HISTORIC STRUCTURES REPORT 001424

PART III

1B2

ARCHITECTURAL DATA SECTION ON

ADAMS MANSION

Adams National Historic Site
Quincy, Massachusetts

U.S. Department of the Interior, National Park Service
Washington Service Center--Design and Construction

001424
Adam 2

HISTORIC STRUCTURES REPORT

PART III

ARCHITECTURAL DATA SECTION

ON

ADAMS MANSION

Adams National Historic Site
Quincy, Massachusetts

Prepared by
Orville W. Carroll
Architect

for

United States Department of the Interior, National Park Service
Washington Service Center--Design and Construction

HISTORIC STRUCTURES REPORT

PART III

ARCHITECTURAL DATA SECTION

ON

ADAMS MANSION

Adams National Historic Site

APPROVAL SHEET

RECOMMENDED

_____ Date_____

Superintendent

_____ Date_____

Chief, WSC-D&C

APPROVED

_____ Date_____

Regional Director, Northeast Region

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I. FOREWORD

This completion report covers only that portion of construction work accomplished by Contractual work between September 1966 and January 1967. Although the bulk of the contract cost involved the structural reinforcement of floor areas, some work involved the replacement of floor boards and wooden trim pieces removed during the last recent architectural investigation. This investigation was necessary to permit the writing of the Part II, Historic Structures Report, Architectural Data Section.

Orville W. Carroll
Architect, NPS

II. HISTORIC STRUCTURES REPORT

A. Part I, Architectural Data Section

Part I, Architectural Data Section on the Adams Mansion was written in 1963, by Charles E. Peterson, formerly Supervisory Architect, Historic Structures, EODC. This report was approved by Chief, EODC, on August 28, 1963.

B. Part II, Architectural Data Section

Part II, Architectural Data Section was written by George Wrenn, formerly NPS Architect, assigned to Adams National Historic Site. This report was prepared in four parts:

1. East Wing, September 1964
2. 1869 Passageway, February 1966
3. Kitchen Wing, February 1966
4. 1730 House, June 1966

III. ARCHITECTURAL DATA

A. Contractual Data

The Superintendent was designated as the Contracting Officer and the writer as Project Supervisor. Low bid for the job was submitted by W. A. MacLeod Company, 50 Congress Street, Boston, Massachusetts. Reliability of the Contractor's qualifications was determined by the Superintendent.

Contract No. 14-10-5-386-1 was awarded to W. A. MacLeod Company, on August 15, 1966. A pre-construction conference was held in the

Superintendent's office on August 26, 1966 (see Appendix for copy of notes taken during pre-construction meeting). The decision was made at this time by the writer and the Superintendent to restudy the method of installing the floor reinforcement as set forth in the approved drawings and specifications. As a result of this study, new working drawings and specifications were prepared which permitted the preservation of the original floor beams and joists under the 1730-31 paneled room, while providing the necessary reinforcement to the floors. (See copy of Working Drawings in Appendix.) This change was authorized by Change Order No. 1, dated September 27, 1966.

Additional work was authorized by Change Order No. 2, dated November 18, 1966, which included the reinforcing of the floors under the 1730-31 Dining Room; 1836 Corridor, 1st and 2nd floors; 1730-31 stairway and platform and the nailing back of wooden trim, both interior and exterior, as shown in the progress photographs. A final inspection of the job was conducted January 10, 1966 at 2:00 p.m., final day of the Contract by Superintendent Harris, the Project Supervisor and Mr. Jerry Norwood, representing the Contractor. The work was found to be complete and done in a satisfactory manner.

B. Contractual Work

1. Exterior: Work on the exterior of the Adams Mansion was confined to two areas: the east-west walls of the Kitchen Wing and the north wall of the 1836 Corridor. The lower portion of the southwest corner post, Kitchen Wing, was removed and replaced due to a rotted condition. A three-foot-long section of the foundation sill, 1836 Corridor,

was replaced for a depth of three inches due to rot. The clapboards on the west wall, Kitchen Wing, which had been replaced 10 or 15 years ago were discarded and new clapboards, handplaned with scarfed joints, were put back on with hand-headed nails. This work shows in Illustration Nos. 27 and 28. The clapboards on the east wall of the Kitchen Wing and north wall of the 1836 Corridor which were found to be in good condition were nailed back in place. New clapboards replaced those boards split beyond use. No attempt was made to secure circle-sawn boards to match the originals since a large wall section on the east Kitchen Wing wall, which has been replaced within the past 20 years, needs to be removed and replaced with the properly sawn clapboards. When this work is done, all clapboards not having the identifying circle-sawn marks should be removed and replaced.

Portions of the corner boards and skirting board removed from the north wall of the 1836 Corridor were missing and presumed to have been rotted. These pieces were put back new, hand-planed and fastened with machine cut nails. No painting was included in the contract for the exterior work accomplished because of cold weather. Weathering of the unpainted boards over the winter months should not do any serious damage until painting can be done.

2. Interior: Interior work completed under terms of this contract involved several areas in the house.

a. 1730 house: Structural reinforcement of the floors

under the paneled room, stairway and dining room. This work included the excavation of the crawl space under the paneled room and the pouring of a concrete retaining wall and floor slab. (See Illustration Nos. 3-9.) Wooden beam trim, floor boards and baseboards were nailed back into their original location in the west bedroom, 3rd floor. These pieces were removed as part of the recent architectural investigation which was confined to a small section of the bedroom along the north wall.

b. 1836 Corridor: The east half of the 1st floor, 1836 Corridor, was reinforced with additional wooden floor joists. The west half of the Corridor floor was not accessible without the removal of a portion of either the exterior or interior stone foundation walls. An examination of the floor area under the west end is possible from the cellar stairway area and it appears that adequate support of the Corridor floor exists. On the 2nd floor of the 1836 Corridor, the finish floor and sub-floor boards were lifted and the entire length of the Corridor floor joist system was reinforced by placing two additional 2" by 6" joists between each bay. All old and new joists were supported by joist hangers. The electrical wiring was replaced under the floor while the floor boards were removed. The electrical work was done by Day Labor. (See Illustration Nos. 23 and 24.)

c. Kitchen Wing: Structural reinforcement of floor areas under the Kitchen, 1st floor and Corridor, 2nd floor. This work involved the installation of pressure treated timbers between the original floor joists of the south bay of the Kitchen floor (under pantry area) and the installation of cross-bridging between the floor joists of the north bay. Furnishing and installing metal joist hangers and steel posts under the

center crossbeam was part of this contract. (See Illustrations Nos. 1 and 2.)

The structural reinforcement of the 2nd floor, Corridor, involved removing the sub-floor and inserting between the original joists, built-up steel members scribed to the sloping contour of the existing floor joists. Computed loading conditions for the Corridor area is now 100 lbs. per sq. ft. (See Illustration Nos. 10 and 11.) After the Corridor floor was reinforced and the sub-floor renailed, the original finish floor boards, baseboard and thresholds were nailed back into place. (See Illustration No. 12.)

Work in the Brooks Adams bedroom and bathroom, 2nd floor, was confined to replacing the sub-floor, finish floor boards, baseboards, and beam and post trim, which were removed during the recent architectural investigation. The empty mortices left in the north floor beam (when the original wall was removed during the 1869 remodeling) were filled with oak plugs to increase the strength of the beam before the sub-floor and finish floor boards were renailed in place. The original hand-wrought "T" headed plancher nails, saved when the floor boards were taken up, were reused. Split boards were glued up before being nailed down. (See Drawing No. NHS-ADA 3018B and Illustration Nos. 13, 14, 15, 16.)

On the 3rd floor of the Kitchen Wing, work consisted of renailing back in place approximately six floor boards, two pieces of baseboard, one piece of wood trim around the plumbing vent, and plastering the soffit areas of two doorways.

ILLUSTRATION NO. 1

The cellar area under the Kitchen Wing before construction work began. Far bay contains original floor joists of shallow depth, whereas north bay in foreground contains deeper floor joists of a later replacement. The wooden shoring was temporary work done by the NPS. The board and batten door seen at left opens to partly excavated area under 1730-31 paneled room.

Photo: National Park Service
O. W. Carroll, September 1966

Neg. on file at Park



ILLUSTRATION NO. 2

The cellar area under the Kitchen Wing as seen in Illustration No. 1 after construction work was completed. The existing wooden shoring was removed and pressure treated joists inserted in spaces between original joists in the far bay only. In the north bay (foreground) metal joist hangers were installed on each end of the existing joists and two rows of cross-bridging inserted. Steel posts were placed under the original center cross-beam as seen in the photograph.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park



ILLUSTRATION NO. 3

Looking into the partly excavated space under the 1730-31 paneled room. Excavation was previously done to permit access into space for the installation of the heating duct work.

Photo: National Park Service
O. W. Carroll, September 1966

Neg. on file at Park

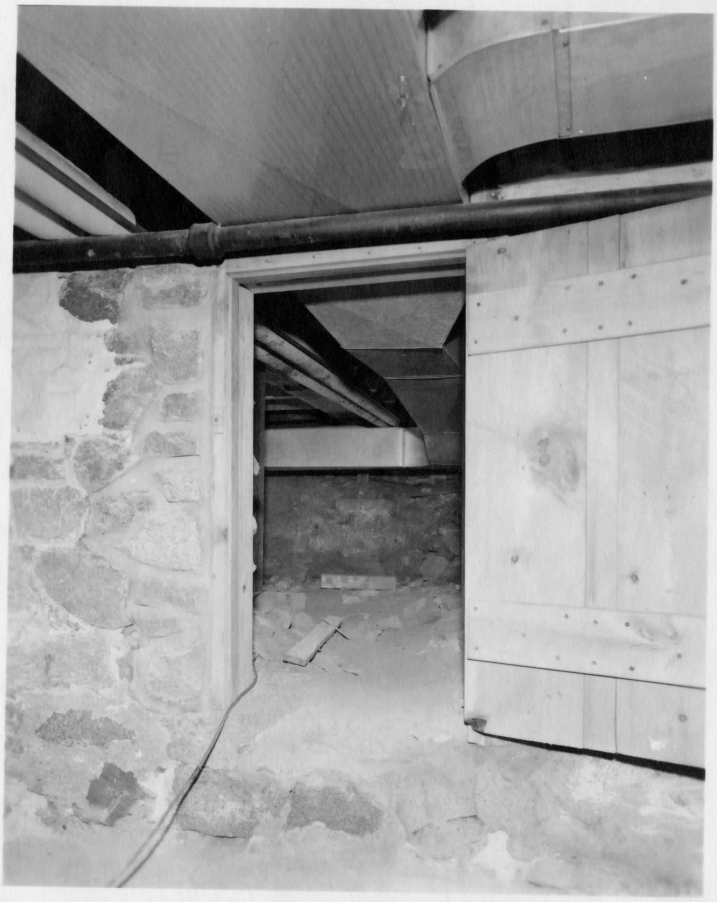


ILLUSTRATION NO. 4

View of partly excavated area under paneled room of 1730-31 prior to construction work. Shoring work was done by the NPS as temporary reinforcement of the floor above.

Photo: National Park Service
O. W. Carroll, September 1966

Neg. on file at Park



ILLUSTRATION NO. 5

Condition of crawl space under 1st floor of 1730-31 paneled room prior to construction work. View looking southeast.

Photo: National Park Service
O. W. Carroll, September 1966

Neg. on file at Park



ILLUSTRATION NO. 6

The crawl space area under paneled room of 1730-31 after area was excavated to a depth of five feet. This view shows the stonemason beginning to grout the joints of the original stone foundation wall. The temporary wooden shoring was subsequently removed.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park

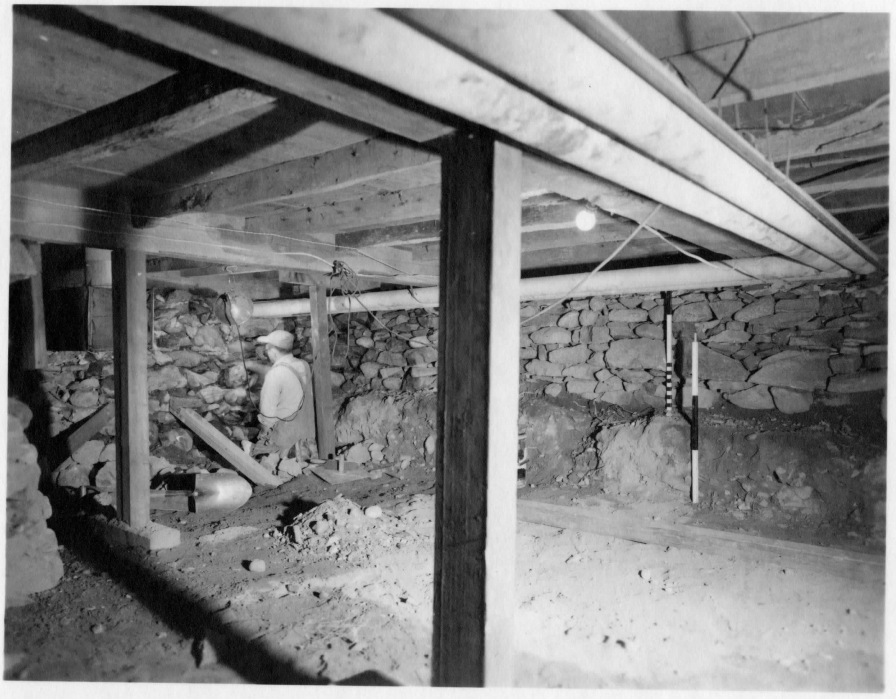


ILLUSTRATION NO. 7

Southerly view of excavated crawl space under 1730-31 paneled room with stonemason grouting the 1730-31 stone foundation wall. The random-laid fieldstone projecting to the right of the photograph is the original stone base for the west brick chimney.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 8

Work area under 1730-31 paneled room showing construction of forms necessary to pour concrete retaining wall. In this view, the workmen are installing the concrete reinforcing steel. Notice that grouting and pointing of stone foundation walls has been completed.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 9

View of crawl space under 1730-31 paneled room after completion of work. Contract work included masonry work, concrete work, steel and pressure-treated wood floor joist reinforcement. The whole area was given an insect repellant treatment guaranteed for five years.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park

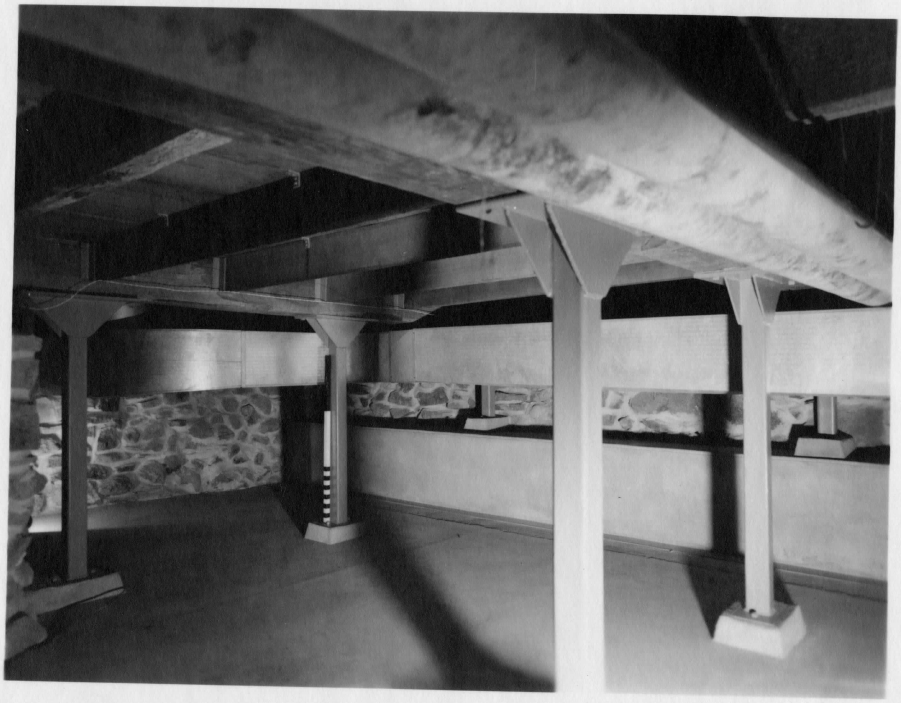


ILLUSTRATION NO. 10

View of Corridor, 2nd floor of the Kitchen Wing after a portion of the sub-floor had been removed for installation of steel reinforcement.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 11

View looking south, 2nd floor Corridor of the Kitchen Wing with the President's bedroom beyond. This photograph shows the completed installation of the steel reinforcement placed adjacent to the original floor joists.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 12

Condition of Corridor, 2nd floor of Kitchen Wing after the original sub-floor, finish floor boards, baseboard and door trim had been nailed back into place.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park



ILLUSTRATION NO. 13

Brooks Adams bedroom, Kitchen Wing, 2nd floor, prior to contractual work which included renailing the floor boards, beam trim, etc., in this room. The removal of the floor boards, trim, etc., was done for the purpose of examining the structure for completion of the Part II, Historic Structures Report, Architectural Data Section.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 14

View of Brooks Adams bedroom, Kitchen Wing, 2nd floor, after floor boards, beam and post trim were renailed in place.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park



ILLUSTRATION NO. 15

View of bathroom, 2nd floor of Kitchen Wing before floor boards, beam and post trim, and baseboard were renailed in place.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park

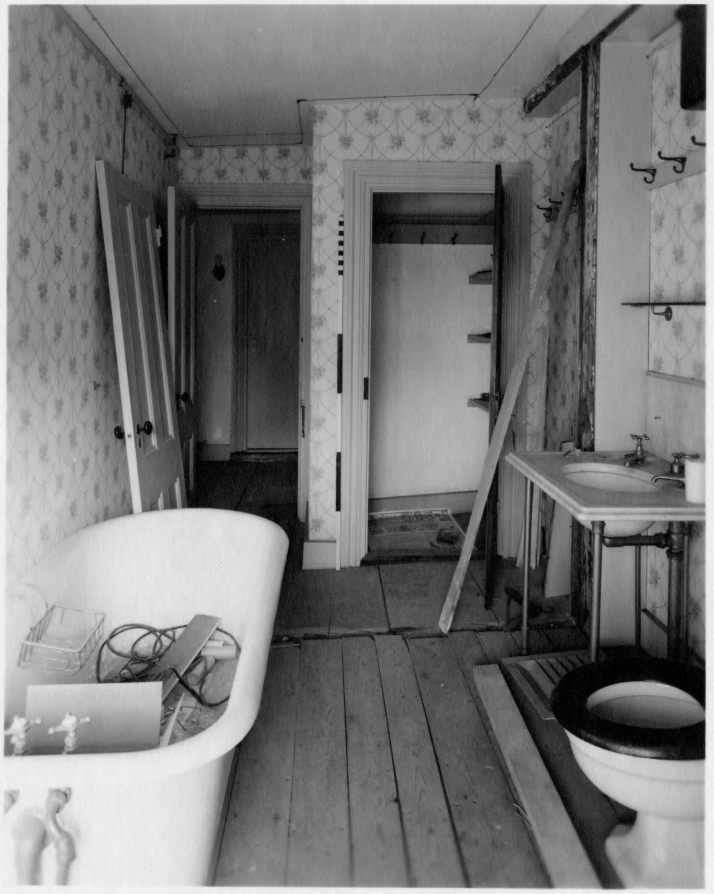


ILLUSTRATION NO. 16

View of bathroom looking east, similar to Illustration No. 15, but after renailing of floor boards, baseboard, and beam and post trim.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park

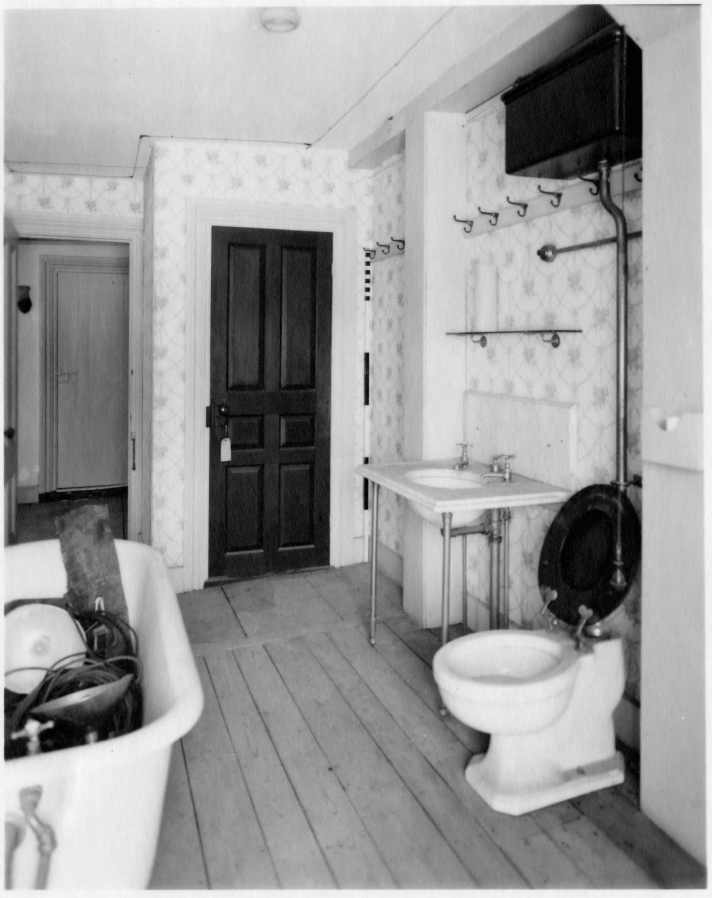


ILLUSTRATION NO. 17

View of north Kitchen wall, 1st floor, before repairs were made to exploratory areas opened up for architectural investigation.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park


TAYLOR

ILLUSTRATION NO. 18

View of north Kitchen wall after repairs were completed during December 1966.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park


TAYLOR

ILLUSTRATION NO. 19

Cupboard located between the 1730-31 paneled room and the Kitchen, 1st floor of the Kitchen Wing. Photograph was taken after sliding doors were removed for replacement. Darker gray paint dates prior to 1927.

Photo: National Park Service
O. W. Carroll, October 1966

Neg. on file at Park



ILLUSTRATION NO. 20

Cupboard (see Illustration No. 19) after installation of new doors which permitted the return of a half-round moulded edge immediately below the doors.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park



ILLUSTRATION NO. 21

View of cellar area below 1730-31 Dining Room prior to the removal of temporary shoring and the reinforcement of the center beam and floor boards above.

Photo: National Park Service
O. W. Carroll,

Neg. on file at Park



ILLUSTRATION No. 22

View of cellar area under 1730-31 Dining Room after installation of pressure treated floor joists and steel posts inserted under center beam. Adjoining 1836 Corridor floor, 1st floor, was also reinforced in a similar manner.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park

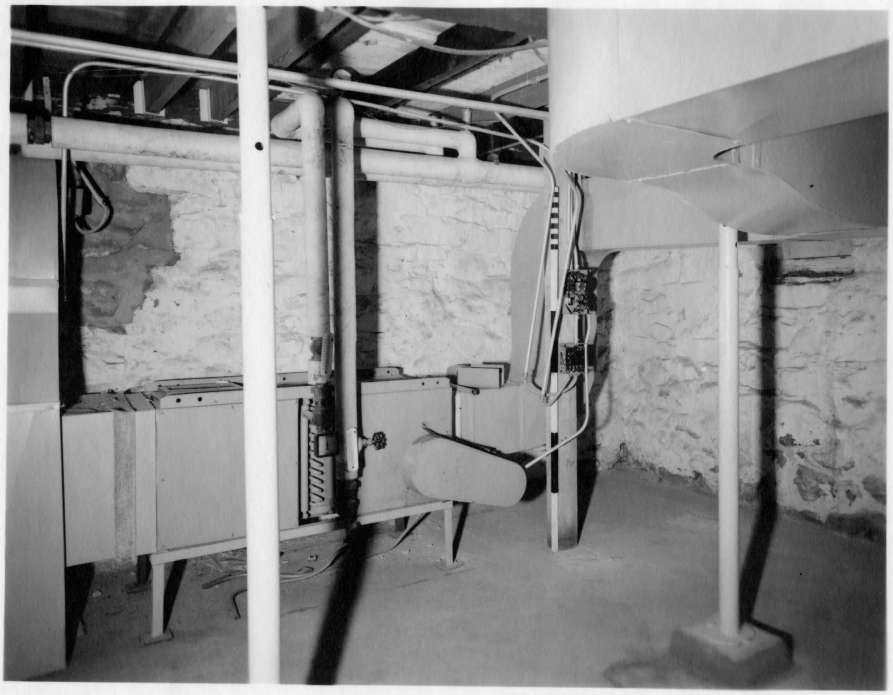


ILLUSTRATION NO. 23

View of 1836 Corridor, 2nd floor, after removal of finish floor boards and sub-floor. Metal joist hangers were installed on each end of the original spruce joists and then two new Douglas fir joists were placed in each joist bay.

Photo: National Park Service
O. W. Carroll

Neg. on file at Park



ILLUSTRATION NO. 24

View of 1836 Corridor (see Illustration No. 23) after floor reinforcement was completed and the sub-floor finish floor boards were nailed back into place. The bookcase was also returned to its original location and repaired in the process. The plaster and lath ceiling was shored up and then strapped to the rafters above. The finish floor boards were cleaned for the final linoleum finish.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park

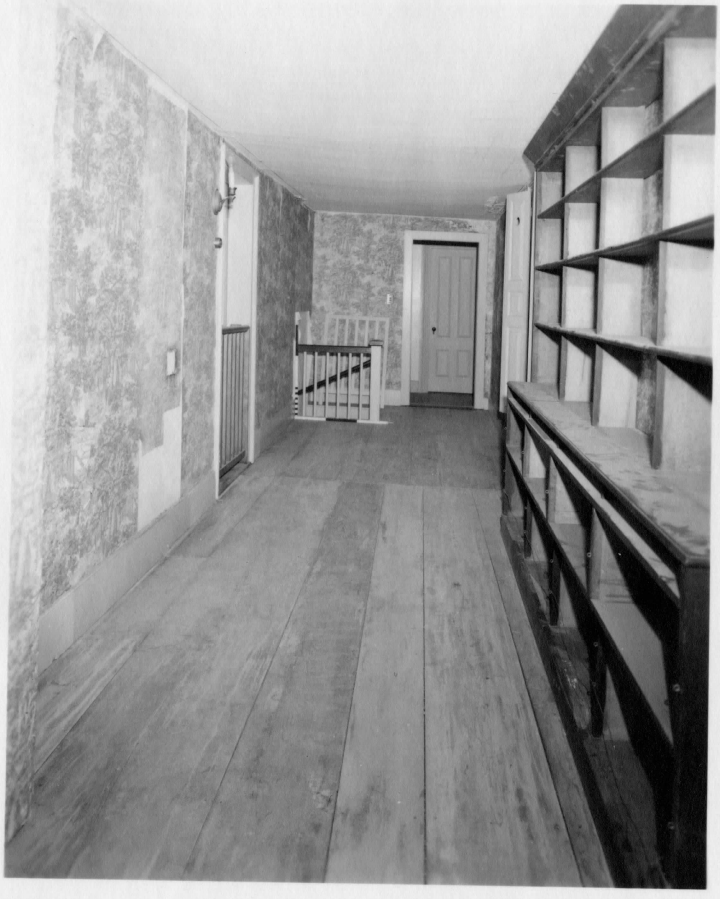


ILLUSTRATION NO. 25

View of north 1836 Corridor wall and east wall of Kitchen before clapboards were nailed to wall areas examined during recent architectural investigations.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park



ILLUSTRATION NO. 26

View of north wall, 1836 Corridor and east wall of Kitchen (see Illustration No. 25) after corner boards, clapboards and base skirt board were nailed back into place.

Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park



ILLUSTRATION NO. 27

West wall of the Kitchen Wing prior to the replacement of clapboarding and the repair of the corner post, right.

Photo: National Park Service
O. W. Carroll, November 1966

Neg. on file at Park



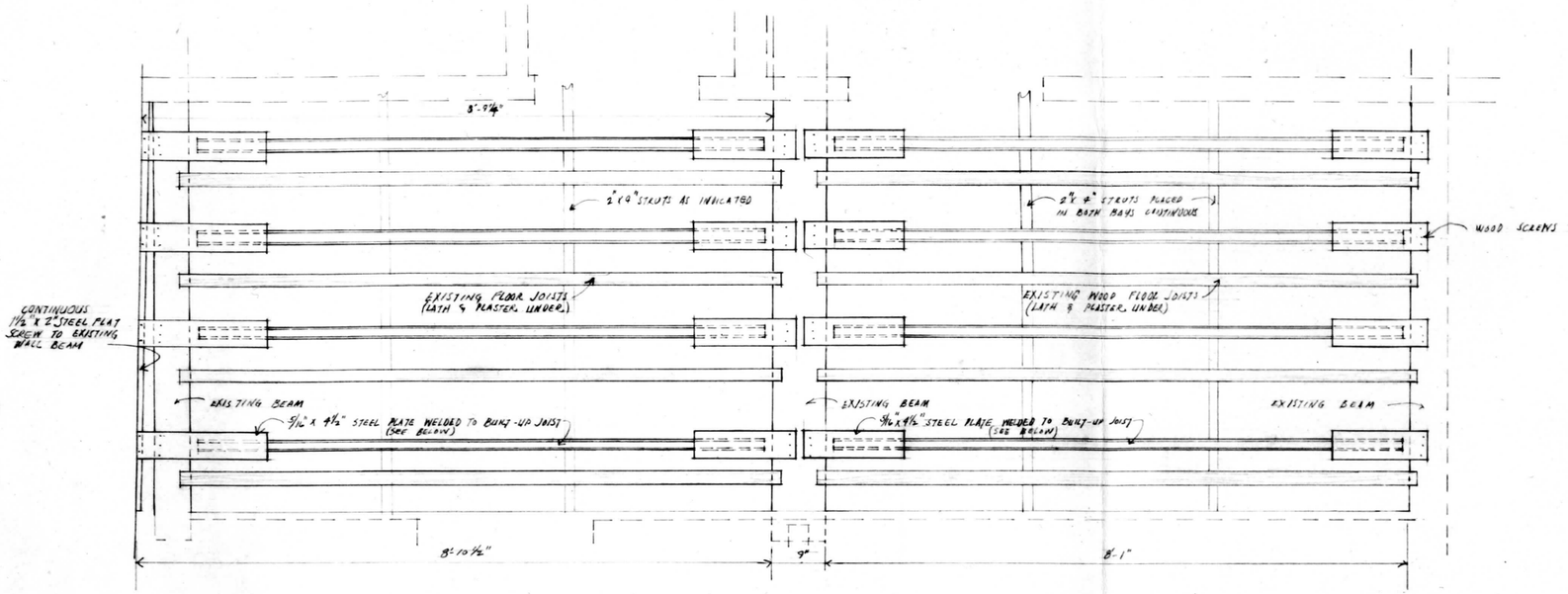
ILLUSTRATION NO. 28

West elevation of the Kitchen Wing showing the extent of repairs after work was completed in December 1966. The lower 30" of the corner post was replaced because of its rotted condition. The new clapboards replaced material applied about 10 to 15 years ago. Since work was done during cold weather, painting was not included in the contract work.

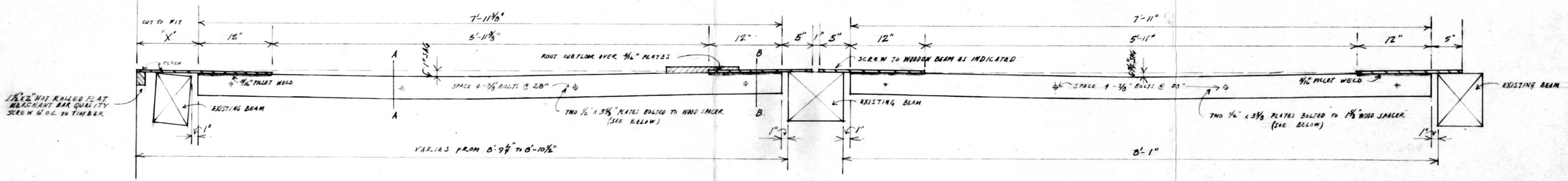
Photo: National Park Service
O. W. Carroll, January 1967

Neg. on file at Park

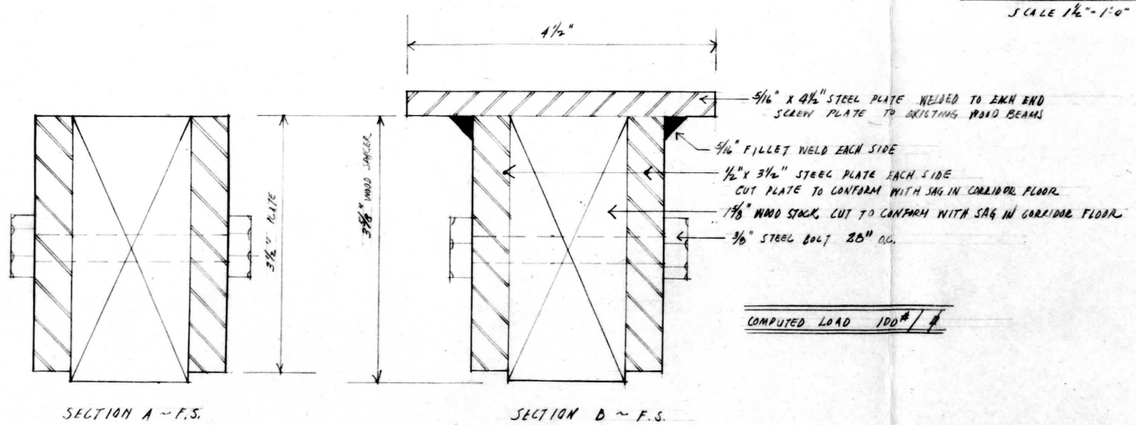




PLAN
SCALE 1" = 1'-0"
CORRIDOR SERVING BROOKS ADAMS BEDROOM AND BATHROOM 2ND FL.



LONGITUDINAL VIEW
SCALE ½"-1'-0"

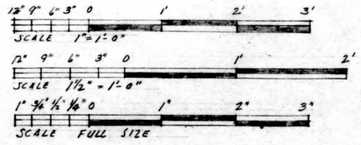


COMPUTED LOAD 100# / ft

SECTION A ~ F.S.

SECTION B ~ F.S.

NOTE: CONTRACTOR TO SCRIBE NEW WOOD SPACER AND TWO ½" STEEL PLATES TO CONFORM TO SAG IN CORRIDOR FLOOR; AFTER JOIST INSTALLATION - THE SUB FLOOR SHALL BE ROUTED TO FIT OVER ⅜" STEEL PLATE FLANGES WELDED TO EACH END OF JOIST.



BASIC DATA EXISTING STRUCTURE - NORFOLK COUNTY - MASS. SHEET REVISED FROM NHS-ADA 3018 TO CONFORM TO EXISTING STRUCTURAL CONDITIONS AT SITE.

WORKING DRAWINGS CORRIDOR

SCALE AS NOTED

SHEET 2 REVISED

MARK	DESCRIPTION OF REVISION	DATE	INITIAL
		5/23/66	DWC

RECOMMENDED ____ DATE

APPROVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DESIGN AND CONSTRUCTION
PREPARED BY
PHILADELPHIA PLANNING AND SERVICE CENTER
OFFICE

STRUCTURAL REHABILITATION OF KITCHEN WING
TITLE OF DRAWING
ADA MS: NHS MS 10N
LOCATION WITHIN PARK
ADAMS NATIONAL HISTORIC SITE
NAME OF PARK

ORIENTATION

PREPARED
O.W. CARROLL

DESIGNED
CARROLL

DRAWN

CHECKED

REVISED

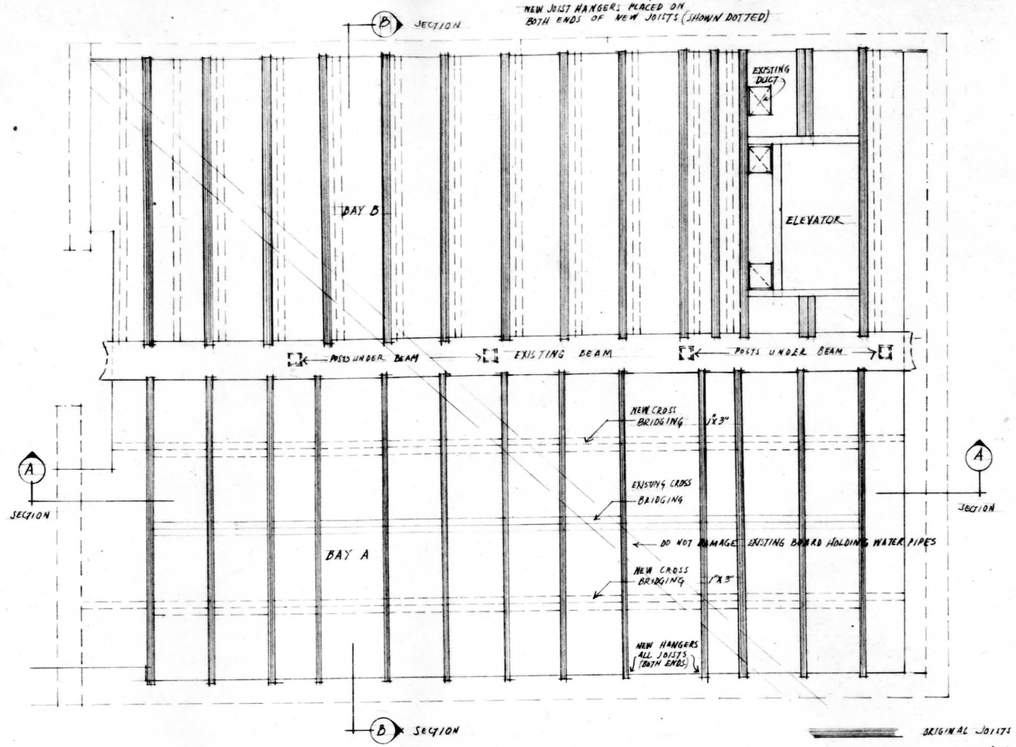
REGION
NORTHEAST

PCP NO. B-6

SHEET 1 OF 3

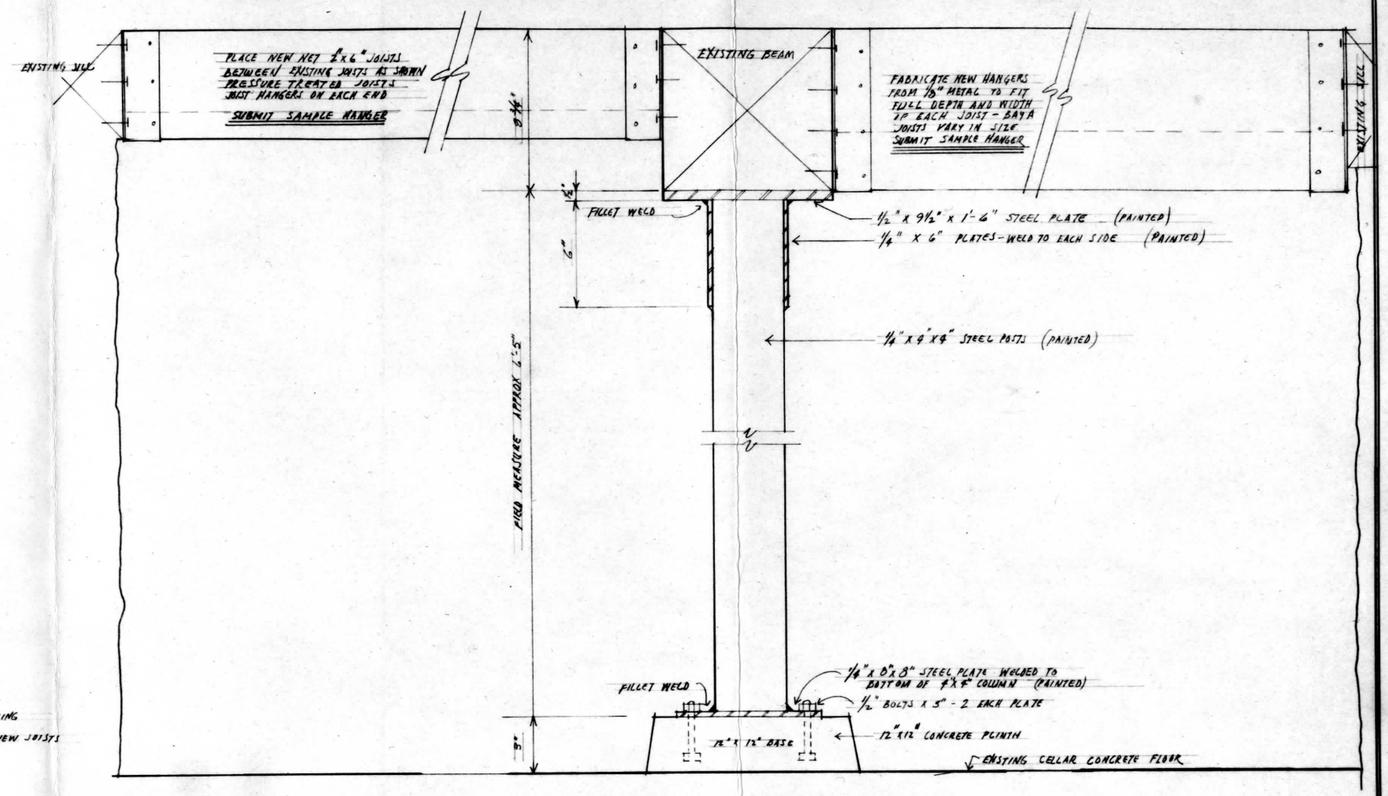
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30 F.B A

DATE 8-30-66



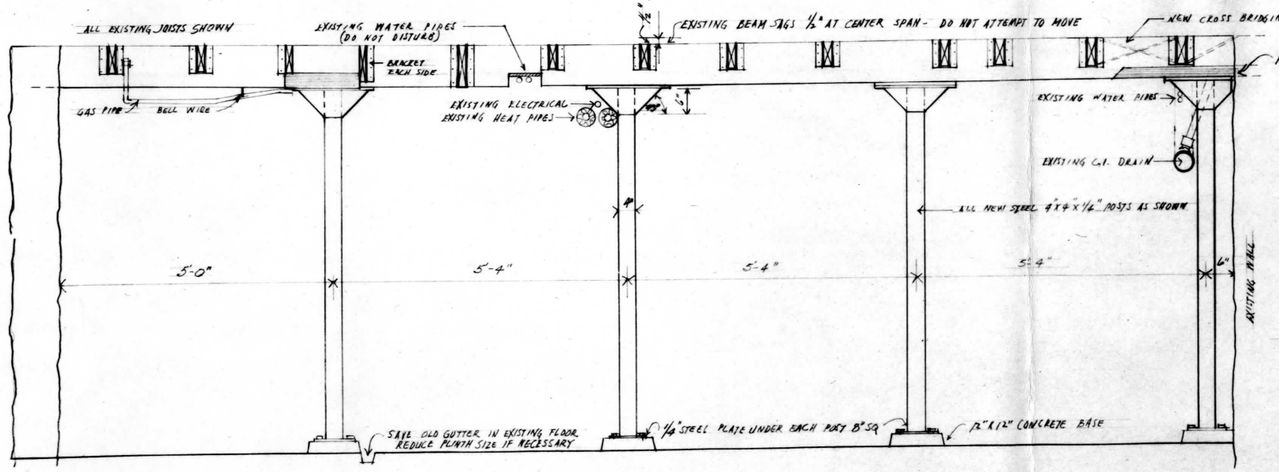
FLOOR FRAMING PLAN OF KITCHEN

SCALE 1/2" = 1'0"



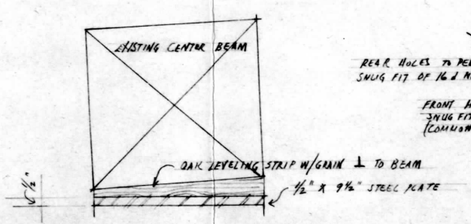
SECTION B-B

SCALE 3/4" = 1'0"

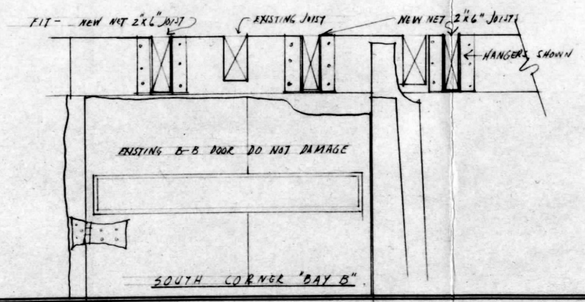


LONGITUDINAL SECTION OF BAY A

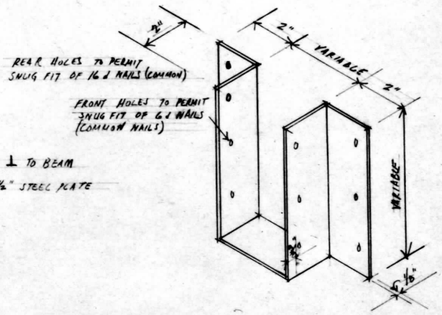
SCALE 3/4" = 1'-0"



WORKING CONDITION AT CENTER BEAM ADAPT EACH STEEL POST TO BEAM



SOUTH CORNER "BAY B"



TYPICAL HANGER

NOTE: NUMBER OF NAIL HOLES VARY WITH HANGER DEPTH

SUBMIT ONE HANGER FOR APPROVAL

KITCHEN WING

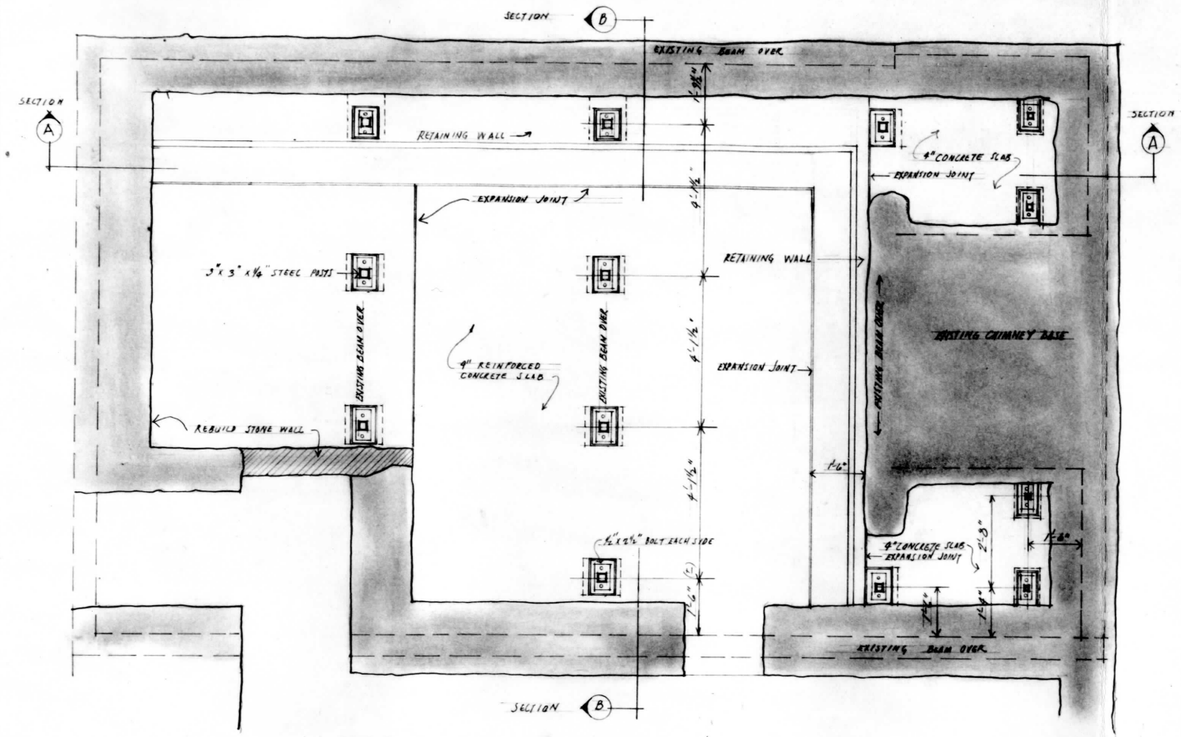
WORKING DRAWINGS

SCALE AS SHOWN

DRAWN BY OWC

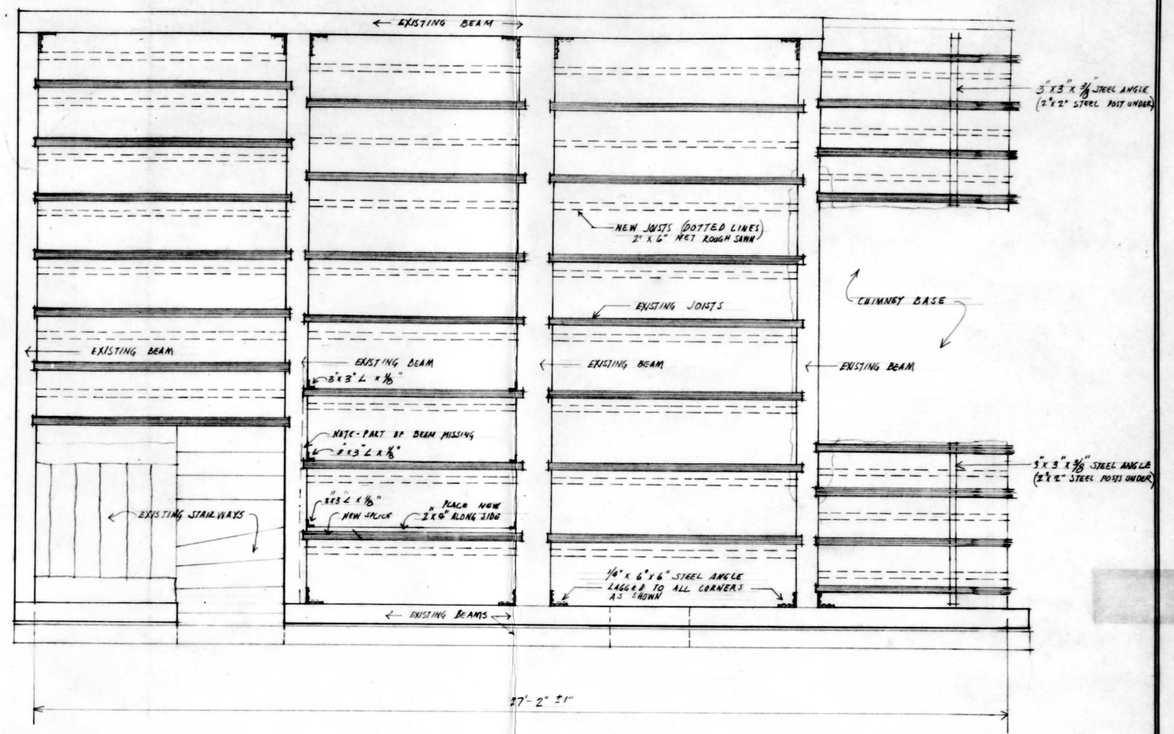
REGION	NORTHEAST
PCP NO.	BC
SHEET	2 OF 3
DRAWING NO.	NHS:-ADA 301B A
DATE	SEPT 21 1961

BASIC DATA DRAWING NO. NHS-ADA 301B REVISED TO ADAPT REINFORCEMENT TO EXISTING CONDITIONS FOUND ON SITE



FOUNDATION & FOOTING PLAN

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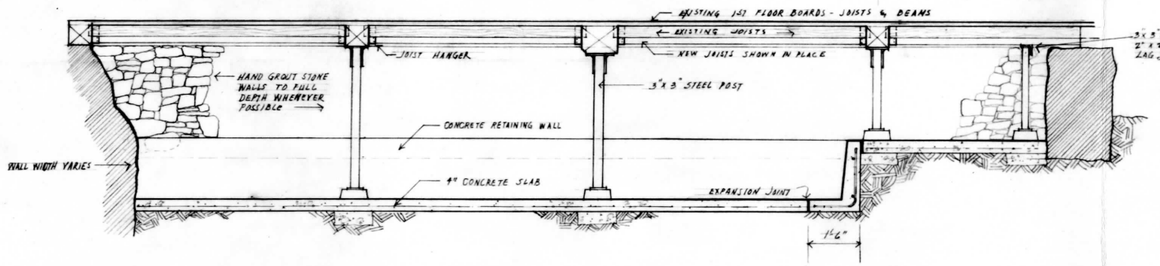


FRAMING PLAN - 1730

SCALE 1/2" = 1'-0"

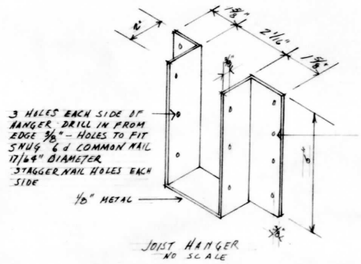
EXISTING JOISTS

PROPOSED JOISTS W/ METAL HANGERS.

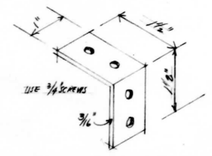


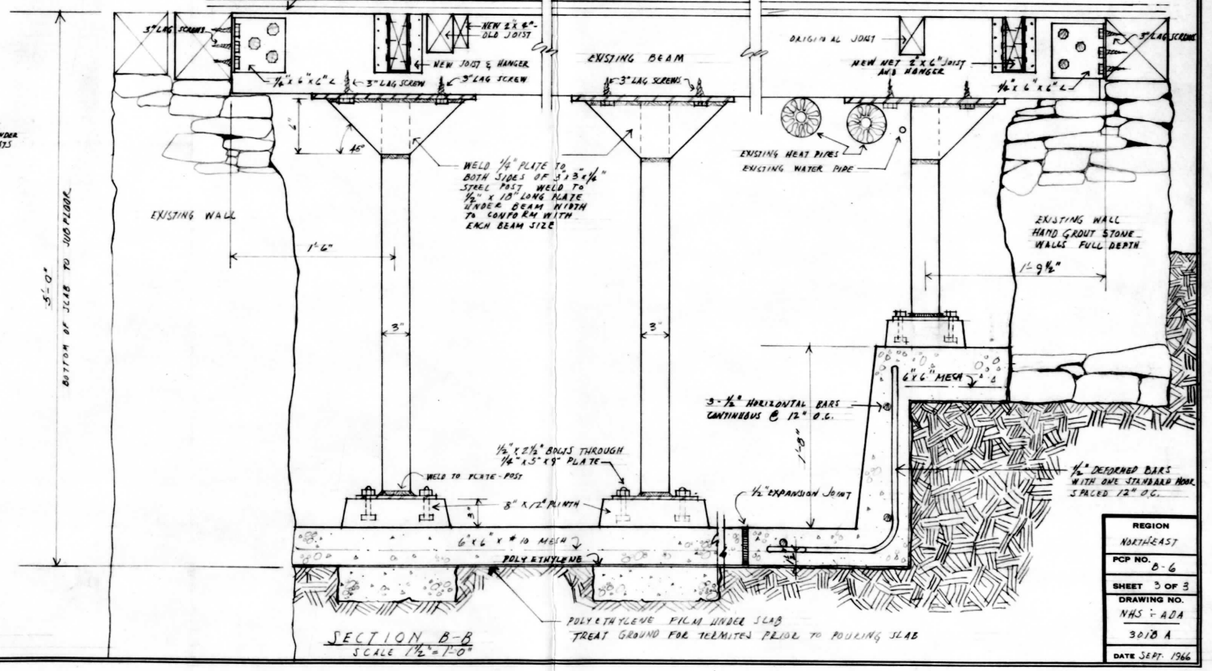
SECTION A-A

SCALE 1/2" = 1'-0"



4 HOLES EACH LEG - DRILL IN FROM EDGE 3/8" - HOLES TO FIT SNUG 16d COMMON NAIL 11/32" DIAMETER - SUBMIT SAMPLE HANGER FOR APPROVAL.





SECTION B-B

SCALE 1/2" = 1'-0"

1730 PORTION

REGION	NORTHEAST
PCP NO.	8-6
SHEET	3 OF 8
DRAWING NO.	NHS - ADA 3078 A
DATE	SEPT. 1966

BASIC DATA REVISED DRAWINGS ADAPTED TO PRESERVE EXISTING FLOOR STRUCTURE UNDER 1730 PORTION

MARK	REMARKS
A	NAIL BACK 2 PIECES 3/8" x 8½" x 8'-0" 3/8" x 5½" x 8'-0"
B	NAIL BACK BASE BOARD
C	SCREW BACK 2 PIECES 3/8" x 11½" x 4'-0" 3/8" x 11½" x 1'-0"
D	NAIL BACK ONE PIECE 3/4" x 9½" x 8'-0"
E	NAIL BACK BASE BOARD
	NAIL BACK BEAM TRIM 3/4" x 4" x 2'-0" 3/8" x 4" x 2'-6"
F	NAIL BACK BASE BD - ONE PIECE 1" x 5" x 3'-6"
G	NAIL BACK BASE BD - ONE PIECE
H	NAIL BACK BASE BD - ONE PIECE
I	NAIL BACK BASE BD - TWO PIECES
J	NAIL BACK THRESHOLD - NAIL FILLER PIECE UNDER - HANG DOOR ON BRASS HINGES NAIL BACK DOOR TRIM - ONE SIDE REPLACE FLOOR REGISTERS
K	NAIL BACK BASEBOARD BACK OF BATHTUB
L	NAIL BACK THRESHOLD NAIL BACK LEFT DOOR TRIM
M	NAIL BACK BASE UNDER SILL
N	NAIL (PIPE) TRIM IN PLACE
O	NAIL BACK BASE BOARD
P	NAIL BACK BASEBOARD
Q	NAIL BACK BASEBOARD
R	NAIL BACK BASEBOARD
S	NAIL BACK BASEBOARD
T	NAIL BACK THRESHOLD NAIL LEFT DOOR TRIM - GLUE SPLIT
U	NAIL BACK PICTURE MOLDING 3 PIECES 4' LONG TOTAL
V	NAIL BACK BEAM TRIM 3 PIECES 14' LONG
W	NAIL BACK BASEBOARD 2 PIECES
X	NAIL BACK BASEBOARD
Y	NAIL BACK BASE BOARD STAPLE WIRE BACK IN RACE
Z	STAPLE WIRE - PIPE BACK NAIL BACK BASEBOARD

BATH ROOM FLOORBDS.

NOS. 1-21 FLOORBOARDS NAIL BACK IN PLACE - REPAIR BOARDS 17-18 FIT IN WEDGE SHAPE PIECE BETWEEN CRACK. NAIL BACK MISSING SHOEBOX

SCREW LAVATORY MARBLE SPLASH BACK TO WALL

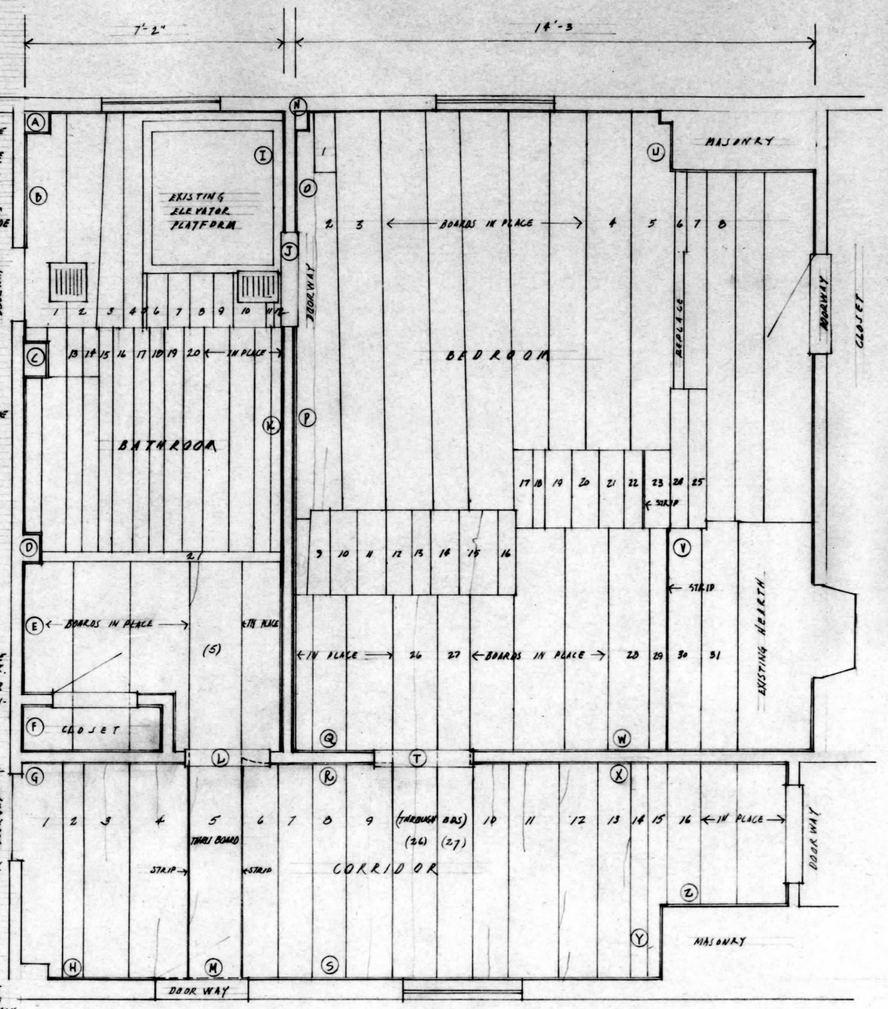
BEDROOM FLOORBDS

1	SCREW - NAIL BACK
2	GLUE IF POSSIBLE FULL LENGTH - 2 SPLITS - GLUE ON 1" STRIP IF NEEDED FULL LENGTH
3-4	NAIL BACK
5	GLUE SPLIT - NAIL BACK
6	NEW BOARD - CUT TO FIT
7-8	NAIL BACK
9-14	NAIL BACK
15	GLUE SPLIT BOARD - NAIL BACK
16-21	NAIL BACK (REPAIR)
22	CUT OFF 1" GLUE BACK - NAIL
23-25	NAIL BACK GLUE UP NO 26
29	GLUE 9/16" STRIP - NAIL BACK
30-31	NAIL BACK

NAIL BACK SUB FLOOR

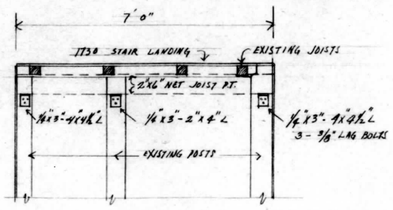
CORRIDOR FLOOR BDS

1	NAIL BACK SUBFLOOR 2 BDS. NAIL BACK FLOOR SHIMS 2 BDS GLUE UP FINISH FRONT BOARD WITH 3 SPLITS - NAIL BACK
2	GLUE FEATHER EDGE AT TOP THEN NAIL BACK
3	NAIL BACK CHECK FOR SPLITS
4	GLUE UP 2 SPLITS GLUE ON 3/4" EDGE STRIP - NAIL BACK
5	GLUE 3 SPLIT JOINTS - NAIL BACK
6	GLUE 3/4" EDGE STRIP - NAIL BACK
7-8	NAIL BACK
9	GLUE BACK FULL LENGTH SPLIT THEN NAIL BACK IN PLACE
24	GLUE UP FULL LENGTH SPLIT
10	GLUE UP TWO SPLITS - NAIL BACK
11	GLUE UP ONE SPLIT - NAIL BACK
12	GLUE UP FOUR SPLITS - NAIL BACK
13	GLUE UP ONE SPLIT NAIL BACK
17-18	NAIL BACK IN PLACE



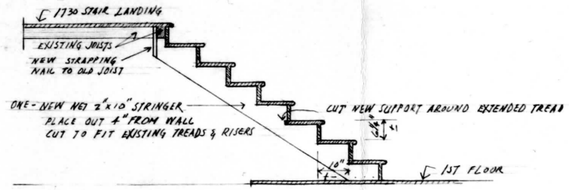
BATHROOM - BEDROOM & CORRIDOR - 2ND FLOOR OF KITCHEN WING

SCALE ½" = 1'-0"



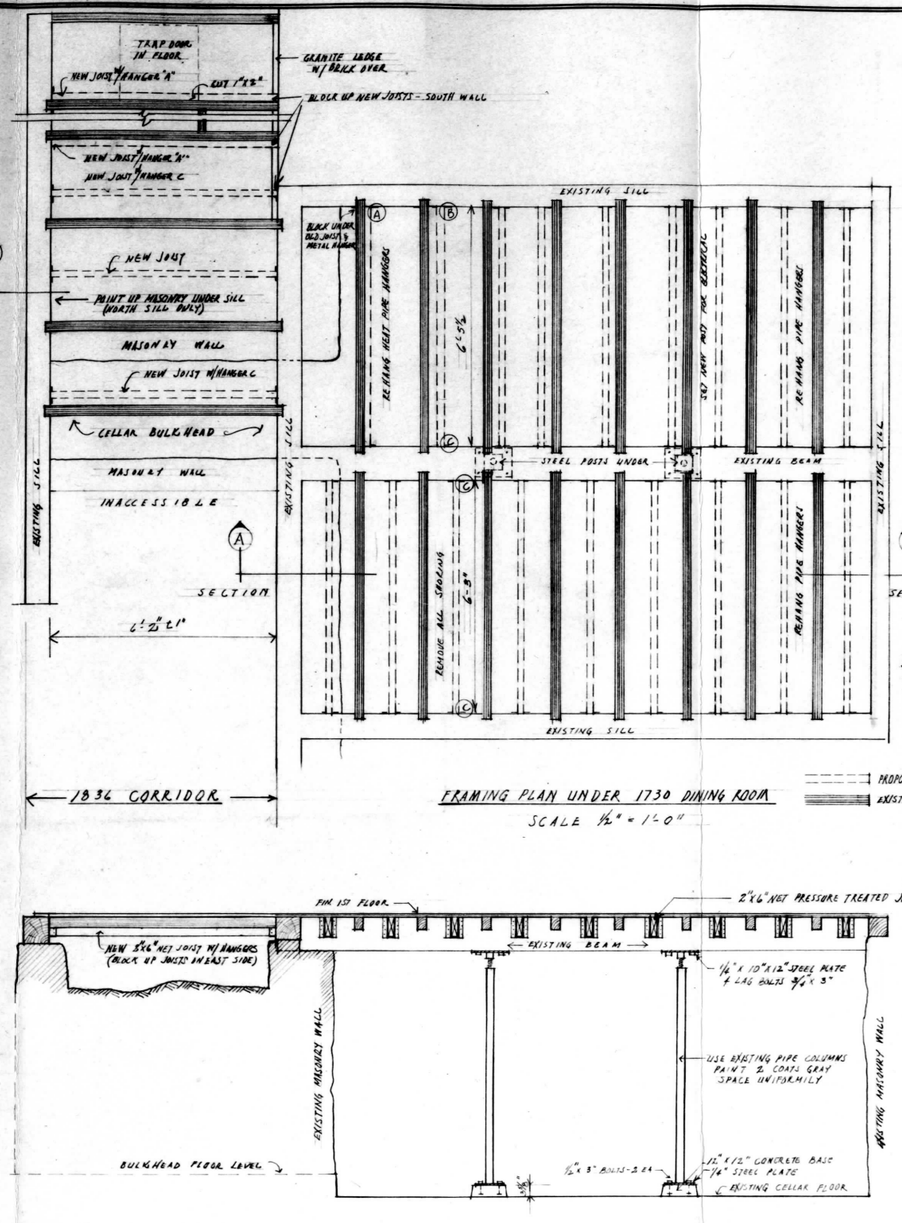
STAIRWAY LANDING - 1730 STAIRS

SCALE ½" = 1'-0"



1730 STAIRWAY - NEW SUPPORT ADDED

SCALE ½" = 1'-0"

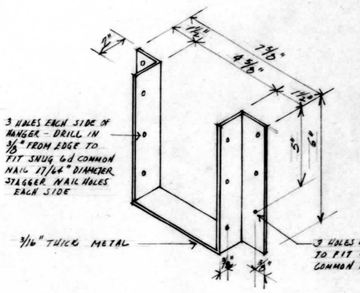


FRAMING PLAN UNDER 1730 DINING ROOM

SCALE ½" = 1'-0"

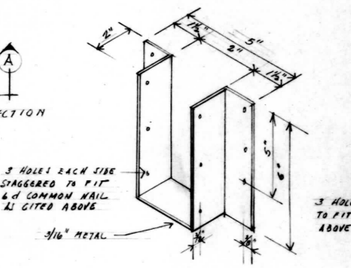
PROPOSED JOISTS

EXISTING JOISTS



HANGER A - 4 REQUIRED

NO SCALE

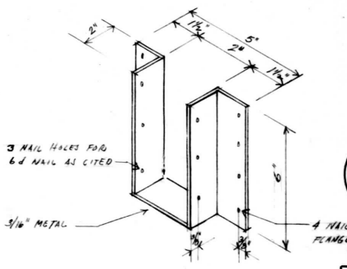


HANGER B - 8 REQUIRED

NO SCALE

SECTION A-A

SCALE ½" = 1'-0"



HANGER C - 32 REQUIRED

NO SCALE

ORIENTATION

PREPARED	G.W. CARROLL
DESIGNED	D.W. CARROLL
DRAWN	
CHECKED	

DATE	INITIAL
REVISED	

SCALE AS SHOWN

MARK	DESCRIPTION OF REVISION

RECOMMENDED ____ DATE

APPROVED ____

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
DESIGN AND CONSTRUCTION
PREPARED BY
WASHINGTON PLANNING AND SERVICE CENTER
OFFICE

STRUCTURAL REHABILITATION OF KITCHEN WING 1836 CORRIDOR
TITLE OF DRAWING
ADAMS MANSION
LOCATION WITHIN PARK
ADAMS NATIONAL HISTORIC SITE
NAME OF PARK

REGION	NORTH EAST
PCP NO.	8-6
SHEET	1 OF 1
DRAWING NO.	NHS:ADA 80,028 B
DATE	NOV. 4, 1966

BASIC DATA

SPECIFICATIONS

STRUCTURAL REHABILITATION OF ADAMS MANSION KITCHEN WING AND 1730 PORTION

ADAMS NATIONAL HISTORIC SITE

QUINCY, NORFOLK COUNTY, MASSACHUSETTS



NATIONAL PARK SERVICE
DEPARTMENT OF THE INTERIOR · WASHINGTON · DC

PHILADELPHIA PLANNING AND SERVICE CENTER

DESIGN AND CONSTRUCTION

143 S. THIRD STREET, PHILADELPHIA, PA. 19106

T A B L E O F C O N T E N T S

BIDDING REQUIREMENTS

INVITATION TO BID, Standard Form 20 w/attachments
BID FORM, Standard Form 21 w/attachments
NOTICE, Form 10-215
PARENT COMPANY AND EMPLOYER IDENTIFICATION NUMBER
CERTIFICATE OF INDEPENDENT PRICE DETERMINATION
INSTRUCTIONS TO BIDDERS, Standard Form 22
BID BOND, Standard Form 24

GENERAL PROVISIONS

INDEX TO CLAUSES, attached to front of Provisions
STANDARD FORM 23A, w/superseding Clause 21
DEPARTMENT FORM 10-292, General Provisions Cont.
PARK SERVICE FORM, General Provisions Cont.

LABOR STANDARDS PROVISIONS

1. DAVIS BACON ACT
2. CONTRACT WORK HOURS STANDARDS ACT
3. APPRENTICES
4. PAYROLLS AND BASIC RECORDS
5. COMPLIANCE WITH COPELAND REGULATIONS
6. WITHHOLDING OF FUNDS
7. SUBCONTRACTS
8. CONTRACT TERMINATION - DEBARMENT
9. LABOR PROVISIONS
10. MINIMUM WAGE RATES

SPECIAL PROVISIONS

1. PROPOSED WORK
2. LOCATION OF WORK
3. COMMENCEMENT, PROSECUTION AND COMPLETION
4. LIQUIDATED DAMAGES
5. DRAWINGS AND SPECIFICATIONS
6. SUBCONTRACTORS

SPECIAL PROVISIONS

7. EXAMINATION OF SITE
8. PRESERVATION OF EXISTING STRUCTURE
9. INSPECTION AND SUPERVISION
10. BUILDING REGULATIONS
11. SANITARY FACILITIES
12. STORAGE OF MATERIALS
13. UTILITIES
14. CLEAN UP

CONSTRUCTION SPECIFICATIONS

STRUCTURAL REHABILITATION - KITCHEN WING AND 1730 PORTION

LIST OF CONTRACT DRAWINGS

KITCHEN WING	1 of 3	NHS/ADA 3018
CORRIDOR	2 of 3	
CABINET DOORS	3 of 3	
1730 PORTION	1 of 1	NHS/ADA 3019

NOTE: BIDDER SHALL VERIFY THAT THE SPECIFICATIONS ARE COMPLETE AS SET FORTH HEREIN.

-END-

DEPARTMENT, AGENCY, OR BUREAU
U.S. Department of the Interior, National Park Service, PSC-D&C

LOCATION OF PROJECT (CITY OR OTHER DESCRIPTION)
Adams National Historic Site, Quincy

STATE: Massachusetts
COUNTY: Norfolk

DESCRIPTION OF WORK:
Structural rehabilitation of the "Old House" including installation of structural steel and necessary repairs to the historic fabric.

DECISION NO. AR-1379
DATE OF DECISION 6-22-66
EXPIRES 10-20-66
SUPERSEDES DECISION NO.

14 Massachusetts - 1 - B

	Basic Hourly Rates	Fringe Benefits Payments				
		H & W	Pensions	Vacation	App. Tr.	Others
Asbestos Workers	$5.39a	.17	.10			
Boilermakers	4.95	.10	.20		.01	
Boilermakers, Helpers	4.675	.10	.20		.01	
Bricklayers, Stonemasons	5.05	.20	.15			
Carpenters, Soft Floor Layers	4.50	.15	.15			
Cement Masons	5.05	.20	.15			
Electricians	5.25	.17	.10+b		.01	
Elevator Constructors	5.11	.075	.125	c+d		
Elevator Constructors, Helpers	3.58	.075	.125	c+d		
Elevator Constructors, Helpers Prob.	2.555					
Glaziers	4.03					
Ironworkers: Str., Orn., Reinf.	5.02e	.17	.17		.01	
Laborers:						
(Building):						
Laborers, Mason Tenders	3.65	.15	.15			
Asphalt Rakers, Pneumatic-Gas-Electric Tool Op. Diamond head & carbide core drilling machines, Stone Rakers & Spreaders, Wagon Drill	3.90	.15	.15			
Blasters & Powdermen	4.15	.15	.15			
Plasterers Tenders	3.85	.15	.15			
Wreckers:						
Adzmen, Burner, Pneumatic-Gas-Electric Tool Op.	3.25	.15	.15			
Laborers	3.08	.15	.15			
Open Air Caisson, Cylindrical Work And Boring Crew:						
Bottom Men	4.15	.15	.15			
Top Men	3.65	.15	.15			
Test Boring - Leader	4.06	.15	.15			
Test Boring - Helpers	3.77	.15	.15			
Heavy and Highway:						
Laborers	3.40	.15	.15			
Block Pavers, Rammers, Curb Setters	3.85	.15	.15			
Pipe layers	3.55	.15	.15			
Hod carriers, Pneumatic-Gas-Electric Tool Op.	3.65	.15	.15			
Blasters & Powdermen	3.90	.15	.15			
Lathers	4.05					
Lead Burners	4.80	.07		f	.01	
Line Construction:						
Linemen,	5.00		g	h		
Blasters	4.90		g	h		
Equipment Op., Cableman under ground	4.49		g	h		
Groundman-Truck Driver, Power Tool Op.	3.49		g	h		

14 Mass -1-B

	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	App. Tr.
Marble Setters	$5.10	.20			
Marble Setters' Helpers	4.00	.15	.10		
Marble & Tile Setters' Helpers (Prob.)					
1st 2 months 60% of helpers rate					
2nd 2 months 70% of helpers rate					
3rd 2 months 80% of helpers rate					
Painters:					
Brush (house)	3.50	.15	.15		
Brush (commercial)	3.80	.15	.15		
Steel	4.25	.15	.15		
Rollers	4.30	.15	.15		
Spray	5.15	.15	.15		
Sandblasters	4.50	.15	.15		
Piledrivermen	4.50	.15	.15		
Plasterers	5.05	.20	.15		
Plumbers & Steamfitters	4.90	.20	.20		.02
Roofers, Waterproofers	4.80-i	.20	.15		
Roofers, Helpers, Class A	3.95-i	.20	.15		
Roofers, Helpers, Class B	2.00i	.20	.15		
Sheet Metal Workers	5.075j	.11	.15		
Sprinkler Fitters	5.36	.11	.10	k	
Terrazzo Workers	5.10	.20			
Terrazzo Workers' Helpers	4.38				
Tile Setters	5.05	.15	.10		
Tile Setters' Helpers	4.00	.15	.10		
Welders:					
Receive rate prescribed for craft performing operation to which welding is incidental.					

a. Includes $.50 employee contribution to Vacation Fund.

b. 1% of gross electrical labor payroll in addition to the $.10 per hour indicated.

c. Employer contributes 4% of basic hourly rate for 5 years or more of service or 2% basic hourly rate for 6 months to 5 years of service as Vacation Pay Credit.

d. 6 paid holidays.

e. Includes $17 employee contribution to Vacation Fund.

f. 7 paid holidays.

g. 1% of gross electrical labor payroll.

h. 6 paid holidays provided the employee has worked 30 days for the employer and work the day before and after the holiday.

i. Includes $.25 employee contribution to vacation fund.

j. Includes $.30 employee contribution to vacation fund.

k. One week paid vacation for a year in which an employee has worked at least 1600 hours.

BUILDING CONSTRUCTION

	Basic Hourly Rates	Fringe Benefits Payments				
		H & W	Pensions	Vacation	App. Tr.	Others
Power Equipment Operators:						
Shovels, Cranes, Draglines, Trench Hoes, Truck Cranes, Backhoes, 3-drum Machines, Derricks, Pile Drivers, Elevator Towers, Hoists, Gradalls, Shovel Dozers & Front-End Loaders (when used for digging and loading), Fork lifts, Auger	$5.135	.175	.20	a	.02	
Booms over 150' including jib	5.385	.175	.20	a	.02	
Booms over 185' including jib	5.635	.175	.20	a	.02	
Graders, Scrapers (over 21 yds. struck), Tandem Scrapers	5.015	.175	.20	a	.02	
Bulldozers, Portable Steam Boilers, Scrapers (21 yds., or less struck), Rollers Spreaders, Tampers (self propelled or Tractor Drawn), Asphalt Pavers, Mechanics Maintenance	4.765	.175	.20	a	.02	
Pump (s) & Welding Machine (s) (1-3 grouped), Compressors, Generators, Concrete Vibrators Lighting Plants, Heaters (power driven 1-5), Pumpcrete Machines, Wellpoint Systems (operating & installing), Syphons-Pulsometers, Concrete Mixers, Valves Controlling Permanent Plant Air or Steam, Conveyors, Jackson Type Tampers, Single Diaphragm Pump	4.38	.175	.20	a	.02	
Oilers & Apprentices (other than Truck Cranes and Gradalls)	3.705	.175	.20	a	.02	
Oilers & Apprentices on Gradalls	3.755	.175	.20	a	.02	
Oilers & Apprentices on Truck Cranes	3.755	.175	.20	a	.02	
Assistant Engineer (fireman)	4.555	.175	.20	a	.02	

FOOTNOTE:

a. Ten paid holidays.

	Basic Hourly Rates	Fringe Benefits Payments			
		H & W	Pensions	Vacation	App. T
TRUCK DRIVERS: (Building, Heavy & Highway)					
Two axle equipment	$3.45	.13	.15	a & b	
Three axle equipment	3.50	.13	.15	a & b	
Four & five axle equipment	3.60	.13	.15	a & b	
Low bed trailer	3.70	.13	.15	a & b	
Specialized earth moving equipment other than conventional	3.70	.13	.15	a & b	
Helpers on low beds	3.45	.13	.15	a & b	

FOOTNOTES:

a - One-half day's pay each month in which an employee has worked 15 days, provided he has been employed for 4 months.

b - Nine paid holidays after 30 days employment, provided an employee works two days of the calendar week in which the holiday falls.

SPECIFICATIONS

STRUCTURAL REHABILITATION OF ADAMS MANSION KITCHEN WING AND 1730 PORTION

ADAMS NATIONAL HISTORIC SITE

QUINCY, NORFOLK COUNTY, MASSACHUSETTS



NATIONAL PARK SERVICE
DEPARTMENT OF THE INTERIOR · WASHINGTON · DC

SPECIAL PROVISIONS

1. PROPOSED WORK: Furnish all labor, materials, plant, equipment and incidentals necessary for the satisfactory completion of work; include "Unistrut" framing system for South Corner Room, reinforcement of Kitchen Wing and 1730 Portion floor, and China display cabinet doors.

2. LOCATION OF WORK: The Kitchen Wing and 1730 Portion of the Adams Mansion, 135 Adams Street, Quincy, Massachusetts.

3. COMMENCEMENT, PROSECUTION, AND COMPLETION: The Contractor shall commence work under this contract within 10 days after the date of receipt of notification to proceed. He shall prosecute the work with faithfulness and energy and in a neat and orderly manner so as to complete the entire work under this contract within seventy-five (75) calendar days after the date of receipt of notification to proceed. The above interval of 75 calendar days is hereby agreed upon as the time necessary for the completion of the entire work. When conditions are unfavorable to the suitable prosecution of the work, a stop order will be placed against the contract, and time consumed by such a stop order is not chargeable against the contract time.

4. LIQUIDATED DAMAGES: Liquidated damages in lieu of actual damages in the amount of $50.00 per calendar day will be deducted from the contract amount for the entire delay in completing the work beyond the time fixed and agreed upon in the contract for its completion, or beyond such time as may be established because of justifiable extensions of time.

5. DRAWINGS AND SPECIFICATIONS: The drawings for the work are listed in the TABLE OF CONTENTS. These drawings and specifications, together with the latest revised editions of applicable Federal Specifications and referenced specifications mentioned herein are a part of the contract.

6. SUBCONTRACTORS: (General Provisions Clause 26)

a. List: Prior to award, the successful bidder shall submit a list of subcontractors to whom he proposes to sublet various portions of the work. The Contracting Officer shall have the right to take such steps as he deems necessary to determine the ability of the subcontractors to handle their respective portions of the work successfully. Successful bidder shall furnish the Contracting Officer such information as may be required concerning the reputation and experience of the subcontractors and their fitness for their respective parts of the work.

b. Rejection: The Contracting Officer shall have the right to reject any bid if any of the subcontractors on the list are found to be inexperienced or if their reputation for doing only first-class work is not demonstrated to his satisfaction. Successful bidder may revise the list by selecting other subcontractors until it becomes satisfactory to the Contracting Officer.

7. EXAMINATION OF SITE: Before submitting bids for the work, each bidder will be held to have examined the premises and satisfied himself as to the existing conditions under which he will be pledged to operate or that in any manner will affect the work under this contract.

8. PRESERVATION OF EXISTING STRUCTURE:

a. General: The work proposed is for the restoration of Adams Mansion. Every reasonable means shall be taken by the Contractor to prevent damage to the existing structure and surrounding areas. Maximum protection must be provided by the Contractor to insure that no damage occurs.

b. Explosives: Use prohibited.

c. Damage: Should the existing structure, despite protective measures, be damaged by the Contractor's operations, he will repair same without any cost to the Government. Such repairs must be accomplished in a manner to meet the approval of the Contracting Officer.

d. Existing Conditions: If unusual or unanticipated conditions in the structure are found that prevent the Contractor from performing the work in accordance with the drawings and specifications, the Contractor shall stop work immediately and call these conditions to the attention of the Contracting Officer. Written instructions will be issued by the Contracting Officer, and the Contractor shall then resume work. This requirement does not relieve the Contractor of his responsibility under Clauses 13 and 29 of the General Provisions.

SMOKING WILL NOT BE PERMITTED IN THE BUILDING AT ANY TIME.

9. INSPECTION AND SUPERVISION: All work done under this contract will receive daily supervision by a technically qualified member of the Philadelphia Planning and Service Center, Design and Construction, representing the Contracting Officer. The Contractor shall provide proper facilities and cooperation for such access and inspection. In all questions relating to the interpretation of these specifications or drawings, the decision of the Contracting Officer shall be final. Because of the importance of this building and the necessity to preserve it, the operations of the Contractor will be subject to the direct supervision of the Contracting Officer's representative in every detail.

10. BUILDING REGULATIONS: All work shall be performed in accordance with the applicable sections of the National Building Code and the Contractor shall comply, without additional expense to the Government, with all State and Municipal Building Ordinances, Codes or Regulations applicable to the area.

11. SANITARY FACILITIES: Toilet facilities will be available. These facilities shall be kept clean by the Contractor to the satisfaction of the Contracting Officer.

12. STORAGE OF MATERIALS:

a. Storage: Provide suitable storage for material and equipment at the site. Maintain all storage space in an orderly condition. The Government assumes no liability for loss or damage to materials and equipment, regardless of cause whatsoever. Storage of material will be permitted only in the areas designated by the Contracting Officer at the pre-construction meeting.

b. Inflammables: Keep inflammable materials in enclosed, safe containers, provide fire extinguishers of proper size, capacity and type in quickly accessible locations at all times.

13. UTILITIES: Water, electricity, and heat will be provided in limited quantities without charge by the Government. The Contractor shall pay for the installation of and the service charges for a telephone for his own use if he desires one.

14. CLEAN UP: The Contractor will at all times keep the premises free of accumulations of waste material and rubbish; he will remove waste material and rubbish daily. All construction facilities shall be removed upon completion of the work.

-END-

STRUCTURAL REHABILITATION

KITCHEN WING AND 1730 PORTION

1. GENERAL:

a. Reference: The General, Special and Labor Standards provisions govern work under this section.

b. Intent: It is necessary for the Contractor to perform the work under the direct supervision of the Contracting Officer's representative.

c. Work Included: (but not limited to)

(1) Replace 6 existing wood post columns under the first floor Kitchen Wing with a structural system consisting of steel tubular columns and structural steel angles with wood plates. The system shall be installed to provide bearing for the existing floor joists (without mutilating the joists). The system shall be installed to avoid disturbing existing ductwork and plumbing lines.

(2) To excavate the area under the first floor south corner paneled room (1730 Portion) in a manner to progressively allow for installing a concrete slab, shoring and "Unistrut" floor supporting system and repair and point the masonry foundation walls and install termite protection. As new structural system is installed, existing joists, beams and stub posts shall be removed and nails cut off at the under side of the subflooring. Perform work so as not to damage existing flooring and subflooring.

(3) Install channels with attached nailing ledgers to carry the existing subflooring of the second floor hall serving the Brooks-Adams bedroom and bathroom.

(4) Repair existing China display case and provide new glazed doors with hardware.

(5) Square up existing masonry access opening and provide new wood access door.

d. Work Not Included: Finished flooring shall not be installed under this contract.

e. Method of Operation: Obtain approval of plan for performing work; do not deviate therefrom without written permission from the Contracting Officer.

2. EXCAVATION AND REMOVAL:

a. Excavation: Hand excavate under 1730 Portion as required to maintain 3 feet from bottom of subflooring to top of 4 inch concrete slab. Remove excavated material from site. DO NOT EXCAVATE BELOW BOTTOM OF FOUNDATION WALLS.

b. Removal: Remove 6 existing wood columns below Kitchen Wing floor. Remove framing (joists, beams, and stub posts) under 1730 Portion floor. This work to be performed by Carpenters. Remove this material from site.

3. CONCRETE WORK: (1730 Portion)

a. Concrete Materials: Portland cement shall conform to ASTM C-150, type I; sand and coarse aggregate shall conform to ASTM C-33; mixing water shall be clean, free from oil, acid and injurious amounts of vegetable matter, alkalies, and other impurities.

b. Welded Wire Fabric: Conform to ASTM-185. Use 6" x 6" x #10 gauge. Pull up into center of concrete slab. Lap joints 6 inches.

c. Vapor Barrier: Use 6 mil polyethylene film similar and equal to "Visqueen" by Visking Corporation. Lap end joints 6 inches in direction of pour. Place on earth underneath concrete slab turning film up walls 6 inches.

d. Expansion Joint Filler: Asphalt impregnated fiber board conforming to ASTM D-1751. Use 1/2 inch thick material at perimeter of stone walls; run full depth of concrete slab.

e. Concrete: Stone concrete, providing a 28 day strength of 3000 psi; it shall contain not less than 6-1/4 bags of cement per cubic yard, have a water-cement ratio of not more than 6-1/2 gallons per bag of cement; maximum slump shall be 4 inches.

f. Reference: Concrete shall be stored, handled, mixed, placed and cured in accordance with the requirements of "Design and Control of Concrete Mixtures" by the Portland Cement Association.

g. Placing Concrete: Place in quantities of not less than 1/2 cubic yard; construction joints shall be at center line between post supports. Secure approval of method of pouring and all construction joints prior to pour.

h. Finishing Concrete: Strike surface of slab to proper level. Roll or tamp concrete to force aggregate away from surface and then screed. After screeding and while concrete is still plastic, float the surface with wood, cork or metal floats; during this operation the surface shall be brought to true grade by cutting down the high spots and filling low spots. When the concrete has hardened so that water and fine material will not be worked to the surface, finish with a steel trowel to a smooth, even surface. Do not sprinkle dry cement or a mixture of dry cement and sand directly on surface to absorb moisture or stiffen mix.

i. Curing Concrete: Keep concrete surface moist for a minimum of 6 days.

j. Access Door: Run concrete slab through the wall at door.

4. MASONRY REPAIRS: (1730 Portion)

a. Scope: Point and pressure grout the stone foundation walls of the 1730 Portion of Adams Mansion. Grout from bottom of the concrete slab to the bottom of the wood sill. Reset any loose or dislodged stones.

b. Materials: Portland cement conforming to ASTM C150, type I, and sand conforming to ASTM C33 mixed with water.

c. Intent: To fill voids in foundation wall with grout from the inside of the wall in order to bond the stone together. NO GROUT SHALL BE VISIBLE ON OUTSIDE OF WALL.

d. Process: Use a low pressure grouting process (10 to 20 psi) which will penetrate all voids in the wall but will not place grout on the outside surface of the wall.

e. Installer: Similar and equal to Eastern Gunite Company, 15 McKenn Street, Waltham, Massachusetts.

f. Approvals: Secure approval of the installer and the process. Approval of the process shall be based on a test section of wall in which precautions have been taken to prevent grout from going through the wall to the exterior surface of the wall. Grout shall be held back from the exterior of the wall a minimum of 1 inch.

g. Existing Masonry Access Opening: Cut stone wall in order to square up opening. Cut bottom of opening flush with bottom of concrete slab.

5. TERMITE TREATMENT: (1730 Portion)

a. Materials: A 1% solution of chlordane or a .5% solution of heptachlor by Velsicol Chemical Corporation, 341 East Ohio Street, Chicago, Illinois, or approved equal; apply in water emulsion.

b. Application: By professional applicator at the rate of 1-1/2 gallons per 10 square feet under concrete slab. Along both sides of foundation walls apply to a depth of 1 foot at the rate of 4 gallons per 10 square feet.

c. Existing Floor Construction: Treat with an approved chemical solution if required to prevent (or kill) termites. Take necessary precautions to keep termites from entering the subflooring and finished flooring in the future.

d. Precautions: If treated areas cannot be covered immediately, precautions shall be taken to prevent disturbance of the treatment by human or animal contact with the treated soil. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

e. Guarantee: Furnish a written 5-year guarantee that treatment meets or exceeds this specification. Any evidence of termite infestation within

the guarantee period shall require additional treatment by the Contractor at no cost to the Government.

6. FLOOR SYSTEM FOR 1730 PORTION:

a. General: This system must be carefully installed without damaging existing work as described in paragraph 1 d (2) preceding. This system shall be installed along with the concrete slab and the removal of existing joists, beams, and stub posts; a slow tedious operation necessitated by the fact that the existing subfloor and finished flooring may not be removed.

b. Manufacturer: Floor supporting system components by Unistrut Corporation, Wayne, Michigan.

c. Shop Drawings and Sample: Submit 4 copies of shop drawings for approval. Indicate base detail of post, cap detail of post, and all joints. Submit sample of post and channel connection for approval.

d. Framework and Columns: Steel channels, angles, plates, clips, special clips, etc. complete with bolts, nuts, and other required fastening devices. Framework shall be fabricated from 12-gauge cold rolled steel and be rigidly attached to posts. Posts shall be either channels as shown on drawings or adjustable screw jack type. If adjustable screw jack type posts are used, set these posts in a 1/2 inch bed of "Embeco" grout at least six inches square; shear grout off at top of jack base plate; no bolts will be required as shown on drawings.

e. Finish: Finish shall consist of bonderizing, zinc chromate primer, and a dip in phenolic base enamel.

f. Installation: Install posts plumb and supports at 90° to each other. Existing subflooring and flooring shall be jacked into place if possible so that the finished floor will meet the base of the wood paneling of the room above leaving no gap between finished floor and paneling; adjust the remaining level of the floor so that the flooring is not damaged in the jacking operation. EXERCISE EXTREME CAUTION IN JACKING FLOOR SO AS NOT TO DAMAGE WOOD PANELING. STUD WALLS MAY REST ON FLOORING. INVESTIGATE.

7. STRUCTURAL STEEL:

a. General: No welding or burning shall be permitted in the building. Submit shop drawings reflecting field measurements for approval; but proper fit of all parts is the responsibility of the Contractor.

b. Materials: Steel tubing shall conform to Republic Steel Corporation's specification ST-101, Grade A tubing. Structural steel shall conform to ASTM A7 or A36. Bolts shall conform to ASTM A325. Grout shall be "Embeco" non-shrink grout by Master Builders Company, Cleveland, Ohio. Furnish all bolts, expansion shields, etc. required for complete installation.

c. References: Fabricate in accordance with the American Institute of Steel Construction's "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings." Welding shall conform to "Code for Arc and Gas Welding in Building Construction" of the American Welding Society.

d. Painting: Apply one shop coat of lead and oil paint. Touch up in field and apply two coats of semigloss enamel (warm gray). Color to be selected by the Contracting Officer.

e. Fabrication: Continuously weld base and cap plates to tubular columns; shop drill holes for all bolts and screws; drill holes in flat bar so that screw head has flat bearing; grind exposed welds.

f. Erection:

(1) Kitchen Wing: Erect columns plumb and level. Angles with nailers and columns shall be tipped into place; dap nailers to provide uniform bearing of existing floor joists; wedge base plates of columns so that nailer is tight against existing joists; grout column base plates; grout ends of angles into masonry.

(2) Second Floor Corridor: Fasten flat bar to timber with #10 x 3" round head wood screws at 45°. Lay channels over existing floor joists leaving existing joists undisturbed. Fasten channels to flat bar with 3/8" dia. flat head machine screws and to existing wood girders with #14 x 2" F.H.W.S. Fasten wood nailers to channels with 3/8" dia. machine bolts at 32 inches o.c.

8. CARPENTRY AND MILLWORK:

a. Materials:

(1) General: All wood shall conform to the grading rules of Western Wood Products Association's 1965 Western Lumber Technical Manual; be grade marked; dressed four sides; moisture content not to exceed 19% for yard lumber and 12% for finish lumber; all lumber kiln dried.

(2) Blocking, Nailers and Plates: Construction grade fir.

(3) Cabinet Doors and Cabinet Repairs: Supreme grade of Idaho white pine or approved grade of Northern or Eastern pine (hardware as specified on drawings).

(4) Rough Hardware: Provide all required rough hardware to include nails, spikes, screws, bolts, nuts, washers, and similar items of proper size to rigidly secure and fabricate members in place.

(5) Glass: Sheet glass, "A" quality.

(6) Glazing Tape: Similar and equal to Pecora G-66 "Extru-Seal" sealing tape, gray color, by Pecora Incorporated, Philadelphia, Pa.

b. Blocking and Nailers: Bolt to steel at maximum 32 inches on center.

c. Cabinet Doors: Mortise, tenon, glue, and pin corners of doors. Tenon rails into stiles. Attach glazing beads to frames with brads at 6 inches o.c. Install subframing (glue block, etc.) into existing opening as required to rigidly anchor doors to construction. Set glass. Apply three coats of paint in color and type selected by the Contracting Officer. Submit corner joint sample for approval.

d. China Cabinet: Repair to satisfaction of Contracting Officer. Apply three coats of paint.

e. Subflooring: Install existing wood subflooring in second-floor corridor area so that when finished flooring is installed later (by Government) it will align with existing floor levels and baseboard conditions. Leave existing joists intact and undisturbed. Nail subflooring as directed; shim as required and nail shims to nailers.

f. Access Door: Provide louvered wood door complete with frame, solid brass hardware (hinges, hasp, and keeper), blocking, rough hardware, etc. Use B and better Douglas fir; give entire unit a 3-minute dip in a 6% solution of pentachlorophenol; paint three coats of oil base paint in color to be selected. Submit shop drawing or sample for approval.

g. Shoring: Provide wood shoring as required to support existing wood flooring (1730 Portion) while removing existing joists, beams, stub posts and installing "Unistrut" structural system.

-END-

PRE-CONSTRUCTION CONFERENCE
FOR CONSTRUCTION OF STRUCTURAL
REHABILITATION OF ADAMS MANSION
KITCHEN WING AND 1731 PORTION,
Quincy, Massachusetts

1. Present: Superintendent Wilhelmina S. Harris (presiding) and Secretary Marianne Potts of the Adams National Historic Site, Architect Orville W. Carroll of Minute Man National Historical Park, Architect F. Cliff Pearce of Philadelphia Service Center, William A. MacLeod, Jr., and William J. Norwood representing the Contractor.

2. The Contracting Officer designated Orville W. Carroll as her representative, who will act on her behalf with regard to construction negotiations, etc.

3. The Contracting Office has issued the Notice of Award, Notice of Pre-Construction Conference and Performance and Payment Bond forms.

4. James Crowell, Pine Street, Saugus, Massachusetts, will be the Contractor's Job Superintendent and will be present on the job most of the time. In his absence, he will designate some other person.

5. William A. MacLeod will sign all estimates.

6. The Contractor will submit all correspondence in an original and one copy. The address is 135 Adams Street, Quincy, Mass. 02169, and the telephone number is 773-1177.

7. Work schedules, while not too elaborate, should be submitted to the Project Supervisor and Contracting Office. A weekly schedule will be sufficient and can be worked out with the Project Supervisor.

8. It has been agreed that the Contractor will be given office space at the site.

9. The Contractor submitted the following list of Subcontractors:

Termite Control - Waltham Chemical Co., Waltham, Mass.

Painting - A. D. Howlett, Quincy, Mass.

Grouting - Eastern Gunite Co., McKenn St., Waltham, Mass.

Steel - L. Antonelli, Quincy, Mass.

Mill - Freeman Carter Corp., 45 Border St., W. Newton, Mass.

10. See No. 9 for suppliers of Steel and Mill Work.

11. W. A. MacLeod Co. will submit drawings of the steel.

12. The Contractor will store all materials at the site out of sight and in a section of the house assigned by the Superintendent.

13. The Contractor stated that he would follow an 8-hour day, 40 hours a week. In case of overtime, a request should be submitted in advance. However, this would not be necessary for anything worked over the 8-hour day. Specifically, it was intended for weekend work.

14. The Project Supervisor and the Contractor's Job Superintendent will work together on the breakdown of the job.

15. The Contractor should submit his monthly estimate by the 25th of each month. Weekly payrolls must be submitted before payment is made.

16. Sufficient plans and specifications were given to the Contractor for his and the Subcontractors' use.

17. Under labor provisions, the submission of weekly payrolls and payment of overtime were discussed earlier. The Contractor was told he must post minimum wage rates in a conspicuous place at the site, as well as the nondiscrimination poster and notice to labor unions on nondiscrimination employment. The Contractor was given these posters. Subcontractors should also be furnished copies of the minimum wage rates.

18. The Contractor was reminded of prompt payment to all suppliers and Subcontractors.

19. The Contractor must provide certificates of insurance for both liability and compensation insurance. These have been received.

20. The Superintendent discussed accident prevention at length. She said at this area, as well as throughout the National Park Service, we are all concerned with establishing a satisfactory safety program, and would like to see such a program implemented here.

(Sgd) WILHELMINA S. HARRIS

Wilhelmina S. Harris
Superintendent