 9/1
		Blue-green	5BG 3/2
		Brown	7.5YR 3/4
		Brown	2.5YR 2/4

Sample No.	Location	Layers	Munsell No.
174	Chamfered Post in P8 (Bathroom Porch)	White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	N 8.5/
		White	N 8.0/
		White	N 8.0/
		Brown	2.5YR 2/4
		Brown	7.5YR 3/4
175	Ceiling of P8 (Bathroom Porch)	White	5Y 9/1
		Light green	10G 8/2
		Light green	10G 8/2
		Light green	10GY 8/4
		Brown	2.5YR 3/2
		Brown	7.5YR 3/4
176	Ceiling Beam of P8 (Bathroom Porch)	White	5Y 9/1
		Light green	10G 8/2
		Light green	10G 8/2
		Light green	10GY 8/4
		Brown	2.5YR 2/4
		Brown	7.5YR 3/4
178	Door Frame to Room 214 (Den Entry) from P9 (Den Porch)	Yellow	2.5Y 8/6
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
179	Clapboard Siding in P9 (Den Porch)	Yellow	2.5Y 8/6
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Brown	2.5YR 2/4
		Brown	2.5YR 3/4

Sample No.	Location	Layers	Munsell No.
180	Door Frame to Room 215 (Den) from P9 (Den Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		Brown	2.5YR 2/4
		Blue-green	5BG 3/2
		Brown	2.5YR 3/4
181	Upper Wall Beaded Boards of P9 (Den Porch)	Yellow	2.5Y 8/6
		White	N 9.5/
		White	5Y 8.5/1
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		Brown	2.5YR 2/4
		Brown	2.5YR 3/4
182	Ceiling of P9 (Den Porch)	White	5Y 9/1
		Light green	10G 8/2
		Light green	10G 8/2
		Light green	10GY 8/4
		Brown	2.5YR 2/4
		Brown	2.5YR 3/4
183	Ceiling Beam of P9 (Den Porch)	White	5Y 9/1
		Light green	10G 8/2
		Light green	10G 8/2
		Light green	10GY 8/4
		Brown	2.5YR 2/4
		Brown	2.5YR 4/2

From the above samples it is evident that, like the areas painted light green at present, those areas which are painted white were historically painted brown. Apparently prior to 1925 certain areas, such as door and window frames and the eaves, were painted dark blue-green, as seen in samples 158, 142, 145, 148, 150, 166, 169, 173, and 180. It is likely that as of 1915 all of the above-sampled woodwork was painted brown. Some of the elements of the rear porch (P4) railing appear to have been replaced by the Institute, as indicated by sample 153. The highly exposed position of the porch to weathering probbably necessitated this action. The reliability of the samples is surprisingly high despite the fact that they were exposed to exterior weathering conditions.

Sample No.	Location	Layers	Munsell No.
152	Screen Sash from P4 (Rear Porch)	White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
		White	N 9.5/
168	Screen Door at P7 (Balcony Porch)	White	N 9.5/
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1

The above two samples indicate that the screen sash and doors are not historic. The possibility exists that they may have been stripped of their original paint by the Institute and repainted. This is not likely as there is no other area of the house in which the paint was stripped. The samples, because of their protected location, are as reliable, if not more, than other exterior paint samples.

Sample No.	Location	Layers	Munsell No.
170	Floor of P8 (Bathroom Porch)	Brown	5YR 4/1
		Brown	6.5YR 5/5
		Brown	6.5YR 5/5
		Brown	10R 3/1
		Gray	5B 4/1
		Gray	N 6.0/
		Brown	2.5YR 3/2
177	Floor of P9 (Den Porch)	Brown	5YR 4/1
		Brown	6.5YR 5/5
		Brown	6.5YR 5/5
		Brown	10R 3/1
		Gray	5B 4/1
		Gray	N 6.0/
		Brown	2.5YR 3/2

The two samples taken from the porch flooring reveal a succession of layers probably dating to the period in which they were altered with the addition of the den (room 215). It is therefore likely that the porch floors were painted brown in 1915. The same paint was probably used on the floors of the balcony porch (P7), the breakfast room (room 112), and the kitchen (room 113).

In conclusion, it can safely be said that all exterior woodwork of The Oaks was painted a uniform brown during the historic period. Further corroboration of this can be seen in the historic photographs which depict a dark-toned paint used on the exterior. The photographs also show a complete abscence of window screen sash and screen doors, verifying the conclusion reached from the screen sash and door paint samples.

C. Interior Woodwork Finishes

Sample No.	Location	Layers	Munsell No.
26	Door Frame from Room 107 (Guest Room) to Room 110 (Bath)	White	N 9.0/
		Light green	5G 9/2
		Cream	2.5Y 8/2
		Dark varnish	-----
36	Window Mullion in Room 111 (Pantry)	Off-white	10Y 9/2
		Light blue	5B 8/4
		Dark varnish	-----
37	Door Frame from Room 111 (Pantry) to Room 105 (Dining Room)	Off-white	10Y 9/2
		Light blue	5B 8/4
		Light varnish	-----
		Dark varnish	-----
40	Window Mullion in Room 112 (Breakfast Room)	Off-white	10Y 9/2
		White	N 9.0/
		Light blue	5B 8/4
		Dark varnish	-----
41	Door Frame from Room 112 (Break- to Room 113 (Kitchen)	Off-white	10Y 9/2
		White	N 9.0/
		Light blue	5B 8/4
		Light varnish	-----
		Dark varnish	-----
56	Fireplace Mantel in Room 201 (Portia's Bedroom)	Light green	2.5G 8/3
		White	N 9.5/
		Gray-green	5G 8/1
		Light green	2.5G 8/2
		Dark varnish	-----
57	Baseboard in Room 201 (Portia's Bedroom)	Light green	2.5G 8/3
		White	N 9.5/
		Gray-green	5G 8/1
		Light green	2.5G 8/2
		Dark varnish	-----
51	Window Mullion in Room 203 (Shower)	Gray	N 8.0/
		Light green	7.5GY 8/2
		White	N 9.5/
		Cream	5Y 9/3
		Dark varnish	-----

Sample No.	Location	Layers	Munsell No.
52	Door Frame from Room 203 (Shower) to Room 201 (Portia's Bedroom)	Gray	N 8.0/
		Light green	7.5GY 8/2
		White	N 9.5/
		Cream	5Y 9/3
		Dark varnish	-----
64	Small Door near Fireplace in Room 204 (Margaret Murray Washington's Bedroom)	Blue-green	2.5BG 8/3
		White	N 9.5/
		Pink	5R 6/4
		Dark varnish	-----
65	Door Frame from Room 204 (Margaret Murrary Washington's Bedroom) to Room 211 (Booker T. Washington's Bedroom)	Blue-green	2.5BG 8/3
		Pink	5R 6/4
		Light pink	5R 9/2
		Tan	2.5Y 7/4
		Green	10G 7/1
		Dark varnish	-----
88	Baseboard in Room 208 (Boys' Bedroom)	Blue	10BG 8/3
		White	N 9.5/
		Gray	5Y 7/1
		Peach	2.5YR 8/4
		White	N 9.5/
		Dark varnish	-----
89	Cornerboard in Room 208 (Boys'	Blue	10BG 8/3
		Gray	N 8.0/
		White	N 9.5/
		Gray	5Y 7/1
		Peach	2.5YR 8/4
		Dark varnish	-----
77	Baseboard in Room 211 (Booker T. Washington's Bedroom)	Off-white	10YR 8/1
		Pale green	5G 9/2
		Light lavender	5PB 8/2
		Blue	5B 8/3
		White	N 9.5/
		Dark varnish	-----
78	Door Frame from Room 211 (Booker T. Washington's Bedroom) to Room 212 (Bath)	Off-white	10YR 8/1
		Pale green	5G 9/2
		Light lavender	5PB 8/2
		Blue	5B 8/3
		White	N 9.5/
		Dark varnish	-----

Sample No.	Location	Layers	Munsell No.
125	Elliptical Window Frame in Room 301 (North Bedroom)	Light yellow	5Y 8/5
		Light blue	5B 7/2
		Light blue	5B 7/2
		Dark varnish	-----
129	Molding below Window Sill of Room 304 (East Bedroom)	Light yellow	5Y 8/5
		Gray	N 7.0/
		Pink	2.5R 8/4
		Dark varnish	-----
133	Door Frame from Room 309 (West Bedroom) to Room 303 (Hall)	Off-white	5Y 9/2
		White	N 9.5/
		Light green	2.5G 9/2
		Dark varnish	-----
140	Door Frame from Room 310 (Bathroom) to Room 311 (South Attic)	Pale green	5GY 9/2
		White	N 9.5/
		Off-white	10YR 9/2
		Off-white	10YR 9/1
		Dark varnish	-----

As seen in the above samples, the woodwork of the main rooms of The Oaks, now painted, was finished with a dark, glossy varnish during the historic period. The number of layers and their colors give clear evidence that they were added by the Institute, probably in 1957. It is suggested that the reader compare these samples with those removed from the walls, as there exists a strong correlation between the two sets of samples.

Sample No.	Location	Layers	Munsell No.
4	Picture Molding in Room 102 (Parlor)	Aluminum	-----
		Gold	-----
		Silver	-----
		White	N 9.5/
7	Picture Molding in Room 103 (Study)	Aluminum	-----
		Gold	-----
		Silver	-----
		White	N 9.5/
10	Picture Molding in Room 104 (Front Hall)	Light green	5GY 8/2
		Off-white	7.5Y 9/2
		White	N 9.5/
		Gold	-----
		Silver	-----
		White	N 9.5/

Sample No.	Location	Layers	Munsell No.
17	Picture Molding in Room 105 (Dining Room)	Aluminum	-----
		Gold	-----
		Silver	-----
		White	N 9.5/
14	Picture Molding in Room 106 (Dining Room Addition)	Aluminum	-----
		Gold	-----
		Silver	-----
		White	N 9.5/
27	Picture Molding in Room 107 (Guest Room)	Off-white	N 9.0/
		White	N 9.5/
		Off-white	N 9.0/
		Gold	-----
		Silver	-----
		White	N 9.5/
22	Picture Molding in Room 109 (Rear Hall)	Light green	5GY 8/2
		White	N 9.5/
		Off-white	7.5Y 9/2
		Gold	-----
		Silver	-----
		White	N 9.5/
42	Picture Molding in Room 112 (Breakfast Room)	Off-white	10Y 9/2
		Light blue	5B 8/4
		Off-white	10Y 9/2
		Aluminum	-----
		Gold	-----
		Silver	-----
60	Picture Molding in Room 201 (Portia's Bedroom)	Light green	2.5G 8/3
		White	N 9.5/
		Gray	10B 7/1
		Light green	2.5G 8/2
		Off-white	5Y 9/1
		Gold	-----
		Silver	-----
		White	N 9.5/
68	Picture Molding in Room 204 (Margaret Murray Washington's Bedroom)	Blue-green	2.5BG 8/3
		Gray	N 8.0/
		Tan	7.5YR 8/4
		White	N 9.5/
		Gold	-----
		Silver	-----
		White	N 9.5/

Sample No.	Location	Layers	Munsell No.
72	Picture Molding in Room 206 (Front Hall)	Light green	5GY 8/2
		White	N 9.5/
		Off-white	5Y 9/1
		Gold	-----
		Silver	-----
		White	N 9.5/
82	Picture Molding in Room 207 (Rear Hall)	Light green	5GY 8/2
		White	N 9.5/
		Off-white	5Y 9/1
		Gold	-----
		Silver	-----
		White	N 9.5/
86	Picture Molding in Room 208 (Boys' Bedroom)	Blue	10BG 8/3
		Pale green	5G 9/1
		White	N 9.5/
		Gray	5Y 7/1
		Pink	2.5YR 8/4
		White	N 9.5/
		Gold	-----
		Silver	-----
		White	N 9.5/
95	Picture Molding in Room 210 (Boys' Bathroom)	Blue	10BG 8/2
		Off-white	5Y 9/1
		Gray	N 7.0/
		Pink	5R 6/4
		White	N 9.5/
		Off-white	5Y 8/1
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Yellow varnish	-----
79	Picture Molding in Room 211 (Booker T. Washington's Bedroom)	Off-white	10YR 8/1
		Pale green	5G 9/2
		Light lavender	5PB 8/2
		Light blue	5B 8/3
		White	N 9.5/
		Gold	-----
		Dark metal	-----
		Gold	-----
		Silver	-----
		White	N 9.5/

Sample No.	Location	Layers	Munsell No.
121	Picture Molding in Room 214 (Den Entry)	Light green	5GY 8/2
		White	N 9.5/
		Dark varnish	-----
115	Picture Molding in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/2
		Off-white	5Y 9/2
		Gray	N 8.0/
		Off-white	5Y 9/1
136	Picture Modling in Room 303 (Hall)	Light yellow	10Y 8.5/2
		White	N 9.5/
		Gold	-----

With three exceptions, the historic finish used on the picture moldings of The Oaks appears to have been gilding. The bottom white layer found on most of the picture moldings is a very thick base coat to which the original silver finish was applied. The silver finish was probably covered with gilding at the time the color scheme of the walls was changed from light to dark, somber colors, notably the dark red used in the major rooms and halls, with which gilding would appear more favorably than silver. The picture moldings found in the boys' bathroom (sample 95) and in the den (sample 115) appear to have been painted off-white during the historic period. The den entry picture molding (sample 121) was finished with dark varnish during the historic period.

Sample No.	Location	Layers	Munsell No.
31	Window Mullion in Room 110 (Bathroom)	Gray	N 8.5/
		Light yellow	2.5GY 9/2
		Light green	10GY 8/2
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Dark varnish	-----
32	Door from Room 110 (Bathroom) to Room 109 (Rear Hall)	Gray	N 8.5/
		Light yellow	2.5GY 9/2
		Light green	10GY 8/2
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Dark varnish	-----
		Beige	5YR 6/2
		Dark varnish	-----

Sample No.	Location	Layers	Munsell No.
33	Door Frame from Room 110 (Bathroom) to Room 107 (Guest Room)	Gray	N 8.5/
		Light yellow	2.5GY 9/2
		Light green	10GY 8/2
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Off-white	5Y 9/1
		Dark varnish	-----
		Beige	5YR 6/2
		Dark varnish	-----

From the above three samples it is obvious that the original finish used on the first floor bathroom woodwork was a dark varnish identical to that used in the other rooms of the house. Because of the high humidity of the bath it is likely that the varnish suffered rapid deterioration and was recovered during the historic period by a layer of graining as seen in the beige and dark varnish layers. The graining probably suffered the same fate as the original varnish and was probably covered prior to 1915 by a layer of off-white paint, which would have been much easier to maintain. Thus, the off-white paint, although certainly not original, is recommended as the finish which was probably in place in 1915.

Sample No.	Location	Layers	Munsell No.
46	Window Mullion in Room 113 (Kitchen)	Orange	7.5R 8/5
		Light blue	2.5B 8/4
		Dark varnish	-----
		Cream	2.5Y 8.5/3
		Dark varnish	-----
		Tan	10YR 6/3
		Dark varnish	-----
		Red-brown	7.5YR 3/4
		Dark varnish	-----
47	Wainscoting in Room 113 (Kitchen)	Orange	7.5R 8/5
		Light blue	2.5B 8/4
		Dark varnish	-----
		Cream	2.5Y 8.5/3
		Dark varnish	-----
		Tan	10YR 6/3
		Dark varnish	-----
		Red-brown	7.5YR 3/4
		Dark varnish	-----
48	Cornice in Room 113 (Kitchen)	Off-white	10Y 9/2
		White	N 9.5/
		Off-white	10Y 9/2
		Off-white	10Y 9/1
		Dark varnish	-----

Sample No.	Location	Layers	Munsell No.
49	Ceiling of Room 113 (Kitchen)	Off-white	10Y 9/2
		White	N 9.5/
		Off-white	2.5Y 8/2
		Off-white	2.5Y 8/2
		Off-white	2.5Y 8/3
		Tan	5YR 5/3
		Dark varnish	-----
		Brown	10R 4/4

The four kitchen woodwork samples evince a similar layering to those removed from the first floor bathroom. In a like manner, the original varnish coat probably deteriorated rapidly as a result of the high humidity associated with the room's function, and was replaced by successive layers of graining as seen in the alternating layers of dark varnish and paint. It appears that, as of 1915, the lower woodwork was grained to match the dark varnish found in the other rooms and that the ceiling and cornice were painted off-white.

Sample No.	Location	Layers	Munsell No.
59	Door Frame from Room 202 (Closet) to Room 201 (Portia's Bedroom)	Gray	5Y 8/1
		Light green	2.5G 8/2
67	Door Frame from Room 205 (Closet) to Room 204 (Margaret Murray Washington's Bedroom)	Gray	N 8.0/
		White	N 9.5/
		Pink	5R 6/4
		Varnish	-----
91	Baseboard in Room 209 (Boys' Bedroom Closet)	Brown	7.5YR 6/4
		Brown	7.5YR 4/4
		Dark varnish	-----

From the three closet woodwork samples, it appears that during the historic period the minor closets had no finish applied to their woodwork but the major closets, including those of the guest room and boys' bedroom, probably had their woodwork covered with dark varnish as in the adjacent rooms.

Sample No.	Location	Layers	Munsell No.
93	Door Frame from Room 210 (Boys' Bathroom) to Room 208 (Boys' Bedroom)	Blue	10BG 8/2
		Gray	N 7.0/
		Off-white	10R 8/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Off-white	5Y 8.5/1
		Gray	N 8.0/
		White	5Y 9/1
		Gray	N 6.0/
		White	5Y 9/1
		Light varnish	-----

Sample No.	Location	Layers	Munsell No.
94	Window Mullion in Room 210 (Boys' Bathroom)	Blue	10BG 8/2
		Gray	N 7.0/
		Off-white	10R 8/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Off-white	5Y 8.5/1
		Gray	N 8.0/
		White	5Y 9/1
		White	5Y 9/1
		Gray	N 6.0/
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		White	N 9.5/
		White	5Y 9/1
		Light varnish	-----

Of all the samples taken at The Oaks, the two boys' bathroom woodwork samples contain the greatest number of layers. The frequent painting of the woodwork was probably directly related to the high humidity created by use of the bathroom. It is likely that the frequency of painting dropped once the Institute acquired the house and ceased use of the bathroom for bathing purposes. Thus, there is almost no doubt that the woodwork was painted white historically.

Sample No.	Location	Layers	Munsell No.
101	Door from Room 212 (Bathroom) to Room 211 (Booker T. Washington's Bedroom)	White	5Y 9/1
		Blue	7.5B 6/4
		Lavender	10PB 7/1
		Light blue	7.5B 8/3
		Light blue	7.5B 8/3
		Off-white	5Y 8/1
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Varnish	-----
102	Window Frame in Room 212 (Bathroom)	White	5Y 9/1
		Blue	7.5B 6/4
		Lavender	10PB 7/1
		Light blue	7.5B 8/3
		Light blue	7.5B 8/3
		Light green	5G 8/2
		White	5Y 9/1
		White	5Y 9/1
		White	5Y 9/1
		Varnish	-----

Like the boys' bathroom and the first floor bathroom, Booker T. Washinton's bedroom bathroom had its woodwork painted white during the historic period.

Sample No.	Location	Layers	Munsell No.
105	Wainscoting Chair Rail in Room 215 (Den)	Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 7.5/
		White	5Y 9/1
		Pink	5R 7/2
106	Door Frame from Room 215 (Den) to Room 214 (Den Entry)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Light gray	N 8.5/
		Light gray	N 8.5/
		Pink	5R 7/2
107	Door from Room 215 (Den) to Room 214 (Den Entry)	Varnish (glaze)	-----
		Brown	7.5R 2/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 7.5/
		White	5Y 9/1
		Pink	5R 9/2
108	Door Frame from Room 215 (Den) to P9 (Den Porch)	Brown	7.5YR 6/6
		White	5Y 9/1
		White	5Y 9/1
109	Door from Room 215 (Den) to P9 (Den Porch)	Brown	10YR 3/3
		Brown	5YR 3/1
		White	N 9.5/
110	Window Frame in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 8.0/
		White	5Y 9/1
111	Mantel Shelf in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 8.0/
		White	5Y 9/1

Sample No.	Location	Layers	Munsell No.
112	Fireplace Frame in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 7.5/
		White	5Y 9/1
113	Baseboard in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 7.5/
		White	5Y 9/1
114	Baseboard in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		White	N 9.0/
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		Gray	N 7.5/
		White	5Y 9/1
116	Wainscoting in Room 215 (Den)	Varnish (glaze)	-----
		Brown	7.5R 4/4
		Dark brown	10R 2/4
		Off-white	5Y 9/2
		White	N 9.5/
		White	5Y 9/1
		Light varnish	-----

A large number of samples were taken from the den woodwork because of the room's significance and because the full extent of the 1957 restoration by the Institute was unknown. The paint samples, as a whole, were quite brittle and very difficult to analyze. However, some conclusions can be reached. Assuming that the existing graining (the varnish and brown layers) dates from the restoration, it appears that the historic finish used on the woodwork was white paint. The pink paint which was found on some samples was quite thin and probably a prime coat. The small number of layers found on samples 108 and 109 gives credence to the theory that the doorway to the den porch was installed during the 1957 restoration in place of an existing window.

D. Interior Wall Paint

Sample No.	Location	Layers	Munsell No.
1	Wall of Room 101 (Foyer)	Light green	5GY 8/2
		White	N 9.5/
		Beige	5YR 7/2
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Off-white	2.5Y 8/3
3	Wall of Room 102 (Parlor)	Light green	5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Beige	5YR 7/2
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
6	Wall of Room 103 (Study)	Light green	5GY 8/2
		Off-white	5Y 8/3
		Cream	2.5Y 8.5/4
		Off-white	5Y 9/2
		Beige	10YR 7/4
		Cream	2.5Y 8/4
		Off-white	2.5Y 8/2
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Tan	2.5Y 5/2
9	Wall of Room 104 (Front Hall)	Light green	5GY 8/2
		Light green	10GY 7/2
		Beige	5YR 7/2
		Off-white	N 8.5/
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		White	N 9.5/
16	Wall of Room 105 (Dining Room)	Yellow-green	7.5Y 9/3
		White	N 9.5/
		Beige	5YR 7/2
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		White	N 9.5/

Sample No.	Location	Layers	Munsell No.
13	Wall of Room 106 (Dining Room Addition)	Yellow-green	7.5Y 7/4
		White	N 9.5/
		Beige	5YR 7/2
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Light green	10GY 9/2
21	Wall of Room 109 (Rear Hall)	Light green	2.5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Light green	2.5GY 8/2
		Light green	10GY 8/2
		Cream	10YR 8/6
		Cream	10YR 8/4
		Cream	10YR 8/6
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Varnish	-----
71	Wall of Room 206 (Front Hall)	Light green	5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Dark varnish	-----
81	Wall of Room 207 (Rear Hall)	Light green	5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Cream	2.5Y 8/4
		Off-white	5Y 8/1
		Cream	2.5Y 8/4
		Off-white	5Y 8/1
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Dark varnish	-----
		White	N 9.5/
184	Filled Window at Rear Stair in Room 207 (Rear Hall)	Light green	5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Beige	5YR 7/2
		Cream	2.5Y 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6

Sample No.	Location	Layers	Munsell No.
120	Wall of Room 214 (Den Entry)	Light green	5GY 8/2
		Light green	10GY 7/2
		White	N 9.5/
		Cream	2.5Y 8/4
		Off-white	5Y 8/1
		Cream	2.5Y 8/4
		Off-white	5Y 8/1
		Dark red	2.5R 2/8
		Burnt red	10R 5/8
135	Wall of Room 303 (Hall)	Light yellow	10Y 8.5/2
		Light green	7.5GY 9/2
		Cream	10YR 8/4
		Cream	10YR 8/4
		Cream	10YR 8/4
		Cream	10YR 8/4
		Dark red	2.5R 2/8
		Burnt red	10R 3/6
		Dark varnish	-----

There appear to have been three finishes applied to the walls of the hallways and major first floor rooms of The Oaks during the historic period. The original finishes of the major first floor room walls were paintes of various light hues. This is corroborated by historic photographs. The original wall finishes of the hallways, on the other hand, appear to have been dark varnish similar to that used on the woodwork. At some point, probably prior to 1910, the wall finishes of these rooms were changed to a dark burnt red high-gloss paint similar to the dark varnish except in its opacity. The presence of this paint as the lowest layer in samples 120 and 184, the den entry and the window which was filled with the addition of the den probably prior to 1910, attest to the historicity of the paint. The dark red paint which followed the burnt red paint was probably also used during the historic period. The succession of various light-hued paints which follow the dark red paint was probably used during the ownership of the house by the Institute.

Sample No.	Location	Layers	Munsell No.
25	Wall of Room 107 (Guest Room)	White	N 9.0/
		Light green	5G 9/2
		Light green	5G 8/2
		Off-white	2.5Y 8/2
		Tan	2.5Y 7/2
		Tan	10YR 7/4
		Off-white	2.5Y 9/2

The historic color of the guest room walls was apparently tan.

Sample No.	Location	Layers	Munsell No.
19	Wall of Room 108 (Guest Room Closet)	Light green	5GY 9/2
		White	N 9.5/
		Light green	5G 9/2
		Light green	5G 8/2
		White	N 9.5/
		Beige	2.5Y 8.5/3
		Tan	10YR 7/6
		Tan	10YR 7/6
		Tan	10YR 7/6

Like the guest room, the adjoining closet was apparently paint tan by 1915.

Sample No.	Location	Layers	Munsell No.
29	Wall of Room 110 (Bath)	Gray	N 8.5/
		Yellow-green	2.5GY 9/2
		Light green	10GY 8/2
		Tan	2.5Y 7/3
		White	5Y 9/1

Like it trim, the first floor bath walls were probably painted white historically.

Sample No.	Location	Layers	Munsell No.
35	Wall of Room 111 (Pantry)	Beige	2.5Y 8/4
		Off-white	5Y 9/3
		Light green	10GY 9/2
		Tan	2.5Y 5/2
		White	5Y 9/2

The pantry walls during the historic period were probably painted white.

Sample No.	Location	Layers	Munsell No.
39	Wall of Room 112 (Breakfast Room)	Off-white	10Y 9/2
		White	N 9.0/
		Light blue	5B 8/4
		Cream	2.5Y 9/4
		Gray	N 8.5/
		Cream	2.5Y 8/4
		Cream	2.5Y 8.5/4

The historic color of the breakfast room walls appears to have been cream.

Sample No.	Location	Layers	Munsell No.
45	Wall of Room 113 (Kitchen)	Orange	7.5R 8/5
		Light blue	2.5B 8/4
		Blue	2.5B 7/4
		Off-white	2.5Y 9/3
		Cream	2.5Y 8/2
		Cream	2.5Y 7/3
		Cream	2.5Y 6/4
		Cream	2.5Y 8/4
		Cream	2.5Y 8/2

Doubtless, the historic color of the kitchen walls was cream. Its precise shade is open to discussion as it appears that from three to five coats were used during the historic period.

Sample No.	Location	Layers	Munsell No.
55	Wall of Room 201 (Portia's Bedroom)	Light green	2.5G 8/3
		White	N 9.5/
		Off-white	5G 8/1
		Light green	2.5G 8/2
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Tan	5YR 6/4
		Tan	5YR 6/4
		Dark varnish	-----
		Off-white	5Y 8.5/2

Tan appears to have been the historic color used on Portia's bedroom walls.

Sample No.	Location	Layers	Munsell No.
58	Wall of Room 202 (Portia's Bedroom Closet)	Gray	5Y 8/1
		Gray	N 7.0/
		Light green	2.5G 8/2

Portia's bedroom closet walls were probably unpainted during the historic period.

Sample No.	Location	Layers	Munsell No.
50	Wall of Room 203 (Shower)	Gray	N 8.0/
		Light green	7.5GY 8/2
		Green	2.5BG 6/2
		Light green	10GY 8/2
		Cream	2.5Y 8.5/3
		Tan	10YR 6/4

Like Portia's bedroom walls, the shower walls were apparently painted tan during the historic period

Sample No.	Location	Layers	Munsell No.
63	Wall of Room 204 (Margaret Murray Washington's Bedroom)	Blue-green	2.5BG 8/3
		White	N 9.5/
		Off-white	7.5YR 8/2
		Pink	5R 6/4
		Tan	2.5Y 7/4
		Tan	2.5Y 7/4
		Tan	10YR 8/6
		Blue	5B 4/2
		Blue	5B 4/3
		Light blue	10BG 6/3
		Light varnish	-----
		Off-white	10YR 6/6

Margaret Murray Washington's bedroom walls appear to have been painted light blue during the historic period.

Sample No.	Location	Layers	Munsell No.
66	Wall of Room 205 (Margaret Murray Washington's Bedroom Closet)	Gray	N 8.0/
		Light pink	5R 9/2
		Tan	2.5Y 7/4

The walls of this closet were probably unpainted during the historic period.

Sample No.	Location	Layers	Munsell No.
85	Wall of Room 208 (Boys' Bedroom)	Blue	10BG 8/3
		White	N 9.5/
		Beige	5YR 7/1
		Pink	5R 6/4
		Cream	10YR 8/3
		Tan	10YR 7/4
		Cream	10YR 8/3
		Tan	10YR 7/6
		Light varnish	-----

Tan appears to have been the historic paint used on the boys' bedroom walls.

Sample No.	Location	Layers	Munsell No.
92	Wall of Room 210 (Boys' Bathroom)	Blue	10BG 8/2
		Off-white	5YR 7/1
		Pink	5R 6/4
		Cream	10YR 8/3
		Cream	10YR 7/4
		Green	5GY 4/2
		Blue	5BG 7/2
		Dark blue	2.5PB 2/6
		Blue	7.5B 4/4
		Light blue	5BG 7/2
		Blue	7.5B 5/4

Doubtless, the historic color of the boys' bedroom bathroom walls was blue.

Sample No.	Location	Layers	Munsell No.
75	Wall of Room 211 (Booker T. Washington's Bedroom)	Off-white	10YR 9/1
		White	N 9.5/
		Off-white	7.5YR 8/2
		Tan	10YR 6/3
		Tan	10YR 7/4
		Tan	10YR 7/4
		Tan	10YR 7/4
		Blue	5B 4/2
		Blue	5B 4/3
		Blue	10BG 6/3
		Light varnish	-----

Obviously, blue was the color of Booker T. Washington's bedroom walls in 1915.

Sample No.	Location	Layers	Munsell No.
100	Wall of Room 212 (Booker T. Washington's Bathroom)	Light blue	5B 8/2
		Off-white	5Y 8.5/1
		Blue	7.5B 5/4
		Light blue	10BG 8/2
		Cream	2.5Y 8.5/3
		Cream	2.5Y 8.5/3
		Green	5GY 4/2
		Dark blue	10B 3/6
		Light blue	7.5BG 7/2
		Blue	10B 5/6

Like the bedroom walls, those of Booker T. Washington's bathroom were painted blue during the historic period.

Sample No.	Location	Layers	Munsell No.
98	Wall of Room 213 (Hall Closet)	Orange	7.5YR 7.5/4

The hall closet walls were probably left unpainted during the historic period. Their unpainted historic condition serves as evidence to support the theory that the stair to the third floor was never completed, but finished with the original construction as a closet.

Sample No.	Location	Layers	Munsell No.
104	Wall of Room 215 (Den)	Red	2.5YR 3/6
		Cream	2.5Y 8.5/3
		Red	10R 2/4
		Cream	2.5Y 8.5/3

The den wall paint sample presents a number of problems in analysis. Several assumptions must be made. One is that the room has not been painted since it was restored by the Institute in 1957. The other is that the room remained virtually unchanged since 1915. If these are true, then it appears that the original paint used was cream colored. At some point in time a very thin red glaze was painted over the cream paint. The Institute apparently attempted to reproduce this effect in 1957. Otherwide, the layers might be interpreted as being those added by the Institute after a possible thorough stripping of the historic paint from the walls. This is unlikely as no other area of the house had its paint stripped by the Institute.

Sample No.	Location	Layers	Munsell No.
124	Wall of Room 301 (North Bedroom)	Light yellow	5Y 8/5
		Light blue	5B 7/2
		Light blue	5B 7/2
		Cream	10YR 8/4
		Cream	10YR 8/4
		Varnish	-----

The historic color of the north bedroom walls appears to have been cream.

Sample No.	Location	Layers	Munsell No.
127	Wall of Room 302 (North Bedroom Closet)	Light blue	5B 7/2
		Light blue	5B 7/2
		Cream	10YR 8/4
		Light gray	N 8.0/

It appears that the north bedroom closet walls were painted cream during the historic period to match the adjacent bedroom walls.

Sample No.	Location	Layers	Munsell No.
128	Wall of Room 304 (East Bedroom)	Light yellow	5Y 8/5
		Gray	N 7.0/
		Pink	2.5R 8/4
		Light green	10Y 8/1
		Cream	10YR 8/4
		Cream	10YR 8/4
		Cream	10YR 8/4
		Red	2.5R 3/4
		Red	7.5R 3/4
		White	N 9.5/

It is evident that red was the probable historic color of the east bedroom walls.

Sample No.	Location	Layers	Munsell No.
131	Wall of Room 305 (East Bedroom Closet)	Gray-pink	2.5R 8/2
		Light green	10Y 8/1
		Cream	10YR 8/4

When compare with sample 128, the above sample indicates that the east bedroom closet walls were not painted during the historic period.

Sample No.	Location	Layers	Munsell No.
132	Wall of Room 309 (West Bedroom)	Off-white	5Y 9/2
		White	N 9.5/
		Light green	2.5G 9/2
		Off-white	5Y 8/1
		White	5Y 9/1
		White	N 9.5/
		Cream	10YR 8/4
		Cream	10YR 8/4
		Cream	10YR 8/4
		Red	2.5R 4/6
		Pink	10R 8/4

The west bedroom walls were probably painted red during the historic period.

Sample No.	Location	Layers	Munsell No.
139	Wall of Room 310 (Bathroom)	Pale green	5GY 9/2
		Off-white	5Y 9/2
		White	N 9.5/
		White	N 9.0/
		Tan	10YR 8/4
		Tan	10YR 8/4
		Tan	10YR 8/4
		Tan	10YR 8/4

Despite the poor quality of the sample, it appears that the third floor bathroom walls may have been painted tan during the historic period.

E. Interior Ceiling and Frieze Paint

Sample No.	Location	Layers	Munsell No.
2	Ceiling of Room 101 (Foyer)	Off-white	7.5Y 9/2
		Light green	10GY 7/2
		White	N 9.5/
		Tan	2.5Y 7/3
5	Ceiling of Room 102 (Parlor)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
		Yellow varnish	-----
		White	5Y 9/1
8	Ceiling of Room 103 (Study)	Off-white	7.5Y 9/2
		Off-white	5Y 8.5/1
		White	N 9.5/
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 8.5/2
		Tan	7.5YR 6/4
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
		Cream	2.5Y 7/4
		Yellow varnish	-----
		White	5Y 9/1
11	Ceiling of Room 104 (Front Hall)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 8.5/2
		Tan	7.5YR 6/4
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
		Cream	2.5Y 7/4
		Yellow varnish	-----
		White	5Y 9/1
12	Frieze of Room 104 (Front Hall)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	2.5Y 8.5/2
		Off-white	2.5Y 8.5/2
		Tan	7.5YR 6/4
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
		Cream	2.5Y 7/4
		Yellow varnish	-----

Sample No.	Location	Layers	Munsell No.
18	Ceiling of Room 105 (Dining Room)	Off-white	7.5Y 9/2
		Off-white	5Y 8.5/1
		White	N 9.5/
		Off-white	7.5Y 9/1
		Beige	2.5Y 8.5/2
		Cream	2.5Y 7/4
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
		Yellow varnish	-----
15	Ceiling of Room 106 (Dining Room Addition)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	7.5Y 9/1
		Off-white	2.5Y 8.5/2
		Cream	2.5Y 7/4
		Off-white	2.5Y 9/2
		Cream	2.5Y 7/4
23	Ceiling of Room 109 (Rear Hall)	Off-white	7.5Y 9/2
		White	N 9.5/
		Beige	2.5Y 8/4
		Off-white	2.5Y 8.5/2
		Tan	2.5Y 5/2
24	Frieze of Room 109 (Rear Hall)	Off-white	7.5Y 9/2
		Off-white	5Y 8.5/1
		White	N 9.5/
		Beige	2.5Y 8.5/2
		Cream	2.5Y 7/4
		Tan	2.5Y 6/2

From the above samples it is evident that the first-floor hallway and major room ceilings were probably painted a dark cream color. The frieze areas of the hallways were also painted dark cream, as well, during the historic period.

Sample No.	Location	Layers	Munsell No.
28	Frieze of Room 107 (Guest Room)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	2.5Y 9/2
		Beige	10YR 8/1
		Off-white	2.5Y 7/2
		Tan	7.5YR 6/2
		Off-white	2.5Y 9/3

The guest room frieze was probably painted tan by 1915, The ceiling, which was later replaced, was probably painted tan as well during the historic period.

Sample No.	Location	Layers	Munsell No.
20	Ceiling of Room 108 (Guest Room Closet)	Off-white	7.5Y 9/2
		White	N 9.5/
		Tan	7.5YR 7/4
		Off-white	2.5Y 8.5/2

Matching the walls, the guest room closet ceiling was also probably painted tan.

Sample No.	Location	Layers	Munsell No.
34	Ceiling of Room 110 (Bathroom)	Gray	N 8.5/
		Yellow-green	2.5GY 9/2
		Light green	10GY 8/2
		Tan	2.5Y 7/3
		White	5Y 9/1

Matching the walls, the first floor bathroom ceiling was also probably painted white during the historic period.

Sample No.	Location	Layers	Munsell No.
38	Ceiling of Room 111 (Pantry)	White	5Y 9/1
		White	N 9.5/
		White	5Y 9/1
43	Ceiling of Room 112 (Breakfast Room)	Off-white	10Y 9/2
		White	N 9.0/
		Off-white	10Y 9/2
44	Frieze of Room 112 (Breakfast Room)	Off-white	10Y 9/2
		White	N 9.0/
		Off-white	10Y 9/2
		Off-white	10Y 9/2

The generally very poor quality of the above paint samples leads to the assumption that the ceilings and frieze areas of the pantry and breakfast room were possibly painted white or off-white during the historic period.

Sample No.	Location	Layers	Munsell No.
61	Ceiling of Room 201 (Portia's Bedroom)	Off-white	5Y 8.5/2
		White	N 9.5/
		White	5Y 9/1
		Cream	10YR 7/4
		White	N 9.5/

Sample No.	Location	Layers	Munsell No.
62	Frieze of Room 201 (Portia's Bedroom)	Off-white	5Y 8.5/2
		White	N 9.5/
		Off-white	5Y 8.5/2
		Cream	2.5Y 8/5
		Off-white	2.5Y 9/2
		Tan	2.5Y 6/3
		Off-white	5Y 8.5/3
		Cream	2.5Y 7/4

Portia's bedroom ceiling and frieze were painted cream during the historic period.

Sample No.	Location	Layers	Munsell No.
53	Ceiling of Room 203 (Shower)	Gray	N 8.0/
		Light green	7.5GY 8/2
		Green	2.5BG 6/2
		Light green	10GY 8/2
		Cream	2.5Y 8.5/3
		Tan	10YR 6/4
54	Frieze of Room 203 (Shower)	Gray	N 8.0/
		Light green	7.5GY 8/2
		Green	2.5BG 6/2
		Light green	10GY 8/2
		Cream	2.5Y 8.5/3
		Tan	10YR 6/4

Matching the walls, the shower ceiling and frieze were apparently painted tan.

Sample No.	Location	Layers	Munsell No.
70	Frieze of Room 204 (Margaret Murray Washington's Bedroom)	Off-white	7.5Y 9/2
		White	N 9.5/
		White	N 9.5/
		Off-white	2.5Y 8/2
		Off-white	2.5Y 8/2
		Brown	2.5Y 6/2
		Cream	2.5Y 8/5

Although the ceiling of Margaret Murray Washington's bedroom is modern, it is likely that the cream coat of paint which remains on the frieze area was used on the ceiling as well during the historic period.

Sample No.	Location	Layers	Munsell No.
69	Ceiling of Room 205 (Margaret Murray Washington's Bedroom Closet)	Gray	N 8.0/
		Pink	5R 6/4
		Tan	2.5Y 7/4

Like the walls, the ceiling of this closet was probably unpainted in 1915.

Sample No.	Location	Layers	Munsell No.
73	Ceiling of Room 206 (Front Hall)	Off-white	7.5Y 9/2
		White	5Y 9/1
		White	N 9.5/
		White	N 9.0/
		Off-white	7.5YR 7/2
		Off-white	2.5Y 8/2
		Tan (dirt?)	-----
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Dark varnish	-----
		White	5Y 9/1
74	Frieze of Room 206 (Front Hall)	Off-white	7.5Y 9/2
		White	N 9.5/
83	Ceiling of Room 207 (Rear Hall)	Off-white	7.5Y 9/2
		White	5Y 9/1
		White	N 9.5/
		White	N 9.0/
84	Frieze of Room 207 (Rear Hall)	Off-white	7.5Y 9/2
		White	5Y 9/1
		White	N 9.5/
		White	N 9.0/
		Off-white	7.5YR 7/2
		Off-white	7.5YR 8/2
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Dark varnish	-----
		White	5Y 9/1
122	Ceiling of Room 214 (Den Entry)	Off-white	7.5Y 9/2
		White	N 9.5/
		Off-white	7.5YR 7/2
		Off-white	2.5Y 8/2
123	Frieze of Room 214 (Den Entry)	Off-white	7.5Y 9/2
		White	5Y 9/1
		White	N 9.5/
		Off-white	7.5YR 7/2
		Off-white	2.5Y 8/2
		Dark brown	5Y 3/1
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4
		Cream	2.5Y 8/4

Despite the poor quality of samples 74, 83, and 122, it is relatively obvious that the historic ceiling and frieze color of the second-floor hallways was cream. It is interesting to note that sample 123, from a room added at the time the den was constructed, does not contain the dark varnish layer seen in the samples from the main section of the house.

Sample No.	Location	Layers	Munsell No.
87	Frieze of Room 208 (Boys' Bedroom)	Off-white	7.5Y 9/2
		White	N 9.5/
		White	N 9.0/
		Peach	10YR 8/5
		Off-white	5Y 8.5/3
		White	N 9.5/
		Off-white	7.5YR 8/2
		Tan	10YR 7/2
		White	N 9.5/
		Light yellow	5Y 8.5/4
		Dark varnish	-----
90	Ceiling of Room 208 (Boys' Bedroom)	Off-white	5Y 9/2
		White	N 9.5/
		White	N 9.5/
		Peach	7.5YR 7/6
		Off-white	5Y 8/1

Based on sample 87, it appears that the boys' bedroom ceiling and frieze was painted light yellow during the historic period.

Sample No.	Location	Layers	Munsell No.
96	Ceiling of Room 210 (Boys' Bathroom)	Off-white	10Y 9/2
		White	N 9.5/
		Off-white	5GY 9/1
		Tan	2.5Y 8/4
		Cream	2.5Y 8.5/4
97	Frieze of Room 210 (Boys' Bathroom)	Off-white	5Y 9/2
		Off-white	N 8.5/
		White	N 9.0/
		White	N 9.5/

The poor quality of the above samples prevented making a positive identification of the historic color of the boys' bathroom ceiling and frieze. However, it is quite likely that, as in the other bathrooms, they were painted to match the walls and woodwork, Munsell 5Y 9/1.

Sample No.	Location	Layers	Munsell No.
80	Frieze of Room 211 (Booker T. Washington's Bedroom)	Off-white	5Y 9/2
		White	5Y 9/1
		White	N 9.5/
		White	N 9.5/
		Off-white	2.5Y 8/2
		Off-white	2.5Y 8/2
		Off-white	5Y 9/3
		Cream	10YR 8/3
		Cream	2.5Y 7/2
		Cream	2.5Y 7/2
		Cream	5Y 7/1
		Cream	5Y 8/4
		Light varnish	-----

Obviously, cream in the historic paint color used on the frieze in Booker T. Washington's bedroom. It is quite likely that the ceiling, which was subsequently replaced, was also painted the same color.

Sample No.	Location	Layers	Munsell No.
103	Ceiling of Room 212 (Booker T. Washingtons' Bedroom Bathroom)	Light blue	5B 8/2
		Off-white	5Y 8.5/1
		Blue	7.5B 5/4
		Light blue	10BG 8/2
		Cream	2.5Y 8.5/3
		Cream	2.5Y 8.5/3
		Green	5GY 4/2
		Dark blue	10B 3/6
		Light blue	7.5BG 7/2
		Blue	10B 5/6

Like the walls, the bathroom ceiling was also painted blue during the period.

Sample No.	Location	Layers	Munsell No.
99	Ceiling of Room 213 (Hall Closet)	Orange	7.5YR 7.5/4

The hall closet ceiling, like its walls, was probably unpainted historically.

Sample No.	Location	Layers	Munsell No.
117	Frieze of Room 215 (Den)	Off-white	5Y 9/2
		White	N 9.0/
		Off-white	10YR 8.75/3
		Gray	N 7.5/
		Cream	10YR 8/5
		Off-white	5Y 9/2
		White	5Y 9/1

Sample No.	Location	Layers	Munsell No.
118	Ceiling of Room 215 (Den)	Off-white	5Y 9/2
		White	N 9.5/
119	Cornice of Room 215 (Den)	White	5Y 9/1
		Gray	N 8.5/
		Off-white	5Y 9/2
		White	5Y 9/1

The den ceiling, frieze, and cornice, like the woodwork of the room, were probably painted white during the historic period.

Sample No.	Location	Layers	Munsell No.
126	Ceiling of Room 301 (North Bedroom)	Off-white	5Y 9/2
		White	N 9.5/
		Off-white	5Y 9/2
		Off-white	2.5Y 8.5/2
		Cream	10R 7/6
		Varnish	-----

During the historic period it appears that cream was the color of the north bedroom ceiling.

Sample No.	Location	Layers	Munsell No.
137	Ceiling of Room 303 (Hall)	Off-white	5Y 8.5/2
		White	N 9.5/
		White	N 9.0/
		Off-white	2.5Y 8.5/2
		Tan	5YR 7/2
		White	N 9.0/
		Tan	2.5Y 7/4
		Tan	2.5Y 6/4
		Varnish	-----
138	Frieze of Room 303 (Hall)	Off-white	5Y 8.5/2
		White	N 9.5/
		White	N 9.0/
		Tan	5YR 7/2
		White	N 9.0/
		Tan	2.5Y 7/4
		Tan	2.5Y 6/4
		Varnish	-----

The historic third floor hall ceiling and frieze color appears to have been tan, as in the lower hallways.

Sample No.	Location	Layers	Munsell No.
130	Ceiling of Room 304 (East Bedroom)	Off-white	5Y 9/2
		White	N 9.5/
		Off-white	2.5Y 9/2
		Off-white	2.5Y 9/2
		Off-white	2.5Y 9/2
		Varnish (thin)	-----
		Cream	2.5Y 8.5/3
		Cream	2.5Y 8.5/3
		Cream	2.5Y 8.5/3
		Varnish	-----
		White	N 9.5/

During the historic period the east bedroom ceiling and frieze were probably painted cream.

Sample No.	Location	Layers	Munsell No.
134	Ceiling of Room 309 (West Bedroom)	Off-white	5Y 9/2
		White	N 9.5/
		White	5Y 9/1
		White	5Y 9/1
		Cream	10YR 8/4
		Cream	10YR 8/4
		Varnish (thin)	-----
		Cream	10YR 8/4
		Cream	10YR 7/4

The west bedroom frieze and ceiling were probably painted cream historically.

Sample No.	Location	Layers	Munsell No.
141	Ceiling of Room 310 (Bathroom)	White	5Y 9/1
		White	N 9.5/
		Off-white	10YR 9/2
		White	10YR 9/1
		White	5Y 9/1
		White	10YR 9/1
		Off-white	10YR 9/2
		Cream	2.5Y 8.5/4
		Varnish	-----

The third-floor bathroom has had an almost unbroken history of having had its ceiling painted white or off-white. The original varnish layer corresponds to that found on the hall ceiling and frieze. This can be construed to mean that the bathroom was added after the original construction with its historic ceiling paint being a cream color.

F. Interior Paint on Windows

Sample No.	Location	Layers	Munsell No.
30	Lower sash in Room 110 (Bathroom)	Gray	N 8.5/
		Light green	10GY 8/2
		Off-white	5Y 9/2
		Tan	2.5Y 7/3

The quality of sample 30 was surprisingly high. When compare with samples from adjacent woodwork (samples 32 and 33) it is evident that the painting of the glass of the window sash occured during the Institute's ownership of The Oaks, probably beinning in 1957. During the historic period the glass was probably unpainted.

Appendix II - Mortar Analysis

During the present architectural investigation of The Oaks, ten samples of the pointing mortar, bedding mortar, and plaster were collected and analyzed at the Denver Service Center utilizing the testing methodology developed by E. Blaine Cliver, Regional Historical Architect of the North Atlantic Region of the National Park Service. The results of the investigation indicate the original formulae used in mixing the mortars and plasters. Variants such as on-site conditions during the mixing of the mortar and sample uniformity, as well as the curing and aging processes affect the samples, such that only an approximation of the original formulae can be ascertained.

Five samples of the pink pointing mortar of the exterior walls were collected and analyzed. Its constituent parts appear to be sand, lime, and a small amount of red pigment used as a coloring agent. In the testing, the coloring agent appeared as part of the fines. Because the fines also included other impurities in the mortar, the exact amount of the coloring agent used in the mortar could not be determined. Therefore, the analysis only revealed basic proportions of the lime and sand content.

Sample one revealed a ratio of approximately one part of lime to five parts of sand. The sample was in relatively good condition when taken and should be considered as a reliable indicator of the original mix.

Sample two revealed a ratio of approximately one part of lime to three parts of sand. The powdered condition of the sample which resulted from rising damp tended to decrease the reliability of this sample considerably.

Sample three revealed a ratio of approximately one part of lime to four parts of sand. Although in better condition when sampled, the mortar lacks total reliability because of its location, which was subject to rising damp over time, although the moisture did not result in powdering as in sample two.

Sample six revealed a ratio of approximately one part of lime to six parts of sand. In reliability, it is almost identical to sample one.

Sample eight revealed results similar to sample six. The sample should be considered equivalent in reliability to samples six and one.

From the above samples, it appears that the original pointing mortar was composed or five or six parts of sand, one part of lime, and a very small amount of red pigment to give it a pink color.

Two samples of the white bedding mortar of the exterior walls were collected and analyzed. Their constituent parts appear to be sand and lime with no coloring agent. The formular for the mortar appears to have been identical to that used in the pointing mortar, with the exception of the red coloring agent used in the pointing mortar.

Sample four revealed a ratio of approximately one part of lime to slightly more than four parts of sand. The sample was removed from the same area as sanple three of the pointing mortar and is, therefore, not entirely reliable.

Sample seven revealed a ratio of approximately one part of lime to six parts of sand, which is approximately the same ratio found in the pointing mortar samples. Of all the mortar samples taken, this is probably the most reliable, being taken from a portion of the wall entirely free from weathering influences and rising damp.

The bedding mortar, therefore, was probably mixed with six parts of sand to every part of lime, not unlike the pointing mortar.

The plastering of The Oaks consists of two primary coats, a scratch coat and a brown coat which is used as the finish coat. Single samples were analyzed from each coat.

Sample five, which was taken from the finish coat, was a soft lime plaster with a mix of approximately six parts of sand to one part of lime.

Sample nine, which was removed from the scratch cost, was soft, but brittle. Its mixture was approximately three parts of sand to one part of lime.

One sample, sample ten, was taken of the mortar used in later repointing. The mortar was much harder than the original pointing mortar and its color was slightly lighter. The sand used in this mortar did not match that of the original bedding and pointing mortars. It appears that the mortar was made using Portland cement, sand, and a small amount of red coloring agent. The coloring agent was probably contained in the pre-mixed Portland cement. The formual used appears to have been approximately four parts of sand to one part of Portland cement.

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 1
Date Sept. 8 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: P6 (Kitchen Porch) East Wall red
Sample Description (Before Testing): Pointing mortar - pink - medium hardness white spots

Test No. 1 (Soluble Fraction)

DATA:

1. 174.02 wt. of container A
2. 194.02 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .50 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.13 wt. of sample fines w/paper (after drying)
10. 2.47 g. wt. of filter paper (after drying)
11. 189.74 wt. of sand & container A (after drying)
12. 9.6 cc of sand
13. 21.85 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
15.68

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2____ - No. 1____
16. 1.66 g wt. of fines: No. 9____ - No. 10____
17. 15.72 g wt. of sand: No. 11____ - No. 1____
18. .6122 sand density: 1.0 ÷ [(No. 13____ - No. 14____) ÷ No. 12____]
19. 2.62 g wt. of soluble content: No. 15____ - (No. 16____ + No. 17____)
20. .0208 mols of CO_2: No. 5____ x No. 3____ mm x 0.016 ÷ (No. 4____C + 273.16C.)
21. 2.08 g. wt. of $CaCO_3$: 100 x No. 20____
22. .54 g. wt. of $Ca(OH)_2$: No. 19____ - No. 21____
23. .0073 mols of $Ca(OH)_2$: No. 22____ ÷ 74
24. [2.08] g. total wt. of $Ca(OH)_2$: 74 x (No. 20____ + No. 23____)
25. .9152 g. wt. CO_2 No. 20____ x 44
26. 1.2364 g. wt. total possible CO_2: 44 x (No. 20____ + No. 23____)
27. [74] % CO_2 gain: No. 25____ ÷ No. 26____

CONCLUSIONS:

28. 19.086 g wt. of sample: No. 15____ less CO_2 gain No. 25____

5
29. [8.70] fines parts/vol.: No. 16____ ÷ No. 28____ = ____% x 1.0 of clay (gypsum 1.0)
30. [50.43] sand parts/vol.: No. 17____ ÷ No. 28____ = ____% x No. 18____

1
31. [11.99] lime parts/vol.: No. 24____ ÷ No. 28____ = ____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 2
Date September 7 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: Foundation Wall below PC (Kitchen Porch)
Sample Description (Before Testing): powdered pink pointing mortar leached from joints by rising damp

Test No. 1 (Soluble Fraction)
DATA:

1. 173.58 wt. of container A
2. 193.58 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .72 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.81 wt. of sample fines w/paper (after drying)
10. 2.51 wt. of filter paper (after drying)
11. 187.30 wt. of sand & container A (after drying)
12. 8.5 cc of sand
13. 19.80 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
13.63

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2____ - No. 1____
16. 2.30 g wt. of fines: No. 9____ - No. 10____
17. 13.72 g wt. of sand: No. 11____ - No. 1____
18. .6236 sand density: 1.0 ÷ [(No. 13____ - No. 14____) ÷ No. 12____]
19. 3.98 g wt. of soluble content: No. 15____ - (No. 16____ + No. 17____)
20. .0299 mols of CO_2: No. 5____ x No. 3____ mm x 0.016 ÷ (No. 4____C + 273.16C.)
21. 2.99 g. wt. of $CaCO_3$: 100 x No. 20____
22. .99 g. wt. of $Ca(OH)_2$: No. 19____ - No. 21____
23. .0134 mols of $Ca(OH)_2$: No. 22____ ÷ 74
24. [3.20] g. total wt. of $Ca(OH)_2$: 74 x (No. 20____ + No. 23____)
25. 1.3156 g. wt. CO_2 No. 20____ x 44
26. 1.9052 g. wt. total possible CO_2: 44 x (No. 20____ + No. 23____)
27. [69] % CO_2 gain: No. 25____ ÷ No. 26____

CONCLUSIONS:

28. 18.68 g wt. of sample: No. 15____ less CO_2 gain No. 25____

3 29. [12.31] fines parts/vol.: No. 16____ ÷ No. 28____ = ____% x 1.0 of clay (gypsum 1.0)
3 30. [45.79] sand parts/vol.: No. 17____ ÷ No. 28____ = ____% x No. 18____
1 31. [18.84] lime parts/vol.: No. 24____ ÷ No. 28____ = ____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 9
Date September 7 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: Square Opening in Foundation wall below P4 (Rear porch)
Sample Description (Before Testing): Pink (red) pointing mortar with white spots soft to medium hard

Test No. 1 (Soluble Fraction)

DATA:

1. 172.35 wt. of container A
2. 192.35 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .69 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.65 wt. of sample fines w/paper (after drying)
10. 2.45 wt. of filter paper (after drying)
11. 186.72 wt. of sand & container A (after drying)
12. 9.0 cc of sand
13. 20.54 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
14.37

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2____ - No. 1____
16. 02.20 g wt. of fines: No. 9____ - No. 10____
17. 14.37 g wt. of sand: No. 11____ - No. 1____
18. .6263 sand density: 1.0 ÷ [(No. 13____ - No. 14____) ÷ No. 12____]
19. 3.43 g wt. of soluble content: No. 15____ - (No. 16____ + No. 17____)
20. .02880 mols of CO_2: No. 5____ x No. 3____mm x 0.016 ÷ (No. 4____C + 273.16C.)
21. 2.87 g. wt. of $CaCO_3$: 100 x No. 20____
22. .56 g. wt. of $Ca(OH)_2$: No. 19____ - No. 21____
23. .00757 mols of $Ca(OH)_2$: No. 22____ ÷ 74
24. [2.68] g. total wt. of $Ca(OH)_2$: 74 x (No. 20____ + No. 23____)
25. 1.26 g. wt. CO_2 No. 20____ x 44
26. 1.64 g. wt. total possible CO_2: 44 x (No. 20____ + No. 23____)
27. [.7682] % CO_2 gain: No. 25____ ÷ No. 26____

CONCLUSIONS:

28. 18.74 g wt. of sample: No. 15____ less CO_2 gain No. 25____

4 { 2/3 29. [11.74] fines parts/vol.: No. 16____ ÷ No. 28____ = ____% x 1.0 of clay (gypsum 1.0)
{ 3 30. [48.03] sand parts/vol.: No. 17____ ÷ No. 28____ = ____% x No. 18____

1 / 31. [15.73] lime parts/vol.: No. 24____ ÷ No. 28____ = ____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 4
Date September 3 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: Square opening in foundation wall below P4 (Rear Porch)
Sample Description (Before Testing): Tan bedding mortar - soft to medium hard - white spots

Test No. 1 (Soluble Fraction)

DATA:

1. 185.79 wt. of container A
2. 205.79 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .62 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.22 wt. of sample fines w/paper (after drying)
10. 2.76 wt. of filter paper (after drying)
11. 20193 wt. of sand & container A (after drying)
12. 9.6 cc of sand
13. 21.71 wt. of graduated cylinder w/sand
14. 6.97 wt. of graduated cylinder
15.54

COMPUTATIONS:

15. 20.06 g starting wt. of sample: No. 2_____ - No. 1_____
16. 1.46g wt. of fines: No. 9_____ - No. 10_____
17. 15.54g wt. of sand: No. 11_____ - No. 1_____
18. .6178 sand density: 1.0 ÷ [(No. 13_____ - No. 14_____) ÷ No. 12_____]
19. 3.00 g wt. of soluble content: No. 15_____ - (No. 16_____ + No. 17_____)
20. .02578 mols of CO_2: No. 5_____ x No. 3_____mm x 0.016 ÷ (No. 4_____C + 273.16C.)
21. 2.58 g. wt. of $CaCO_3$: 100 x No. 20_____
22. .42 g. wt. of $Ca(OH)_2$: No. 19_____ - No. 21_____
23. .0057 mols of $Ca(OH)_2$: No. 22_____ ÷ 74
24. [2.33] g. total wt. of $Ca(OH)_2$: 74 x (No. 20_____ + No. 23_____)
25. 1.13 g. wt. CO_2 No. 20_____ x 44
26. 1.385 g. wt. total possible CO_2: 44 x (No. 20_____ + No. 23_____)
27. [.8158] % CO_2 gain: No. 25_____ ÷ No. 26_____

CONCLUSIONS:

28. 18.87 g wt. of sample: No. 15_____ less CO_2 gain No. 25_____

12 29. [7.74] fines parts/vol.: No. 16_____ ÷ No. 28_____ = _____% x 1.0 of clay (gypsum 1.0) } 13
715 30. [50.88] sand parts/vol.: No. 17_____ ÷ No. 28_____ = _____% x No. 18_____
24 31. [13.58] lime parts/vol.: No. 24_____ ÷ No. 28_____ = _____% x 1.1 3

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 5
Date September 8 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: S2 (Portion Bedroom) Wall
Sample Description (Before Testing): Tan plaster - soft

Test No. 1 (Soluble Fraction)
DATA:

1. 168.90 wt. of container A
2. 188.90 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. 47 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. NO hair or fiber present; type: _____
9. 3.46 wt. of sample fines w/paper (after drying)
10. 2.42 wt. of filter paper (after drying)
11. 185.73 wt. of sand & container A (after drying)
12. 10.3 cc of sand
13. 22.94 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
16.77

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2____ - No. 1____
16. 1.04 g wt. of fines: No. 9____ - No. 10____
17. 16.83 g wt. of sand: No. 11____ - No. 1____
18. .6142 sand density: 1.0 ÷ [(No. 13____ - No. 14____) ÷ No. 12____]
19. 2.13 g wt. of soluble content: No. 15____ - (No. 16____ + No. 17____)
20. .0195 mols of CO_2: No. 5____ x No. 3____mm x 0.016 ÷ (No. 4____C + 273.16C.)
21. 1.95 g. wt. of $CaCO_3$: 100 x No. 20____
22. .18 g. wt. of $Ca(OH)_2$: No. 19____ - No. 21____
23. .00243 mols of $Ca(OH)_2$: No. 22____ ÷ 74
24. [1.63] g. total wt. of $Ca(OH)_2$: 74 x (No. 20____ + No. 23____)
25. .86 g. wt. CO_2 No. 20____ x 44
26. 1.93 g. wt. total possible CO_2: 44 x (No. 20____ + No. 23____)
27. [.4455] % CO_2 gain: No. 25____ ÷ No. 26____

CONCLUSIONS:

28. 19.14 g wt. of sample: No. 15____ less CO_2 gain No. 25____
29. [5.43] fines parts/vol.: No. 16____ ÷ No. 28____ = ____% x 1.0 of clay (gypsum 1.0)
30. [54.01] sand parts/vol.: No. 17____ ÷ No. 28____ = ____% x No. 18____
31. [9.37] lime parts/vol.: No. 24____ ÷ No. 28____ = ____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 6
Date September 8 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: P9 (Rear Porch) Wall
Sample Description (Before Testing): Rak Pointing Mortar - soft to medium hard white spots

Test No. 1 (Soluble Fraction)

DATA:

1. 170.59 wt. of container A
2. 190.59 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .43 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.92 wt. of sample fines w/paper (after drying)
10. 2.55 wt. of filter paper (after drying)
11. 185.98 wt. of sand & container A (after drying)
12. 9.3 cc of sand
13. 21.54 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
15.37

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2_____ - No. 1_____
16. 2.37 g wt. of fines: No. 9_____ - No. 10_____
17. 15.39 g wt. of sand: No. 11_____ - No. 1_____
18. .6051 sand density: 1.0 ÷ [(No. 13_____ - No. 14_____) ÷ No. 12_____]
19. 2.24 g wt. of soluble content: No. 15_____ - (No. 16_____ + No. 17_____)
20. .0178B mols of CO_2: No. 5_____ x No. 3_____mm x 0.016 ÷ (No. 4_____C + 273.16C.)
21. 1.79 g. wt. of $CaCO_3$: 100 x No. 20_____
22. .45 g. wt. of $Ca(OH)_2$: No. 19_____ - No. 21_____
23. .0061 mols of $Ca(OH)_2$: No. 22_____ ÷ 74
24. [1.77] g. total wt. of $Ca(OH)_2$: 74 x (No. 20_____ + No. 23_____)
25. .79 g. wt. CO_2 No. 20_____ x 44
26. 1.06 g. wt. total possible CO_2: 44 x (No. 20_____ + No. 23_____)
27. [.7465] % CO_2 gain: No. 25_____ ÷ No. 26_____

CONCLUSIONS:

28. 19.21 g wt. of sample: No. 15_____ less CO_2 gain No. 25_____

6 29. [12.34] fines parts/vol.: No. 16_____ ÷ No. 28_____ = _____% x 1.0 of clay (gypsum 1.0)
6 30. [48.48] sand parts/vol.: No. 17_____ ÷ No. 28_____ = _____% x No. 18_____
1 31. [10.14] lime parts/vol.: No. 24_____ ÷ No. 28_____ = _____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 7
Date September 9 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: Broken masonry opening between trunkroom and den attic
Sample Description (Before Testing): Tan bedding mortar - soft to medium hard - white spots

Test No. 1 (Soluble Fraction)
DATA:

1. 178.55 wt. of container A
2. 198.55 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .53 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.14 wt. of sample fines w/paper (after drying)
10. 2.46 wt. of filter paper (after drying)
11. 194.55 wt. of sand & container A (after drying)
12. 9.9 cc of sand
13. 22.15 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
15.98

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2 ___ - No. 1 ___
16. 1.68 g wt. of fines: No. 9 ___ - No. 10 ___
17. 16.00 g wt. of sand: No. 11 ___ - No. 1 ___
18. .6195 sand density: 1.0 ÷ [(No. 13 ___ - No. 14 ___) ÷ No. 12 ___]
19. 2.32 g wt. of soluble content: No. 15 ___ - (No. 16 ___ + No. 17 ___)
20. .02204 mols of CO_2: No. 5 ___ x No. 3 ___ mm x 0.016 ÷ (No. 4 ___ C + 273.16C.)
21. 2.20 g. wt. of $CaCO_3$: 100 x No. 20 ___
22. .12 g. wt. of $Ca(OH)_2$: No. 19 ___ - No. 21 ___
23. .00157 mols of $Ca(OH)_2$: No. 22 ___ ÷ 74
24. [1.75] g. total wt. of $Ca(OH)_2$: 74 x (No. 20 ___ + No. 23 ___)
25. .97 g. wt. CO_2 No. 20 ___ x 44
26. 1.04 g. wt. total possible CO_2: 44 x (No. 20 ___ + No. 23 ___)
27. [.9325] % CO_2 gain: No. 25 ___ ÷ No. 26 ___

CONCLUSIONS:

28. 19.03 g wt. of sample: No. 15 ___ less CO_2 gain No. 25 ___

6 { 29. [8.83] fines parts/vol.: No. 16 ___ ÷ No. 28 ___ = ___ % x 1.0 of clay (gypsum 1.0)
6 { 30. [52.09] sand parts/vol.: No. 17 ___ ÷ No. 28 ___ = ___ % x No. 18 ___
1 31. [10.01] lime parts/vol.: No. 24 ___ ÷ No. 28 ___ = ___ % x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 8
Date September 8, 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: P7 (Front Second Floor Porch) S2 Window Sill
Sample Description (Before Testing): Pink Pointing Mortar - soft - white spots

Test No. 1 (Soluble Fraction)

DATA:

1. 170.38 wt. of container A
2. 190.38 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. .56 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.40 wt. of sample fines w/paper (after drying)
10. 2.73 wt. of filter paper (after drying)
11. 186.24 wt. of sand & container A (after drying)
12. 9.6 cc of sand
13. 22.00 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
15.83

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2_____ - No. 1_____
16. 1.67 g wt. of fines: No. 9_____ - No. 10_____
17. 15.86 g wt. of sand: No. 11_____ - No. 1_____
18. .6064 sand density: 1.0 ÷ [(No. 13_____ - No. 14_____) ÷ No. 12_____]
19. 2.47 g wt. of soluble content: No. 15_____ - (No. 16_____ + No. 17_____)
20. .02329 mols of CO_2: No. 5_____ x No. 3_____mm x 0.016 ÷ (No. 4_____C + 273.16C.)
21. 2.33 g. wt. of $CaCO_3$: 100 x No. 20_____
22. .14 g. wt. of $Ca(OH)_2$: No. 19_____ - No. 21_____
23. .0019 mols of $Ca(OH)_2$: No. 22_____ ÷ 74

24. [1.86] g. total wt. of $Ca(OH)_2$: 74 x (No. 20_____ + No. 23_____)
25. 1.02 g. wt. CO_2 No. 20_____ x 44
26. 1.11 g. wt. total possible CO_2: 44 x (No. 20_____ + No. 23_____)

27. [92.66] % CO_2 gain: No. 25_____ ÷ No. 26_____

CONCLUSIONS:

28. 18.98 g wt. of sample: No. 15_____ less CO_2 gain No. 25_____

4 29. [8.80] fines parts/vol.: No. 16_____ ÷ No. 28_____ = _____% x 1.0 of clay (gypsum 1.0)
30. [50.67] sand parts/vol.: No. 17_____ ÷ No. 28_____ = _____% x No. 18_____

1 31. [10.78] lime parts/vol.: No. 24_____ ÷ No. 28_____ = _____% x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 9
Date September 8, 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: Behind Closet Wall of T1 (North Bedroom-Third Floor)
Sample Description (Before Testing): Scratch coat of plaster, tan - soft, but brittle

Test No. 1 (Soluble Fraction)
DATA:

1. 184.95 wt. of container A
2. 204.35 wt. of container & sample
3. 762 barometric pressure
4. 20 temperature
5. 1.00 l. of CO_2 released
6. amber filtrate color
7. _____ fines color
8. 4.88 hair or fiber present; type: hair (sparse)
9. 3.43 wt. of sample fines w/paper (after drying)
10. 2.48 wt. of filter paper (after drying)
11. 198.87 wt. of sand & container A (after drying)
12. 9.0 cc of sand
13. 20.64 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder
14.47

COMPUTATIONS:

15. 20.00 g starting wt. of sample: No. 2_____ - No. 1_____
16. .95 g wt. of fines: No. 9_____ - No. 10_____
17. 14.52 g wt. of sand: No. 11_____ - No. 1_____
18. .6220 sand density: 1.0 ÷ [(No. 13_____ - No. 14_____) ÷ No. 12_____]
19. 4.53 g wt. of soluble content: No. 15_____ - (No. 16_____ + No. 17_____)
20. .0416 mols of CO_2: No. 5_____ x No. 3_____ mm x 0.016 ÷ (No. 4_____C + 273.16C.)
21. 4.16 g. wt. of $CaCO_3$: 100 x No. 20_____
22. .37 g. wt. of $Ca(OH)_2$: No. 19_____ - No. 21_____
23. .0050 mols of $Ca(OH)_2$: No. 22_____ ÷ 74
24. [3.45] g. total wt. of $Ca(OH)_2$: 74 x (No. 20_____ + No. 23_____)
25. 1.83 g. wt. CO_2 No. 20_____ x 44
26. 2.05 g. wt. total possible CO_2: 44 x (No. 20_____ + No. 23_____)
27. [89.24] % CO_2 gain: No. 25_____ ÷ No. 26_____

CONCLUSIONS:

28. 16.55 g wt. of sample: No. 15_____ less CO_2 gain No. 25_____

3 {
29. [5.74] fines parts/vol.: No. 16_____ ÷ No. 28_____ = _____ x 1.0 of clay (gypsum 1.0)
30. [54.57] sand parts/vol.: No. 17_____ ÷ No. 28_____ = _____ x No. 18_____
}
1 31. [22.93] lime parts/vol.: No. 24_____ ÷ No. 28_____ = _____ x 1.1

NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
NATIONAL PARK SERVICE
BOSTON, MASSACHUSETTS

MORTAR/PLASTER TEST SHEET
Sample No. 10
Date September 8 1978
Tester Arbogast

IDENTIFICATION:

Park: Tuskegee Institute NHS Building/Site: The Oaks
Location of Sample: East Flanking Wall, Front Veranda (P2) steps
Sample Description (Before Testing): Pink pointing mortar Hard

Test No. 1 (Soluble Fraction)
DATA:

1. 191.09 wt. of container A
2. 211.09 wt. of container & sample
3. 762 barometric pressure
4. 20°C. temperature
5. .220 l. of CO_2 released
6. green filtrate color
7. _____ fines color
8. no hair or fiber present; type: _____
9. 4.77 wt. of sample fines w/paper (after drying)
10. 2.55 wt. of filter paper (after drying)
11. 200.47 wt. of sand & container A (after drying)
12. 6.6 cc of sand
13. 15.71 wt. of graduated cylinder w/sand
14. 6.17 wt. of graduated cylinder

COMPUTATIONS:

15. 20.00g starting wt. of sample: No. 2_____ - No. 1_____
16. 2.22g wt. of fines: No. 9_____ - No. 10_____
17. 9.59g wt. of sand: No. 11_____ - No. 1_____
18. .6918 sand density: 1.0 ÷ [(No. 13_____ - No. 14_____) ÷ No. 12_____]
19. 8.19g wt. of soluble content: No. 15_____ - (No. 16_____ + No. 17_____)
20. .00702 mols of CO_2: No. 5_____ x No. 3_____mm x 0.016 ÷ (No. 4_____C + 273.16C.)
21. .70 g. wt. of $CaCO_3$: 100 x No. 20_____
22. 7.49 g. wt. of $Ca(OH)_2$: No. 19_____ - No. 21_____
23. .1012 mols of $Ca(OH)_2$: No. 22_____ ÷ 74
24. [8.01] g. total wt. of $Ca(OH)_2$: 74 x (No. 20_____ + No. 23_____)
25. 31 g. wt. CO_2 No. 20_____ x 44
26. 4.36 g. wt. total possible CO_2: 44 x (No. 20_____ + No. 23_____)
27. [6.49] % CO_2 gain: No. 25_____ ÷ No. 26_____

CONCLUSIONS:

28. 19.69 g wt. of sample: No. 15_____ less CO_2 gain No. 25_____

1 29. [11.27] fines parts/vol.: No. 16_____ ÷ No. 28_____ = _____% x 1.0 of clay (gypsum 1.0)

3 30. [33.34] sand parts/vol.: No. 17_____ ÷ No. 28_____ = _____% x No. 18_____

4 31. [44.25] lime parts/vol.: No. 24_____ ÷ No. 28_____ = _____% x 1.1

CEMENT (if present)

8:1 sand:p.c.

32. [8.79] portland cement parts/vol.: (If fines from portland cement) No. 16_____ x 1.0 = a. _____ wt. of cement ÷ No. 28_____ = b. _____% x 0.78

33. [ ] natural cement parts/vol.: (If fines from natural cement) No. 16_____ x 1.0 = a. _____ wt. of cement ÷ No. 28_____ = b. _____% x 0.86

34. [42.27] lime w/cement parts/vol.: Cement may not account for total soluble content weight of lime in such a mix. No. 24_____ - (No. 16_____ x 0.2 = a. _____ ÷ No. 28_____ = b. _____% x 1.1 (Quicklime (CaO) factor = 1.97)

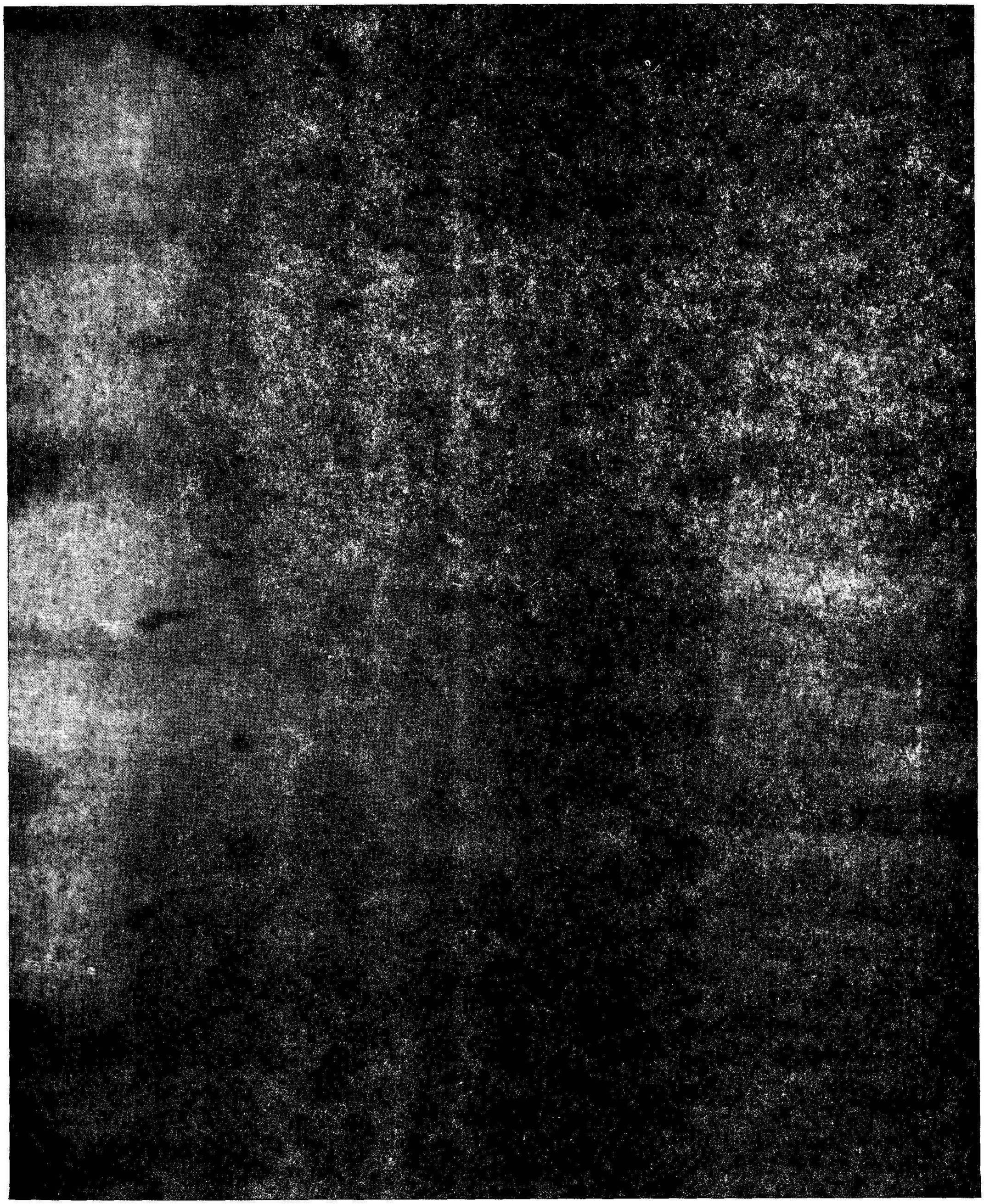
Appendix III - X-Ray Analysis

In the architectural fabric investigation of The Oaks a number of questions arose concerning the age and construction of certain elements, such as walls. Lacking documentary evidence, three alternatives presented themselves. One was to physically open the elements to reveal the necessary architectural evidence. Another was to leave the questions unanswered and make basic assumptions. This is often the approach taken in fabric investigations. The third was to conduct an invetigation of the fabric using polaroid x-ray photography. The last alternative was chosen because of its relatively low expense, its non-destructive technique, and its high degree of accuracy.

In October of 1978 David Arbogast worked with James Skelton of the North Atlantic Historic Preservation Center in Boston in taking a series of x-ray photographs. Their results are as follow:

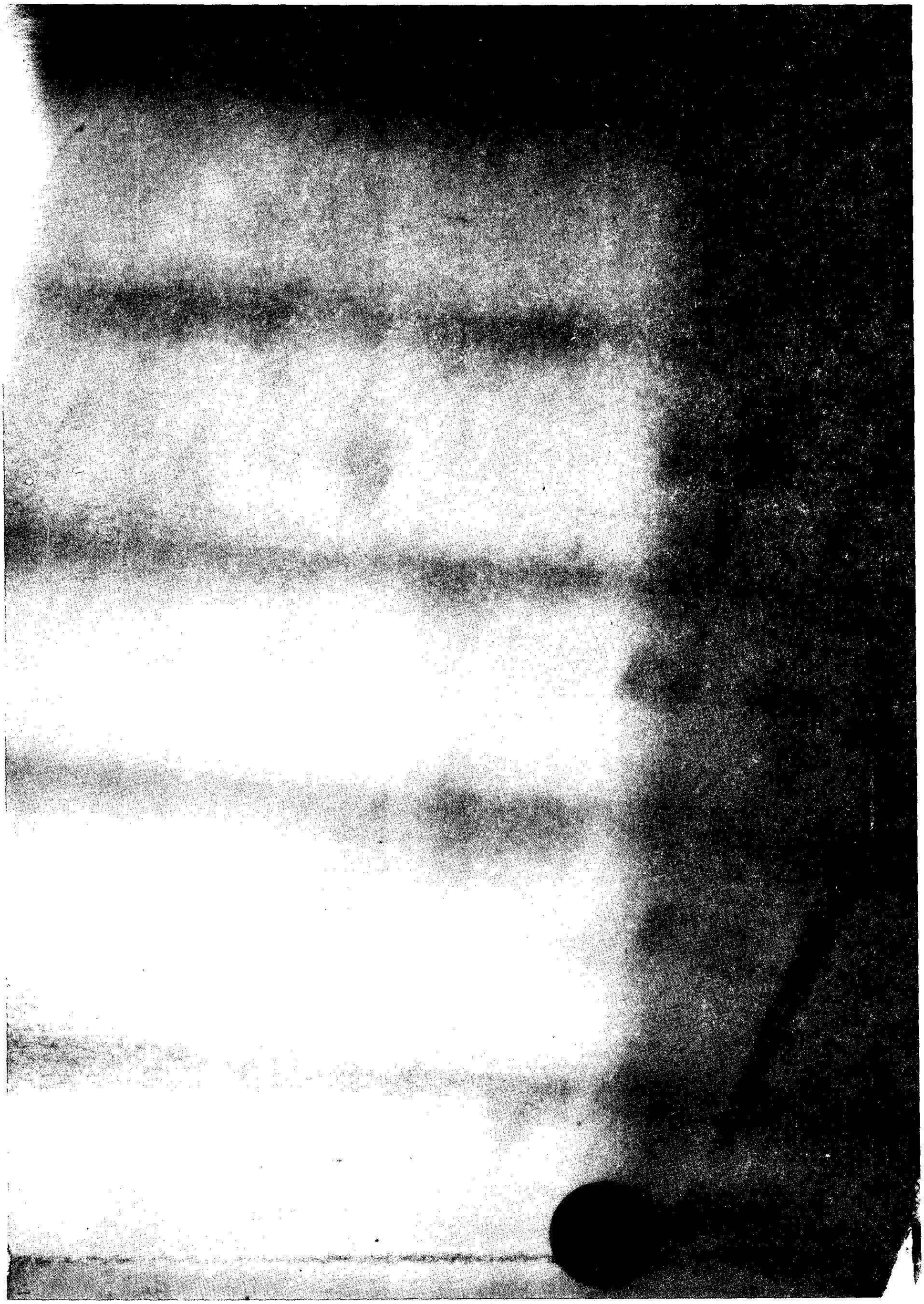
X-Ray 1. Taken through the jamb of the door which once was between the guest room (room 107) and its closet at a height of 3'-8" with thirty-five pulses used.

The later infill of the door is clearly seen in the expanded metal lath in contrast with the historic sawn wood lath of the adjoining wall. It is quite likely that the metal lath was installed by the Institute.



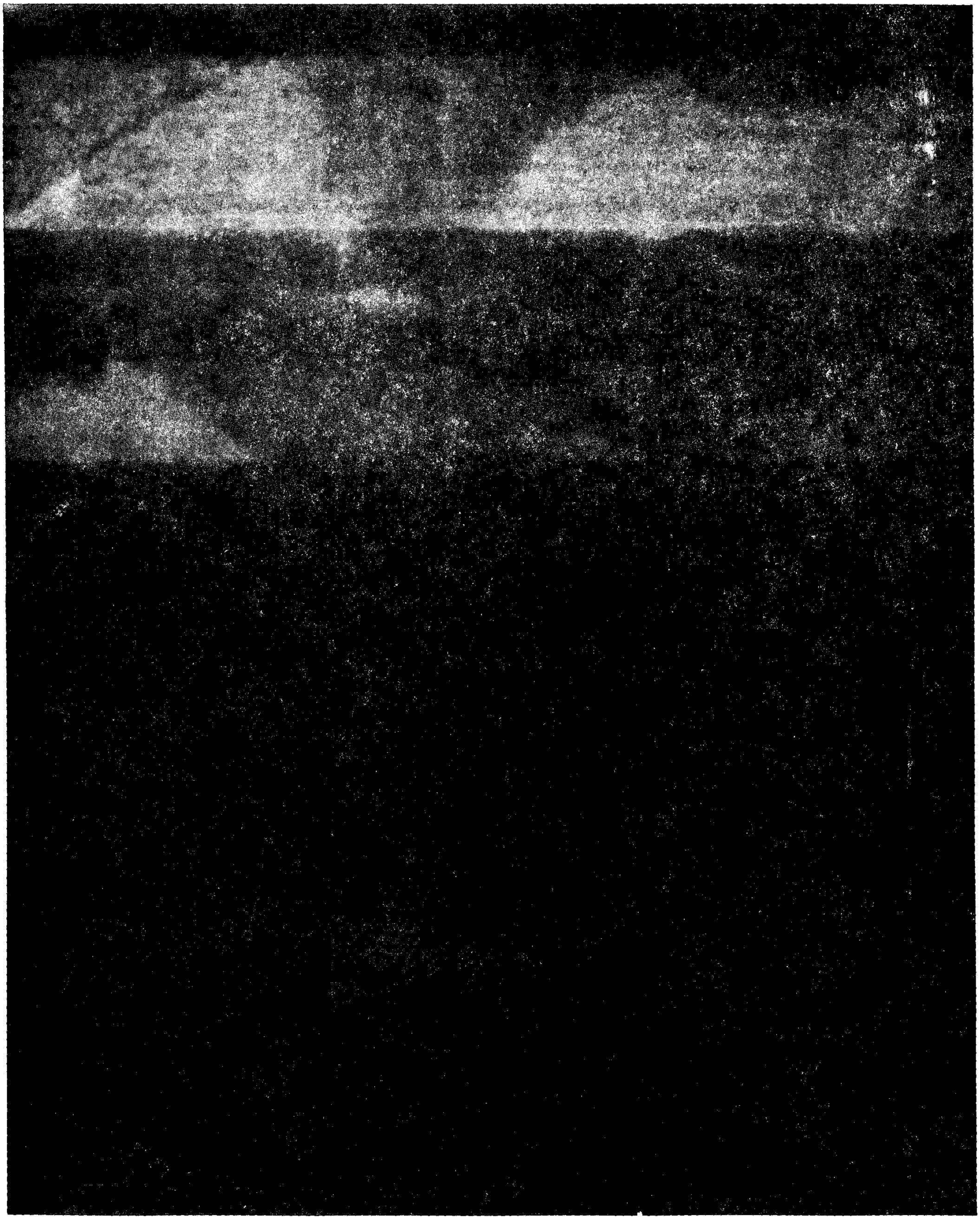
X-Ray 2. Taken through the east wall of the rear hall closet (room 213) at a level equal to the top step in the closet with forty pulses used.

The construction of the wall contains sawn wood lath and cut nails, typical of the period of the original construction of the house. The closet, therefore, was either a part of the original construction or a very early change.



X-Ray 3. Taken through the north wall of the bathroom adjacent to Booker T. Washington's bedroom (r00m 211) at a height of 5'-0" with sixty pulses of energy used.

Taken through the top of the tile wainscoting, it is evident that the historic sawn wood lath extends behind the tilework, as well as the plaster, indicating that the tile is probbaly part of the original construction or a very early addition.

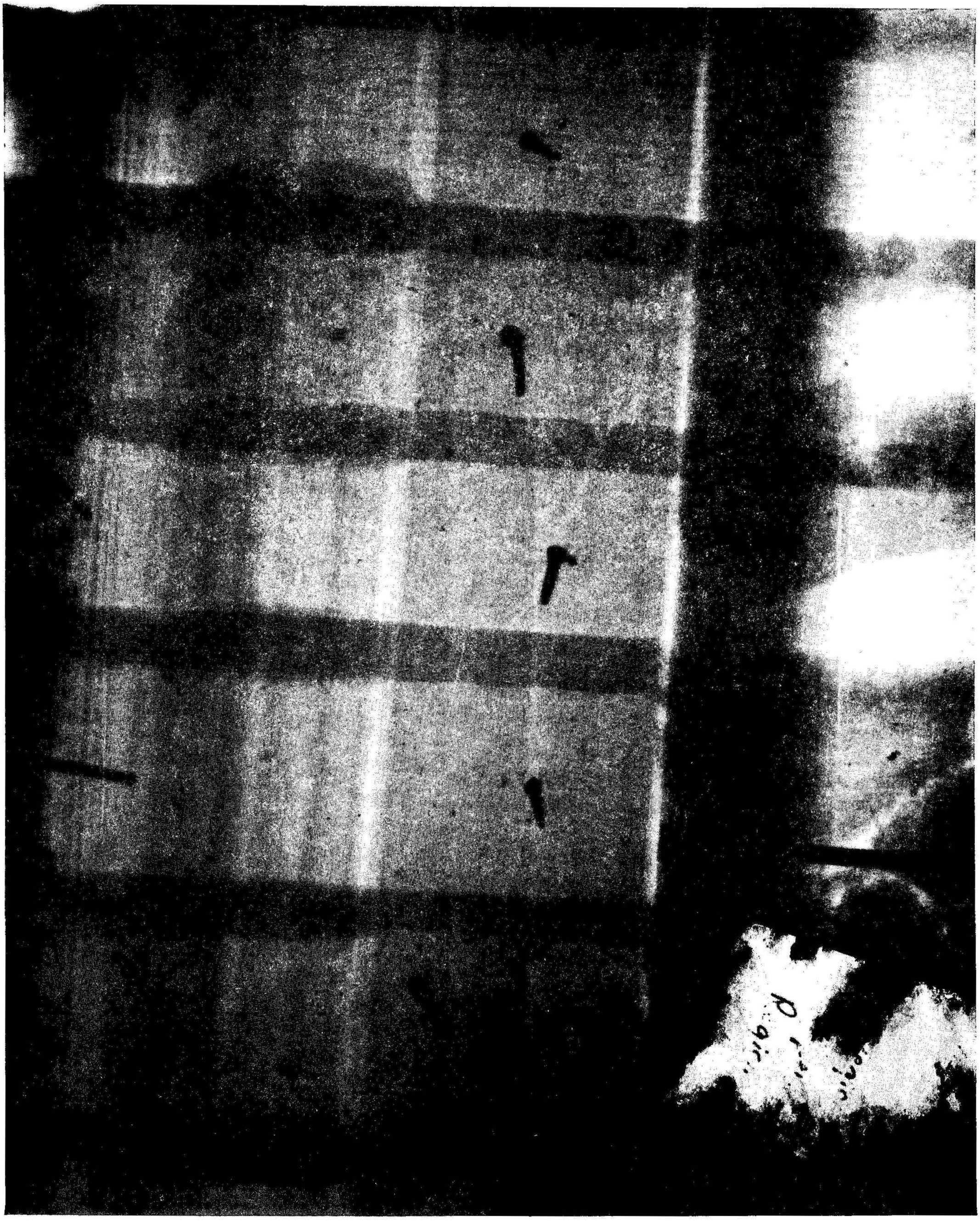


X-Ray 4. Taken through the east wall of the bathroom adjacent to the boys' bedroom (room 208) at a height of 5'-0" using ninety pulses.

Taken through the top of the tile wainscoting and the north jamb of the doorway, the wall is seen as being constructed of sawn wood lath and plaster and tilework with a profusion of wire nails used in the finished millwork. This is in contrast to the cut nails used in basic construction, as seen in x-ray 2.

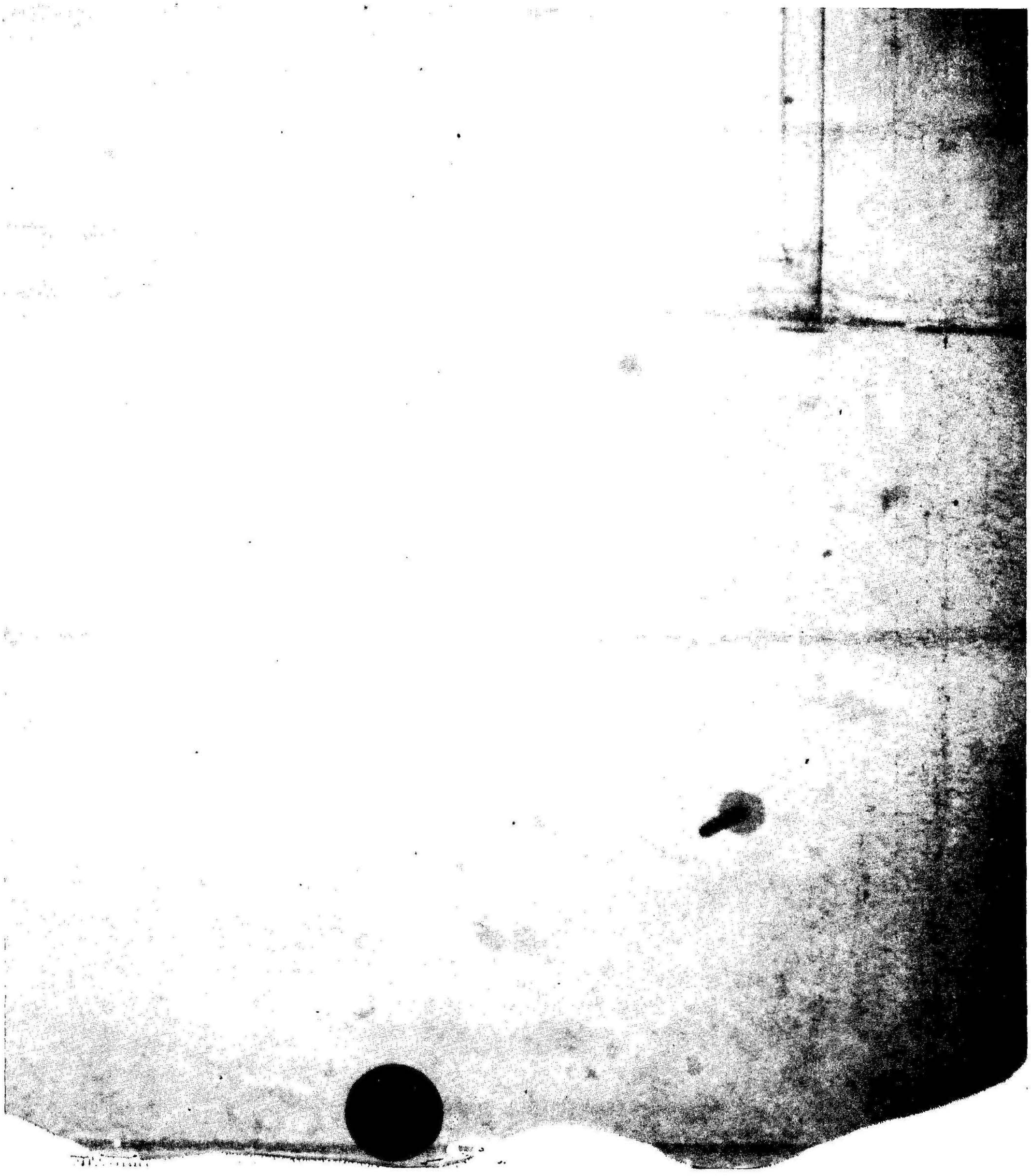
X-Ray 5. Taken through the small doorway near the fireplace in Booker T. Washington's bedroom (room 211) at a height of 4'-8" with thirty pulses used.

Seen in the x-ray is cracking in the plaster, sawn wood lath, small cut nails used with the lath, and large wire nails used in the door frame.



X-Ray 6. Taken through the blocked doorway between Margaret Murray Washington's bedroom (room 204) and the adjacent shower room at a height of 3'-0" with twenty-five pulses used.

The original door is clearly seen in this x-ray. The center rail runs across the lower section, meeting the center stile in the upper righthand corner with the edge molding of the door panel running in the upper left corner. Note the modern wire nail used to fasten the gypsum board infill to the door.



Appendix IV - Hardware Inventory

The Oaks contains a surprisingly large amount of hardware, most of which is historic, but some of which was added during the period following the death of Dr. Washington. There are approximately 88 types of hardware found in the building. Most of the hardware falls into a handful of types with the remaining types being limited primarily to unusual pieces.

The following charts delineate the location, types, description, and recommendations for the hardware. The charts are divided into four divisions - window hardware, door hardware, miscellaneous hardware, and exterior hardware. Because of the general uniformity of the window hardware, the windows have not been listed individually, but, rather, have been described in groups according to the room in which they are found. Door hardware is given according to each door with the doors being identified according to the areas they divide, in numerical order. Thus, the door between the parlor and the front hall is listed as 102/104 followed by parlor/front hall. The conditions listed are as follow: E is excellent, G is good, F is fair, P is poor, and M is missing. Identifying photographs of the types of hardware have been given in conjunction with the charts, where possible. In a few cases where the hardware is missing and there exists no other piece, photography was impossible.

In general, the hardware is in good condition with almost all historic hardware in place. Most of the later hardware is recommended for removal. Some of the historic hardware is in need of repair. In some cases the historic hardware is missing and should be replaced. This is especially true for the shutter hinges, all of which are missing. These are the only really major item of work required for the hardware of The Oaks.

Window Hardware

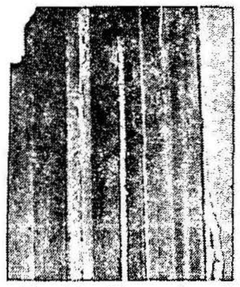
Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
102 (Parlor)	Windows (3)	Sash locks (3)	1	Inst.	x				x	G	None originally				x		
		Sash lifts (6)	2	1899	x				x	G		x					
		Sash cords (6)	3	1899	x		x		x	G	Rope cords	x					
		Shutter hinges (48)	4	1899	x				x	M				x			
		Curtain rods (2)	5	Inst.		x			x	M	Two clips remain				x		
103 (Study)	Windows (4)	Sash locks (4)	1	Inst.	x				x	G	None originally				x		
		Sash lifts (8)	2	1899	x				x	G		x					
		Sash cords (8)	3	1899	x		x		x	G	Rope cords	x					
		Shutter hinges (64)	4	1899	x				x	M				x			
		Curtain rod (1)	5	Inst.		x			x	M	Over E. windows				x		Remove two clips
		Curtain rod (1)	5	Inst.		x			x	G	Over N. window				x		
		Hook	6	Inst.	x				x	G	Over center E. window				x		
104 (Entry Hall)	Window	Sash lock	1	Inst.	x				x	G	None originally				x		
		Sash lifts (2)	2	1899	x				x	G		x					
		Sash cords (2)	3	1899	x		x		x	G	Rope cords	x					
		Shutter hinges (16)	4	1899	x				x	M				x			
		Curtain rod	5	Inst.		x			x	M	Two clips remain				x		
106 (Dining Room Addition)	Windows (4)	Sash locks (4)	1	Inst.	x				x	G	None originally				x		
		Sash lifts (6)	2	1899	x				x	G		x					
		Sash cords (8)	3	1899	x		x		x	F	One cord cut	x	x				Repair cut cord
		Shutter hinges (64)	4	1899	x				x	M				x			
		Curtain rods (2)	5	Inst.		x			x	M	Four clips remain				x		
		Hook	6	Inst.	x				x	M	Over center E. window	x					
107 (Guest Room)	Windows (3)	Sash locks (3)	1	Inst.	x				x	G	None originally				x		
		Sash lifts (6)	2	1899	x				x	G		x					
		Sash cords (2)	3	1899	x		x		x	F	W. window, sash stuck		x				
		Sash cords (2)	3	1899	x		x		x	G	S. window, W. side	x					
		Sash cords (2)	3	1899	x		x		x	F	Blocked shut		x				S. window, E. side
		Shutter hinges (48)	4	1899	x				x	M				x			
		Curtain rods (3)	5	Inst.		x			x	M		x					

Room	Location	Element	Type	Period	Iron	Brass	Other Materi	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
110 (Guest Room Bath)	Window	Sash lock	1	Inst.	x			x		G	None originally				x		
		Sash lifts (2)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (2)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (16)	4	1899	x				x	M				x			
		Curtain rod	5	Inst.		x		x		M	Two clips remain				x		
		Roller shade	7	1899		x		x		M	Two clips remain			x			
111 (Pantry)	Window	Sash lock	1	Inst.	x			x		G	None originally				x		
		Sash lifts (2)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (2)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (16)	4	1899	x				x	M				x			
112 (Break-fast Room)	Windows (2)	Sash locks (3)	1	Inst.	x			x		F	None originally				x		
		Sash lifts (6)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (6)	3	1899	x		x	x		F	Rope cords		x				Strip paint
		Shutter hinges (48)	4	1899	x				x	M				x			
		Curtain rods (3)	5	Inst.		x			x	M		x					
113 (Kitchen)	Windows (3)	Sash locks (3)	1	Inst.	x			x		F	None originally				x		
		Sash lifts (6)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (6)	3	1899	x		x	x		F	Rope cords		x				Strip paint
		Shutter hinges (48)	4	1899	x				x	M				x			
201 (Portias Bedroom)	Windows (3)	Sash lifts (6)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (6)	3	1899	x		x	x		F	Two windows stuck		x				Strip paint
		Shutter hinges (48)	4	1899	x				x	M				x			
		Curtain rods (3)	5	Inst.		x		x		M	Six clips remain				x		
203 (Shower)	Window	Sash lift	2	1899	x			x		G		x	x				Strip paint
		Sash cords (2)	3	1899	x		x	x		P	Rope cords		x				Strip paint
		Shutter hinges (16)	4	1899	x				x	M				x			
		Roller shade	7	1899	x		x	x		F	Canvas shade		x				
204 (MMW's Bedroom)	Windows (3)	Sash lifts (6)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (6)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (48)	4	1899	x				x	M				x			
		Curtain rods (3)	5	Inst.		x		x		M	Six clips remain				x		
		Roller shade	7	Inst.	x		x	x		M	Two clips remain				x		

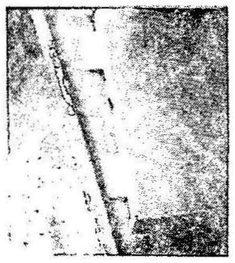
1. Sash lock

2. Sash lift

3. Sash cord



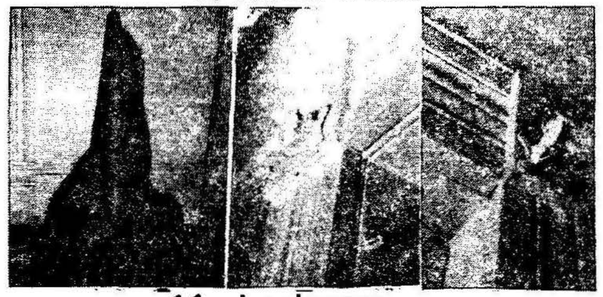
4. Shutter hing



5. Curtain rod

6. Hook

7. Roller shade



8. Sash lift

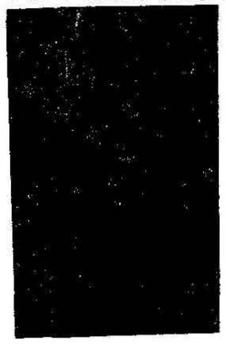
9. Curtain rod

10. Hinge

11. Lockware

12. Curtain rod

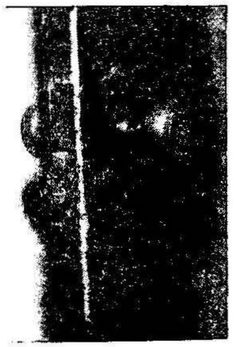
14. Plates and lock



15. Sill lock

16. Hing

17. Lockware



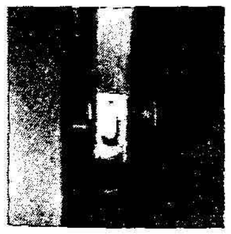
Room	Location	Element	Type	Period	Iron	Brass	Other Materi	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
206 (Front Hall)	Windows (2)	Sash lifts (4)	2	1899	x				x	G		x					
		Sash cords (4)	3	1899	x		x		x	F	N. window stuck		x				
		Shutter hinges (32)	4	1899	x				x	M				x			
		Curtain rods (2)	5	Inst.		x			x	M	Two clips remain				x		
		Roller shades (2)	7	1899	x		x		x	M	Four clips remain			x			
208 (Boys' Bedroom)	Windows (2)	Sash lifts (4)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (4)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
210 (Boys' Bath)	Windows (2)	Sash locks (2)	1	Inst.	x			x		P					x		
		Sash lifts (4)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (4)	3	1899	x		x	x		P	E. window stuck		x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
		Roller shades (2)	7	1899	x		x	x		M	Four clips remain			x			
211 (BTW's Bedroom)	Windows (2)	Sash lifts (4)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (4)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
		Curtain rods (2)	5	Inst.		x		x		M	Four clips remain				x		
		Roller shade	7	Inst	x		x	x		M	2 clips on s. window				x		
212 (BTW's Bathroom)	Window	Sash lift	2	1899	x			x		G		x	x				Strip paint
		Sash cords (2)	3	1899	x		x	x		F	Window stuck		x				Strip paint
		Shutter hinges (16)	4	1899	x				x	M				x			
		Curtain rod	5	Inst.		x		x		M	Two clips remain				x		
		Roller shade	7	1899	x			x		M	Two clips remain			x			
215 (Den)	Windows (3)	Sash lifts (2)	8	1910	x			x		G	On E. windows only	x	x				Strip paint
		Sash cords (4)	3	1910	x		x	x		P	Missing on S. window		x	x			
		Curtain rods (4)	9	Inst.			x	x		G	Wood, with 8 brackets				x	x	Replicas
		Roller shades (3)	7	1910	x		x		x	P	1 shade, 4 clips left		x	x			
	Window (missing - replaced with doorway)	Sash lift	8	1910	x				x	M				x			
		Sash cords (2)	3	1910	x		x		x	M	Rope cords			x			
		Roller shade	7	1910	x		x		x	M	Canvas shade			x			

Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
301 (North Bedroom)	Windows (2)	Sash lifts (4)	2	1899	x			x		F	2 on W. window gone	x	x	x			Strip paint
		Sash cords (4)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
303 (Hall)	Window	Sash lifts (2)	2	1899	x				x	G		x					
		Sash cords (2)	3	1899	x		x		x	G	Rope cords	x					
		Shutter hinges (16)	4	1899	x				x	M				x			
		Curtain rod	5	Inst.		x			x	M	Two clips remain				x		
304 (East Bedroom)	Windows (2)	Sash lifts (4)	2	1899	x				x	M				x			
		Sash cords (4)	3	1899	x		x	x		F	One cord cut		x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
		Roller shade(s)	7	1899	x		x	x		M	One clip remains	x					
309 (West Bedroom)	Windows (2)	Sash lifts (4)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (4)	3	1899	x		x	x		G	Rope cords	x	x				Strip paint
		Shutter hinges (32)	4	1899	x				x	M				x			
310 (Bath)	Window	Sash lifts (2)	2	1899	x			x		G		x	x				Strip paint
		Sash cords (2)	3	1899	x		x	x		F	Window stuck		x				Strip paint
		Shutter hinges (16)	4	1899	x				x	M				x			
001 (Stair)	Window	Sash lock	1	Inst.	x			x		M				x			
002 (Basement)	Windows (3)	Sash locks (3)	1	Inst.	x			x		F		x					

Door Hardware

Room	Location	Element	Type	Period	Iron	Brass	Other Materi	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
101/Ext.	Foyer/Porch One	Hinges (2)	10	1899	x				x	G		x					
		Lockware	11	1899		x			x	G	Moved from s. side	x					
		Roller shade	7	1899		x			x	M	Two clips remain			x			
		Curtain rods (2)	12	1899	x				x	M	Four clips remain			x			
102/103	Parlor/Study	Head track	13	1899	x				x	G		x					
		Plates and lock	14	1899		x			x	G		x					
		Sill lock	15	1899		x			x	G		x					
102/104	Parlor/Front Hall	Head track	13	1899	x				x	G		x					
		Plates and lock	14	1899		x			x	G		x					
		Sill lock	15	1899		x			x	G		x					
103/104	Study/Front Hall	Hinges (2)	16	1899	x				x	G		x					
		Latchware	17	1899	x				x	G		x					
		Lock	18	Inst.		x			x	E	"Weiser" brand				x		
		Transom hinges (2)	19	1910	x				x	G		x					
103/105	Study/Dining Room	Head track	13	1899	x				x	G		x					
		Plates and lock	14	1899		x			x	G		x					
		Sill lock	15	1899		x			x	G		x					
104/Ext.	Front Hall/Porch Two	Hinges (4)	10	1899	x				x	G		x					
		Lockware	20	1910		x			x	G		x					
		Sill lock	21	1910	x				x	G		x					
		Head lock	22	1899	x				x	G		x					
		Curtain rods (8)	12	1899	x				x	M	Fifteen clips remain			x			
		Transom rods (2)	23	1899	x				x	M	Six clips remain			x			
104/105	Front Hall/Dining Room	Hinges (2)	16	1899	x				x	G		x					
		Latchware	17	1899	x				x	G		x					
		Lock	18	Inst.		x			x	E	"Weiser" brand				x		
		Transom opener	24	1899	x				x	F			x				
		Transom hinges (2)	25	1899	x				x	G		x					

18. Lock



19. Transom hing

20. Lockware

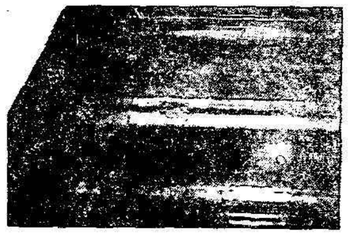
21. Sill lock

22. Head lock

23. Transom rod

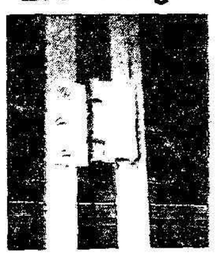
24. Transom opener

25. Transom hinge

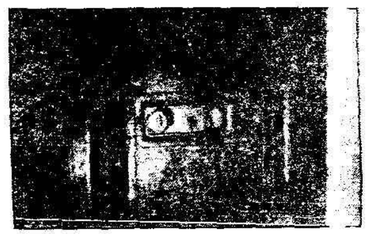


26. Head hing

27. Hinge

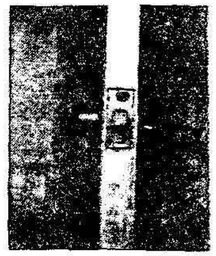


29. Lock

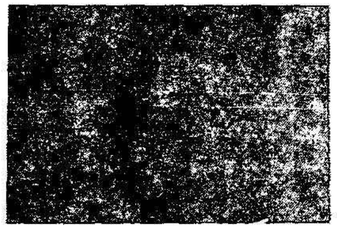


30. Lockware

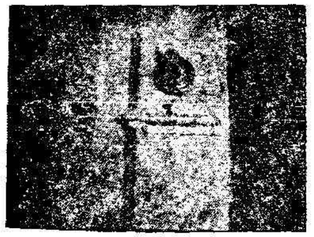
31. Lock



32. Hook and eye



33. Barrel bolt



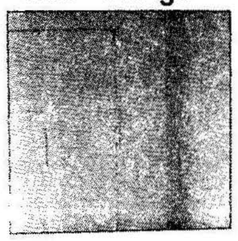
Room	Location	Element	Type	Period	Iron	Brass	Other Materia	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
105/111	Dining Room/Pantry	Head hinge	26	1925		x		x		G					x		
		Hinges (2)	16	1899	x				x	M	For single-swinging dr			x			
		Lockware	17	1899	x				x	M				x			
		Transom hinges (2)	19	1899	x			x		G		x	x				Strip paint
		Transom opener	24	1899	x			x		F			x				Strip paint
106/Ext.	Dining Room Addition/Exterior	Hinges (2)	27	1899	x				x	G							
		Lockware	11	1899	x				x	F			x				
		Curtain rods (2)	12	1899	x				x	M	Three clips remain			x			
107/108	Guest Room/Closet	Hinges (2)	16	1899	x				x	M				x			
		Lockware	17	1899	x				x	M				x			
		Transom opener	24	1899	x				x	M				x			
		Transom hinges (2)	25	1899	x				x	M				x			
107/109	Guest Room/Rear Hall	Hinges (2)	16	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Transom opener	24	1899	x				x	F			x				
		Transom hinges (2)	25	1899	x				x	G		x					
107/110	Guest Room/Bath	Hinges (2)	16	1899	x			x		F			x				Strip paint
		Lockware	17	1899	x			x		P	Missing 2 knobs & plate		x	x			
109/110	Rear Hall/Bath	Hinges (2)	16	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x			x					
109/Ext.	Rear Hall/Porch Six	Hinges (2)	16	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Transom opener	24	1899	x				x	G		x					
		Transom hinges (2)	28	1899	x				x	G		x					
		Curtain rods (4)	12	1899	x				x	M	Four clips remain			x			
109/001	Rear Hall/Stair	Hinges (2)	16	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					

Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
112/Ext.	Breakfast Room/ Porch Six	Hinges (2)	16	1899	x			x		G		x	x				Strip paint
		Lockware	30	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand			x			
		Transom opener	24	1899	x			x		F			x				Strip paint
		Transom hinges (2)	27	1899	x			x		G		x	x				Strip paint
112/113	Breakfast Room/ Kitchen	Hinges (2)	16	1899	x			x		G		x	x				Strip paint
		Lockware	30	1899	x			x		G		x	x				Strip paint
		Lock	31	Inst.		x			x	E	"Yale" brand				x		
112/001	Breakfast Room/ Stair	Hinges (2)	16	1899	x				x	G	Originally on w. side	x					
		Lockware	17	1899	x				x	G	Originally on e. side	x					
		Hook and eye	32	Inst.	x				x	E					x		
113/Ext.	Kitchen/Porch Six	Hinges (2)	16	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
201/202	Portia's Bedroom/ Closet	Hinges (2)	27	1899	x			x		G	Rehung		x				Rehang, strip paint
		Lockware	17	1899	x				x	G	Rehung		x				
		Lock	29	Inst.		x			x	M	"Yale" brand		x				
201/203	Portia's Bedroom/ Shower	Hinges (2)	16	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	31	Inst.		x			x	E	"Yale" brand				x		
		Barrel bolt	33	1899	x			x		F	Shower side			x			Strip paint
		Hook and eye	32	Inst.	x			x		G					x		
201/204	Portia's Bedroom/ MMW's Bedroom	Hinges (2)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	G		x					
201/205	Portia's Bedroom/ Front Hall	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Barrel bolt	34	Inst.	x				x	E					x		

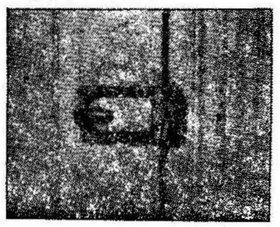
Room	Location	Element	Type	Period	Iron	Brass	Other Materia	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
202/204	MMW's Bedroom/ Shower	Hinges (2)	27	1899	x				x	P	Covered		x				
		Lockware	17	1899	x				x	P	Covered, knobs gone		x	x			
204/205	MMW's Bedroom/ Closet	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
204/206	MMW's Bedroom/ Front Hall	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	31	Inst.		x			x	E	"Yale" brand				x		
204/211	MMW's Bedroom/ BTW's Bedroom	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Barrel bolt	34	Inst.	x				x	E					x		
204/Fire	MMW's Bedroom/ Fireplace	Hinges (2)	36	1899	x			x		G		x	x				Strip paint
206/Ext.	Front Hall/Porch Seven	Hinges (2)	16	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Transom opener	24	1899	x				x	F			x				
		Transom hinges (2)	28	1899	x				x	G		x					
		Roller shade	7	1899	x				x	M	Two clips remain			x			
		Curtain rods (4)	12	1899	x				x	M	Six clips remain			x			
207/208	Rear Hall/Boys' Bedroom	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Barrel bolt	33	1899	x			x		F	Bedroom side		x				Strip paint
207/209	Rear Hall/Boys' Bathroom	Hinges (2)	10	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Barrel bolt	33	1899	x			x		G		x	x				Strip paint
207/211	Rear Hall/ BTW's Bedroom	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	37	Inst.		x			x	E	"Yale" brand				x		
		Barrel bolt	34	Inst.	x				x	E					x		

34. Barrel bolt

36. Hinge

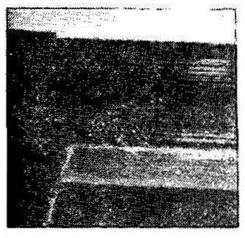


37. Lock

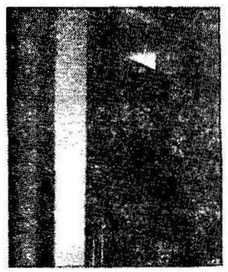


38. Hinge

39. Transom hinge

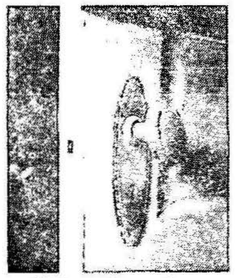


40. Transom opener

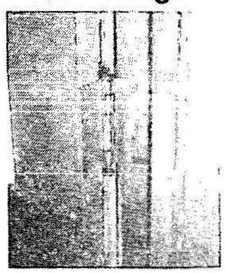


41. Hasp

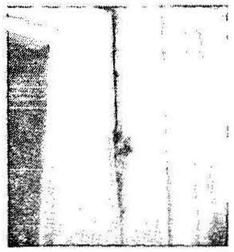
42. Lockware



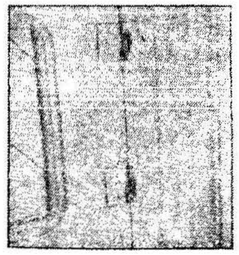
43. Hinge



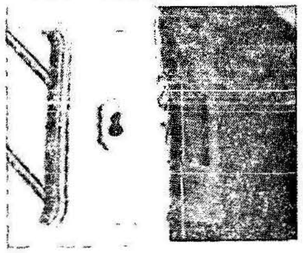
44. Transom hinge



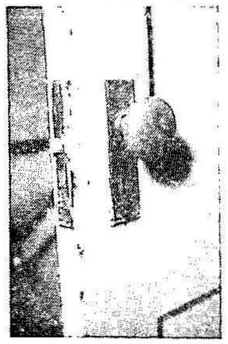
45. Hinge



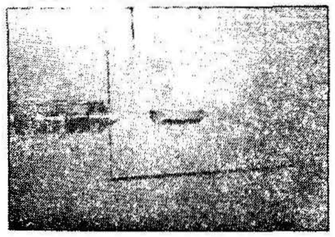
46. Lock



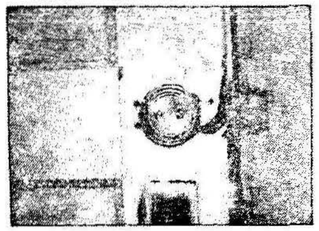
47. Lockware



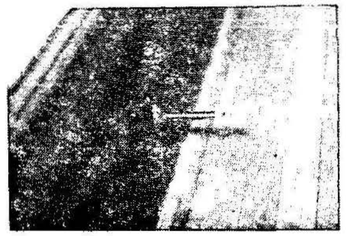
48. Handle



49. Lock



50. Door bumper



Room	Location	Element	Type	Period	Iron	Brass	Other Materia	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
207/213	Rear Hall/Closet	Hinges (2)	10	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
		Hook and eye	32	Inst.	x				x	G					x		
207/214	Rear Hall/Den Entry	Hinges (2)	10	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Transom opener	24	1899	x				x	G		x					
		Transom hinges (2)	25	1899	x				x	G		x					
		Roller shade	7	1899	x		x		x	M	Two clips remain			x			
207	Rear Hall/Wall	Hinges (2)	38	1899	x				x	G		x					
208/209	Boys'Bedroom/Bath	Hinges (2)	10	1899	x			x		F			x				Strip paint
		Lockware	17	1899	x			x	x	P	Missing knobs		x	x			Strip paint
		Barrel bolt	33	1899	x			x		F			x				Strip paint
208/210	Boys' Bedroom/ Closet	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
211/212	BTW's Bedroom/Bath	Hinges (2)	27	1899	x			x		G		x	x				Strip paint
		Lockware	17	1899	x				x	G		x					
		Hook	32	Inst.	x			x		F	Missing eye				x		
		Transom opener	24	1899	x			x		F			x				Strip paint
		Transom hinges (2)	28	1899	x			x		G		x	x				Strip paint
214/Ext.	Den Entry/Porch Eight	Hinges (2)	10	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Transom opener	24	1899	x				x	G		x					
		Transom hinges (2)	39	1899	x				x	G		x					
214/Ext.	Den Entry/Porch Nine	Hinges (2)	10	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Transom opener	40	1899	x				x	F			x				
		Transom hinges (2)	10	1899	x				x	G		x					
		Hasp	41	Inst.	x				x	G					x		

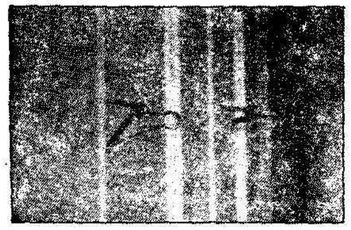
Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
214/215	Den Entry/Den	Hinges (2)	10	1910	x				x	G		x					
		Lockware	42	1910	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand				x		
215/Ext.	Den/Porch Nine	Hinges (2)	43	Inst.		x			x	E					x		
		Lockware	30	Inst.	x				x	G					x		
		Lock	29	Inst.		x			x	E					x		
301/302	North Bedroom/ Closet	Hinges (2)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	G		x					
301/303	North Bedroom/Hall	Hinges (2)	16	1899	x			x		G		x					
		Lockware	17	1899	x				x	G	Modern knobs	x					
		Lock	31	Inst.		x			x	E		x					
		Transom opener	24	1899	x			x		F		x					
		Transom hinges (2)	44	1899	x				x	F		x					
301	North Bedroom/Wall	Hinges (2)	45	1899	x			x		G		x					
		Lock	46	1899	x			x	x	G		x					
303/304	Hall/East Bedroom	Hinges (2)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	18	Inst.		x			x	E	"Weiser" brand	x					
		Transom opener	24	1899	x			x		F		x					
		Transom hinges (2)	44	1899	x				x	F		x					
303/306	Hall/Trunk Room	Hinges (2)	27	1899	x				x	G		x					
		Lockware	17	1899	x				x	F	Missing one knob	x					
		Lock	29	Inst.		x			x	F	Missing keeper	x					
303/308	Hall/West Attic	Hinges (2)	27	1899	x				x	G		x					
		Lockware	17	1899	x				x	F	Missing knob	x					
		Lock	29	Inst.		x			x	P	Missing lockbox	x					

Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
303/309	Hall/West Bedroom	Hinges (2)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand	x					
		Transom opener	24	1899	x			x		F		x					
		Transom hinges (2)	44	1899	x				x	F		x					
303/310	Hall/Bathroom	Hinges (2)	10	1899	x				x	G		x					
		Lockware	17	1899	x				x	G		x					
		Hook and eye	32	Inst.	x				x	G		x					
304/305	East Bedroom/ Closet	Hinges (2½)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	G		x					
		Lock	29	Inst.		x			x	G	"Yale" brand	x					
310/311	Bathroom/South Attic	Hinges (2)	27	1899	x			x		G		x					
		Lockware	17	1899	x				x	F		x					
		Lock	29	Inst.		x			x	G	"Yale" brand	x					
001	Stair/Landing	Hinges (2)	43	Inst.		x			x	E						x	
		Lockware	47	Inst.		x		x		G						x	
001/002	Stair/Basement	Hinges (2)	16	1899	x			x		G		x					
		Lockware	47	1899	x				x	G		x					
		Lock	28	Inst.		x			x	E		x					
001/004	Stair/Crawlspace	Hinges (2)	10	1899	x				x	G		x					
		Handle	48	1899	x				x	G		x					
		Barrel bolt	32	1899	x			x	x	G		x					
002/Ext.	Basement/Exterior	Hinges (2)	10	1899	x			x		G		x					
		Lockware	29	1899	x				x	G		x					
		Lock	28	Inst.		x			x	M		x					
		Lock	49	Inst.		x			x	E		x					
002/003	Basement/Storage	Hinges (2)	38	Inst.	x			x	x	G		x					
		Lockware	29	Inst.	x				x	G		x					

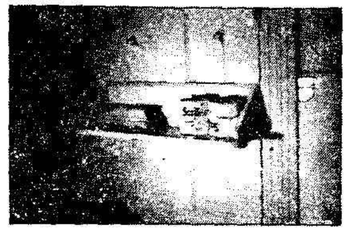
51. Metal strap

52. Wood door bumper

53. Towel rod



54. Shelf



55. Upper lock

56. Upper lock

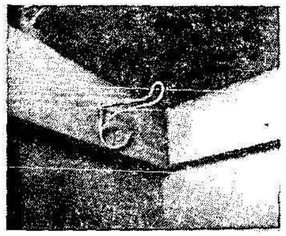
57. Lower hinge

58. Lower latch

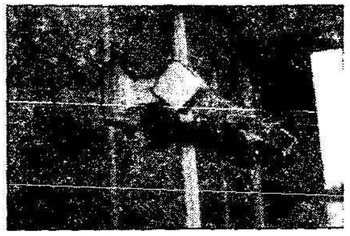
59. Lower lock

60. Coat hook

61. Coat hook -

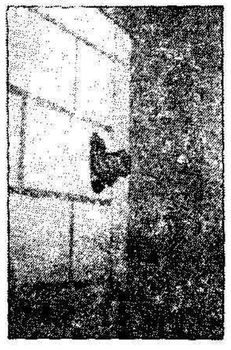


62. Towel rod

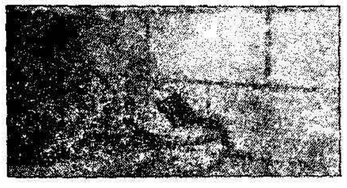


63. Towel rod

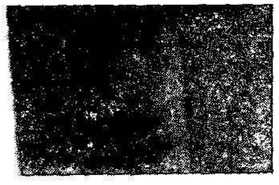
64. Shower rod



65. Curtain hook



66. Hook



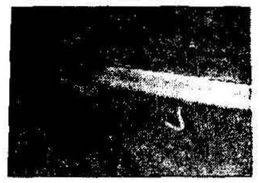
Room	Location	Element	Type	Period	Iron	Brass	Other Mater	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
103	South baseboard	Door bumper	50	Inst.		x	x		x	F	Missing rubber tip				x	x	Wood bumper
104	North wainscoting	Metal strap	51	Inst.	x				x	F					x		
105	North baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
106	South baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
107	North baseboard	Door bumper	53	1899	x		x	x	x	P	Wood		x				
110	West door	Towel rod	53	1899	x			x		P			x				
		Shelf	54	Inst.			x	x		F	Wood				x		
111	Cabinet	Upper hinges (8)	28	1899	x				x	G		x					
		Upper locks (2)	55	1905	x				x	G		x					
		Upper locks (2)	56	1899	x				x	M	Above existing locks	x					
		Lower hinges (8)	57	1899	x				x	G		x					
		Lower latches (4)	58	1899		x			x	F			x				
		Lower locks (2)	59	1910	x				x	P			x				
202	Hookboards	Coat hooks (5)	60	Inst.		x			x	P	One broken, two gone	x					
		Coat hooks (4)	61	1899	x			x		F	One broken	x					
203	West door	Towel rod	62	Inst.			x		x	G	Porcelain	x					
		Towel rod	63	Inst.			x		x	P	Plastic, missing rod	x					
		Shower rod	64	Inst.	x				x	M		x					
		Curtain hook	65	Inst.	x				x	G		x					
205	Fireplace cabinet	Hook	66	1899		x			x	G		x					
	West baseboard	Door bumpers (2)	52	1899			x		x	M						x	Wood bumpers
206	Hookboards	Coat hooks (6)	60	Inst.		x			x	P	One broken, two gone	x					
		Coat hooks (15)	61	1899	x			x		P	Thirteen missing	x					
207	North wainscoting	Metal strap	51	Inst.	x				x	F					x		
	North baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
208	North baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
	South baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
209	Hookboards	Coat hook	60	Inst.		x			x	G		x					
		Coat hooks (8)	61	1899	x				x	P	Six missing	x					

Room	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
210	Door to Bedroom	Towel rod	62	1899	x			x		F		x					Strip paint
	Door to Rear Hall	Towel rod	63	Inst.			x	x		P	Porcelain, broken				x		
	East wall	Towel rod	64	1899	?				?	M				x			
	North wall	Sink shelf	65	1899	?				?	M				x			
		Towel rod	66	1899	?				?	M				x			
	South wall	Paper dispenser	67	1899	?				?	M				x			
211	South baseboard	Door bumper	52	1899			x	x		G						x	Wood bumper
212	Door	Towel rods (2)	62	1899	x			x		G		x	x				Strip paint
	South wall	Towel rod	68	Inst.			x	x		F	Wood	x					
	West wall	Towel rod	66	1899	?				?	M		x					
	Door	Hooks (3)	69	1899	x			x		F		x					
213	Hookboards	Coat hooks (14)	61	1899	x			x		F		x					
	Door lintel	Hook	66	1899		x		x		G		x					
301	South baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
302	Hookboards	Coat hooks (5)	60	1899	x			x		F	One missing	x					
303	East wainscoting	Metal strap	51	Inst.	x				x	F		x					
	Stair well	Door bell	70	1899	x				x	F		x					
304	West baseboard	Door bumper	52	1899			x		x	M		x					
305	Hookboards	Coat hook	60	Inst.		x			x	E		x					
		Coat hooks (10)	61	1899	x			x		P	Eight missing	x					
310	Wainscoting rail	Towel rods (2)	71	1905			x	x	x	F	Porcelain	x					
	East wall	Towel rod	72	1905			x	x	x	F	Porcelain	x					
		Soap dish	73	1905			x		x	F	Porcelain	x					
																x	Paper dispenser
																x	Towel dispenser
001	North baseboard	Door bumper	52	1899			x		x	M						x	Wood bumper
	Ceiling	Door stop	74	1899	x			x		G		x					

Exterior Hardware

Area	Location	Element	Type	Period	Iron	Brass	Other Material	Painted	Unpainted	Condition	Comments	Preserve	Repair	Replace	Remove	Install	Comments
Porch One	Screen door	Hinges (2)	10	1925	x				x	G					x		
		Handle	75	1925	x				x	G					x		
		Spring	76	1925	x				x	G					x		
		Hook and eye	33	1925	x				x	G					x		
Porch Two	West beam	Electric fixture	77	1899	x			x		P	Purpose unknown		x				
Porch Four	Lattice door	Hinges (2)	78	Inst.	x			x		F		x					
		Hasp and padlock	41	Inst.	x			x		F		x					
Porch Five	Door to Porch Six	Hinges (2)	43	Inst.		x			x	E					x		
		Lockware	79	Inst.		x			x	E					x		
Porch Six	Cabinet	Hinges (9)	80	Inst.	x				x	E					x		
		Handles (3)	81	Inst.	x				x	E					x		
	Door to exterior	Hinges (2)	10	Inst.		x			x	G					x	x	Historical type
		Lockware	82	Inst.		x			x	E					x	x	Historical type
	Lattice door	Hinges (2)	78	Inst.	x			x		F		x					
		Hasp and padlock	41	Inst.	x				x	F		x					
Porch Seven	Screen door	Hinges (2)	28	1925	x			x		G					x		
		Handle	75	1925	x			x		G					x		
		Spring	83	1925	x				x	G					x		
Porch Eight	South wall	Hinges (4)	84	1899	x			x		F			x				
	Northwest corner	Eye	33	1899	x			x		F	No hook			x			Replace hook
South Den Elevation	Door hood	Bolts (2)	85	1910	x			x		F	With square nuts	x					
	Wall	Miscellaneous iron	86	1910+	x				x	P		x					
S. Dining Room Add. Elevation	Screen door	Hinges (2)	87	1925	x			x		F					x		
		Handle	75	1925	x			x		F					x		
		Hook and eye	33	1925	x			x		F					x		

69. Hook



70. Door bell

71. Towel rod

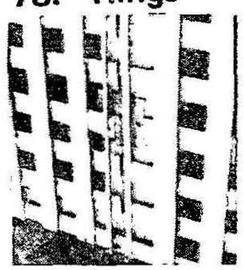
72. Towel rod
73. Soap dish

75. Handle

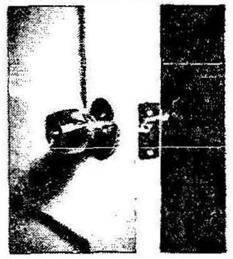
76. Spring

77. Electric fixture

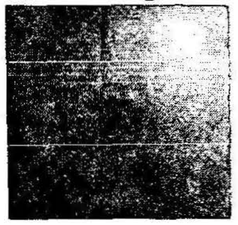
78. Hinge



79. Lockware

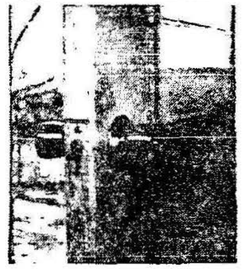


80. Hinge



81. Handle

82. Lockware

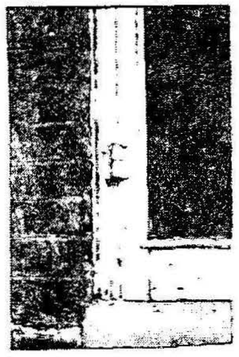


84. Hinge

85. Bolt

86. Miscellaneous iron

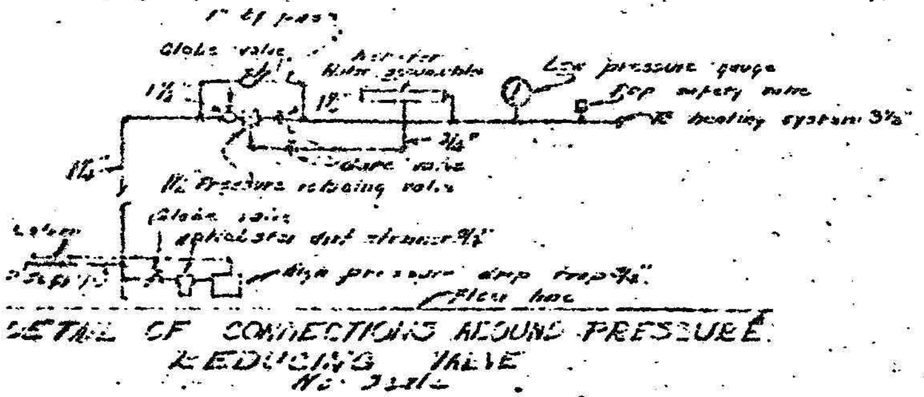
87. Hinge



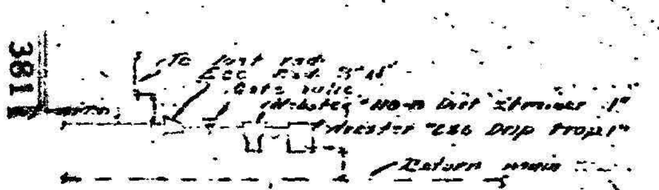
Appendix V.- 1929 Radiator System Drawings

Four sheets of drawings survive from the installation of the radiator system of The Oaks in 1929. There were apparently only four sheets in the original set of drawings. Each sheet deqpicts a floor plan of the building. The drawings contain many inaccuracies in the basic configuration and dimensions of the rooms. A comparison between them and the 1978 Historic American Buildings Survey drawings is suggested. However, in terms of the radiator system, the drawings are relatively accurate. The original drawings were not available for reproduction in this appendix. Therefore, only prints of a relatively poor quality were used. The prints from which the following copies were made are located at the Denver Service Center.

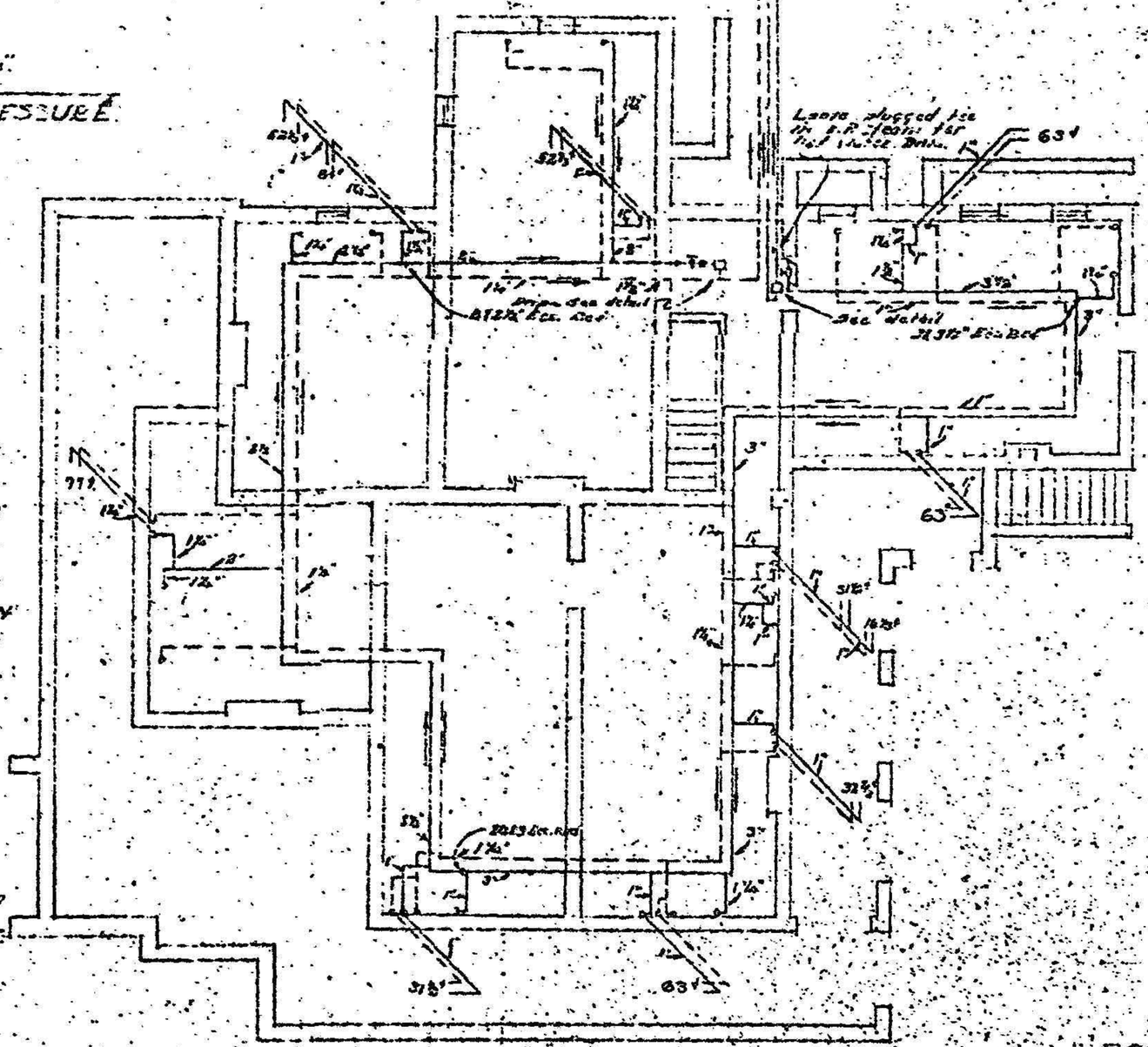
1. Basement Plan. Note that the base walls for the verandas and porches was depicted in its present configuration and not that of its original construction. Although portions of wall below the north and west of the study are shown this is probably a drafting error as these walls were never constructed. Note that the storage room (room 003) is not shown. It was probably constructed at a later date.



DETAIL OF CONNECTIONS AROUND PRESSURE REDUCING VALVE
No Scale



METHOD OF DRIPPING END OF MAIN
No Scale



BASEMENT PLAN
Scale 1/8"=1'-0"

GENERAL NOTES:

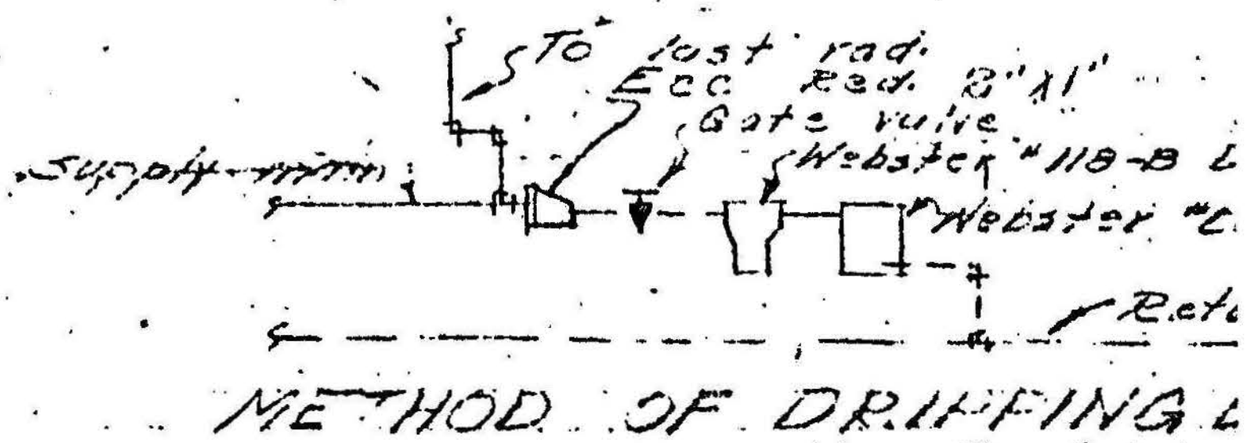
Start all mains as far as possible and run in direction indicated by arrows. Run all supply mains and risers up to 3rd floor and grade 1" in 40'. Run all return mains and risers to be 1" in 40' to boiler.

All joints, unions and risers to be 3/4" or as otherwise noted.

Scale of all drawings of work.

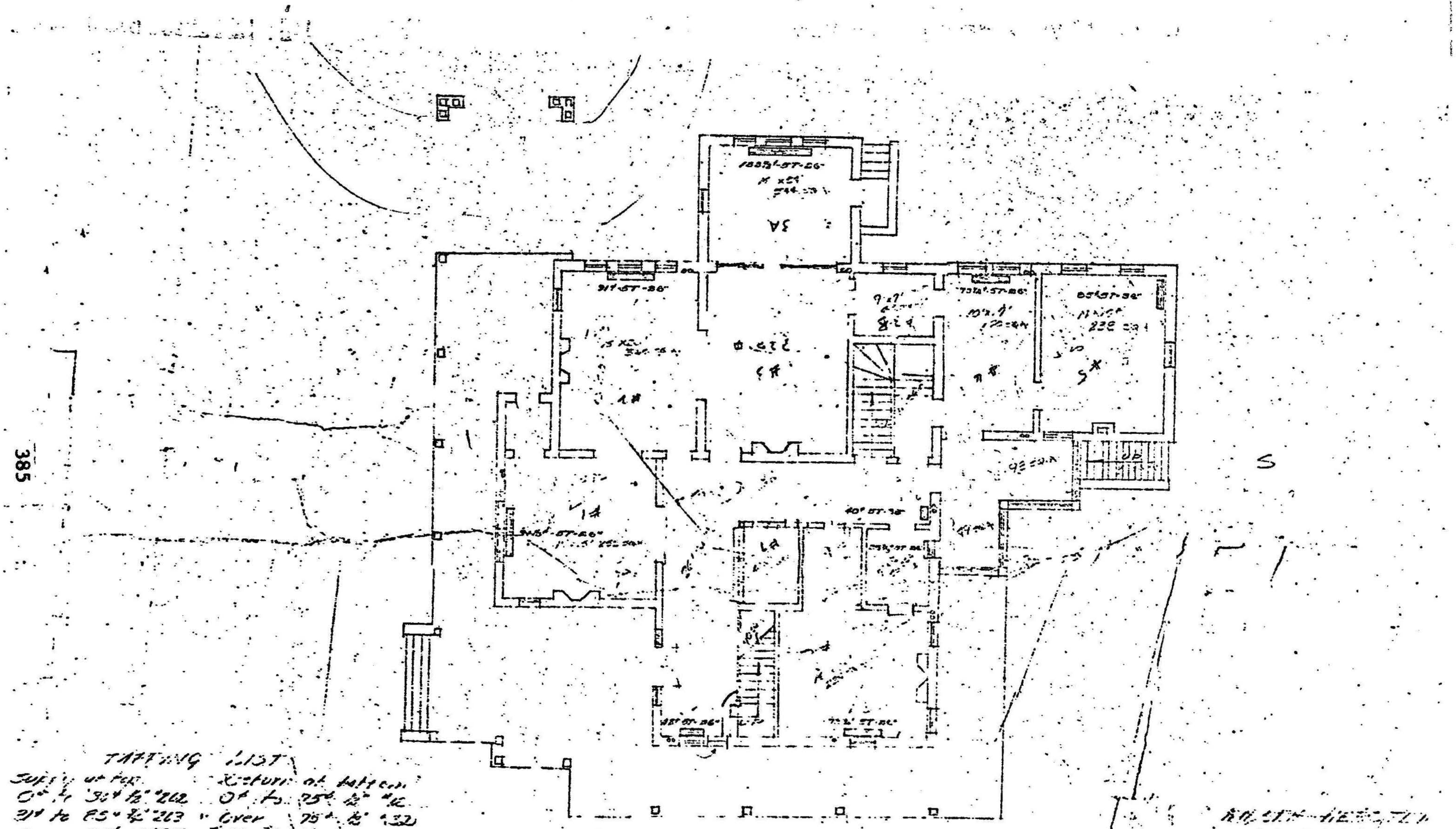
WARREN WEBSTER SYSTEM
OF STEAM HEATING
FOR THE
BOOKER T. WASHINGTON MEMORIAL
TUSKEGEE N.&I. INST. TUSKEGEE

1a. Note on lower left margin of Basement Plan. The date, 6-26-29, appears only on this drawing, affirming the construction period of the radiator system as being undertaken by the Institute. The reference on the title to the "Booker Washington Memorial Residence" also substantiates that fact that the radiator system was installed after the house had ceased being used for active residential purposes.

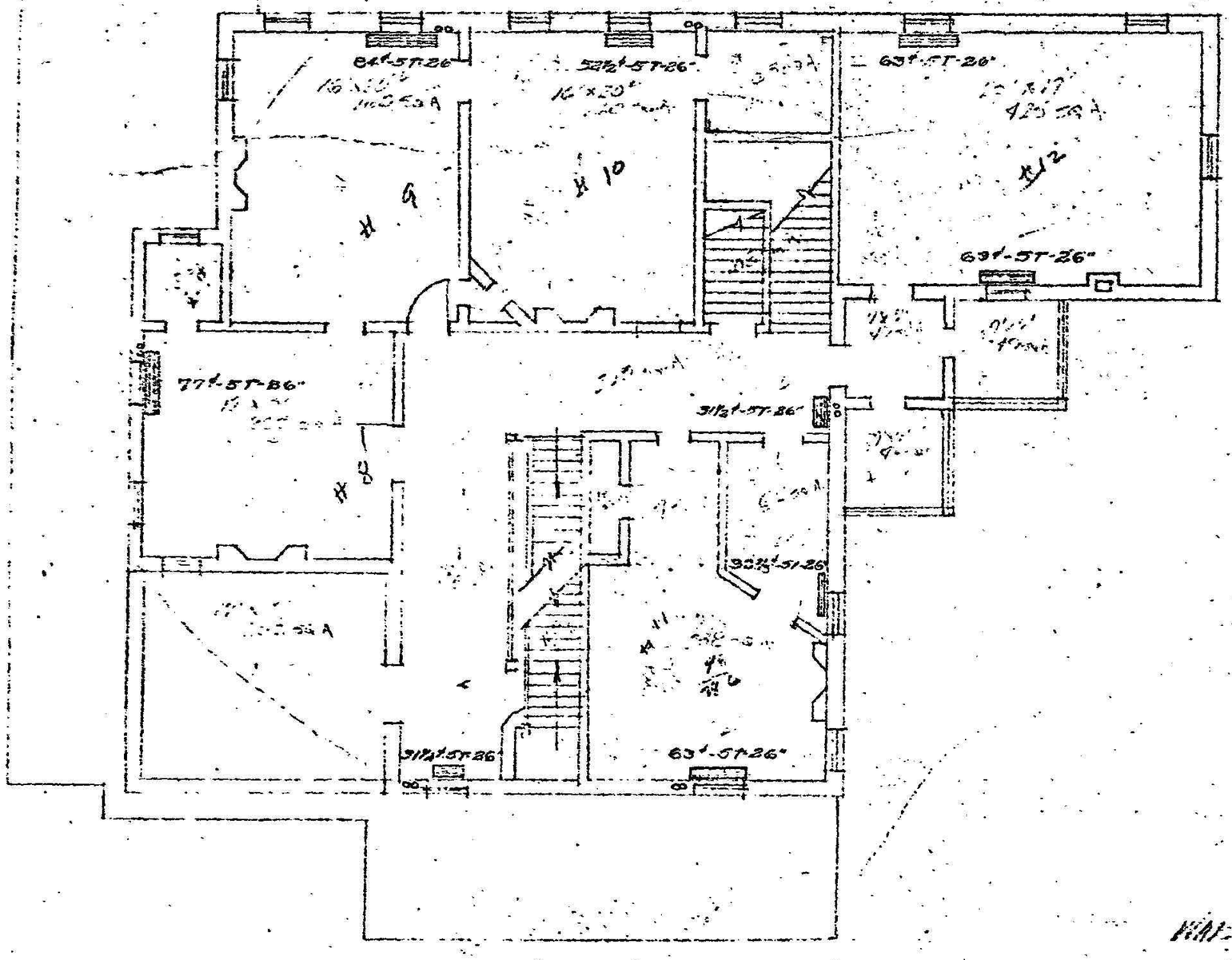

Webster "
Webster "C
Webster "
Webster "
Webster "

2. First Floor Plan. This plan can be assumed to be relatively accurate. The partition between the dining room and its addition was sketched in by a later hand. The guest room closet on the original print was drawn, having frame walls on its east and north sides and a doorway centered in its south wall. Note that the rear porch is L-shaped, without a dividing wall as at the present time.

385



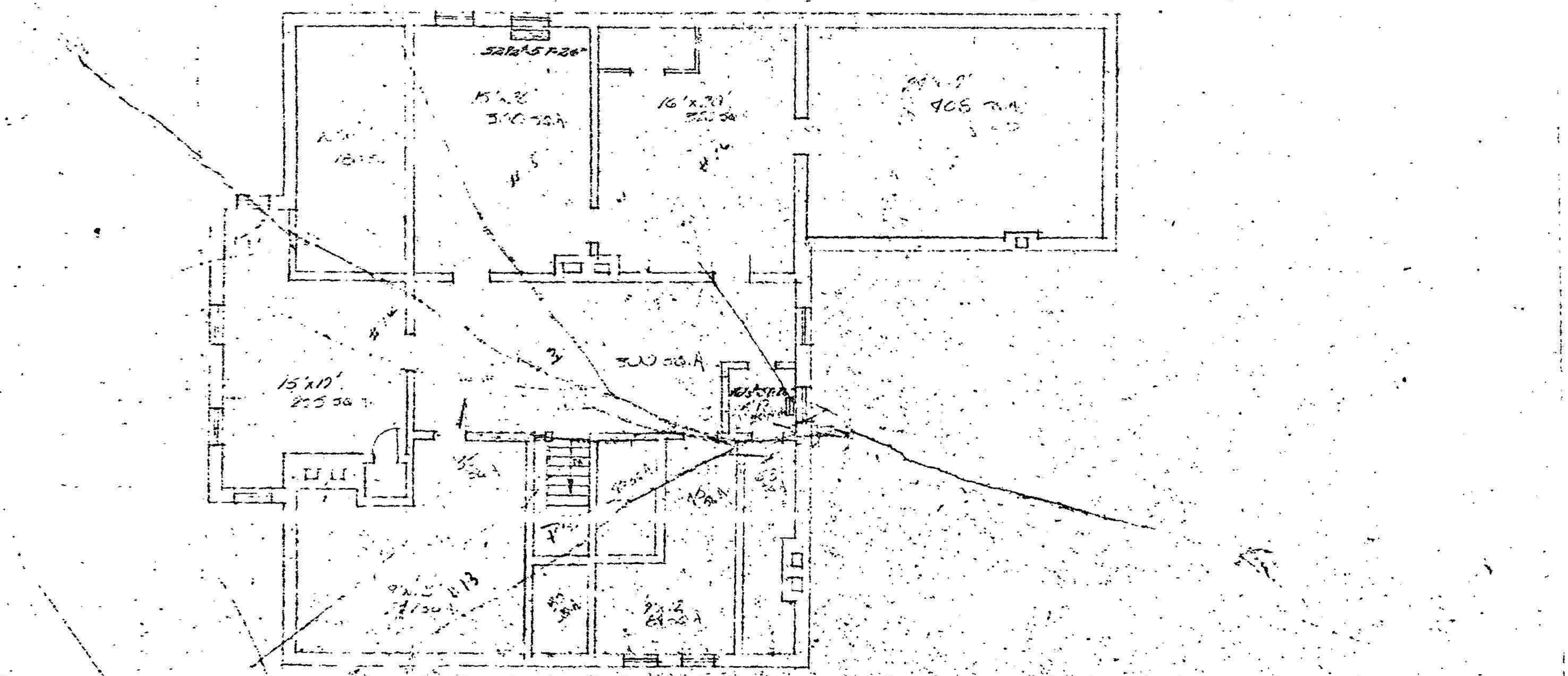
3. Second Floor Plan. Aside from minor inaccuracies, this plan is relatively reliable. The closet in Portia's bedroom was overlooked, although it certainly existed at the time. The doorway between Margaret Murray Washington's bedroom closet and Booker Washington's bedroom was not as large as it is drawn. The south doorway to the den from the den porch is shown as a window, which it probably was at the time. Note also that the rear porches were screened, as were the porches below them.



SECOND FLOOR PLAN
Scale ⅛" = 1'-0"

MALDEN WEBSTER SYSTEM
OF STEAM HEATING
FOR THE
BOOKER WASHINGTON MEMORIAL LIBR.
TUSKEGEE INSTITUTE TUSKEGEE, ALA.

4. Third Floor Plan. There are several major inaccuracies on this drawomg which can be explained by the fact that only five radiators were installed on the third floor. Two non-existant rooms were drawn north of the west bedroom in an effort to reconcile certain major discrepancies in drafting. The south wall of the attic in the northwest corner of the house was omitted, although it existed. Radiators were not shown, but were installed, in the north and west bedrooms. Note that the bathroom is shown as existing at the time.



THIRD FLOOR PLAN
SCALE 1/8" = 1'-0"

MELLEN WEBSTER SYSTEM
OF STEAM HEATING
FOR THE
BOOKER WASHINGTON MEMORIAL
TUSKEGEE NORMAL INST. ALA.