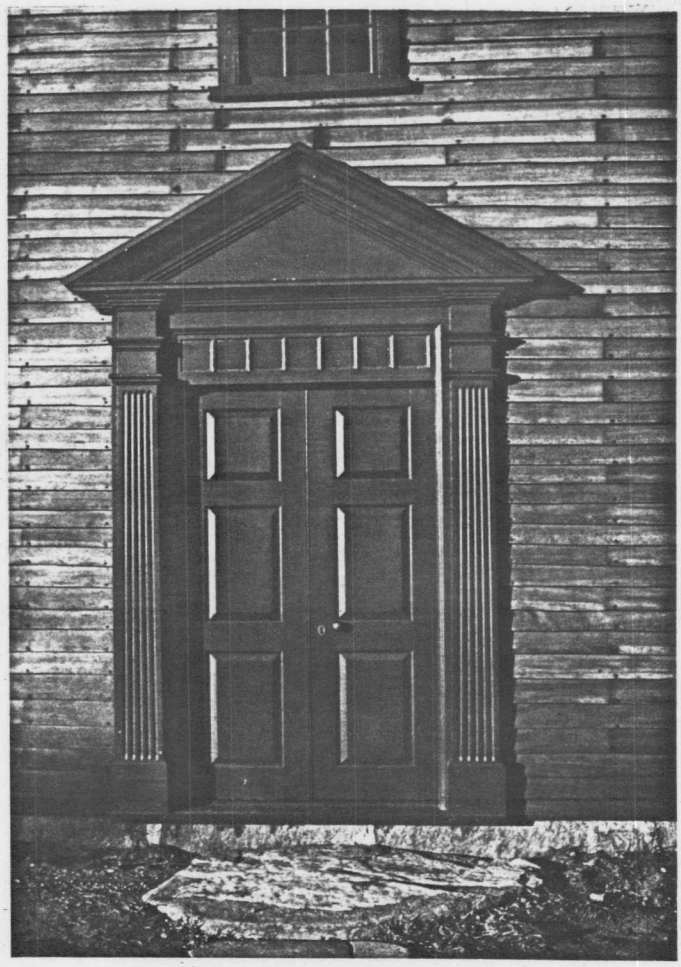
COMPLETION REPORT

RESTORATION OF THE CAPTAIN WILLIAM SMITH HOUSE

Virginia Road, Lincoln, Massachusetts
Minute Man National Historical Park

January 1985



National Park Service - North Atlantic Region
North Atlantic Historic Preservation Center

Form 10-174
(June 1962)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FACE SHEET FOR COMPLETION REPORT

Park: Minute Man National Historical Park	Region: North Atlantic	Work Order No.: CX 1600-3-0026
Location in Park: Unit A, Virginia Road, Lincoln, Massachusetts	State(s): Massachusetts	Fund Symbol: 1981-0003-302, 1981-0004-302
		Year Programmed: 1983/84
		PCP No.:
		Master Plan No.:
	County or Counties: Middlesex	Master Plan Corrected By:
[X] Contract and/or [X] Day Labor.		As Built Drawings By: NAHPC
Work Order Title: Restoration of the Captain William Smith House		Date Started: January 1983
		Date Completed: October 1984

DESCRIPTION OF FIXED ASSETS (For completion by employee in charge of project)	TOTAL COSTS (For completion by FFO)
215 HISTORICAL BUILDINGS	
1981-0003-302 $200,000	
*1981-0004-302 $210,000	
$410,000	
*Includes $30,756.48, Contract No. CX 1600-3-0026. Install underground electric, telephone and water lines.	
TOTAL	$

DISTRIBUTION No.	To

THE FIXED ASSET DESCRIBED ABOVE HAS BEEN COMPLETED IN ACCORDANCE WITH APPROVED DRAWINGS, SPECIFICATIONS, AND AUTHORIZED CHANGES

Submitted By: Orville W. Carroll — Title: Project Coordinator — Date: 1/1985

Approved By: _____ — Title: _____ — Date: _____

COSTS VERIFIED BY _____ — Title: _____ — Date: _____

Form 10-174A
(Sept. 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

COMPOSITION OF COST FOR COMPLETION REPORT

Work Order Number: CX 1600-3-0026

Fund Symbol: 1981-0003-302, 1981-0004-302

Park: Minute Man National Historical Park

Region: North Atlantic

Year Programmed: 1983/84

Location in Park: Unit A, Virginia Road, Lincoln, Massachusetts

Work Order Title: Restoration of the Captain William Smith House

COMPOSITION OF COST

COSTS CHARGED TO FUNDS ALLOTTED TO FIELD FINANCE OFFICE		
(1) Personal Services	$	
(2) Travel		
(3) Contract Work	30,576.48	
(4) Supplies and Materials		
(5) Other Direct Expenses		
(6) Operation of Equipment		
(7) Depreciation of Equipment		
(8) Purchase of Construction Equipment		
(9) Purchase of Other Accountable Equipment		
(10) Other Costs Day-Labor Project	379,423.52	
(11) TOTAL COST CHARGED TO FFO FUNDS	xxxxxxxxxxxxxx	$
LESS:		
(12) Residual Value of Construction Equipment on Line 8	$	
(13) Value of Other Accountable Equipment on Line 9		
(14) Other Credits		
(15) FFO FUNDS CHARGED TO CONSTRUCTION PROJECT	xxxxxxxxxxxxxx	$
OTHER COSTS:		
(16) Non-Fund Costs (Includes "free inventory," donated materials, etc.)		$
(17) ON-SITE CONSTRUCTION COSTS		
(18) PS&S, AP, and/or Facilitating Services at__% of Line 17		
(19) TOTAL CONSTRUCTION COSTS		
(20) Equipment Included on Lines 12 and 13		
(21) Line 14 Credits		
(22) GROSS WORK ORDER COSTS		$

Identify other costs and other credits by line item entry, on an attached schedule, or explain in narrative.

GPO 866 951

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FOREWORD

The restoration of the Captain William Smith House began in January 1983, under the direction of the North Atlantic Historic Preservation Center and was completed September 1984. Excluding the installation of the underground utilities which were installed by contract work, and the installation of the underground sewage system and the installation of the forced air ventilating system that were installed by Purchase Order the bulk of the restoration work was accomplished by day labor. Contracts were let out to several firms that collectively supplied the millwork which the day labor crew at the site assembled and installed.

Members of the day labor crew, included at one time or another, the following persons: Michael L. Fortin, Exhibit Specialist and Project Supervisor, NAHPC-NPS; Albert Walkup, carpenter; Robert Fox, carpenter; C. Chretien, mason and plasterer; P. Deleon, carpenter; P. Kilpatrick; D. Ramsey; R. Potts; R. Callahan; D. McKeever; M. Parisean; T. Nieves; B. Stetson; F. Rivera; D. Walsh; S. Fletcher; R. Perry; S. Bernotas; S. Habhab. NPS personnel detailed for on the job training included P. Laffey, R. Grennan, D. Brouilette and W. Selm.

SUMMARY

The restoration of the Captain William Smith House, built in ca.1692-93, represents the house as it appeared on April 19, 1775. Based upon the architectural evidence found during the investigation of the structure conducted in 1980, the house had gone through four, if not five major remodelings in its lifetime. The addition of a lean-to along the north wall may have been the first change to occur. Certainly ca.1758, when the ancestral property was sold by Nathaniel Whttemore, the house had undergone its first major change. This remodeling lasted through the struggling years of the American Revolution and into the early days of the new republic. About 1828, another remodeling of the structure took place which lasted until the turn of the century. Between 1900 and 1910, the building underwent an extensive alteration which survived until ca.1956 when a final assault upon its exterior and interior architectural features took place effecting the changes that were inherited by the National Park Service when it purchased the property in 1975.

I. HISTORICAL RESEARCH - PAST AND PRESENT

A. Carroll, Orville W., Architectural Data Section, Part II, Historic Structure Report, "The Captain William Smith House," 1983. This NPS study remains in draft form at the North Atlantic Historic Preservation Center.

B. Forbes, Harriett, "Some Seventeenth-Century Houses of Middlesex County, Massachusetts." Old-Time New England, January 1939, pp.90-105.

C. Grayson, Peg, unpublished research notes compiled between 1968 and 1976. One of several studies undertaken by the residents of Lincoln, MA, for the American Bicentennial of 1975. Mrs. Grayson undertook to research the land and property owners in this north part of Lincoln.

D. Rockmore, Marlene, Historical Data Section, Part II, Historic Structure Report, "The Captain William Smith House," 1980. This NPS study remains in draft form at the North Atlantic Historic Preservation Center.

E. Ronsheim, Robert, "Land in the Park," unpublished research notes on file at the Minute Man National Historical Park, ca.1964.

F. Ronsheim, Robert, "Smith Dodge Holdings and Occupants, Lincoln," unpublished research notes on file at Minute Man National Historical Park, 1965.

II. ARCHEOLOGICAL RESEARCH

An Archeological Data Section, Part II, Historic Structure Report, entitled "Archeological Investigations at the Captain William Smith House," was prepared by NPS archeologists Linda A. Towle and Dick Ping Hsu in 1984.

The archeologists examined three construction areas on the Smith House grounds at the beginning of the restoration work which started in January 1983.

In April 1983 when the floors of the ca.1900 additions were removed, the archeologists arrived to investigate the ground once ovccupied by the former lean-to in hopes of finding some surviving evidence that would date the construction of the lean-to. The excavations failed to turn up one positive clue suggesting when the lean-to was built.

In June, the archeologists monitored the excavation of the trenches that were dug to install the new water, electrical and telephone lines extending from the North Great Road to the Smith House. These findings are included in their report.

In October, the archeologists monitored the excavations north of the Smith House that were required to install a new sewer line, 1,000 gallon septic tank and a concrete leaching ring. Information obtained from on-site observations are included in their report.

III. COMPLETION REPORT - UNDERGROUND UTILITIES

A Completion Report, dated November 1983, was compiled to document the installation of the underground utilities completed under Contract No. CX1600-3-0026.

IV. RESTORATION WORK

A. Masonry Work

1. Stone Masonry Work

The quarried granite foundation stones along the south wall, thought to date from ca.1828, were removed and a concrete footing poured in place. The stones were then replaced in the same order as they were removed. However, in replacing the stones, they were aligned with the face of the foundation sill rather than the face of the wall boards, hence the stones are off one inch from their original position.

A new cellar window frame and a three light sash was fabricated and installed in the ca.1928 opening at the west end of the south foundation wall. The north wall of the cellar was found to lead inward several inches. The decision was made to save the wall in place and stabiliize it from the back side. An anciliary stone wall was built against the north side of the original wall and bonded to it to prevent further movement (see photograph enclosed in back of the report). In the cellar, the stone foundation walls were repointed wherever the mortar was missing. Since nothing remained of the original foundation wall above ground level along the west, north and east sides of the lean-to, this stonework was built over a concrete footing. The stone foundation wall forming a shallow celler under the ca.1928 wing north of the lean-to was left intact below the finished grade except in areas where the underground utilities breached through the stonework. The stone steps placed east of the lean-to door are temporary until such time that the grading is completed around the house and the final grade is established. At this time, the stones can be rearranged. The large step stone in front of the south entrance door was there when the property was purchased. Its age is unknown.

2. Brick Masonry Work

When the central chimney of ca.1693 was taken down ca.1910, the bricks were salvaged and reused in building the two single chimneys that stood when restoration work began in 1983. These chimneys, in turn, were dismanteled and the bricks salvaged and cleaned for reuse in the reconstruction of the central chimney in 1984.

Photographs taken of the Smith House in the late 19th and early 20th century, before the chimney was dismanteled, provided visual evidence in determining the brick coursing in the east, west and south sides of the chimneys and to lay out the design of the pilastered, double-arched face. We lacked, however, detailed photographs of the chimney caps and kitchen lean-to flue to produce a completely accurate representation of these features. It was recommended by the Chief of Historic Preservation that the major portion of the central chimney be re-built of concrete blocks. This suggestion proved to be a practical one since it utilized our day labor crew and integrated the work with that already underway. The concrete block walls were carried up to the roof level then topped off with bricks salvaged from the chimneys found in the house. A forced air ventilating sytem was built into the central chimney and connected to each of the five fireplaces via dampers installed above the throats of each fireplace. Fresh air is introduced into the house through the cellar window which will need to be left open at all times in order for the ventilating system to be effective. A squirrel cage electric fan is located in the attic which is operated by a combination humidistat-temperature control.

Five new fireplaces and hearths were reconstructed, their design being based on the evidence found in place within the chimney bay on the first floor as discussed in Part II, Historic Structure Report. Because the fireplaces are connected to the ventilating system, none of them are useable for cooking demonstrations or heating purposes.

New bricks used in building the fireplaces in the East and West Parlors came from the Saugus Iron Works NHS and were excess bricks from building the fireplace display in the museum. The bricks used in building the fireplace and hearth in the kitchen lean-to are "used" bricks purchased in Methuen, Massachusetts, and match the smaller sized bricks that are found in early 18th century buildings. The square tiles used to construct the remaining hearths came from the Salem Maritime NHS and were tiles collected by former Site Superintendent Edwin Small. The use of tiles for the hearth cover is purely conjectural as no evidence of tiles were found during the architectural investigation. However, most 17th century houses that remain standing in Massachusetts have their fireplaces laid with bricks and their hearths laid with tiles.

B. Epoxy Repairs

The "Beta" system of epoxy repairs was employed in the reinforcement of the original log joists supporting the floor in the West Parlor.

The "Beta" system of "Renofors" was developed and patented in the Netherlands in 1971. In 1975, the United States Governmeht granted the Dutch Company Patent No.3900541, designating them as sole distributor in the U.S.A., for this system of repair work.

"Beta" prooducts were purchased from the Dell Corporation of Rockville, MD, the sole distributor for the "Beta" products in the United States.

The photographs included in the back of this report show how the log joists were routed out on the top side, then reinforced with epoxy grout poured over 3/4-inch fiberglas rods laid the full length of the joists.

Other deteriorated members of the house, particularly the lower ends of the main posts, were treated with an epoxy resin called "Seep and Seal," which was purchased from Allied Resin Corporation of East Weymouth, MA.

C. CARPENTRY AND MILLWORK

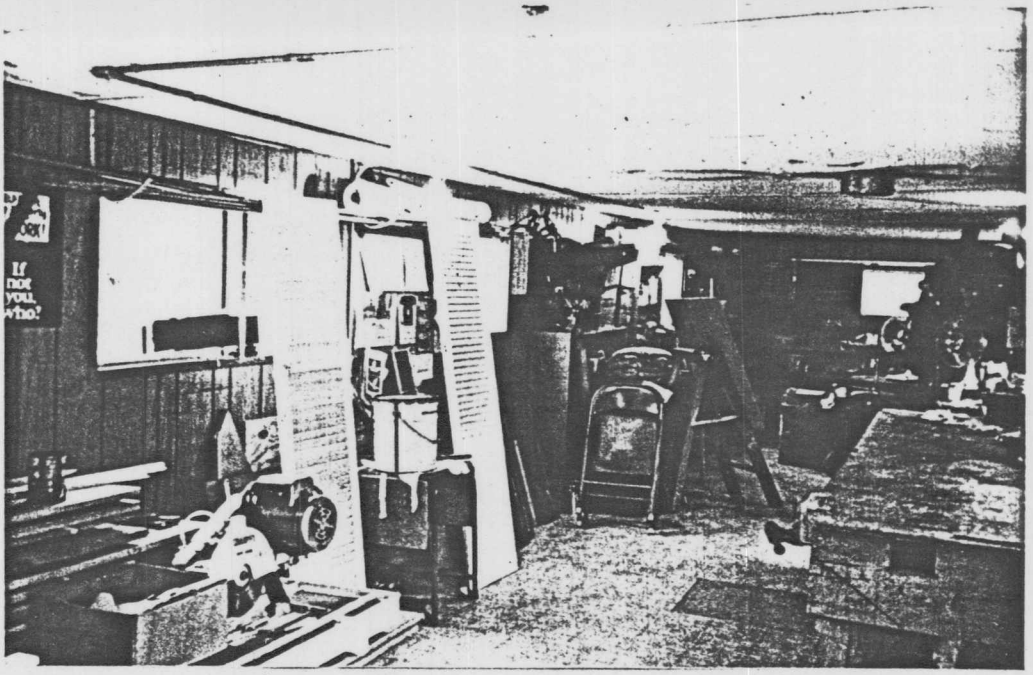
1. Rough Carpentry: Massachusetts Lumber Company furnished the framing material and lumber to reconstruct the lean-to. Oak was used for the frame work while Douglas Fir was selected and used for the subflooring, exterior wallboards and roofboards. The rotted or missing members in the main house were replaced with oak. The timbers set as reinforcement between the original log joists under the floor of the West Parlor were Douglas Fir as was the new floor built to support the East Parlor floor.

The day labor crew, under the supervision of Mike Fortin, laid out the frame of the lean-to and "raised" it on the site. Early 18th century framing methods were employed in its reconstruction: sills, posts, girts and summers measure eight inches or more square and were hand-hewn; joists rising braces and studding were mill sawn with vertical saw markings; and all members were mortised, tenoned and pegged together with trunnels in the traditional manner.

The six-inch settlement found in the southeast corner of the old house was partly eliminated by raising the frame with house jacks and accomplished, fortunately, without cracking any of the plaster.

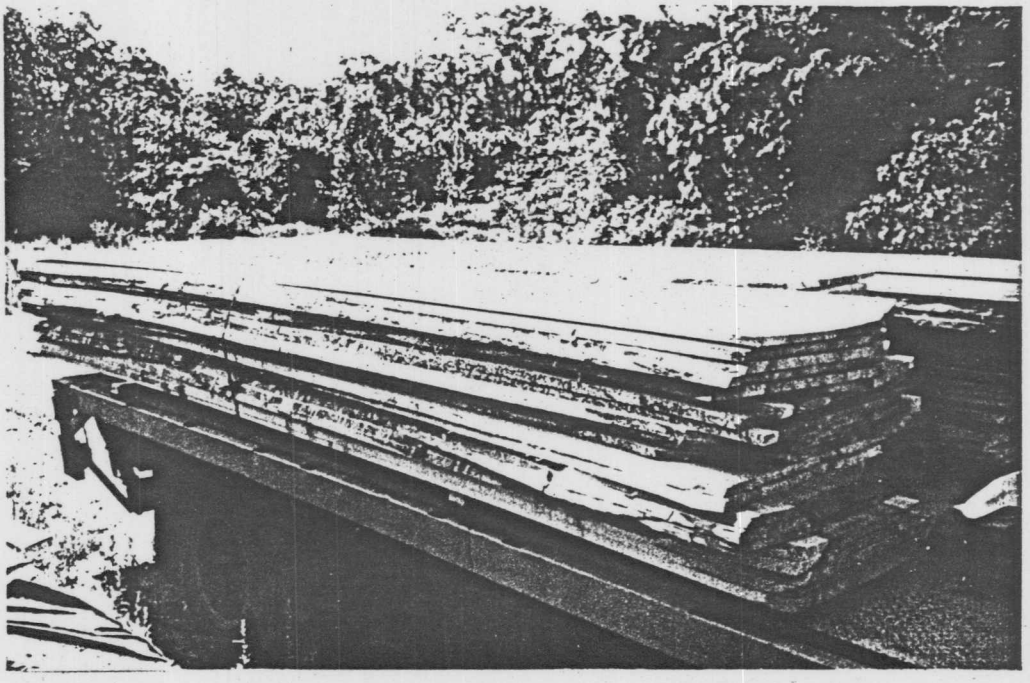
2. Millwork: Fourteen sheets of drawings were completed to show the millwork for the proposed restoration work. The entire lot of window frames and sash were reproduced by French and Ball of Gill, MA. The remaining millwork was furnished by the Cliftondale Woodworking Company of Saugus, MA. White pine was used exclusively by both shops. The wide white pine boards required for finishing off the walls and floors were furnished by Currier Lumber Corporation of Everett, MA., the Churchill Forest Products Inc., of Hansom, MA, and the Parlee Company of Littleton, MA.

All millwork was hand-planed by our day labor crew in a shop trailer set up at the site before being fitted and installed at the building.



Interior view of the Shop

NPS Photos By: M. Fortin, 1984



A delivery of White Pine boards

D. Hardware

All of the hardware used throughout the house is reproduction hardware. Kenneth Parrot of South Strafford, VT, hand-forged the gudgeons and kitchen crane and made the brass plate to cover the key hole in the lean-to door. The iron lock and keeper mounted on the front entry door was purchased from Ball and Ball in Exton, PA. The remaining hardware items and hand-forged nails were made by Donald Goss and his crew at Woodbury, CT. The rim lock installed on the east exterior door of the lean-to is a wrought iron case containing a modern cylinder lock made by the Best Lock Company which contains a core that is keyed to the security system of the Park.

The hardware was installed by our day labor crew under the supervision of Michael Fortin. Two full sized and five 8-1/2" x 11" sheets of hardware drawings were prepared for this work.

E. Doors and Windows

The arrangement of door and window openings as restored in 1984 represent the fenestration of these features as found on April 19, 1775. While the size and style of the door and window openings changed from time to time, they never varied from their original layout. The one exception seems to be the introduction of a second window into the east wall of the East Parlor. This 19th century window is visible in the photographs taken between 1900 and 1905.

The five window frames on the second floor of the ca.1693 house which date from ca.1828 were left in place; only new sash having 7" x 9" glass was introduced. A new reproduction sill was required for the window frame located in the east wall of the East Chamber to replace a 20th century version.

The remaining windows throughout, including the lean-to, are reproductions of mid-18th century window frames and sash. They differ from the plank frames of ca.1828, in that they hold both upper and lower sash, have a beaded inner edge to the jambs and have cornices with hoods instead of drip caps. The 18th century frames are nailed to the wall with four large, hand-wrought nails as opposed to the ca.1828 frames fastened with ten smaller machine-cut nails. Other differences in their fabrication, mainly the introduction of weather proofing features to the ca.1828 frames, can be noted in the architectural drawings.

The design of the sash is not entirely conjectural. A loose piece of stile was found in the attic of the Smith House that was assumed to have come from the sash used in the building between ca.1750 and ca.1828. It was used as a pattern to fabricate the four-over-four, six-over-six, eight-over-twelve and fifteen-over-twenty light sashes used in the restoration.

There are only two (restored) exterior doorways in the Smith House. Prior to the addition of the lean-to, the door opening in the north wall of the East Parlor (formerly the location of the original kitchen) was probalbly an outside door. We know from the probate of 1734, there was a door in the east wall (of the lean-to). If there were additional exterior doorways in the lean-to they would be conjectural.

The front door of ca.1693 to the Smith House was a single width door probably with a transom window overhead. During the remodeling between 1734 and 1758, the opening was enlarged and double doors installed. This assumption was based on finding a set of pintel holes in the studs located on each side of the opening. A weather mark on the studding was interpreted as having been the former location of a transom sash. The design of the double doors and fronticepiece are conjectural. Weathermarks found on the wall boards were interpreted as being the pitch of the pediment and the overall width of the frame. The Nathaniel Whittemore House in Lexington (NPS park house) built about the time of the second remodeling, was used to glean some architectural details for the design of the fronticepiece.

F. Clapboards

Rough sawn, white pine clapboards, up to six feet in length were ordered from the Granville Mfg. Co., Inc., of Granville, VT. Six thousand board feet were ordered at the rate of $500.00 m. The exposed face and the lower edge of the rough-sawn clapboards were hand-planed then each end was given a lap or feathered end with a "slick," a broad-bladed, long-handeled chisel. The laps coincide with the studding to permit the nailing to penetrate through the wall boards and into the studs. Prior to nailing, the clapboards were treated with a solution of "Hydrozo" to resist the passage of moisture. The clapboards were nailed at each studding with hand-wrought, rose-headed nails.

Only the front and the ends of the house were clapboarded. The rear or north wall of the house received two thickness of wide wall boards, the outer layer being featheredged and lapped at the end joints. The outer layer of boards were pressure treated with a fungicide at the Patterson and Hathaway Plant at Mansfield, MA. Like the clapboards these boards were nailed at each studding with two, hand-wrought, rose-headed nails per board. The wall boards were ordered with vertical band-saw markings to represent the "up and down, sash saw" found in colonial sawmills.

G. Exterior Trim

The bed molding from ca.1828 terminating the plaster cove cornice was left intact as was the fascia and crown molding of ca.1693 above it. Splices were required to fill out the missing parts of the bed and crown moldings. New pieces of trim were used throughout the exterior for the verge boards, attic belt boards, soffit boards for the overhanging attic girt and trim for the lean-to doorway. All new pieces were fastened with new hand-wrought nails.

H. Roof and Roof Covering

The rafter and roof purlins comprising the 17th century roofs structure were found in relatively good condition and required no replacements or reinforcements. Although none of the original roof boards were removed and replaced, many of them had areas of rot that required filling in with new material. While the roof boards were exposed, they were measured and recorded on paper (see Sheet Nos. 15 and 16 of the restoration drawings).

Eigtheen inch long red cedar shingles were nailed to the roof then caoted with "Hydrozo," a colorless water repellent. "Hydrozo" was also sprayed over the bricks of the central chimney.

After the shingles were laid, the brickwork of the central chimney below the drip courses was parged with mortar to make a watertight joint at the juncture of the masonry work and the roof shingles. Parging brickwork below the drip courses is an old colonial detail in Massachusetts. If one examines the late 19th century photographs of the Smith House, the parged work can be seen.

I. Floors

The existing floor boards found in the attic and in the East and West Chambers date from ca.1693, while the floor boards on the second floor landing and five floor boards in the stairhall on the first floor are thought to date from the 1750's. Two full length "old" pine floor boards salvaged from the ca.1900 addition were placed adjacent to the east sill in the East Parlor. These boards were found with a red paint on them all but 1-1/2 inches from each end. It was decided that a three inch wide cleat had once been used to cover the voids. The Exhibit Specialist found evidence in the East and West Chambers that cleats had been used around the outside perimeter of these rooms. The modern, random width hearth boards (nailed with machine-cut nails) were removed from the floor patch in the East Chamber and replaced with new boards spliced to the ends of the original ones. Hearths that extended into the room began to appear after the second quarter of the eighteenth century.

New white pine floor boards were tapered, hand planed and nailed with hand-wrought, T-headed nails in the East and West Parlors and the kitchen lean-to. Several new boards were also required to fill out the void in the flooring in the stairhall on the first floor. All of the floors were painted red on the first floor except the stairhall.

J. Interior Trim

Several parts of interior trim dating before 1775 survive throughout the house.

1. Doorways

a.) A complete door "buck" consisting of the jambs and head pieces survived intact within the north wall (east corner) of the West Parlor. It was nailed in place with hand-wrought, T-headed nails and had black as its first paint layer. This doorway was reopened as part of the restoration work.

b.) Located in the center of the north wall of the West Parlor was a second doorway thought to pre-date 1775. Only the east door "buck" survived to establish its date. It too was nailed with hand-wrought, T-headed nails and had black as its first paint layer. This doorway was restored with new door casings applied to both sides of the opening.

c.) A surviving piece of door surround that pre-dates 1775 can be found on the hallway side of the doorway leading to the West Parlor. It is a short section of so-called "thumbnail molding." This was left intact and filled out with matching pieces of molding.

d.) The vertical piece of wallboard that formed the north jamb of the doorway of the east wall of the West Chamber survived with a hexagonal cut (up 5'-11") that established the height of the pre-1775 door header. Based on this evidence, the remaining parts of the doorway were restored.

e.) The doorway in the north wall of the East Parlor was shifted eastward approximately twelve inches from its ca.1683 location to conform with the alterations of the ca.1750 when a wider and higher doorway was built to give easier access to the lean-to. Height was gained in ca.1750 by cutting into the raised foundation sill approximately four inches; and width was gained by cutting out and moving one studding (see Sheet No. 14 of the restoration drawings).

f.) The remaining doorways in the chambers, parlors, and hallway rooms were restored to their original size while those openings in the lean-to are all new construction.

2. Window Trim

a.) West Chamber: The window trim in this room may date from ca.1828 although the use of the ogee molding and hand-wrought nails found on the head rim of the west window is identical to that used before 1775. All window trim in this room was left intact.

b.) Hallway, Second Floor, and East Chamber: The window trim in these rooms probably date from ca.1828 when the window frames were changed. They were left intact as found.

c.) West Parlor, East Parlor and Lean-To: all new window trim.

3. Girt Trim. The wooden trim found on the south girts of the first and second floors of the stairhall probably dates from the remodeling changes effected in the 1750's. The soffit board on the first floor required some repair work at the doorway when the new double doors were installed.

4. Fireplace Trim.

a.) West Chamber: Two pieces of jamb trim thought to pre-date 1775 survived on the north side of the ca.1828 mantlepiece. After the reconstruction of the fireplace in 1984, these pieces were renailed in place and the remainder of the chimney breast filled in with new molding. The restored chimney breast and mantel is somewhat conjectural. A ghost outline of an early mantel was found on the south jamb after the paint was removed but we were unable to interpret its configuration. The plaster cove above the mantel was restored to the evidence found on the south jamb board.

b.) East Chamber: The vertical paneling that formed the finish for the west fireplace wall was taken down and repaired: i.e., the lower ends extended and damaged areas repaired. The boards were replaced and a new bolection molding applied around the fireplace opening conforming to the evidence left by lack of paint.

C.) East Parlor: During the remodeling work of the 1750's, we think that the kitchen was moved from the east room of the ca.1693 house and placed in the lean-to and that the east room was turned into a parlor. The 17th century casement windows were replaced with double hung; the fireplace was made smaller by building in an up-to-date fireplace having splayed jambs and a shallower fireback; and the fireplace wall was rebuilt using a paneled chimney breast, paneled door and a new cupboard built in the northwest corner of the room. The old hearth was probably shortened and a new wooden floor filled in under the corner cupboard. Coinciding with this change was the rebuilding of the central stairway which backs up to the East Parlor walls.

d.) West Parlor: With the exception of the four original (ca.1750's) vertical boards, the design of the fireplace wall in the West Parlor is conjectural. Enough hand-wrought nails or nail holes were found in the soffit of the overhead girt to establish that the wall was planked. Boards were ordered to match the existing ones to fill out the rem ning wall. The closet and molding surrounds are conjectural.

K. Plaster

1. Plaster that pre-dates 1775 can be found in the following rooms.

a.) Ceiling of the East Parlor (cracks filled).

b.) Ceiling and walls of the West Parlor, except for repairs to patches along the foundation sills of the south and west walls. The door opening in the center of the north wall was reduced in width and a plaster patch filled in the void (cracks filled).

c. Ceiling and walls of the East Cahmber except for closing in the doorway of the north wall (cracks filled).

d.) Ceiling and walls of the West Chamber except for closing in the doorway to the north wall (cracks filled).

e.) Ceiling and walls above the second floor level in the stairhall. The ceiling in the stairhall was badly cracked and required extensive repairs.

f.) Repairs were made to the plaster cove cornice along the south wall.

2. Plaster applied during the 1983-84 restoration work.

a.) All plaster in the stairhall on the first floor that occurs below the second floor level.

b.) Plaster cove cornice above the mantel in the west chamber.

c.) All plaster in the lean-to.

d.) All plaster covering the concrete block supporting the central chimney.

L. Paint

1. Oil Paint: The Johnson Company of Boston, MA supplied all the alkyd oil paint and mixed the hues to match the Munsell Company color chips. All paint was applied by our day labor crew.

2. A two part epoxy primer called "Gluvit" was used as a primer for the exterior woodwork (trim only) and the interior side of the sash and for the shelves of the corner cupboard.

3. Limewashes: the whitewashes and tinted lime washes were mixed on the job by Mike Fortin. Hues were matched to the Munsell Co. color chips.

4. Water Repellant: "Hydrozo" was used to coat the surfaces of the clapboards, the exterior wall boards on the north wall, the roof shingles and the bricks of the central chimney.

M. Utilities

1. Electrical Service: A new underground electrical service was installed into the cellar of the Smith House in July 1983. A plywood panel board was installed against the north wall of the cellar where the electrical distribution panels and electric meter were placed. Convenience outlets for 110 volt service were mounted inside each fireplace as well as the attic, cellar, at the head of the cellar stairway in the lean-to, staff room and closet area on the second floor.

2, Electric Lighting: One 110V electric incandescent light was installed inside each fireplace with a cut-off switch located at the head of the stairway in the lean-to. Electric lights were installed in the cellar, staff room, toilet, stairways, closet area on the second floor and attic.

3. Telephone: A new telephone underground service was installed into the cellar of the Smith House in July 1983. This service provides dialing service for the intrusion and fire alarm systems.

4. Water Supply and Plumbing: A new underground water supply was installed in July 1983 into the cellar of the Smith House where a water meter was installed against the north wall. A water cut-off valve was installed in the roadway between the lean-to and the well. Another water cut-off for the Town of Lincoln is located at Virginia Road. Water is piped to the toilet fixtures and sink located on the first floor of the lean-to.

5. Sewerage: A new 1,000 gallon concrete septic tank and concrete leaching pit were installed north of the lean-to. Each unit has a metal clean-out cover located at ground level.

6. Intrusion System: This system is connected to telephone dialing service that contacts the Park staff and the Lincoln Police Department. The arming device is located at the head of the stairway in the lean-to. Magnetic controls

were installed on all doors and windows on the first floor. Final connections and tests were made by the Lexington (MA) Alarm Systems Company.

7. Fire Detection System: The fire detection system is a combination of rate of rise detectors and "Protectowire." The "Protectowire" was installed around the perimeter of the house on the exterior and concealed just under the lower clapboard and north wall boards. It was also installed in the attic and in the garret of the lean-to. The Ademco Alarm devices were purchased in order to conform with those used throughout the Park. Final connections and tests were made by the Lexington (MA) Alarm Systems Company. The fire alarm signal is connected to a telephone dialing system that contacts the Park Staff and the Lincoln Fire Department. A pull station was located at the head of the stairway in the lean-to. An alarm horn was also mounted in the house. At Virginia Road, a Gamewell manual pull box was mounted on the Boston Edison utility pole.

N. Ventilating System

No provisions were made for heating the house. Instead, a forced air ventilating system was installed to draw outside air through the cellar window and through each of the five fireplaces. The throat of each fireplace was blocked off and a moveable damper installed at this location to control the amount of air withdrawn from each room. A squirrel-cage fan driven by an electric motor was installed in the attic and connected to a duct placed within the flue of the central chimney. The core of the central chimney, in effect, was left open to serve as a return air chamber. A humidistat-thermometer switch controls the action of the fan.

O. Staff Rooms

1. Staff Meeting Room: A staff meeting room containing a kitchenette unit was set off at the west end of the lean-to. A closet located in the southwest corner of this room contains the control panels for the intrusion and fire alarm systems.

2. Toilet: Adjacent to the meeting room in the lean-to a small toilet room was partitioned off which contains a water closet and lavoratory.

Form DI-1
(Rev. 4-55)

UNITED STATES
DEPARTMENT OF THE INTERIOR
REQUISITION

Requisition Number

To

Bureau or Office

Date

Appropriation and Allotment or Project No.

Charge shipping costs to

Vendor

Deliver to

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Furnish the following pieces of oak timber in the net dimensions shown. All oak to be Select Car Stock and shall conform to the National Hardwood Lumber Association grading rules. Species of lumber to be of mixed red and white oak and shall be left rough sawn having vertical band saw markings on all four surfaces as noted below.				
	Furnish the following material with vertical saw markings on all four surfaces:				
	2-3/4" x 3-3/4" x 7'-0" studding	60	PC		
	2-3/4" x 4½" x 5'-0" brace	2	PC		
	2-3/4" x 4½" x 7'-0" "	6	PC		
	2-3/4" x 4½" x 8'-0" "	4	PC		
	2-3/4" x 5" x 9'-0" ceiling joist	10	PC		
	2-3/4" x 5" x 12'-0" " "	16	PC		
	2" x 8" x 16'-0" ledger	4	PC		
2	Furnish the following material with either vertical or radial saw markings:				
	3" x 5½" x 10'-0" floor joist	20	PC		
	4-3/4" x 8" x 14'-0" rafter	20	PC		
	7½" x 7½" x 10'-0" c1692 girt/sill	2	PC		
	8" x 8" x 10'-0" header/girt	4	PC		

For Use When Additional Approval Is Required

Bureau Officer

(Signature) (Date)

Requisitioned by (Signature)

Title

Approved by (Signature)

Title

Prepare in single space typing. Use double space between items. Fill out top of requisition completely, showing complete shipping instructions and appropriation if different from that to which requisition is chargeable.

REQUISITION
(Continuation Sheet)

Bureau _____

Bureau No. _____

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Furnish the following material with either vertical or radial saw markings:				
	8" x 8" x 10'-6" summer	4	PC		
	8" x 8" x 12'-0" sill	2	PC		
	8" x 8" x 14'-0" girt	2	PC		
	8" x 8" x 16'-0" sill	2	PC		
	8" x 8" x 22'-0" sill/plate	4	PC		
	8½" x 8½" x 9'-0" post	5	PC		
	10" x 10" x 16'-0" splice	2	PC		
	10" x 10" x 6'-6" lintel	2	PC		
	12" x 12" x 9'-0" lintel	2	PC		
3	Furnish the following pieces of lumber in the net dimensions shown. All lumber to be square edge, Douglas Fir, D & Better and shall conform to the WestCoast Lumber Inspection Bureau grading rules. All lumber to be rough sawn and shall show vertical band saw marks. All lumber shall be either air or kiln dried to a moisture content at or below nineteen percent.				
	3/4" x 12" (both net) x 10'-0" subfl	36	PC		
	3/4" x 12" (both net) x 14'-0" roof/fl	24	PC		
	3/4" x 12" (both net) x 16'-0" subfl	45	PC		
	3/4" x 1'-2" (both net) x 10'-0" wall	4	PC		
	3/4" x 1'-2" (both net) x 14'-0" roof	24	PC		
	3/4" x 1'-2" (both net) x 16'-0" wall	12	PC		
	3/4" x 1'-4" (both net) x 10'-0" wall	2	PC		
	3/4" x 1'-4" (both net) x 14'-0" wall int	2	PC		
	3/4" x 1'-4" (both net) x 16'-0" roof/wall	14	PC		
	3/4" x 1'-6" (both net) x 12'-0" wall int	2	PC		
	3/4" x 1'-6" (both net) x 14'-0" wall int	6	PC		
	3/4" x 1'-6" (both net) x 16'-0" wall int	4	PC		
	3/4" x 1'-8" (both net) x 10'-0" wall int	2	PC		
	3/4" x 12" (both net) x 18'-0" subfl	16	PC		
	3/4" x 12" (both net) x 12'-0" wall	24	PC		
	1-3/8" x 12" (both net) x 9'-0" stair	4	PC		
	1-3/8" x 12" (both net) x 14'-0" stair	2	PC		

U. S. GOVERNMENT PRINTING OFFICE : 1971 O - 419-210

REQUISITION
(Continuation Sheet)

Bureau .....

Bureau No. .....

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
4	Furnish the following pieces of lumber in the net dimensions shown. All lumber to be surfaced four sides, square edge, Douglas Fir, D & Better and shall conform to the West Coast Lumber Inspection Bureau grading rules. All lumber shall be either air or kiln dried to a moisture content at or below nineteen percent.				
	3/4" x 4" (both net) x 3'-0" threshold	5	PC		
	3/4" x 6" (both net) x 3'-0" "	8	PC		
	3/4" x 12" (both net) x 9'-0" floor	10	PC		
	3/4" x 12" (both net) x 5'-0" floor	10	PC		
	3/4" x 12" (both net) x 6'-0" floor	6	PC		
	3/4" x 1'-4" (both net) x 18'-0" floor	26	PC		
	7/8" x 8" x 3'-0" (both net) tread Sheet#10	2	PC		
	7/8" x 10" x 3'-0" (both net) tread Sheet#10	3	PC		
	7/8" x 10½" x 3'-0" (both net) Tread Sheet#10	16	PC		
	7/8" x 3" (both net) x 7'-0" handrail	1	PC		
	13/16" x 10⅛" (both net) x 3'-0" risers See Sheet # 10 item #5	18	PC		
	2-3/4" x 2-3/4" (both net) x 4'-0" newel	1	PC		
	2" x 4" (nonimal size) x 8'-0"	14	PC		
5	Furnish the following pieces of lumber as stated in Item No. 4 but with shiplap edges:				
	3/4" x 12" (both net) x 10'-0" floor	10	PC		
	3/4" x 12" (both net) x 16'-0" floor	22	PC		
6	Furnish the following pieces of lumber as stated in Item No. 4 except lumber to be Select Structural Grade, 1600 psi F-b, Douglas Fir and shall be pressure treated with copper chrome arsenate. Kiln dried to a moisture content of nineteen percent after treatment.				
	4" x 6" (both net) x 16'-0" joist	13	PC		

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REQUISITION
(Continuation Sheet)

Bureau .....

Bureau No. .....

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7	Furnish the following pieces of Eastern White Pine (Pinus Strobus) in the net dimensions listed below and as shown on the millwork drawings NPS No. D-06553-002. Grades specified shall be in accordance with the latest edition of the North Eastern Lumber Manufacturer's Association (NELMA) standard grading rules. All lumber shall be kiln-dried with a maximum moisture content of nineteen percent. All lumber shall be surfaced on four sides and free from milling imperfections. All pieces shall be solid; glued-up pieces are not acceptable. All joints shall be tightly fitted and secured as shown on drawings without the use of glue. Samples of all moldings shall be submitted for approval before work is to progress.				
	All pieces of millwork shall be labeled with chalk or some other non-staining marker. Label shall refer to sheet number and schedule symbol for particular piece. Pieces shall be bundled in appropriate lots with reference to schedules.				
	The following items shall be milled from Grade C or better lumber (only tight knots acceptable)				
	Exterior window frames: Size 1 (3 ea) size 2 (1 ea) size 3 (4 ea) size 4 (4 ea) size 5 (1 ea). See Sheet #2 for sizes.	13	EA		
	Exterior window sill, c1828 (1 ea). See Sheet #2 for size.	1	EA		
	Cellar window frame (1 ea), items A & B on schedule, see Sheet #4 for sizes.	1	EA		
	Boards required for nine board and batten doors, items A through T on schedule, see Sheet #5 for sizes	1	Lot		
	Boards required for six board and batten doors, items A through O on schedule, see Sheet #6 for sizes	1	Lot		
	Wainscot boards for walls of East Parlor, items A through Q on schedule, see Sheet #8 for sizes	1	Lot		
	Vertical Wall boards for west wall of East Parlor as listed on Schedule, see Sheet #8 for sizes	3	PC		

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REQUISITION
(Continuation Sheet)

Bureau .....

Bureau No. .....

ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Chimney Bay boards for north wall, 2nd floor as listed on schedule, Sheet #8 for sizes	4	PC		
	Boards required to batten front door, items D,E,F on schedule, Sheet #9 for sizes	3	PC		
	Partition boards for Lean-to, item #12 on schedule, Sheet #10 for sizes. 45 pcs.	1	Lot		
	Exterior window hood, item #1 on Sheet #11, 45 lin. feet	1	Lot		
	The following items shall be milled from Grade "B" or better lumber.				
	Sash #1 (e ea); sash #2 (3 ea); sash #3 (1 ea); sash #4 (1 ea); sash #5 (4 ea); sash #6 (4 ea); sash #7 (4 ea); sash #8 (4 ea); sash #9 (1 ea); sash #10 (1 ea); sash #11 (3 ea); sash #12 (3 ea); sash #13 (1 ea); sash #14 (1 ea); sash #15 (1 ea); see schedule on Sheet #3 for sizes.	35	EA		
	Trim pieces required for east door of Lean-to, items 1 through 11, see schedule on Sheet #4 for sizes	1	Lot		
	Trim pieces required for front door surround, items 1 through 23; see details on Sheet #7 and schedule on Sheet #8 for sizes	1	Lot		
	Exterior paneled door for south wall, items A through C plus raised panels as shown on Sheet #9	1	EA		
	Trim pieces shown on Sheet #10 as follows:				
	Item #1, bolection molding, 13 lin. ft.	3	PC		
	Item #2, mantel trim, 13 lin. ft.	2	PC		
	Item #3, fireplace surround, 32 lin. ft.	6	PC		
	Item #4, nailing strip & cleat, 55 lin. ft.	7	PC		
	Item #6, mantel shelf, 6½ lin. ft.	1	PC		
	Item #7, Door trim, 115½ lin. ft.	21	PC		
	Item #8, Door trim, 68 lin. ft.	11	PC		
	Item #9, Door stop, 74 lin. ft.	14	PC		
	Item #10, Door head, 25 lin. ft.	7	PC		
	Item #11, chimney girt trim, 15 lin. ft.	2	PC		
	Item #13, mantel shelf, 8½ lin. ft.	1	PC		
	Item #14, mantel shelf trim, 8½ lin. ft.	1	PC		
	Item #15, mantel shelf, 8½ lin. ft.	1	PC		
	Item #16, mantel shelf, 8½ lin. ft.	1	PC		
	Item #17, baseboard, 44 lin. ft.	4	PC		
	~~Item #18, door trim, 180 lin. ft.~~	36	PC		

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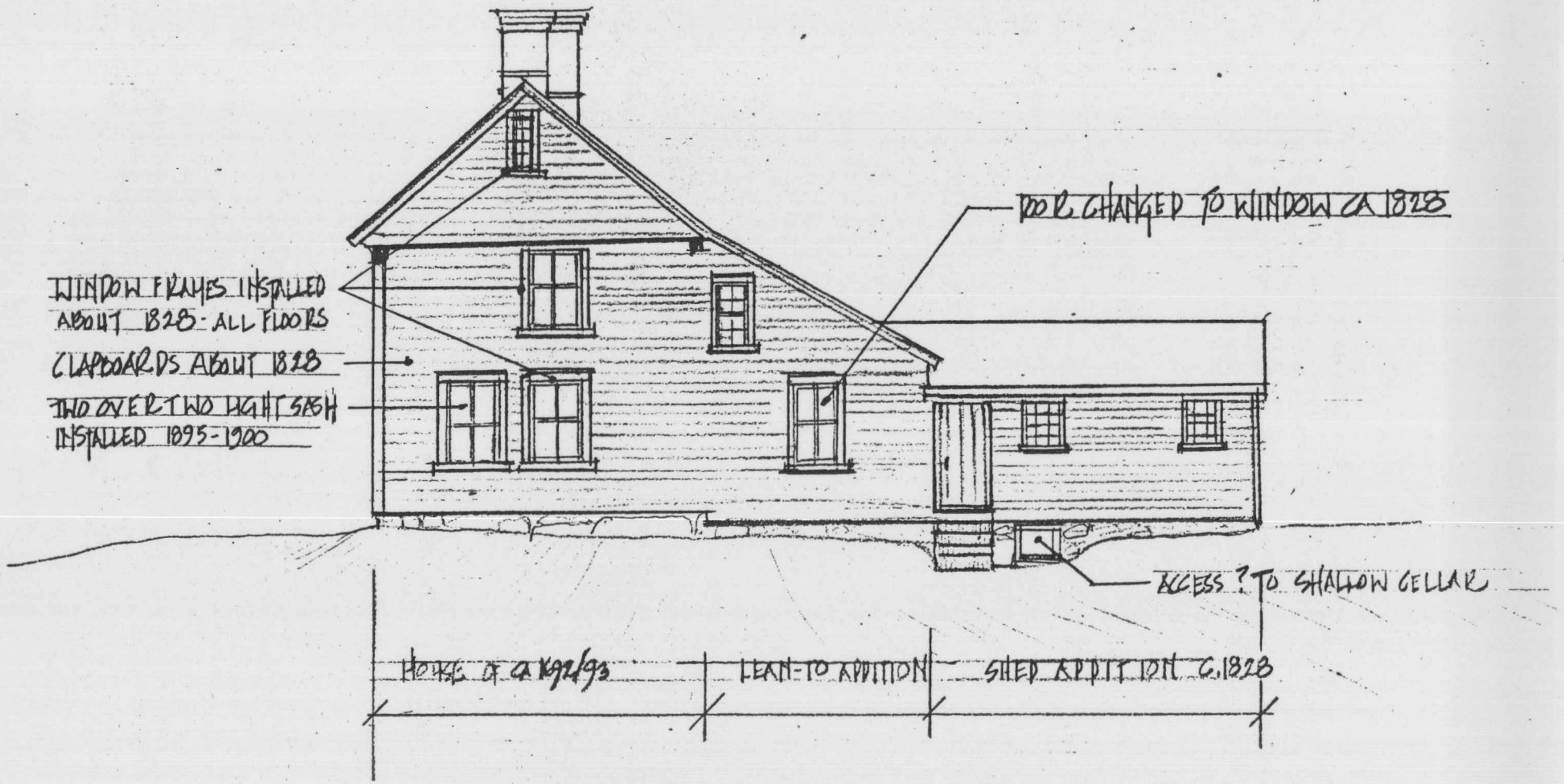
REQUISITION
(Continuation Sheet)

Bureau .....

Bureau No. .....

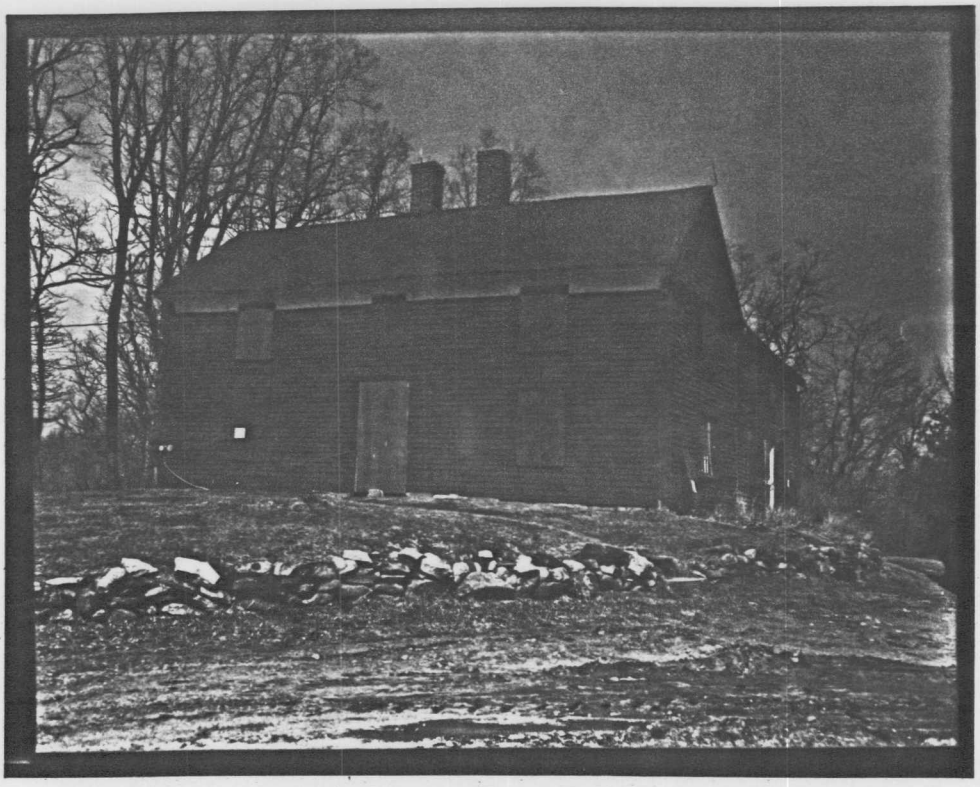
ITEM OR FORM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Furnish trim pieces as shown on Sheet #11				
	Item #2, window cap trim, 49 lin. ft.	10	PC		
	Item #3, crown molding, 18 lin. ft.	2	PC		
	Item #4, bed molding, 3 lin. ft.	1	PC		
	Item #5, corner board, 48 lin. ft.	4	PC		
	Item #6, corner board, 48 lin. ft.	4	PC		
	Item #7, Belt board, 48 lin. ft.	4	PC		
	Item #8, Soffit board, 36 lin. ft.	2	PC		
	Item #9, Ridge Board, 80 lin. ft.	8	PC		
	Item #10, Cornice end board, 8 lin. ft.	1	PC		
	Item #11, verge board trim, 28 lin. ft.	2	PC		
	Item #12, verge board, 28 lin. ft.	2	PC		
	Item #13, verge board trim, 56 lin. ft.	4	PC		
	Item #14, verge board, 56 lin. ft.	4	PC		
	Item #15, window trim, 17 lin. ft.	4	PC		
	Item #16, window trim, 58 lin. ft.	16	PC		
	Furnish square edge stock not shown on drawings				
	Window stool, 3/4" x 5" x 3'-6"	2	EA		
	window apron, 3/4" x 3½" x 3'-6"	2	EA		
	Twenty-one squares (84 bundles) wood shingles, eighteen inch red cedar shingles, Blue Label, Five-X Brand, No. 1 Grade, 100% heartwood. Conforming to the grading rules established by the Red Cedar Shingle and Hand Split Shake Bureau.	21	SQ		
	55 lbs. shingle nails, 3d, wire drawn, hot-dipped galvanized nails.	55	lb.		

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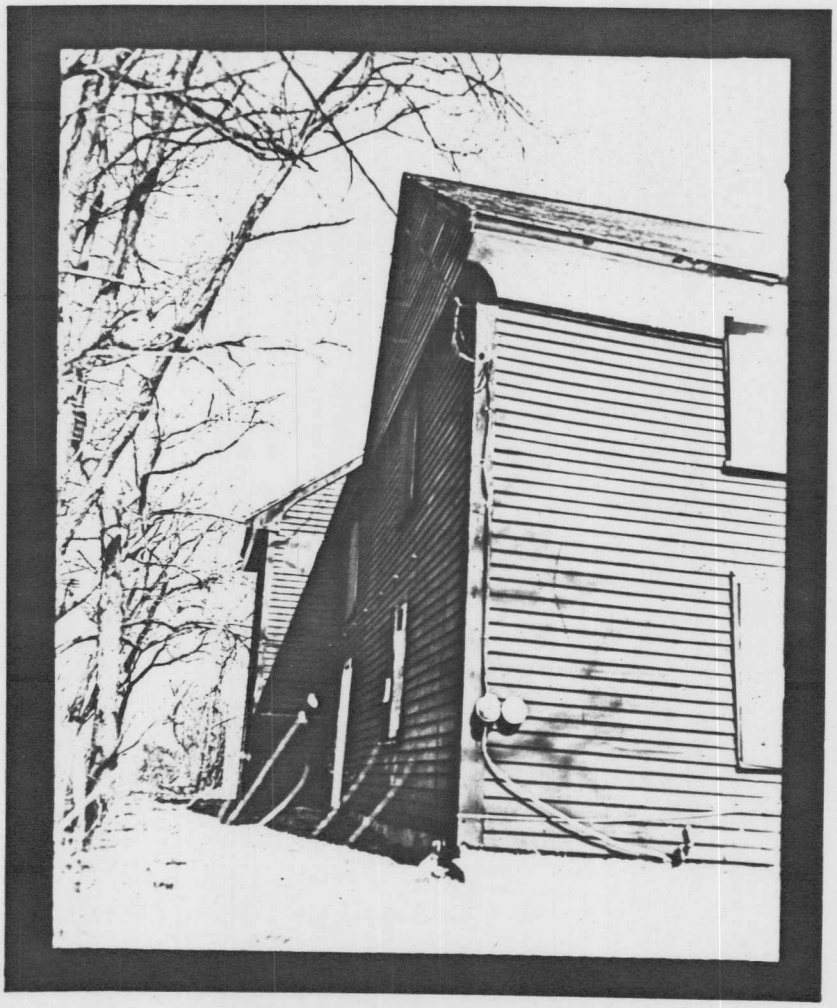
CPT WM. SMITH HOUSE - EAST SIDE ABOUT 1900

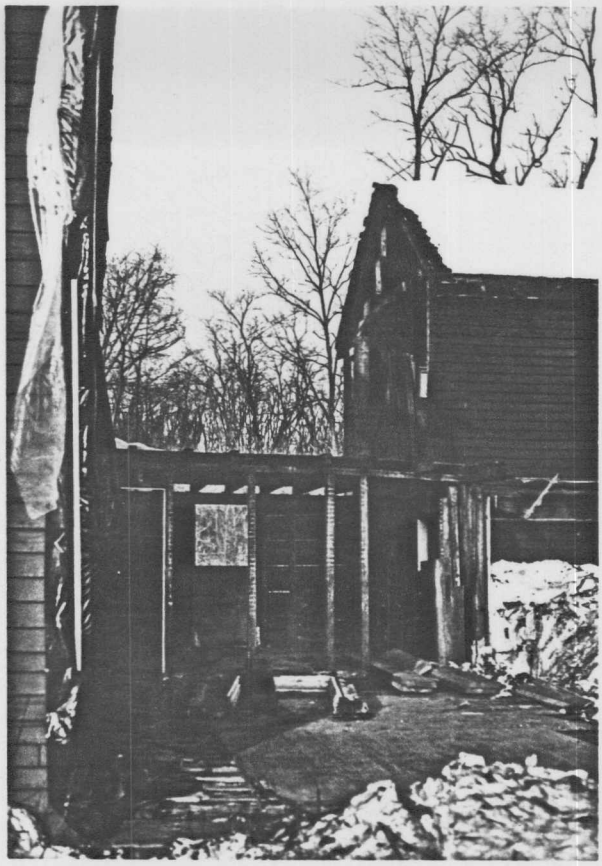
VIRGINIA ROAD - LINCOLN, MASS. - MINUTE MAN NHP. 1



Pre-restoration photographs, Cpt. Wm. Smith House

NPS Photos By: O. W. Carroll, March 20, 1980

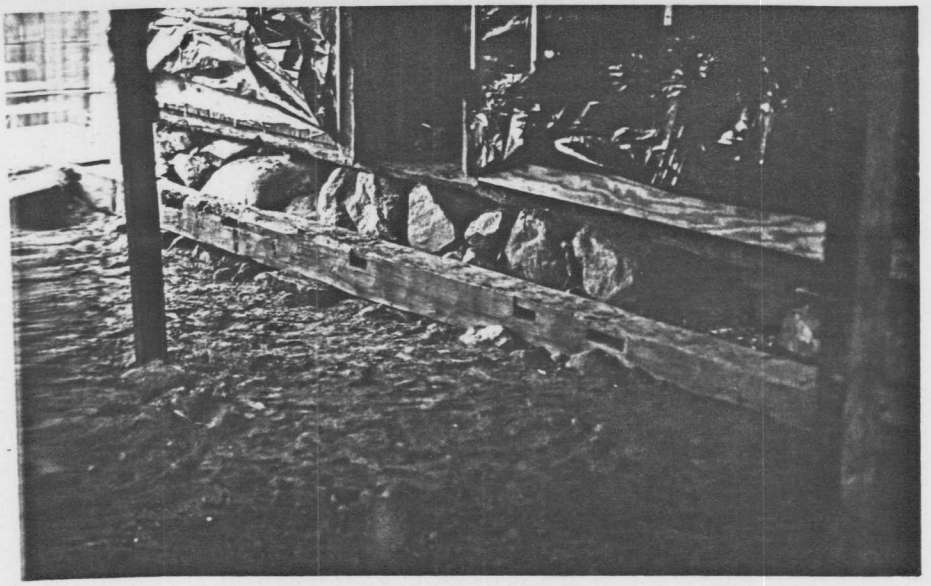




Removal of the c. 1900 additions to the north wall of the Cpt. Wm. Smith House.

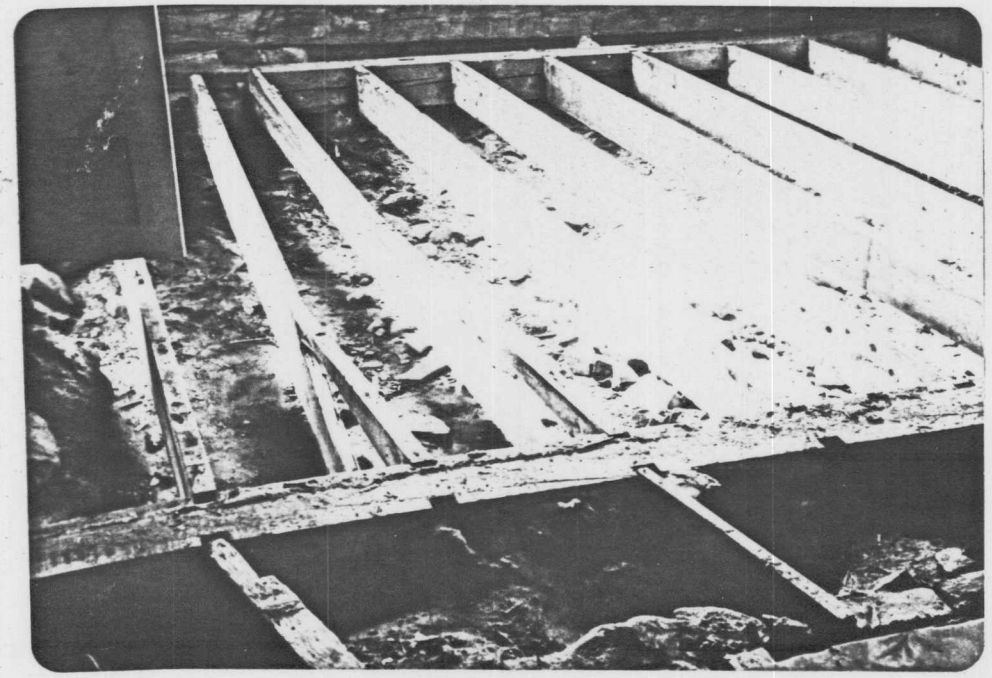
NPS Photos By: Michael Fortin, January 1983





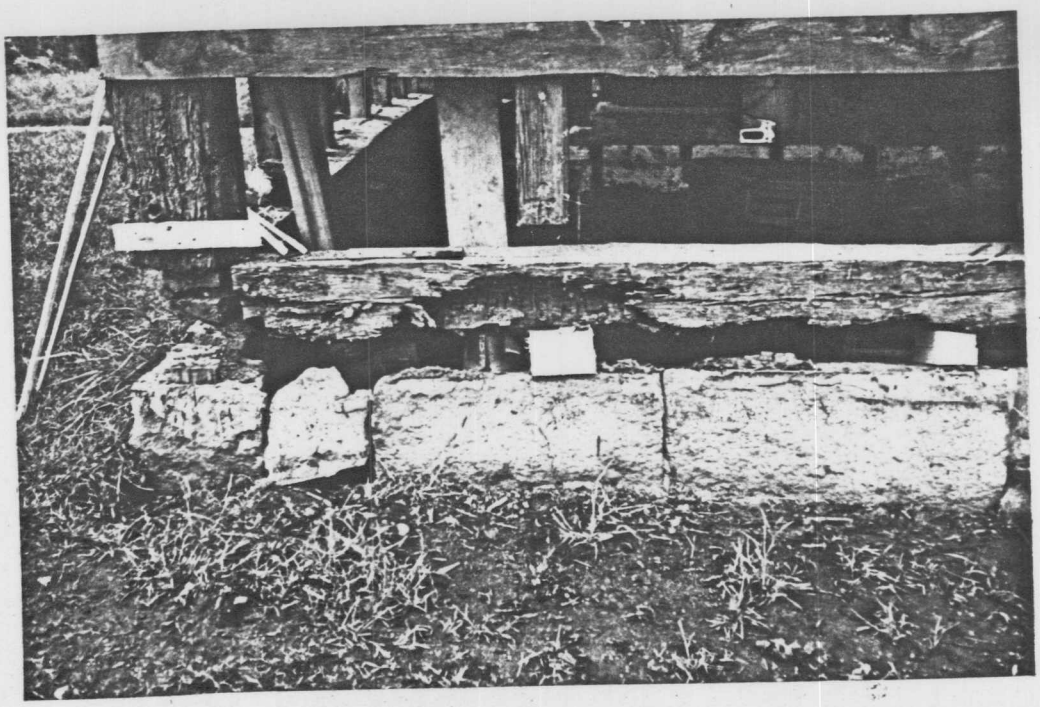
Most of the lumber used in the construction of the c. 1900 additions to the Cpt. Wm. Smith House was found to be salvaged pieces such as the hand-hewn beam above.

NPS Photo By: Micahel Fortin, January 1982



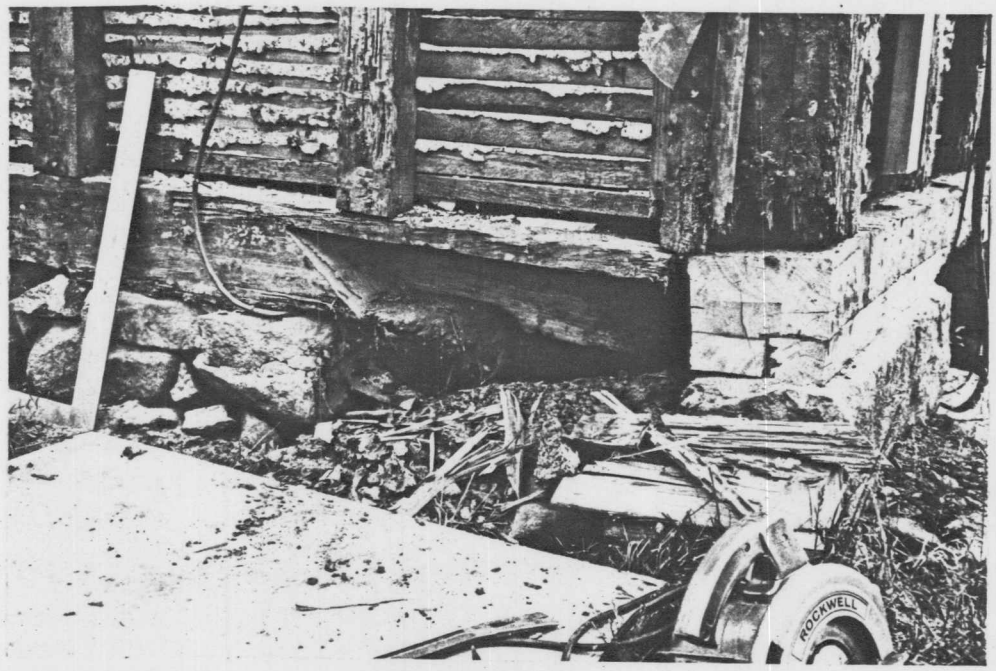
Floor frame of the West Parlor was constructed of salvaged pieces of beams and joists, all formerly whitewashed. Probable date of construction of floor is 1900-1910.

NPS Photo By: Michael Fortin, August 1983



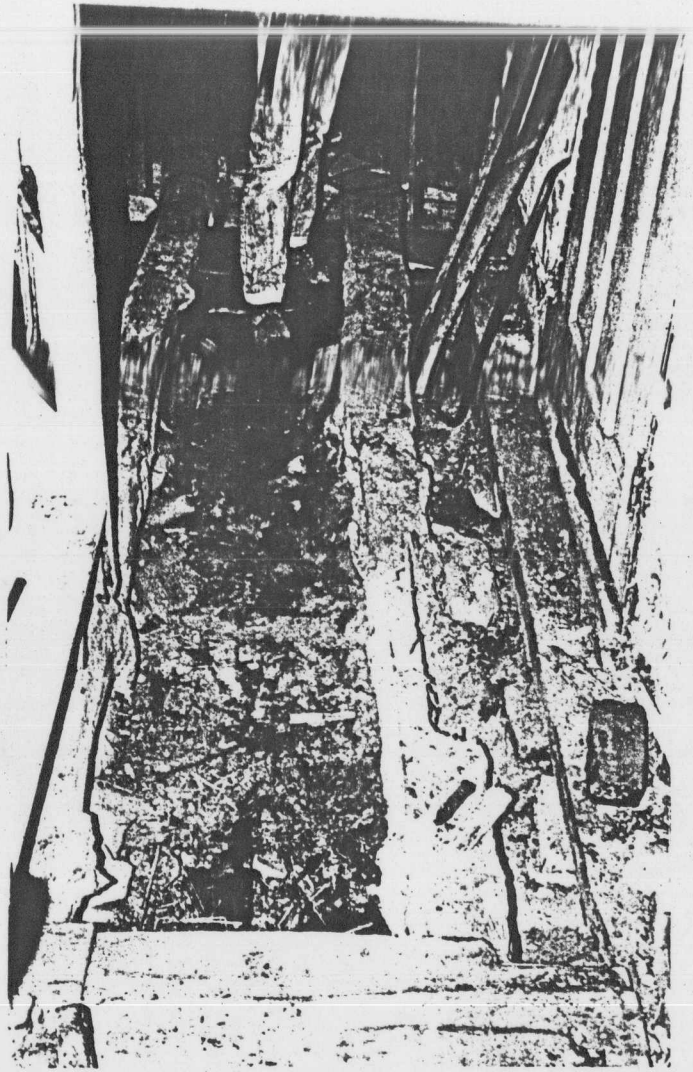
Southeast corner of the Cpt. Wm. Smith House showing deteriorated condition of foundation sills.

NPS Photo By: Michael Fortin, June 1983

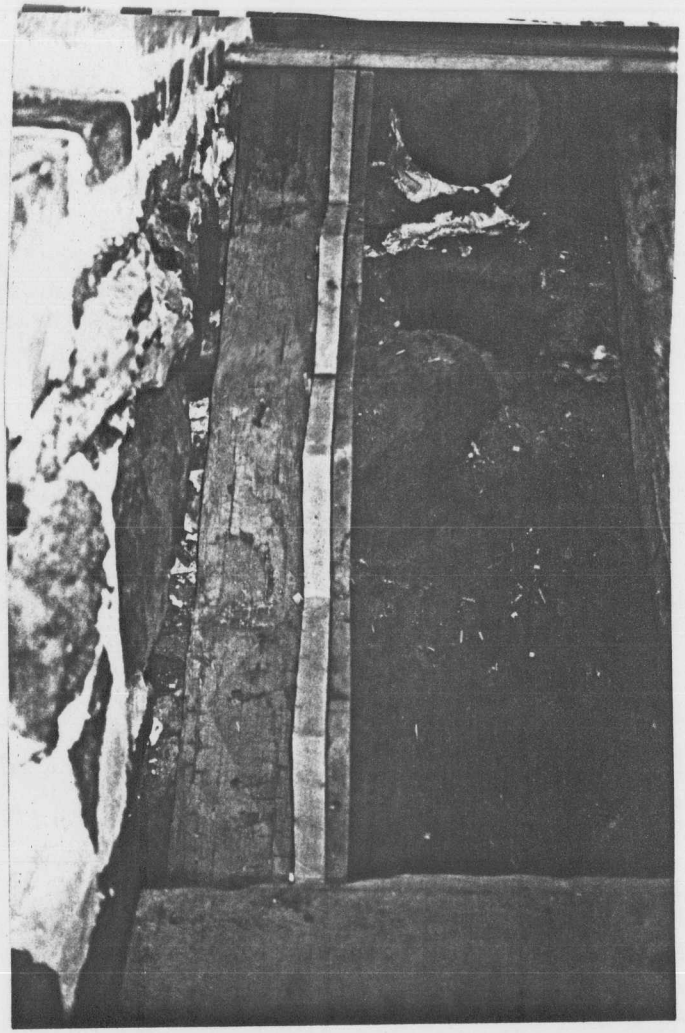


Southwest corner of the Cpt. Wm. Smith House showing deteriorated condition of foundation sills. Notice end of the log joist (West Parlor) supporting the sill.

NPS Photo By: Michael Fortin, May 1983

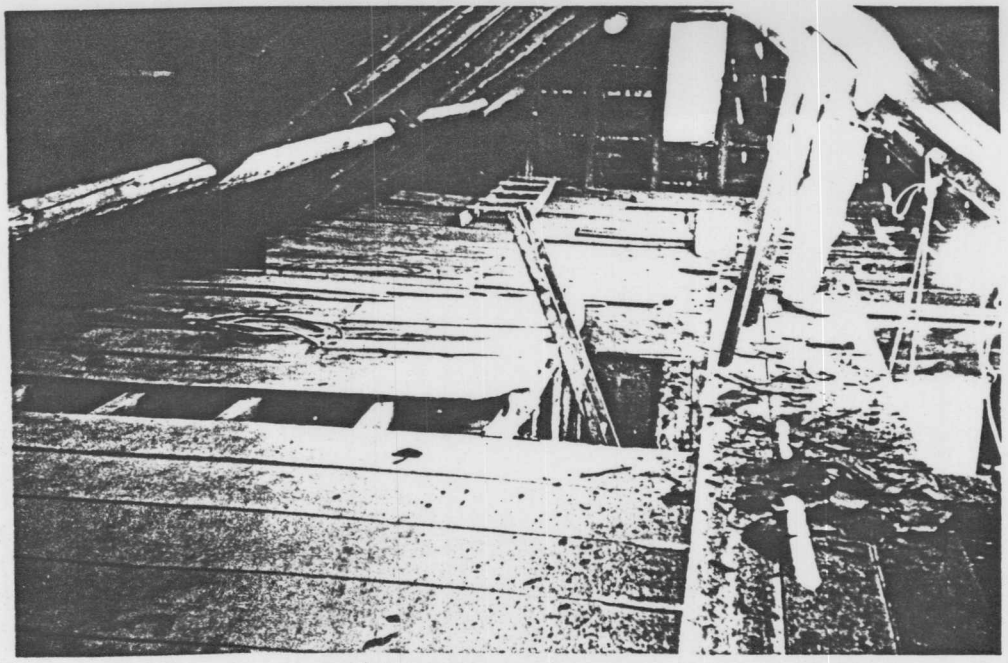


Log floor joists found in hallway, first floor of Cpt. Wm. Smith House appear to be original members, c. 1693.



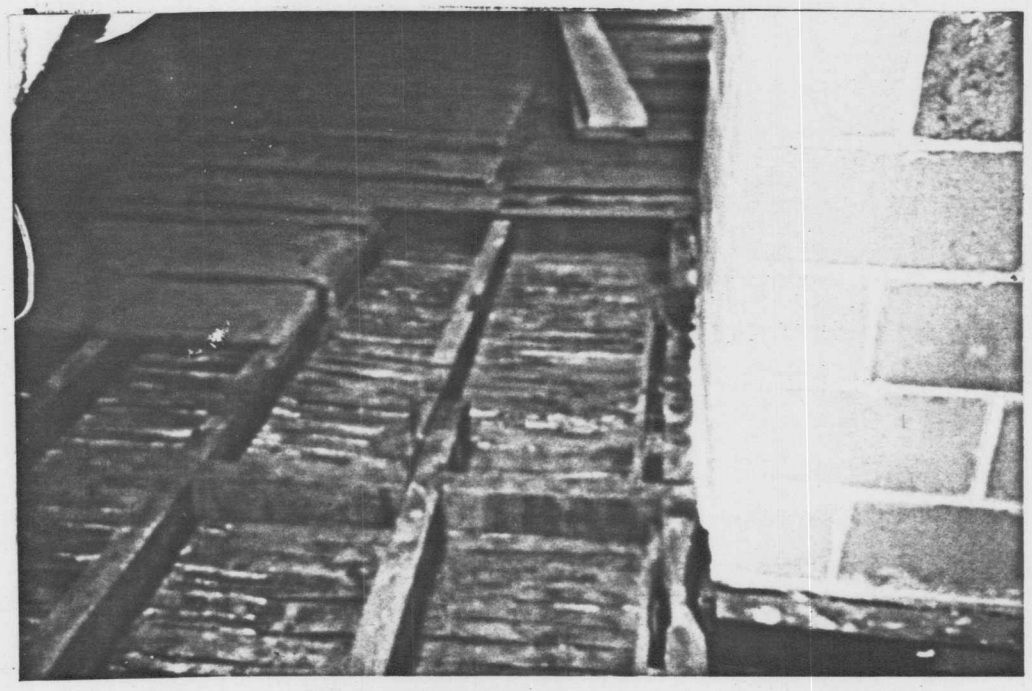
Remains of existing steps to cellar were saved and bonded to additional supports. Old stair members were made from salvaged pieces, source unknown.

NPS Photos By: Michael Fortin, 1983



View of attic in Cpt. Wm. Smith House.

NPS Photos by: Michael Fortin, 1984

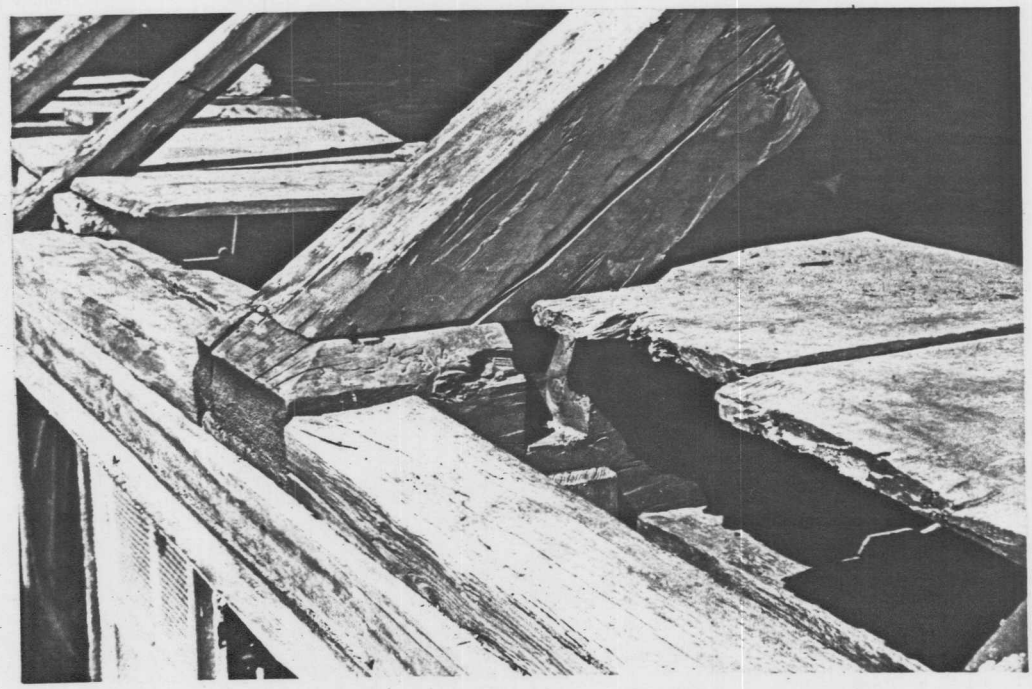


Framed opening left under attic floor was once used for the stairway from the second floor to the attic. Stairway was removed around 1750.

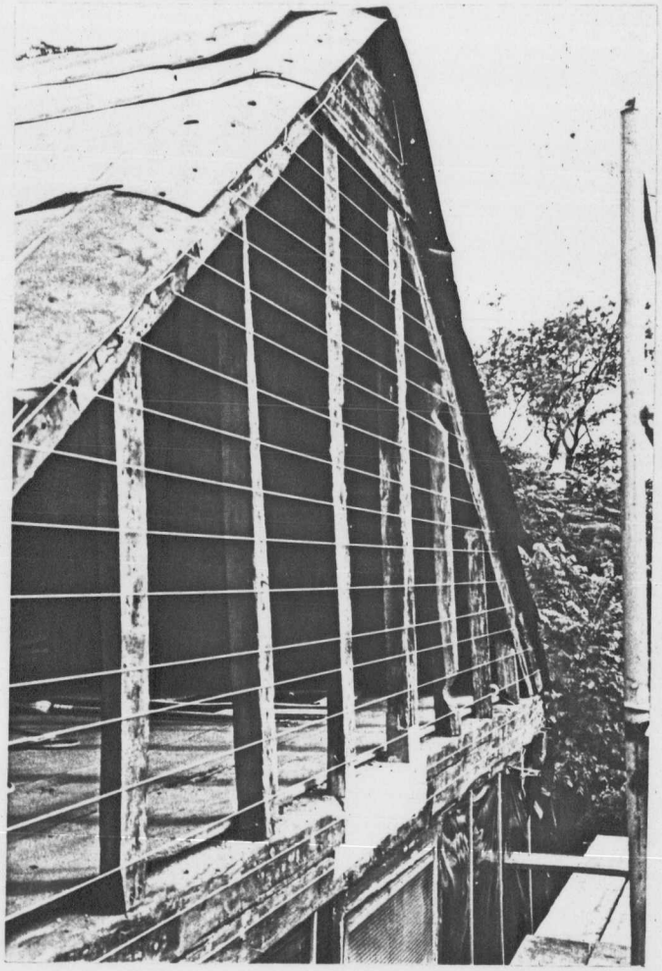


View of roof boards on Cpt. Wm. Smith House. Most of the boards date from the original construction of the house.

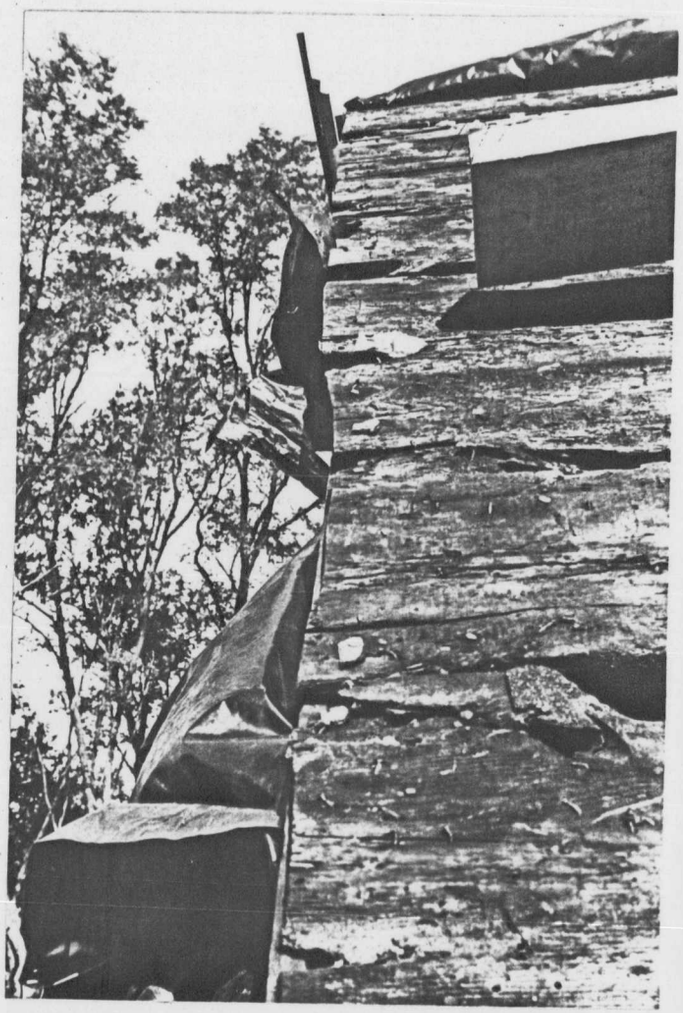
NPS Photos By: Michael Fortin, August 1983



A close-up view showing the principal rafters framed into girts and summers and the oak purlin plate that supports the common rafters.

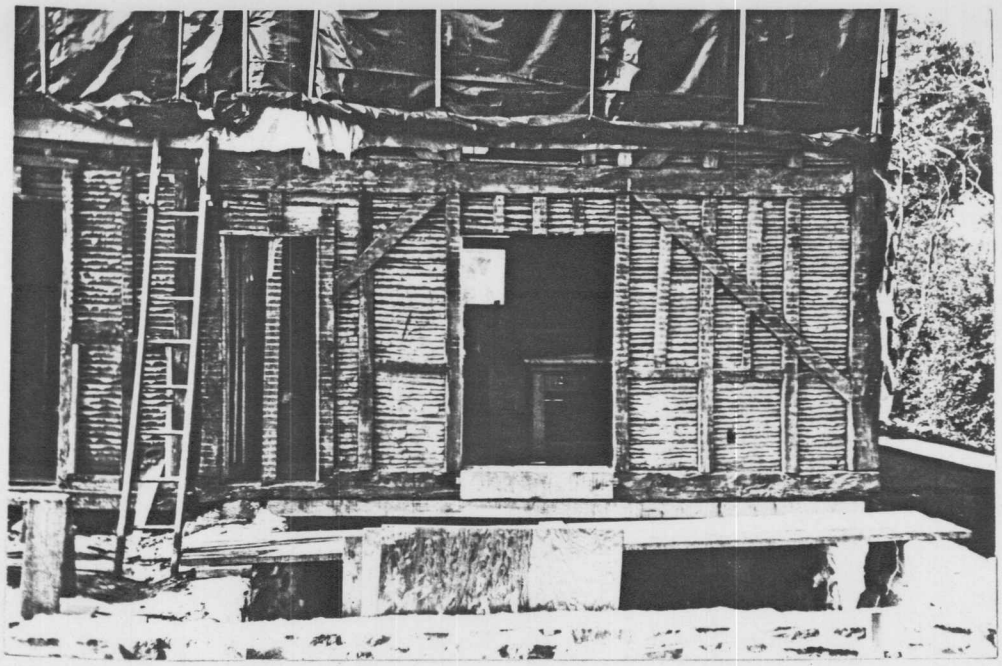


East gable end of Cpt. Wm. Smith House showing location of clapboards dating between c. 1750 and 1828.



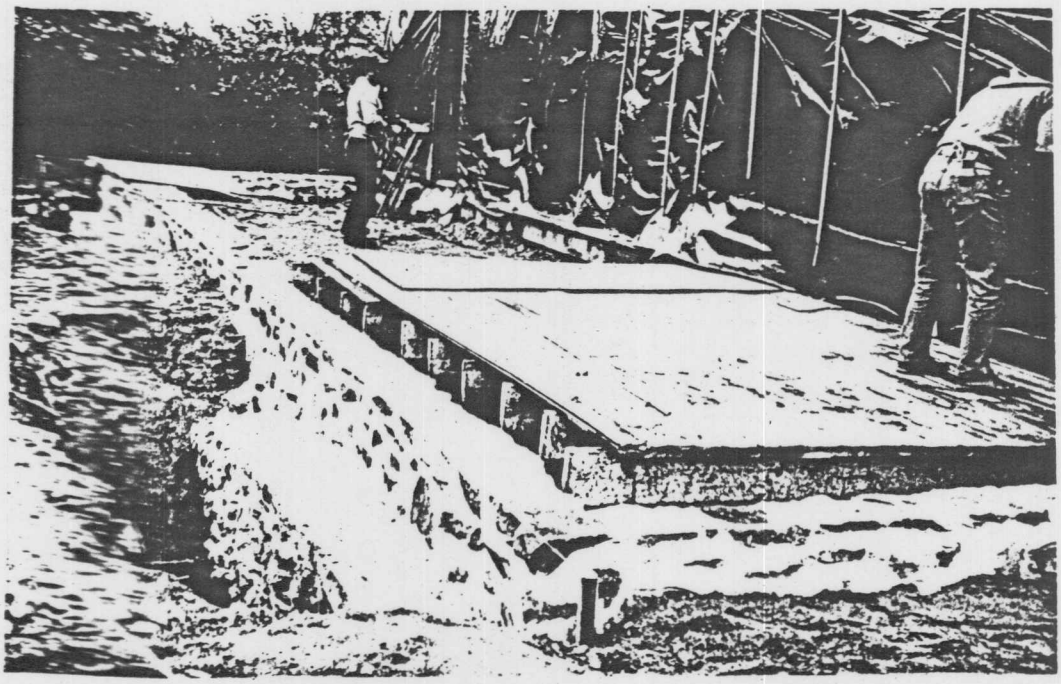
Irregular sawn roof boards at gable ends of Cpt. Wm. Smith House indicate that in its original condition there was a broad overhang which was reduced in size during the c. 1750 remodeling work.

NPS Photos By: Michael Fortin, 1983

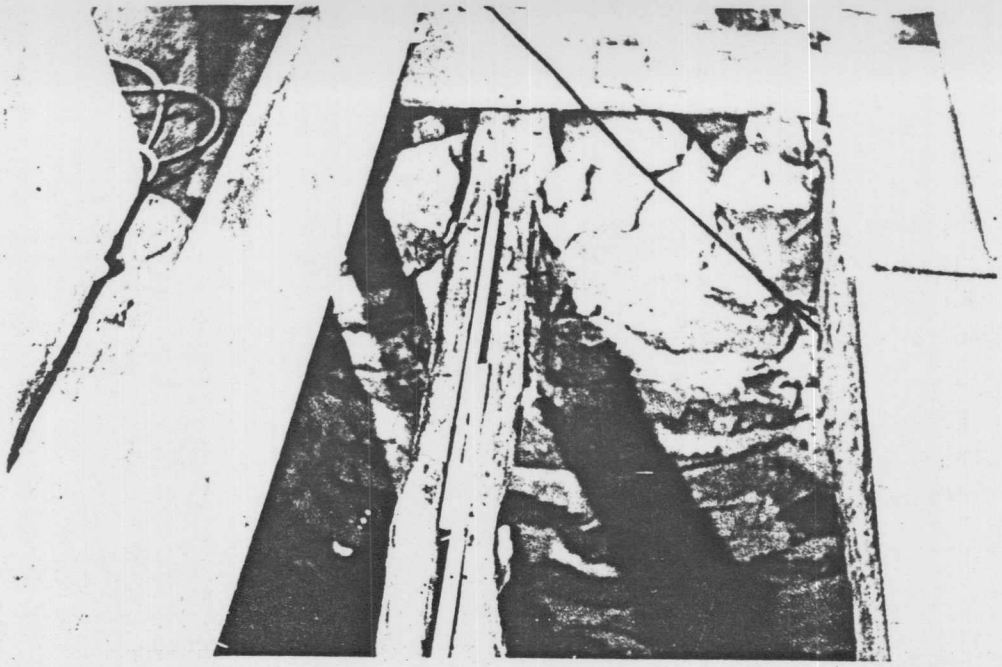


North wall of the Cpt. Wm. Smith House showing progress of restoration work.

NPS Photos By: Michael Fortin, May-June 1983

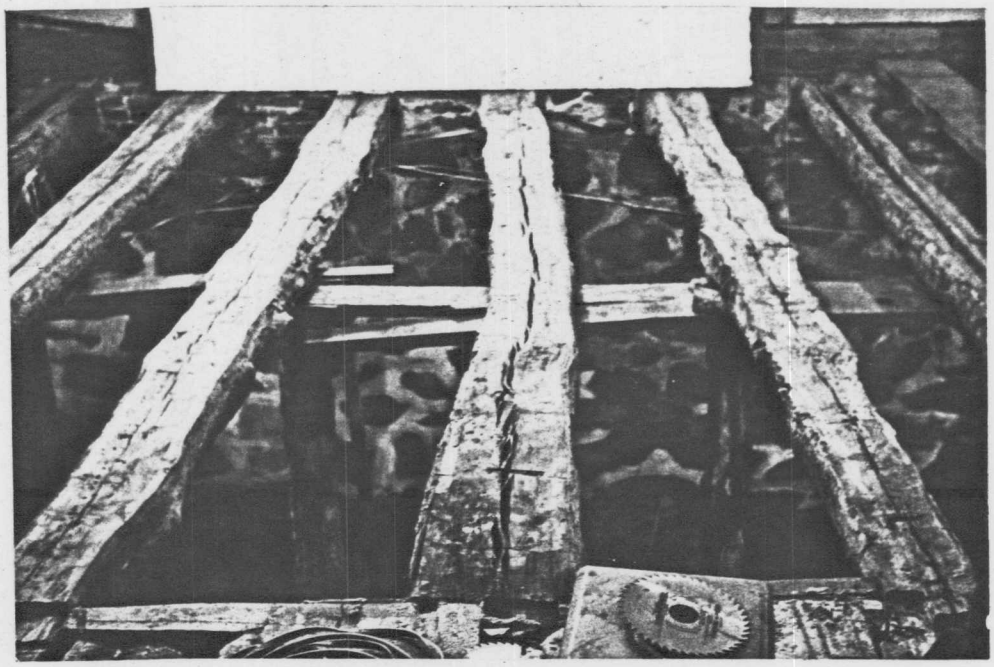


The north wall of the cellar under the lean-to addition was held in place while a back-up wall was built behind it as reinforcement.

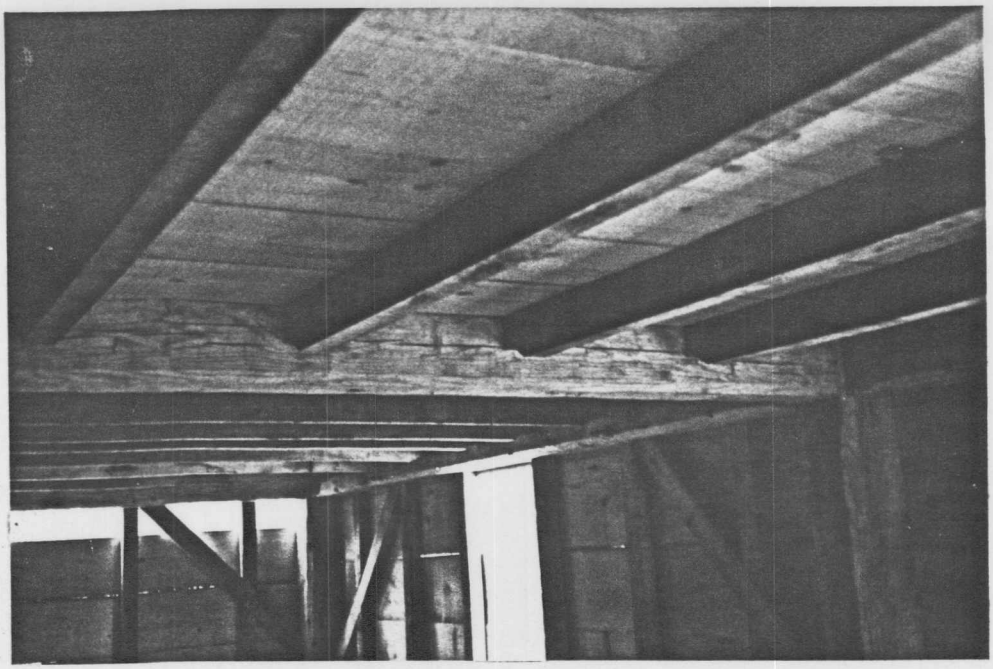


The original floor joists in the West Parlor were reinforced with fiberglass rods and epoxy grout.

NPS Photos By: Michael Fortin, October 1983

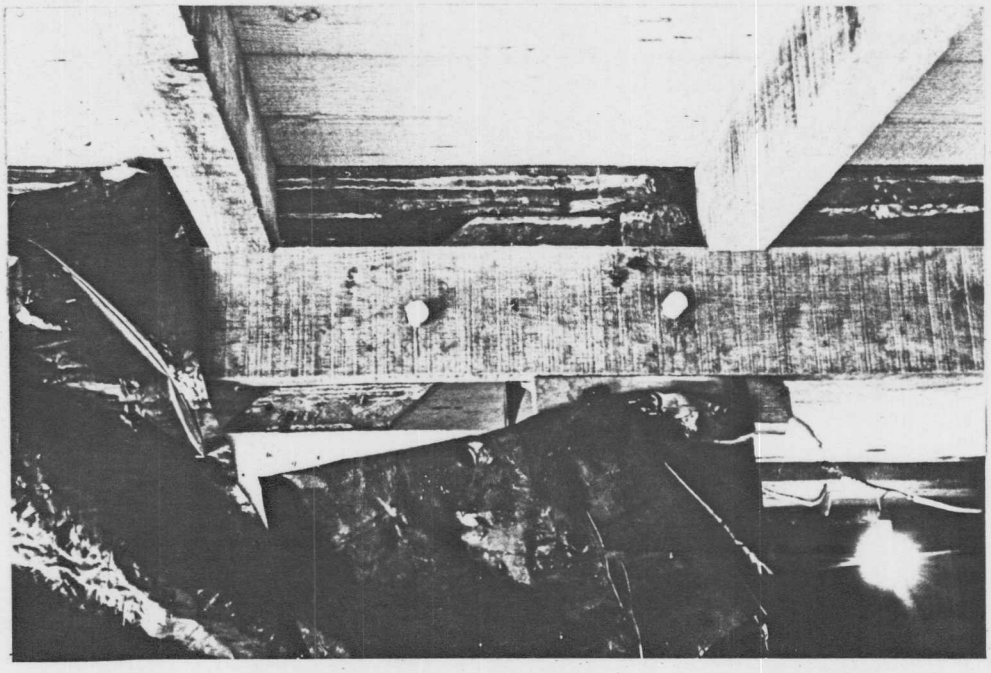


Floor joists before routing channel for fiberglass rods.

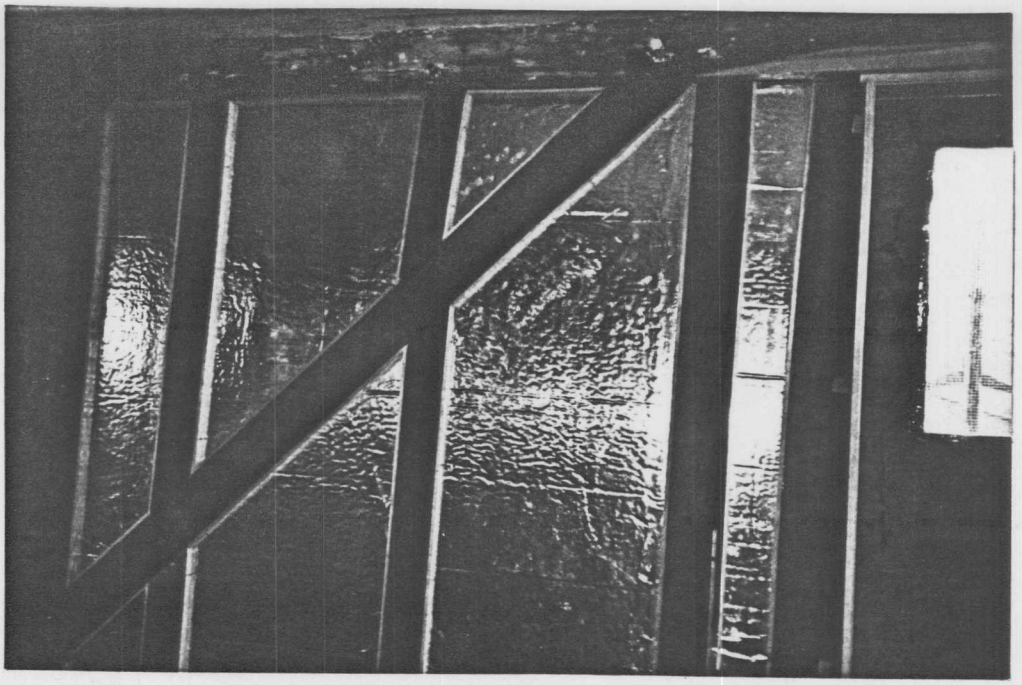


Eighteenth century framing methods were used in constructing the lean-to addition.

NPS Photos By: Michael Fortin, August 1983



Detail of framing members used in the reconstruction of the lean-to.

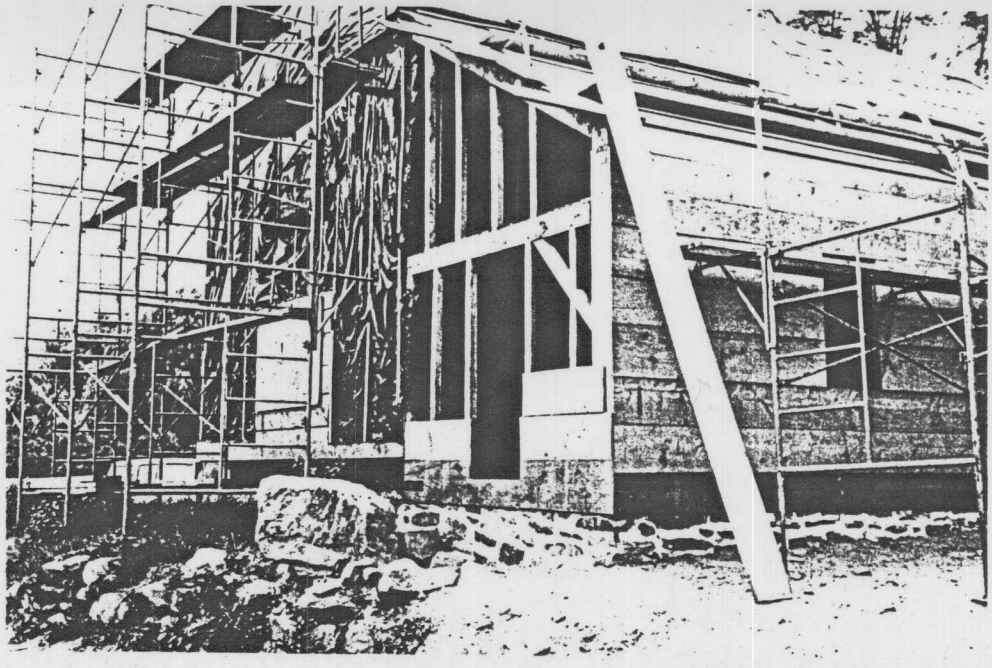


Rigid insulation with foil backing was placed between the framing members of the exterior walls of the East Parlor. Interior wall was later sheathed with horizontal boards.

NPS Photos By: Michael Fortin, 1984

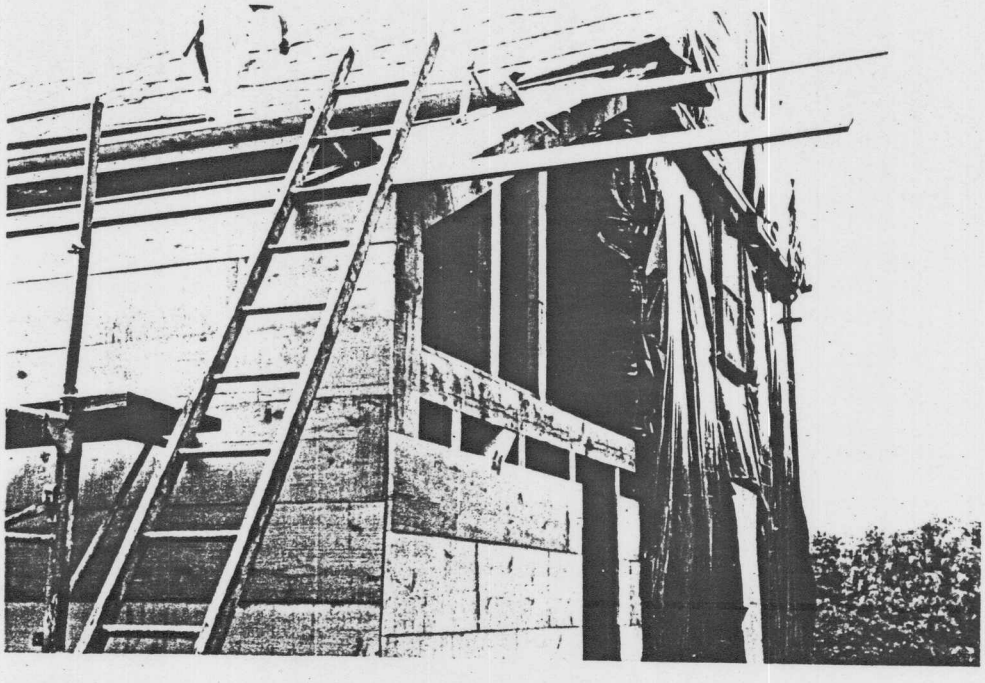


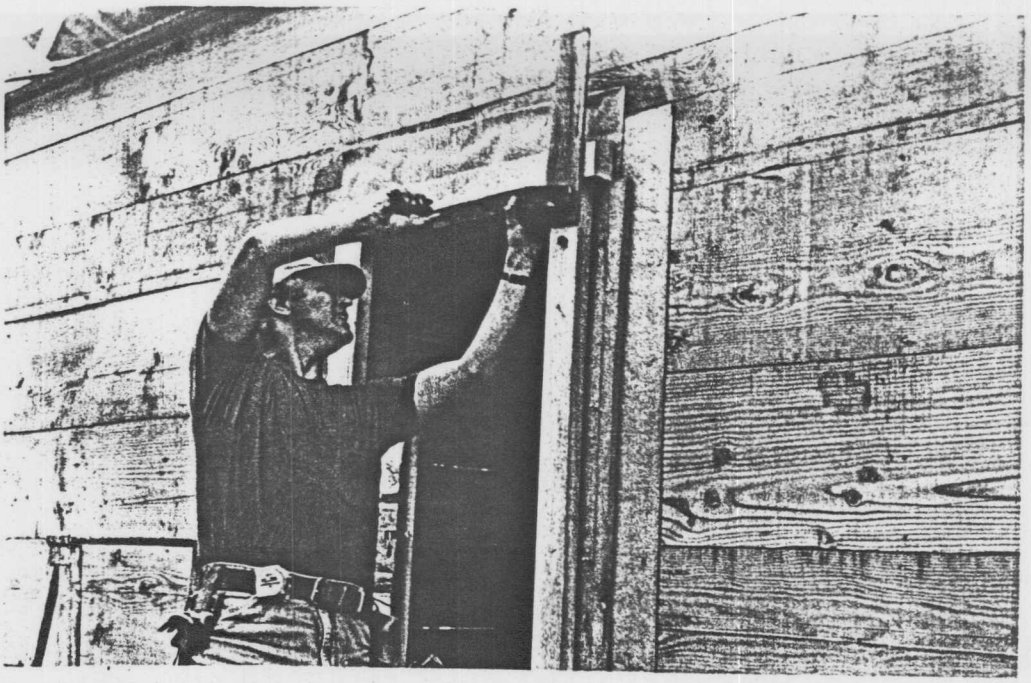
Rigid insulation with foil backing was placed between the framing members of the exterior walls of the lean-to. Polyethylene sheeting, wire lath and plaster and wainscoting completed the wall finish.



East and west (below) ends of the reconstructed lean-to, Cpt. Wm. Smith House.

NPS Photos By: Michael Fortin, August 1983



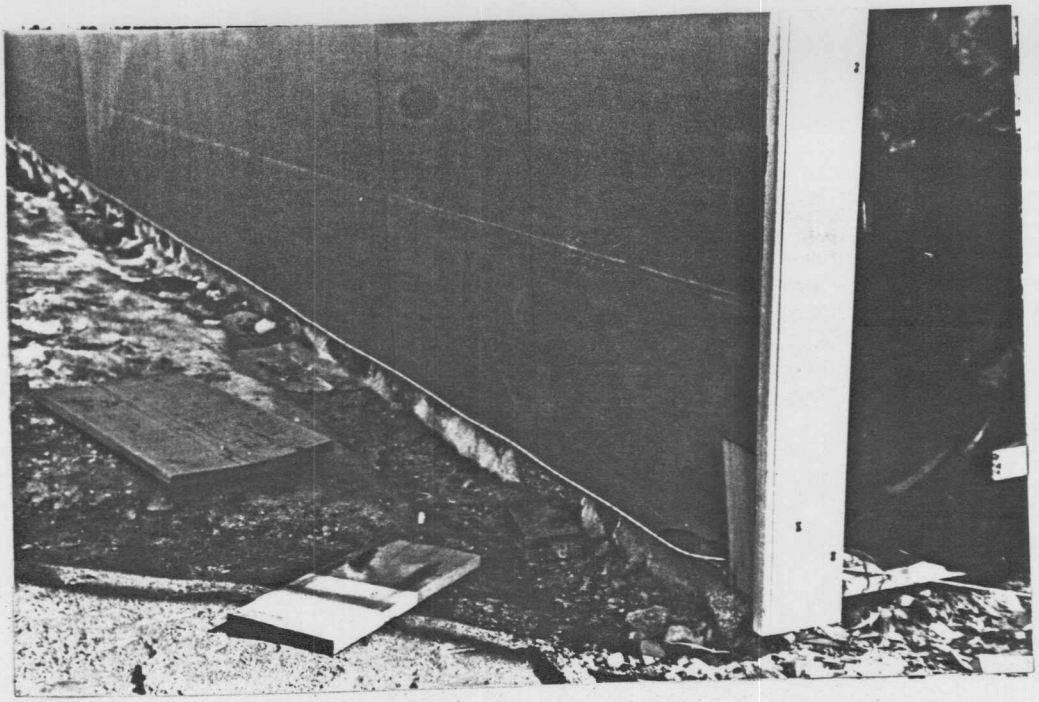


Robert Fox installing window frames in north wall of the reconstructed lean-to; Cpt. Wm. Smith House.

NPS Photos By: Michael Fortin, 1983

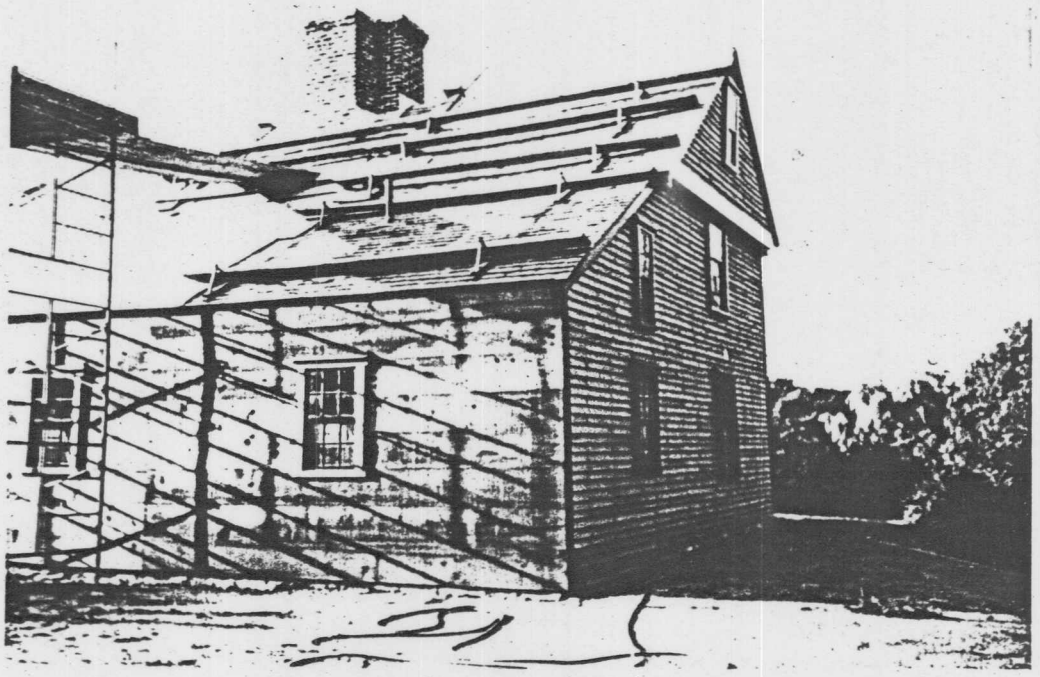


Installation of window frames completed.



View showing the location of "Protectowire", fire alarm wire installed under the clapboards and rear wallboards of the Cpt. Wm. Smith House.

NPS Photo By: Michael Fortin, 1984



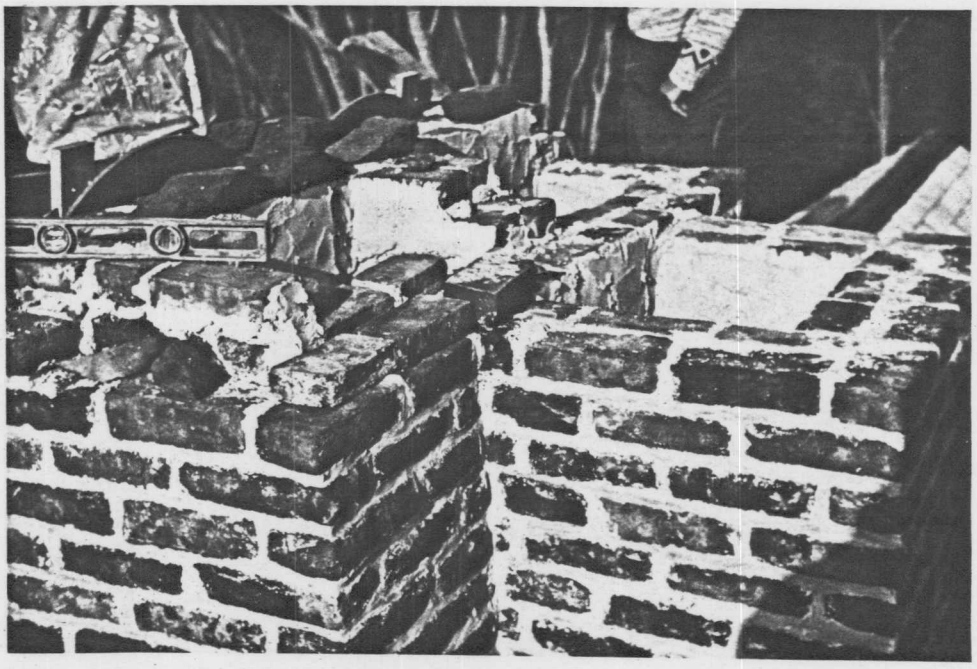
The "Protectowire" fire alarm wiring has been covered over with an outer layer of feather-edged boards on the north wall of the leanto.

NPS Photo By: Michael Fortin, 1984

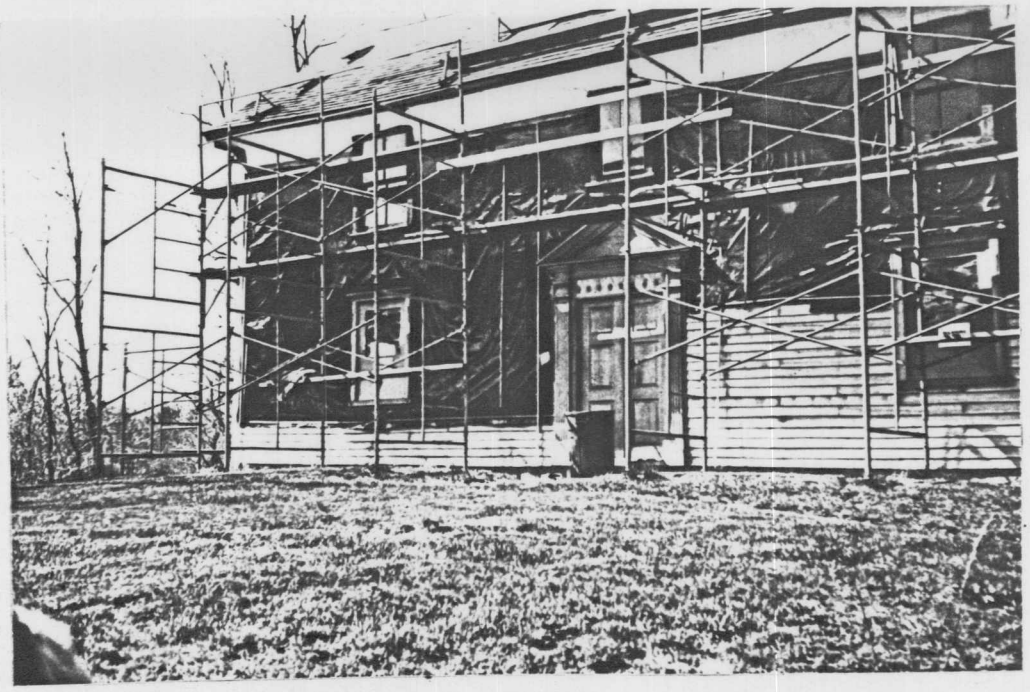


Nailing on cedar shingles to the roof of the Cpt. Wm. Smith House in September of 1983.

NPS Photos By: Michael Fortin



Topping out the reconstructed central chimney. Chimney was built with bricks salvaged from the original chimney in the Cpt. Wm. Smith House. (June 1984)

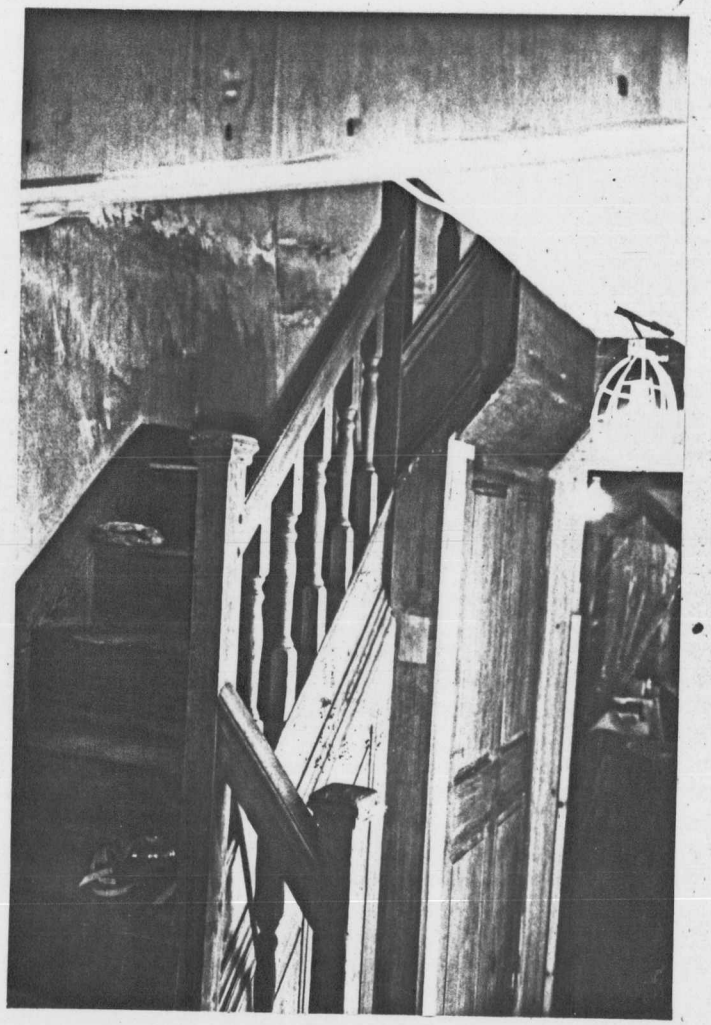


Fitting and nailing eastern white pine clapboards to the south wall of the Cpt. Wm. Smith House.

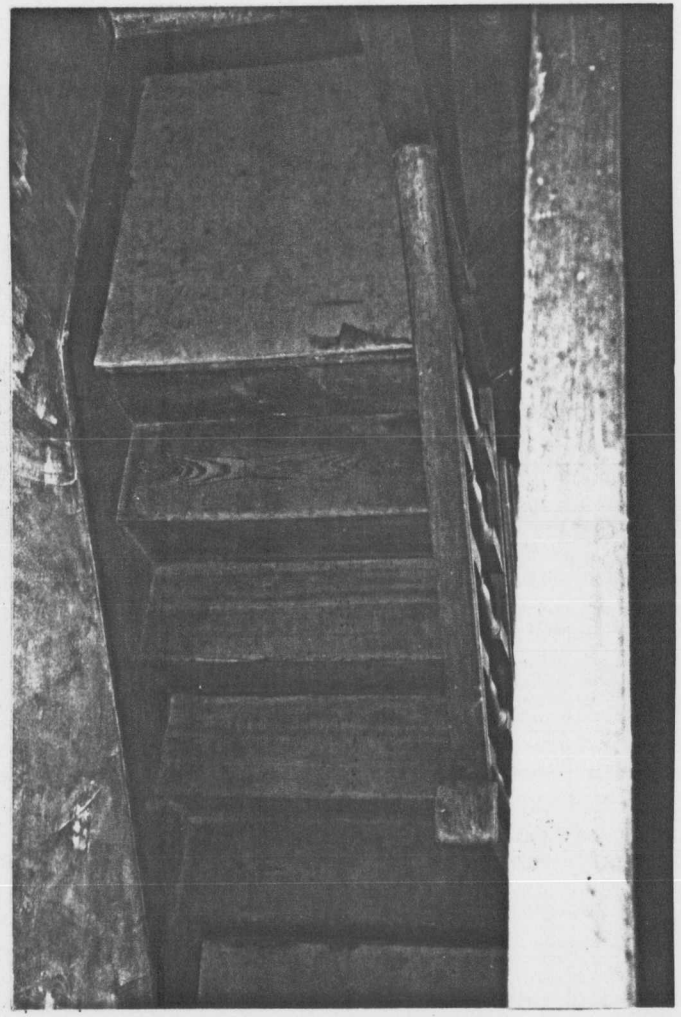
NPS Photos By: Michael Fortin, 1984



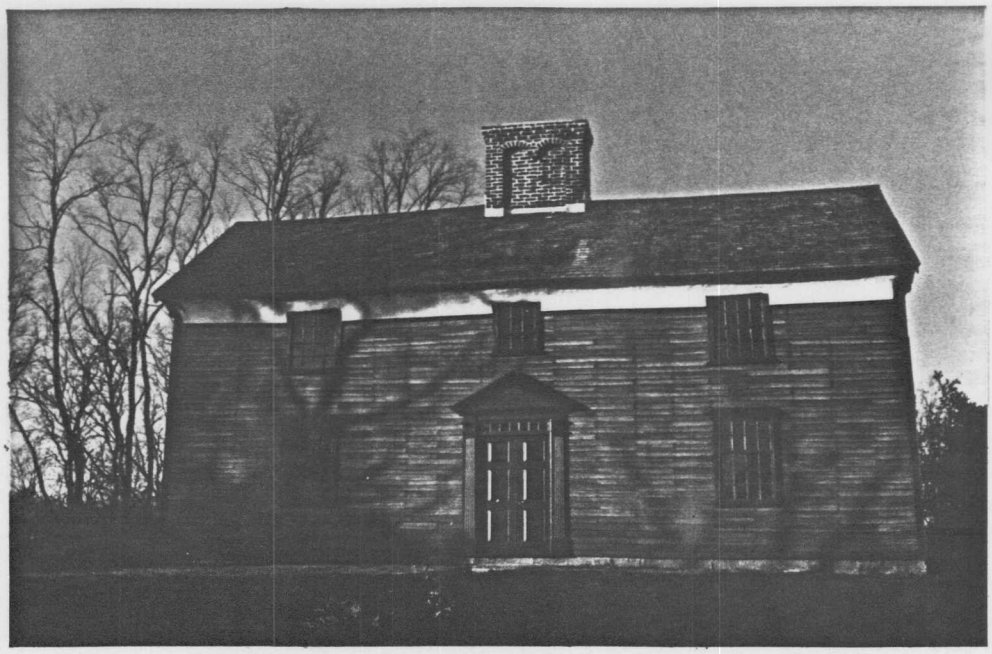
Finished exterior walls of the Cpt. Wm. Smith House.



Stairway of c. 1750, Cpt. Wm. Smith House, July 1984.

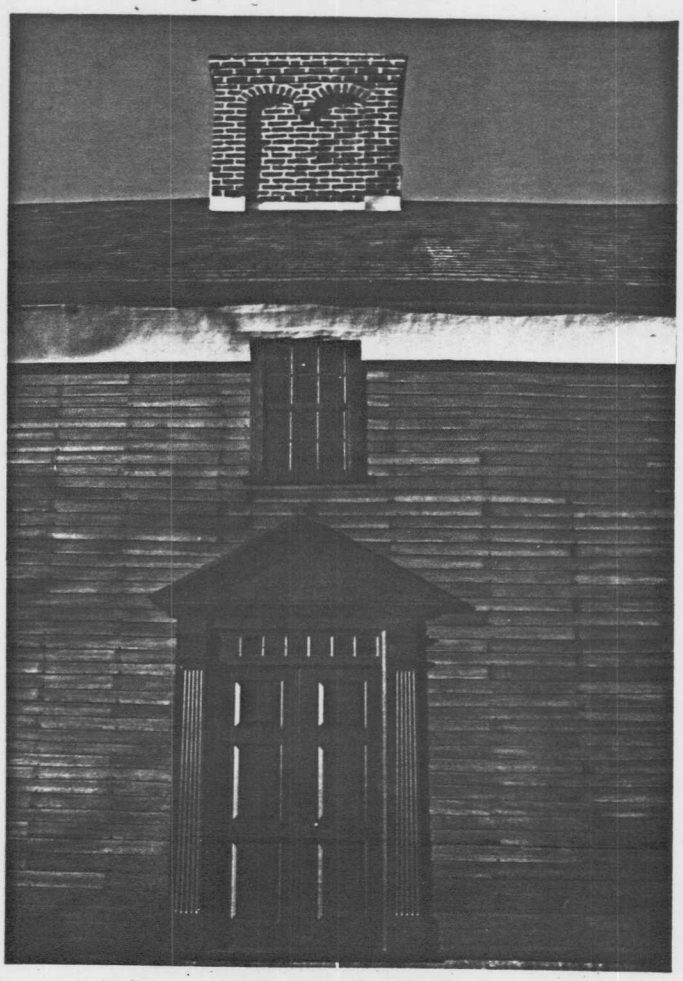


Stairway, July 1983

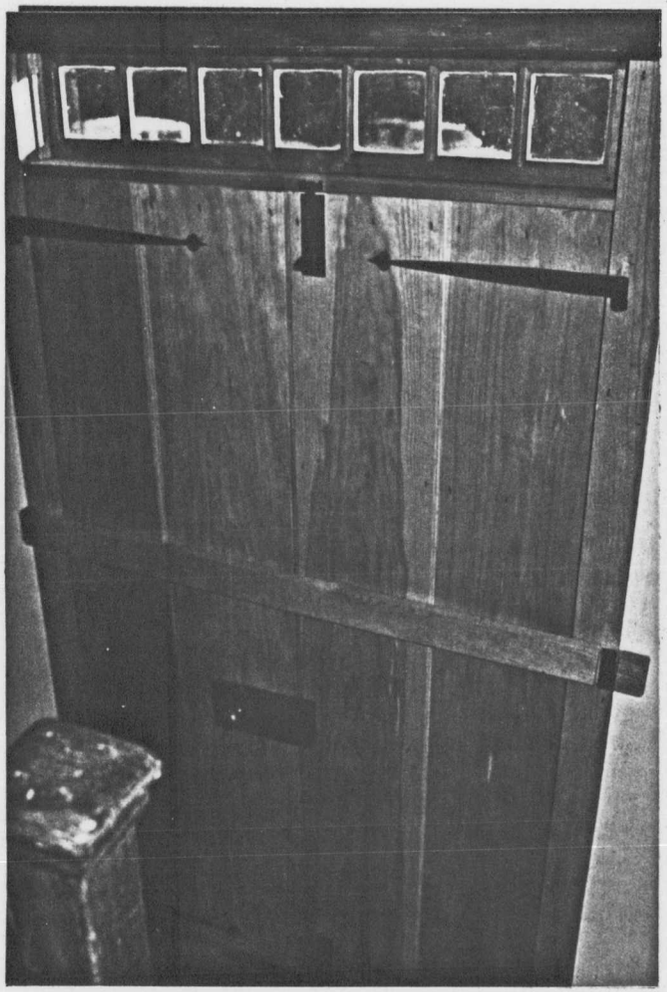


South facade of the Cpt. Wm. Smith House as restored to April 19th, 1775.

NPS Photos By: Fred Szarka



View of reconstructed chimney and



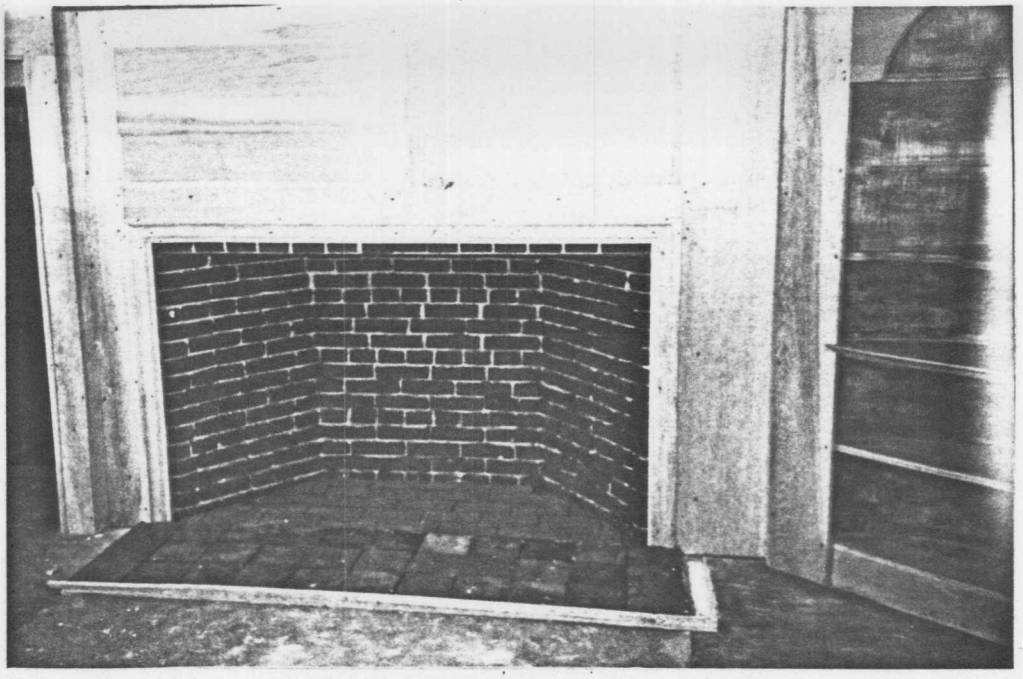
Double entry doors located in stair hall, first floor.

CPT. WM. SMITH HOUSE



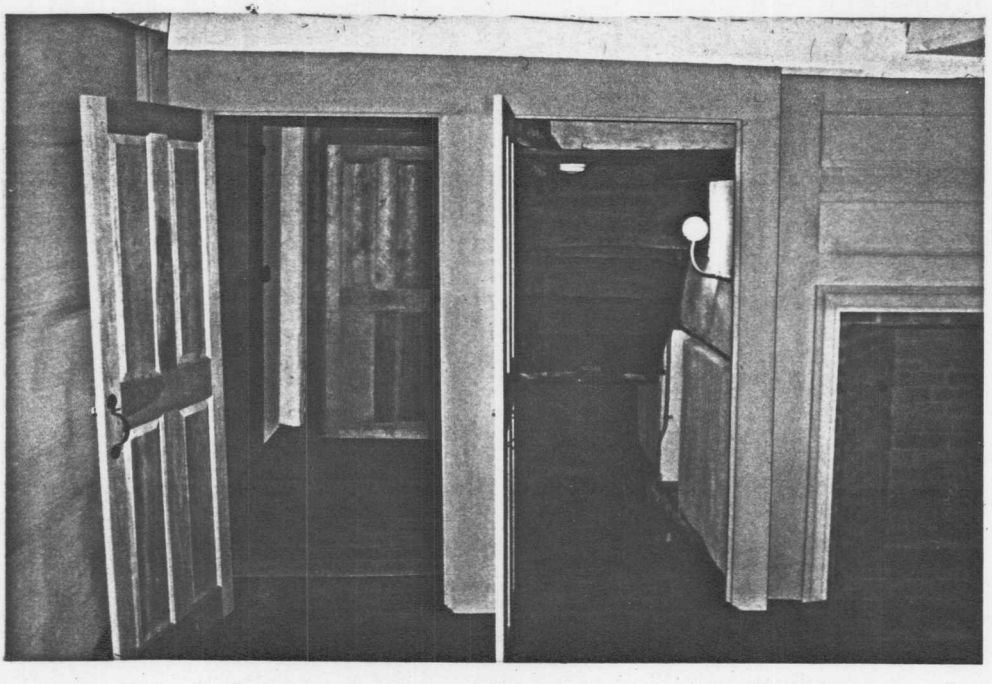
Entry hall, first floor; view showing new paneled door to West Parlor. Stairway is thought to date from c. 1750.

NPS Photos By: Fred Szarka, Nov. 20, 1984



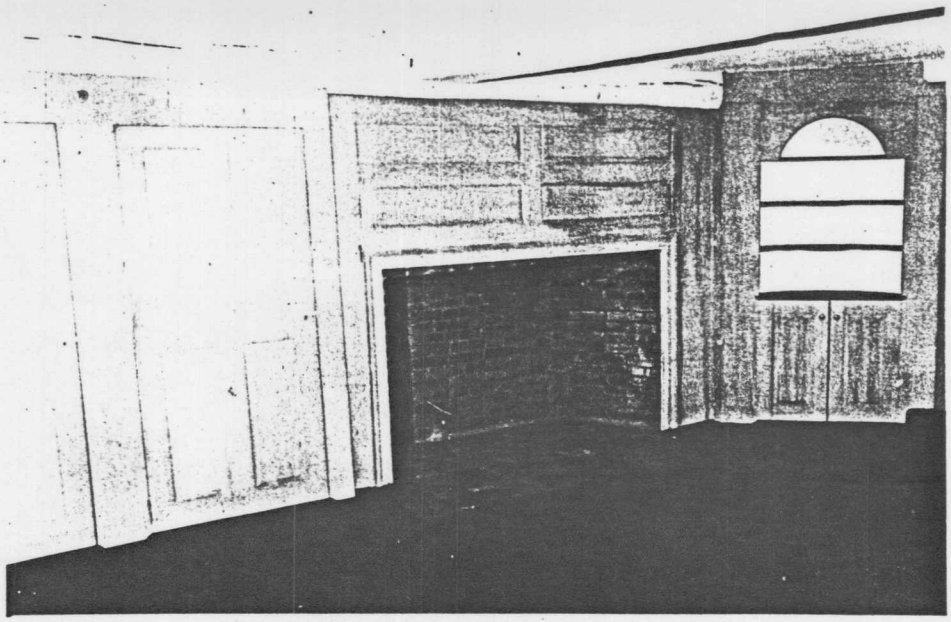
East Parlor, first floor of Cpt. Wm. Smith House during reconstruction of the west wall: new fireplace and tiled hearth; new chimney breast and corner cupboard.

NPS Photo By: Michael Fortin, August 1984



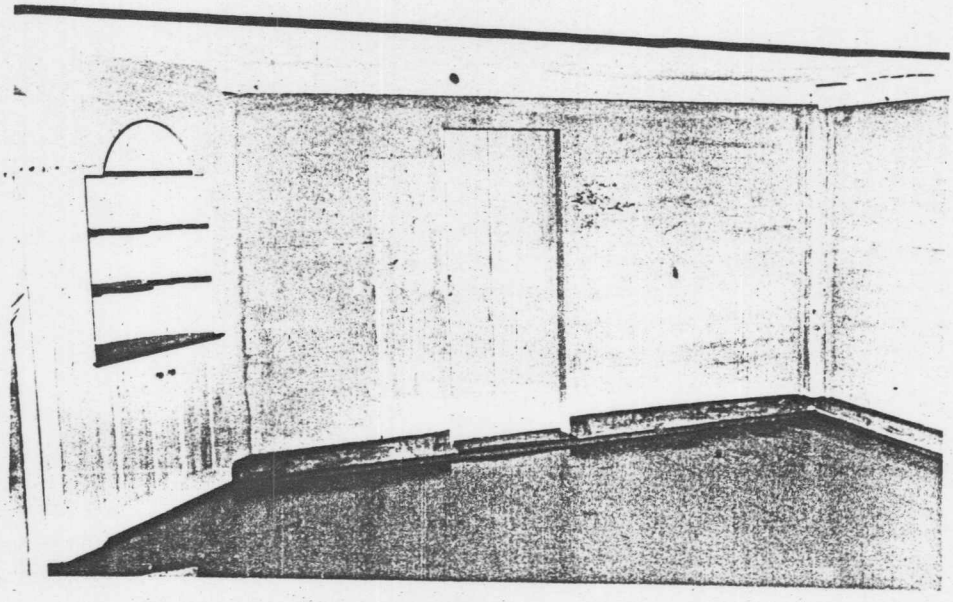
West wall of the East Parlor after restoration work was completed. View looking into entry hall, left, and into cellar stairway. Dark colored floorboards in entry hall are thought to date from c. 1750.

NPS Photo By: Fred Szarka, November 20, 1984

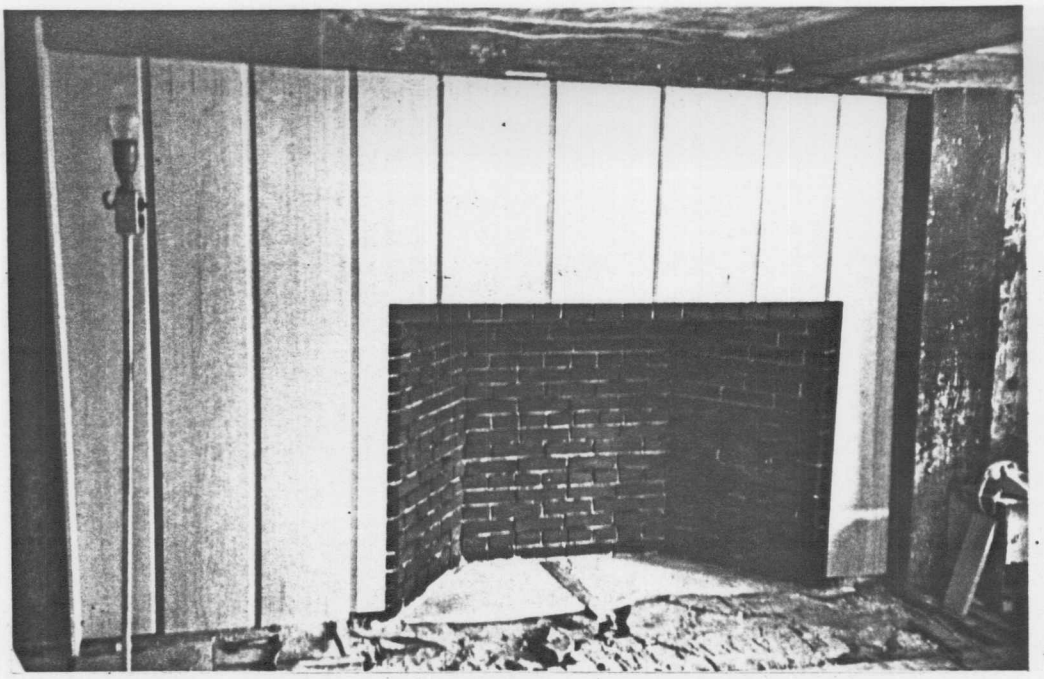


East Parlor, first floor, showing the west wall as it might have looked on April 19, 1775. The design of the paneled doors and chimney breast, the appearance of the corner cupboard, the tiled hearth are conjectural parts of the reconstruction.

NPS Photos by: Fred Szarka, November 20, 1984

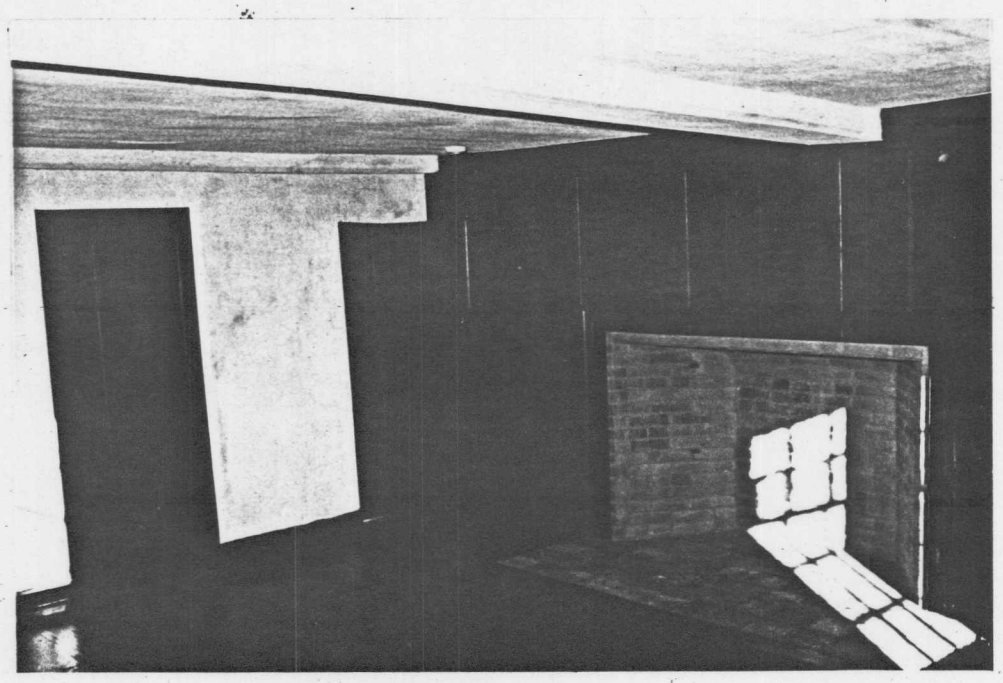


East Parlor of the Cpt. Wm. Smith House showing the north wall as it was restored to April 19th, 1775. The doorway represents the second opening that existed between c. 1750 and c. 1800. All wainscoting to the right of the doorway is new, as well as the vertical board on the left side.



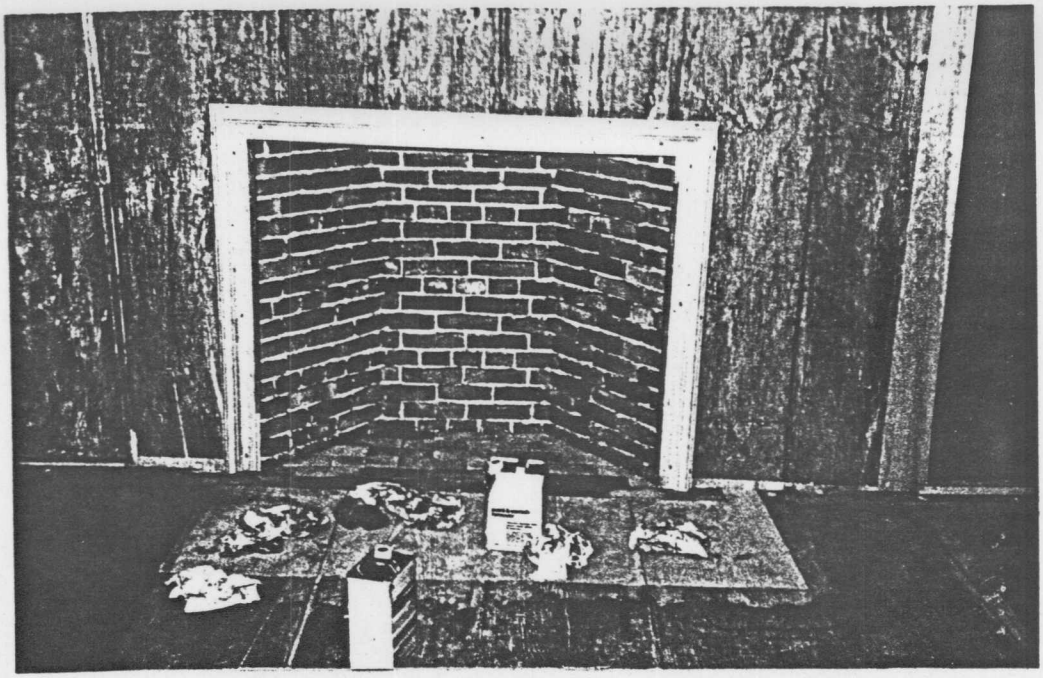
West Parlor, first floor of Cpt. Wm. Smith House showing restoration work on east wall. The wall paneling surrounding the newly constructed fireplace is a copy of the existing paneling on this wall.

NPS Photo By: Michael Fortin, August 1984



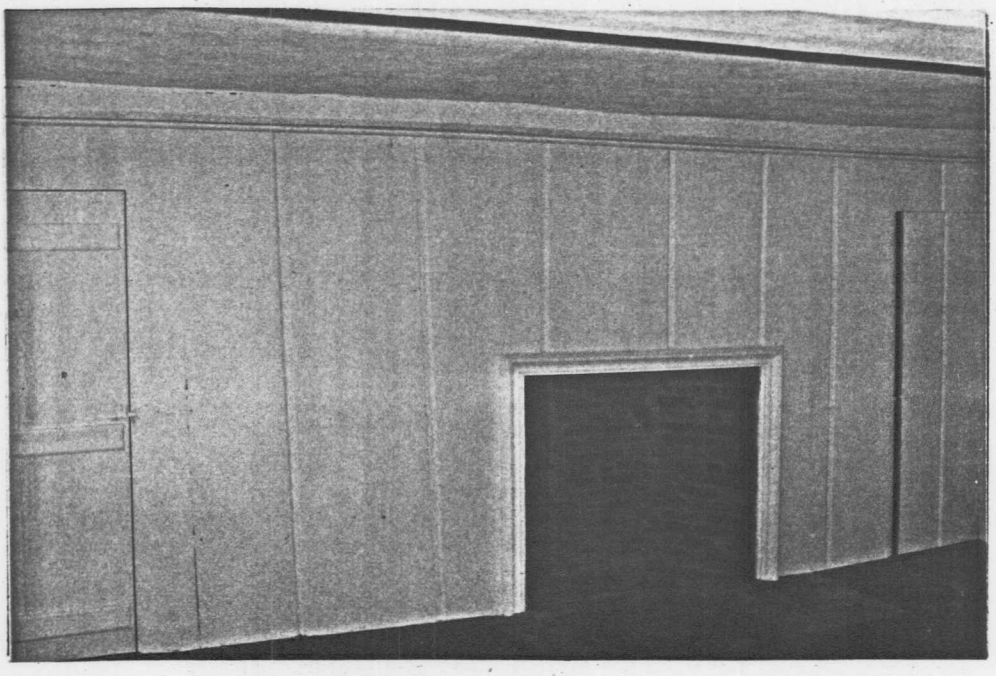
View of West Parlor looking northeast after restoration work was completed. Black was the first layer of paint found on the woodwork in this room. The red paint for the floor boards is conjectural but based on old floorboards salvaged from the c. 1900 additions.

NPS Photo By: Fred Szarka, November 20, 1984



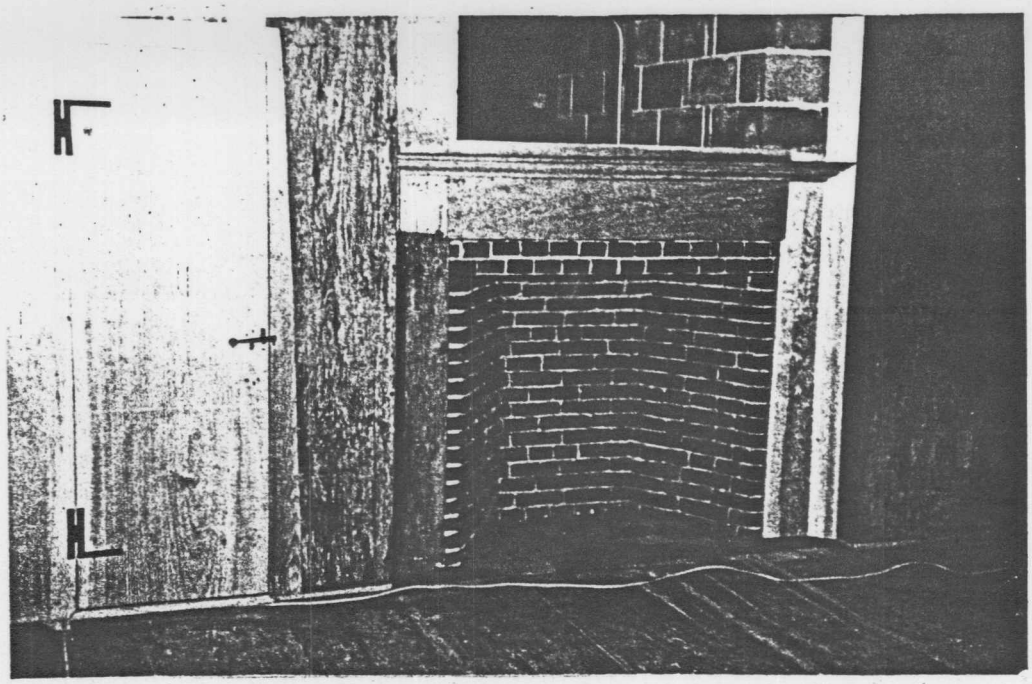
East Chamber, second floor, showing restoration work. Completed on west wall and floor: repairs to closet doorway; repairs to lower edge of wall paneling; new bolection molding and repaired floorboards.

NPS Photo By: Michael Fortin, 1984



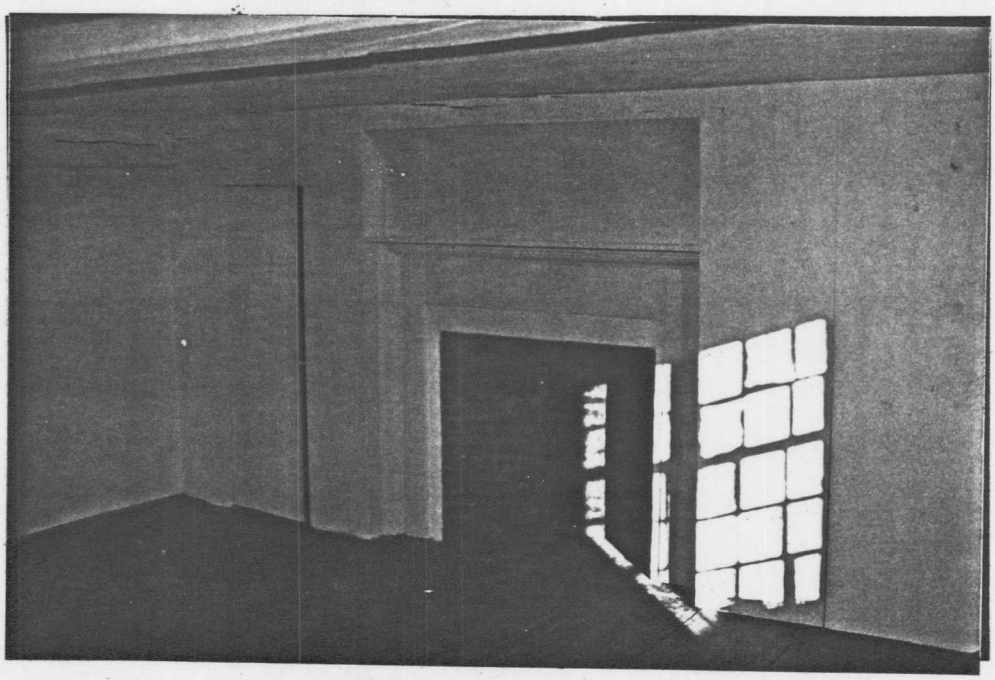
West wall of East Chamber after restoration work was completed on Cpt. Wm. Smith House.

NPS Photo By: Fred Szarka, November 20, 1984



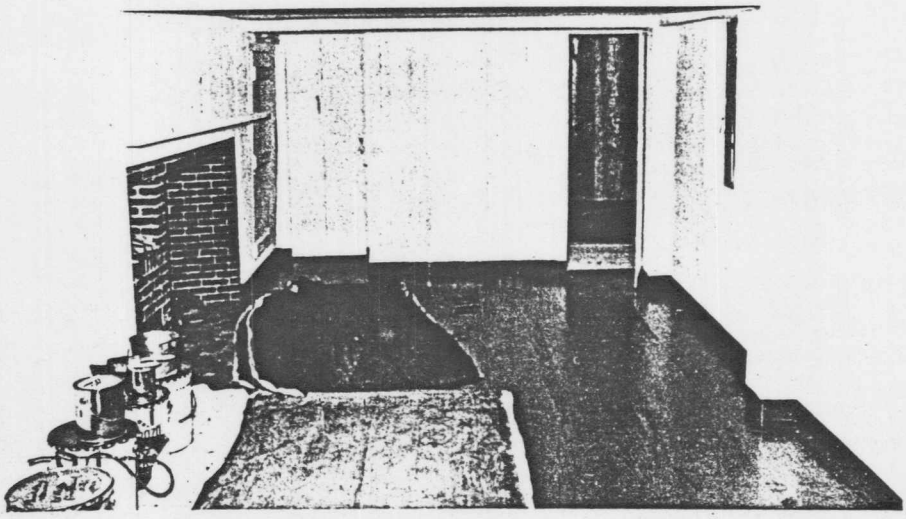
West Chamber, second floor of Cpt. Wm. Smith House showing remains of stile from c. 1750 chimney breast, left, with new wood added to complete fireplace surround.

NPS Photo By: Michael Fortin, July 1984



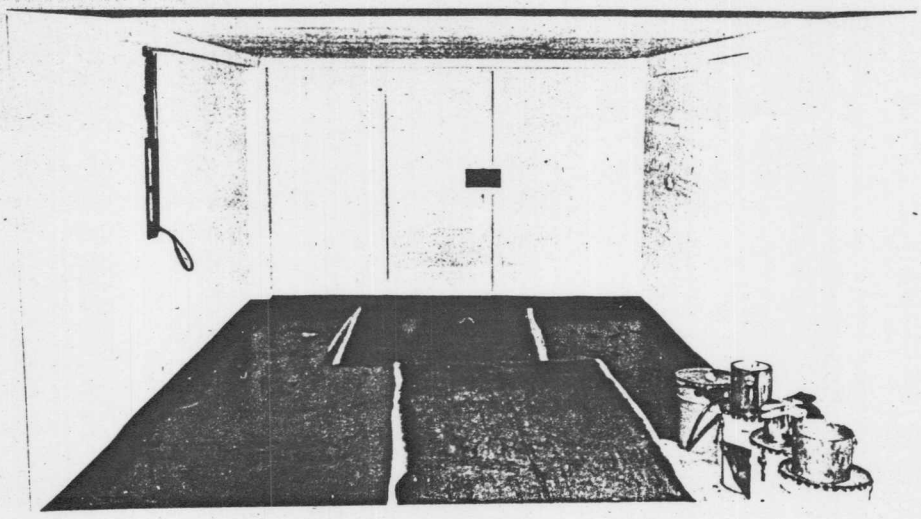
East wall of West Chamber showing newly built brick fireplace and hearth; fireplace surround and mantel shelf; plaster cove above mantel shelf and new door to closet. Repairs were also made to the stile pieces of the doorway.

NPS Photo By: Fred Szarka, November 20, 1984

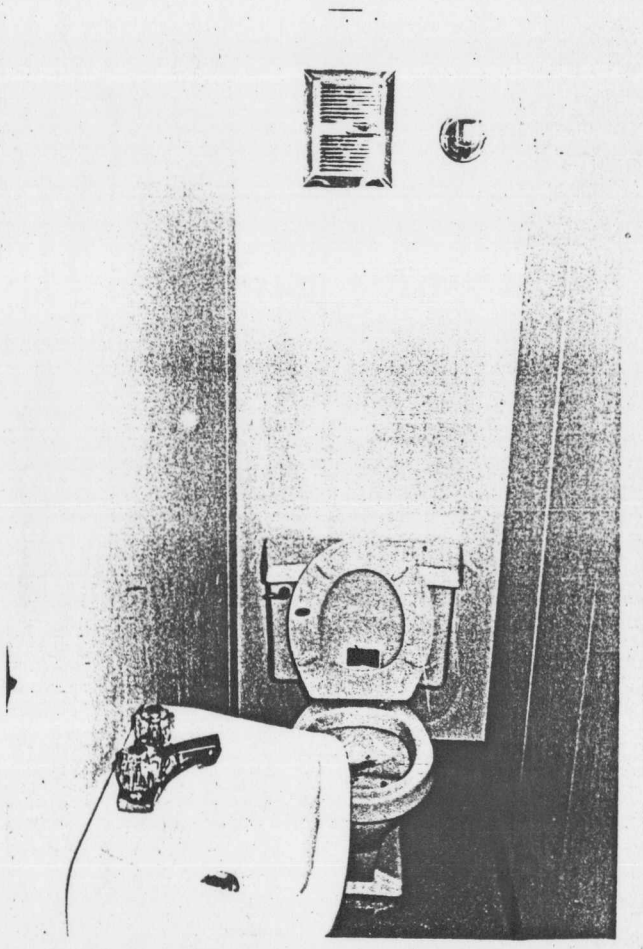


First floor of the kitchen lean-to, view looking west.

NPS Photos By: Fred Szarka, November 20,1984

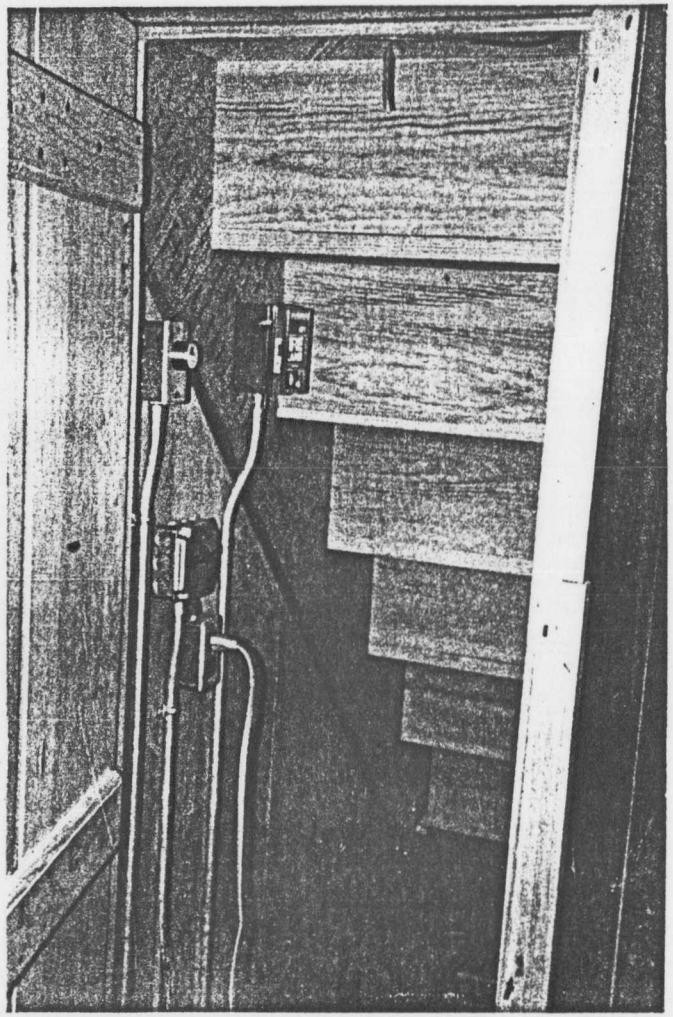


The kitchen lean-to as completed in the Cpt. Wm. Smith House, view looking east.



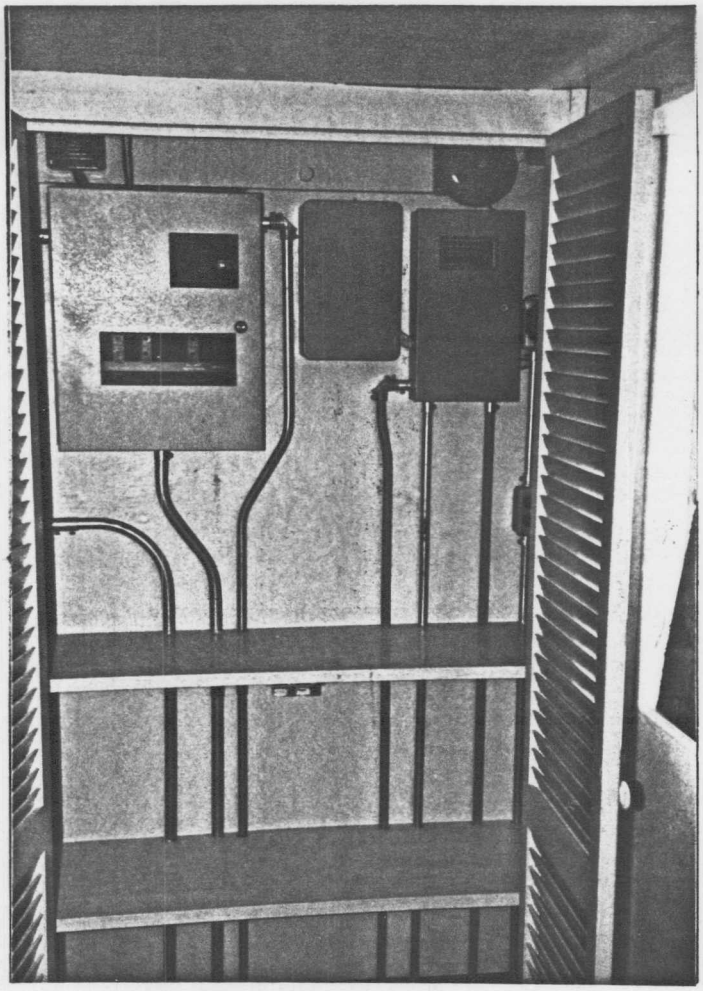
Toilet facilities installed for staff use located in west end of lean-to of Cpt. Wm. Smith House.

NPS Photo By: Fred Szarka, Nov. 20, 1984

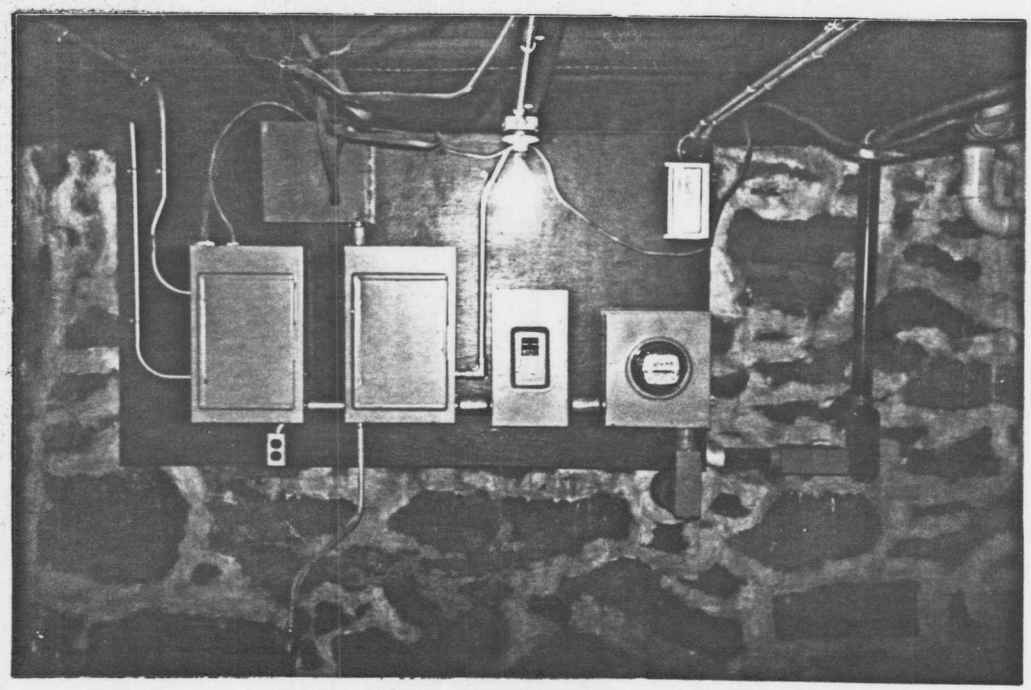


Controls located at head of cellar stairs:
1. Intrusion alarm switch.
2. Control switch for lighting circuit.
3. Manual pull station for fire alarm.
4. 110V convenience outlet.

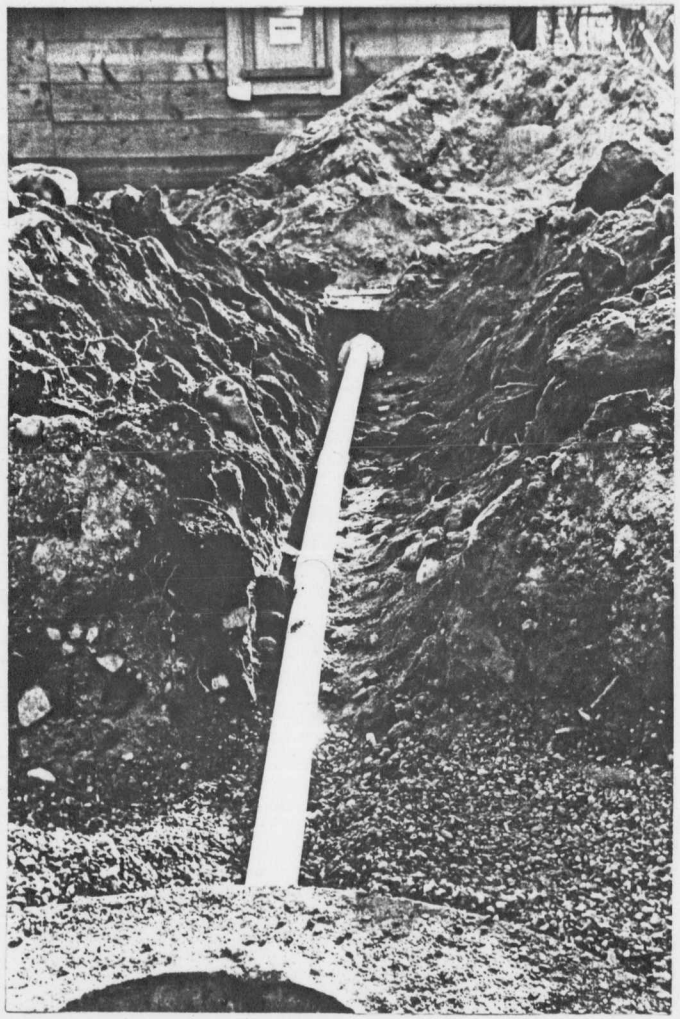
NPS Photo By: Michael Fortin, July 1984

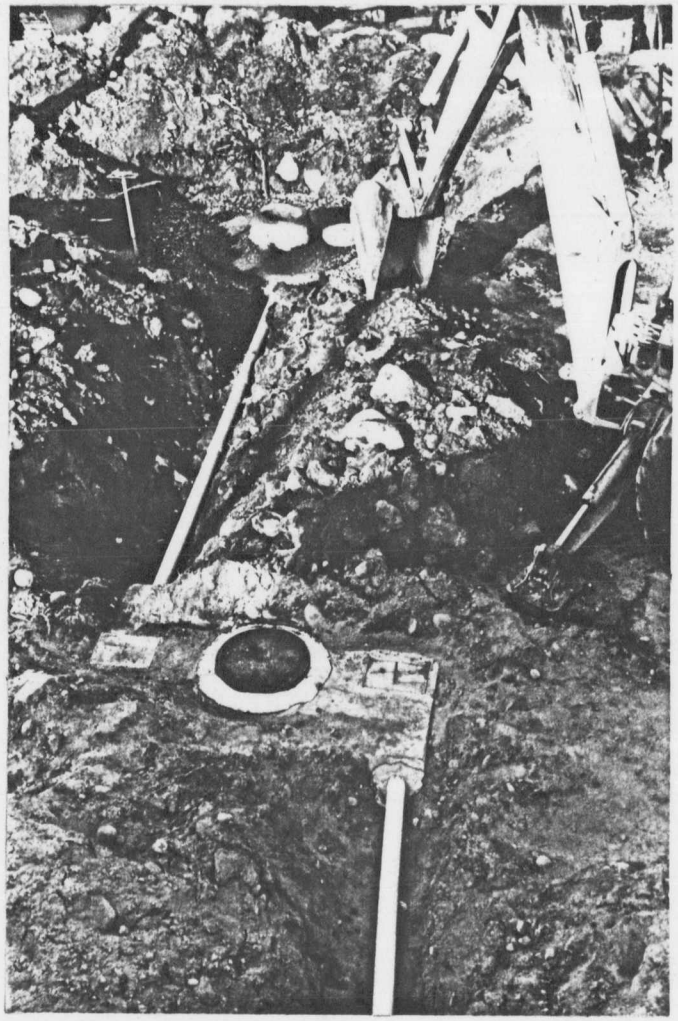


Fire and intrusion alarm controls located in wall closet in west end room of kitchen lean-to.
NPS Photos by: M. Fortin, 1983



Electrical distribution panel in cellar of lean-to.





Photographs taken north of the lean-to showing the installation of the sewer line, septic tank and leaching tank. Cpt. Wm. Smith House.

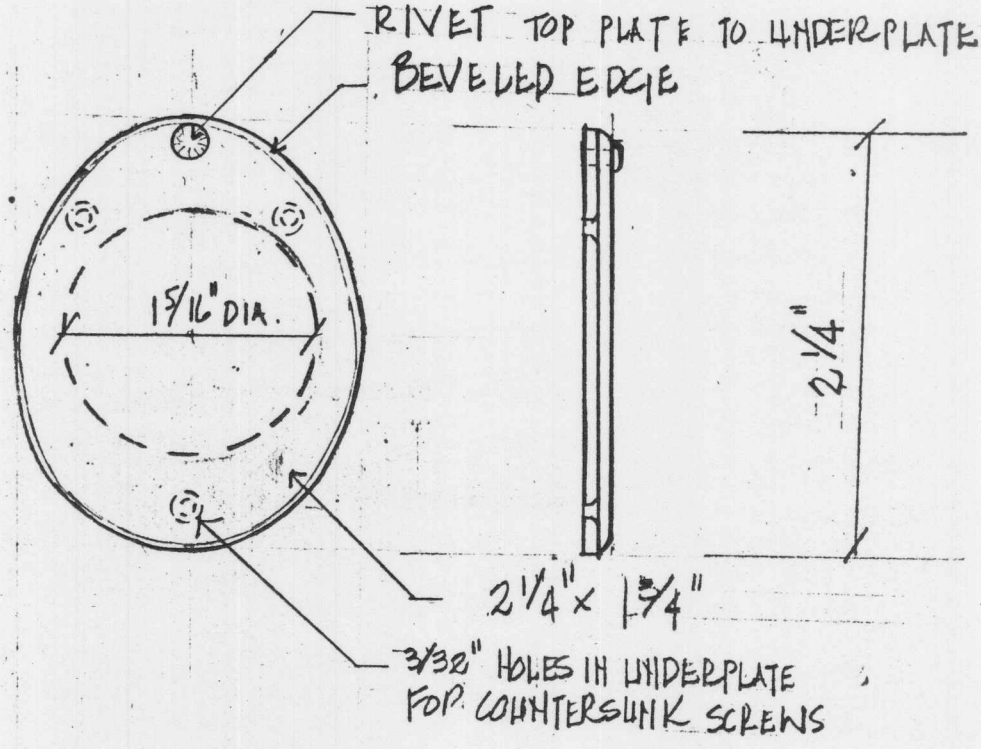
NPS Photos By: M. Fortin, 1983

CPT. WILLIAM SMITH HOUSE

MINUTE MAN NATIONAL HISTORICAL PARK

PAINT COLORS 1984

LOCATION		MUNSELL CO. COLOR NOTATION
INTERIOR PLASTER WORK 1ST & 2ND FLOORS		
PLASTER WALLS & CEILINGS THROUGHOUT EXCEPT PLASTER WALLS & CEILINGS IN WEST PARLOR, FIRST FLOOR	WHITEWASH	
PLASTER WALLS & CEILING IN WEST PARLOR, FIRST FLOOR	YELLOW WHITEWASH	2.5Y 8.5/4
INTERIOR WOODWORK - FIRST FLOOR		
EAST PARLOR WALLBOARDS - BLUE WHITEWASH		5B 6/1
EAST PARLOR: CORNER CUPBOARD SHELVES - RED		2.5YR 4/8
EAST & WEST PARLORS: WINDOW FRAMES & SASH - RED		2.5YR 4/8
WEST PARLOR: EAST WALL BDS. DOORS & TRIM · SILLS		
FLOOR BOARDS THROUGHOUT EXCEPT STAIRHALLS - RED		5 R 3/4
FLOOR BOARDS LEFT UNPAINTED IN STAIRHALLS · 1ST/2ND FLS.	NOT PAINTED	
STAIRHALL WOODWORK - 1ST FLOOR - LEFT UNPAINTED	NOT PAINTED	
STAIRWAY - 1ST & 2ND FLOOR - LEFT UNPAINTED THROUGHOUT	NOT PAINTED	
STAFF ROOM 1ST FLOOR - LEAN-TO		



CENTER 15/16" DIAMETER HOLE IN UNDERPLATE & DRILL THREE 3/32" HOLES FOR SCREWS [COUNTERSUNK]
COVER PLATE & UNDER PLATE BOTH 2 1/4" x 1 3/4"
MAKE FROM WROUGHT IRON FILE SMOOTH & EVEN

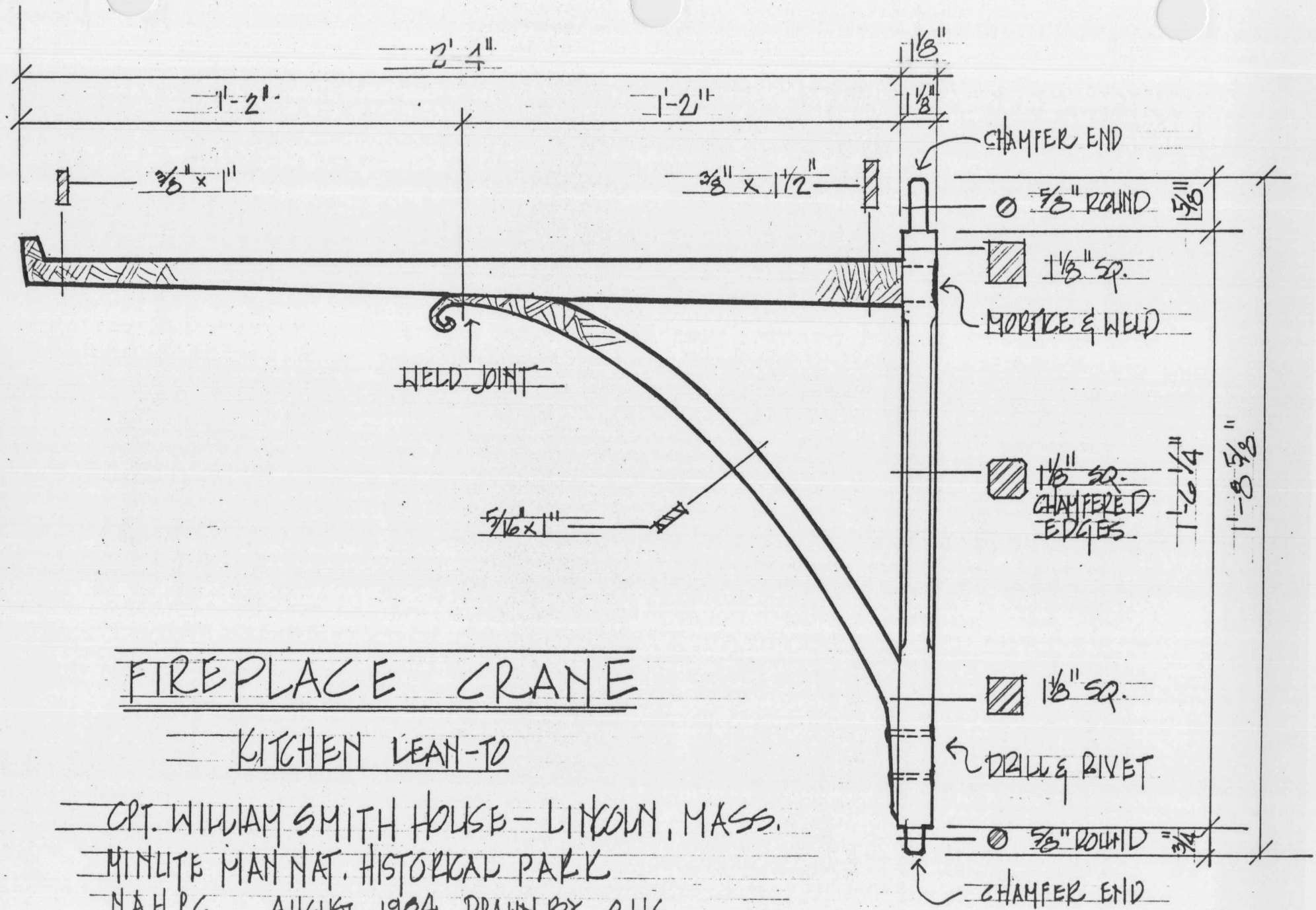
COVER PLATE FOR BEST LOCK - EAST DOOR TO KITCHEN
LEAN-TO - CPT W.H. SMITH HOUSE FULL SIZE
VIRGINIA RD LINCOLN, MASS. 5/3/84 OWC
MINUTE MAN NATIONAL HISTORICAL PARK

CPT. WILLIAM SMITH HOUSE

MINUTE MAN NATIONAL HISTORICAL PARK

PAINT COLORS 1984

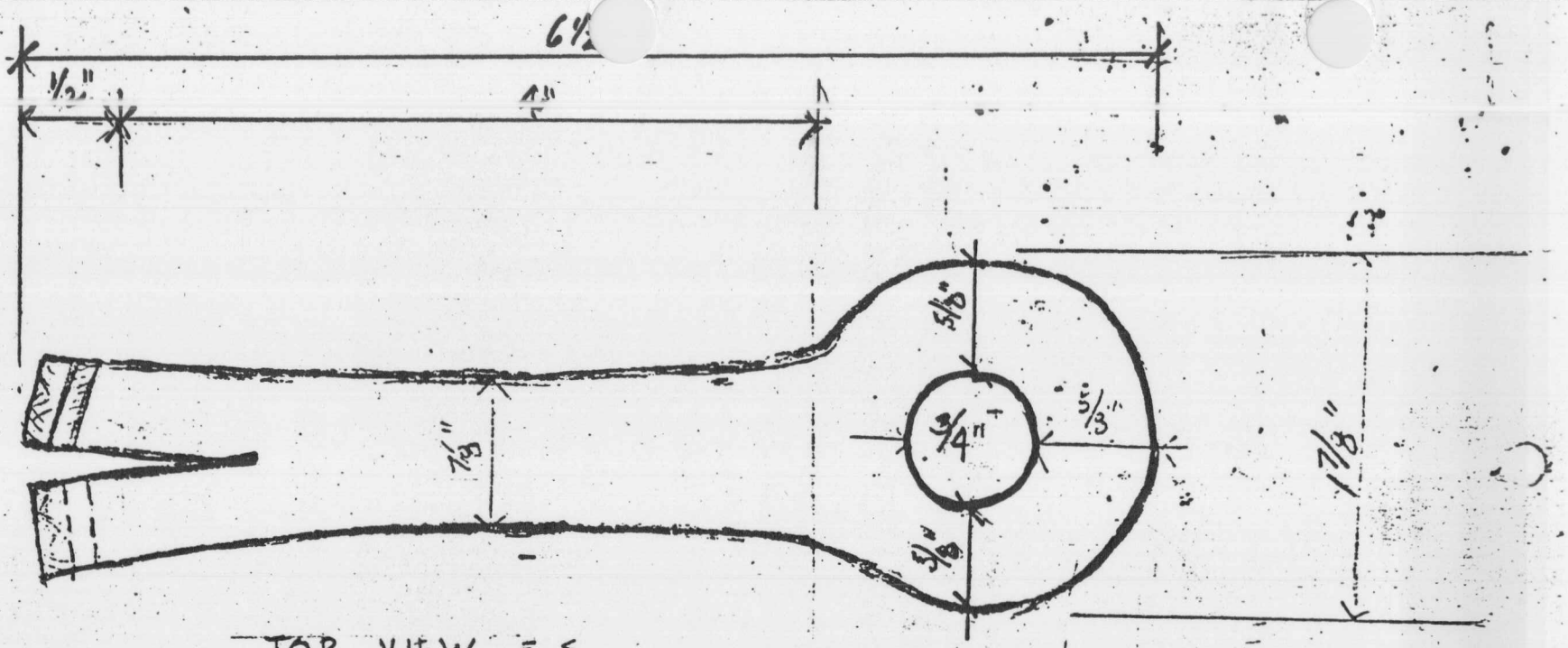
LOCATION		
INTERIOR PAINT COLORS ON SECOND FLOOR		
WOODWORK		
EAST & WEST CHAMBERS: WINDOW FRAMES & SASH	[redacted]	5B6/1
HALLWAY: SECOND FLOOR - WINDOW FRAME & SASH	[redacted]	10B 6/1
EAST CHAMBER: WEST WALL PANELING - DOORS & TRIM	WHITEWASH	
WEST CHAMBER: EAST WALL PANELING - DOORS & TRIM	WHITEWASH	
STAIRWAY: LEFT UNPAINTED	NOT PAINTED	
FLOOR BOARDS THROUGHOUT SECOND FLOOR	NOT PAINTED	
LEAN-TO GARRET & ATTIC OF 1692-93	NOT PAINTED	
CELLAR WALLS & CEILING - INCLUDING CELLAR STAIRS	NOT PAINTED	
EXTERIOR WOODWORK		
-		
NORTH WALL OF LEAN-TO: WINDOWS & WALLBDS.	NOT PAINTED	
CLAPBOARDS & FEATHEREDGED WALLBOARDS GIVEN	NOT PAINTED	
A WATER REPELLANT COATING	"HYDROZO" CLEAR	
EXTERIOR TRIM: FRONTICEPIECE & DOOR IN SOUTH WALL; EAST DOOR & FRAME IN LEAN-TO; ALL WINDOW FRAMES & SASH EXCEPT NORTH WALL; CORNER BOARDS; BED MOLDING ON SOUTH WALL; CROWN [illegible]	[redacted]	2.5YR 3/6



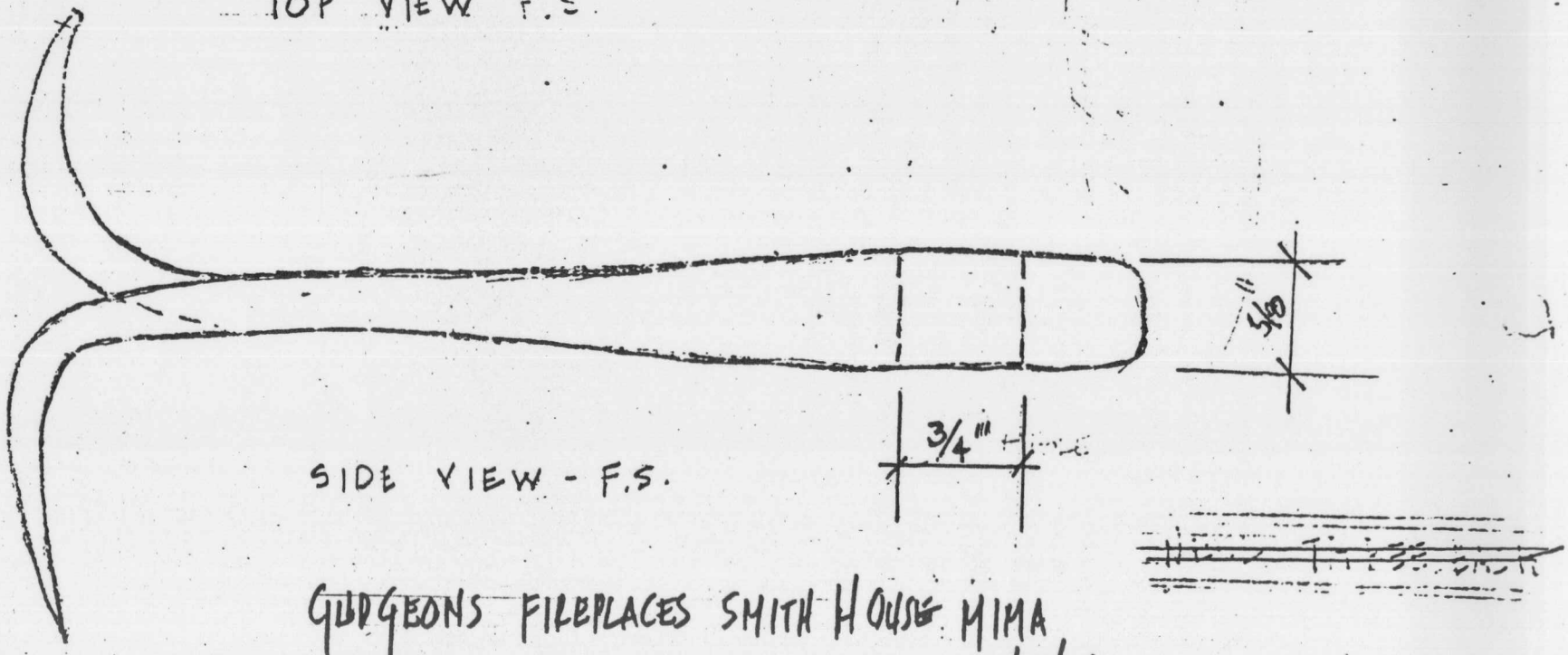
FIREPLACE CRANE

KITCHEN LEAN-TO

CPT. WILLIAM SMITH HOUSE – LINCOLN, MASS.
MINUTE MAN NAT. HISTORICAL PARK
NAHPC AUGUST 1964 DRAWN BY OHC
SCALE 3" = 1'-0"



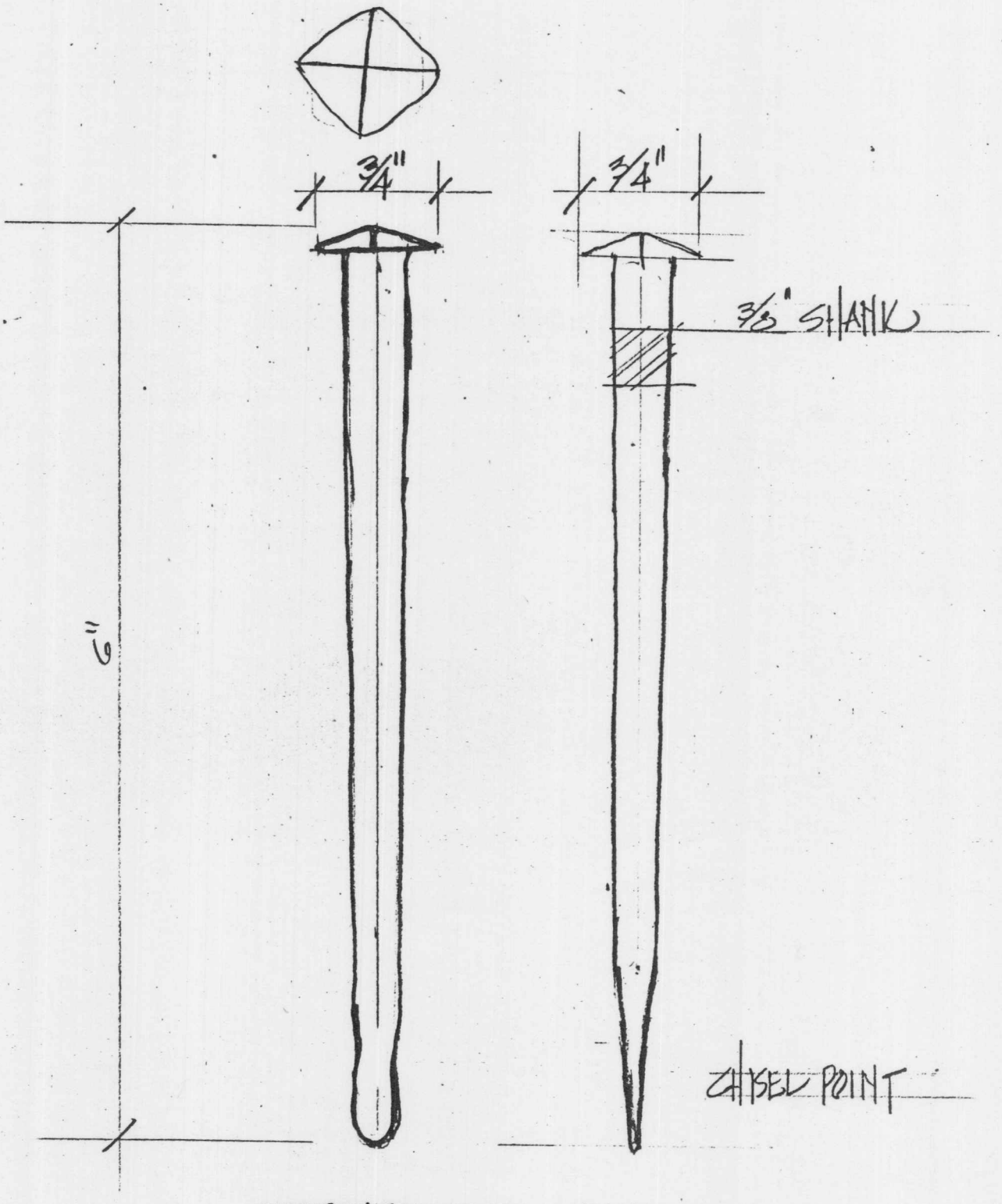
TOP VIEW F.S



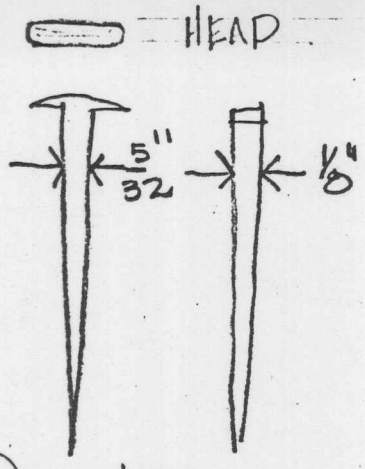
SIDE VIEW - F.S.

GUDGEONS FIREPLACES SMITH HOUSE MIMA

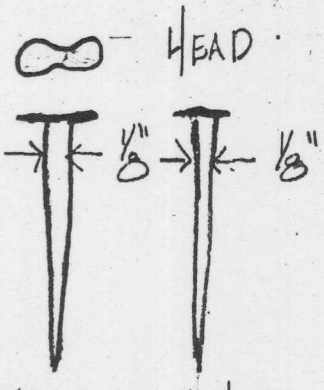
03/07/84



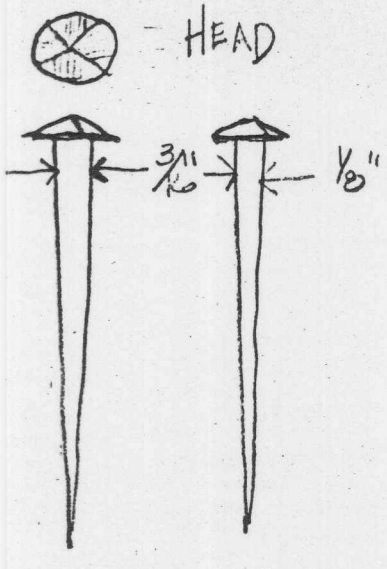
WINDOW FRAME NAILS
GPT WM SMITH HS LINCOLN MASS 7/29/03



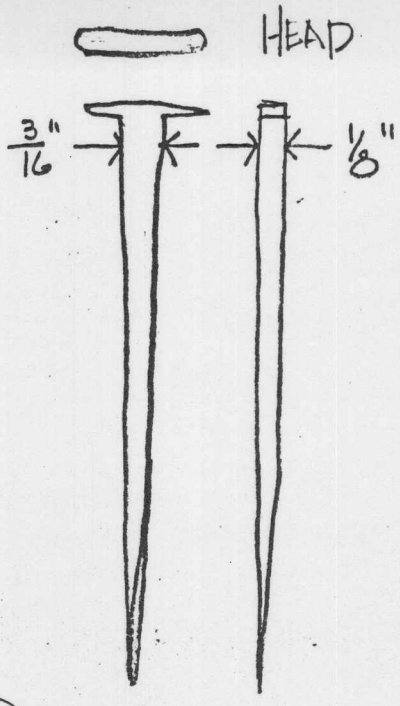
T T-HEAD DRAWN POINT



BT BUTTERFLY T-HEAD DRAWN POINT

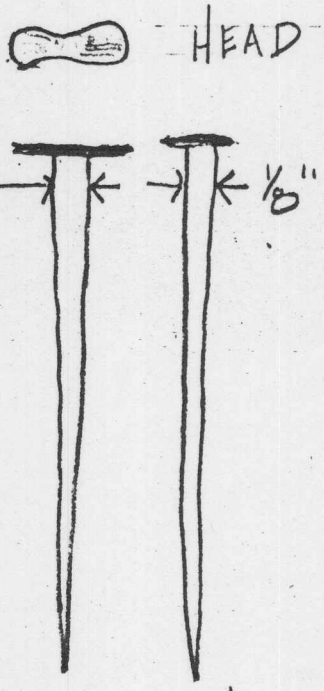


ROSE HEAD DRAWN POINT



T T-HEAD DRAWN POINT

2d	1"
3d	1 1/4"
4d	1 1/2"
4 1/2 d	1 5/8"
5d	1 3/4"
5 1/2 d	1 7/8"
6d	2"
7d	2 1/4"
8d	2 1/2"
9d	2 3/4"
10d	3"
12d	3 1/4"
16d	3 1/2"
20d	4"
30d	4 1/2"



BT BUTTERFLY T-HEAD DRAWN POINT

HAND-WROUGHT NAILS CPT. WM. SMITH HOUSE

LEAN-TO

MINUTE MAN NATIONAL HISTORICAL PARK
VIRGINIA ROAD - LINCOLN, MASS.

MARCH 1983

FIRST FLOOR

LOCATION	SIZE	TOTAL	TYPE HEAD
FLOOR BOARDS KITCHEN 24 NAILS/13 JOISTS	12d	312	T-HEAD
FLOORBOARDS LEAN-TO 2ND FLOOR	MACHINE CUT NAILS		
WINDOW TRIM INTERIOR LEAN-TO	4½d	112	T-HEAD
POST & SUMMER BEAM TRIM: LEAN-TO	4½d	150	↓
MANTEL SHELF MOLDINGS - LEAN-TO	3d	25	
BASEBOARDS - LEAN-TO	5d	30	
PARTITION BOARDS IN LEAN-TO	5d	25	ROSE-HEAD
STAIR TREAD/RISERS IN LEAN-TO	5d	160	T-HEAD
DOORS IN LEAN-TO			ROSE-HEAD
STAIRWAY TO 2ND FL. 30			↓
STAIRWAY TO CELLAR 30			
STAFF ROOM 30	B+B		
TOILET ROOM 30	6d	120	ROSE-HEAD
EAST EXTERIOR DOOR LEAN-TO VERT BDS	5½d	54	T-HEAD
TOILET DOOR LEAN TO 2ND FL B+B	6d	30	ROSE HEAD
CHIMNEY BAY DOOR LEAN-TO 2ND FL B+B	6d	30	↓
DOOR TRIM THROUGHOUT 1750 DOORS INT.	5d	160	T-HEAD
" " " " " "	7d	75	↓
WINDOW TRIM - INTERIOR 1ST FL 4 OPENINGS	6d	60	
THRESHOLDS LEAN-TO DOORS	6d	36	
DOOR TRIM LEAN-TO INTERIOR EAST DOOR	6d	14	↓

HARDWARE NAILS

List of Handwrought Nails Req'd. for Cpt. Wm. Smith Hs.

East Parlor 1st Floor

Wall Boards Nailed to studding				
South wall	60			
East "	74			
North	50			
West	30	6d	234	T-Head
Threshold Cellar Door		6d	6	
" Hallway Door		6d	6	
Floor Boards	20 Nails per Bd	12d	200	

Doors East Parlor

Cellar Door	B+B.	6d	20	Rose Head
North Door East Parlor		6d	30	
Hallway Door		6d	30	
Thresholds		6d	18	T-Head

West Parlor 1st Floor

Floor Boards	20 Nails per Board	12d	200	T Head
Doors West Parlor	B+B	6d	30	Rose Head
Hallway Door		6d	30	
North Door		6d	30	
Closet Door East Wall		6d	30	
Thresholds		6d	24	T-Head

Hallway 1st Floor

Floor Boards		12d	54	T. Head
Exterior Door Vert. Boards		5d	34	T-Head

HAND-WROUGHT NAILS CPT. WM. SMITH HS LINCOLN, MASS. 3/4

SECOND FLOOR

LOCATION		SIZE	TOTAL	TYPE HEAD
WEST CHAMBER				
DOORS				
NORTH CLOSET DOOR	B+B	6d	22	ROSE HEAD
HALLWAY DOOR	B+B	6d	30	↓
MINTEL WEST CHAMBER		8d	10	T-HEAD
MINTEL MOLDING WEST CHAMBER		4d	24	T-HEAD
CHIMNEY CENT TRIM	" "	5d	20	
" " "		3d	10	
VERTICAL WALL BOARDS		8d	20	↓
EAST CHAMBER				
DOORS				
NORTH CLOSET DOOR EAST CHAMBER	B+B	6d	30	ROSE HEAD
HALLWAY DOOR "	B+B	6d	30	↓
BOLECTION MOLDING " "		4d	18	T-HEAD
HINGE HOLES TO DOORS		6d	12	
VERTICAL WALL BOARDS		6d	20	

HAND-WROUGHT NAILS CPT WM SMITH HS LINCOLN, MASS. 4/4

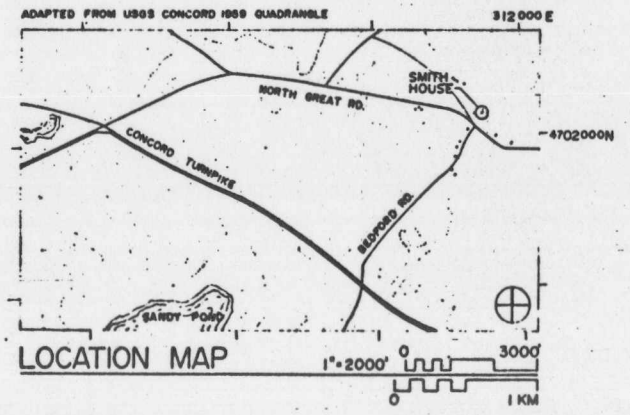
EXTERIOR TRIM

LOCATION	SIZE	TOTAL	TYPE HEAD
FRONTICEPIECE SOUTH WALL			
BACKBOARD UNDER PILASTERS	7d	24	B-T
PLASTERS & BASE UNDER	16d	20	B-T
MOLDINGS	6d	13	T-HEAD
MOLDINGS	7d	9	|
TOP CAPS	10d	24	|
PEDIMENT BOARD	7d	8	|
MOLDINGS	4½d	16	|
"	4d	12	|
NECKING MOLDINGS	4½d	20	|
THRESHOLD	7d	8	↓
WINDOW CAPS HOLDING 8 OPENINGS	5d	100	B-T
BACKBAND LEAN-TO DOOR EXTERIOR	6d	25	T-HEAD
DOOR CASING LEAN-TO DOOR EXTERIOR	7d	13	↓
DOOR CAP " "	8d	5	B-T
BELT BOARD/COVER BDS AT GABLE ENDS	8d	34	|
SOFFIT BOARD - GABLE OVERHANG	10d	32	|
CORNER BOARDS EXTERIOR	7d	40	|
" " "	6d	30	|
VERGE BOARDS "	7d	35	|
VERGE BOARD TRIM "	5d	35	↓
CROWN MOLDING SOUTH CORNICE	5d	16	T-HEAD
BED MOLDING EXTENSION	7d	8	|
CLAPBOARDS	8d-9d	3000	PER SAMPLE

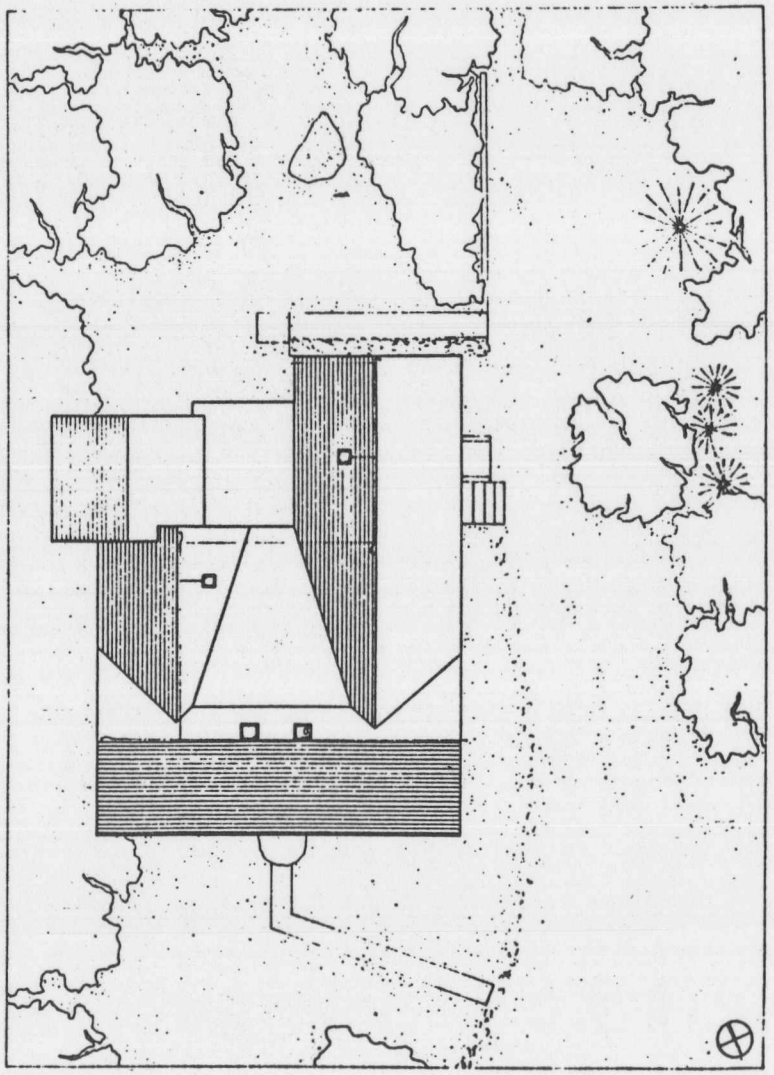
WINDOW JAMB SPIKES 12 OPENING 4 SPIKES PER OPENING

CAPTAIN SMITH HOUSE

THIS PROJECT WAS UNDERTAKEN BY THE HISTORIC AMERICAN BUILDINGS SURVEY IN COOPERATION WITH THE NATIONAL PARK SERVICE. MEASURED AND DRAWN DURING THE SUMMER OF 1977 UNDER THE DIRECTION OF JOHN POPPELIERS, CHIEF OF H.A.B.S. AND MARK L. HALL (HARVARD UNIVERSITY), PROJECT SUPERVISOR, BY BOB LOUTON (UNIVERSITY OF ARKANSAS) AND GORDON OLSCHLAGER (NORTH DAKOTA STATE UNIVERSITY), AT THE MINUTE MAN NATIONAL HISTORICAL PARK.



LOCATION MAP



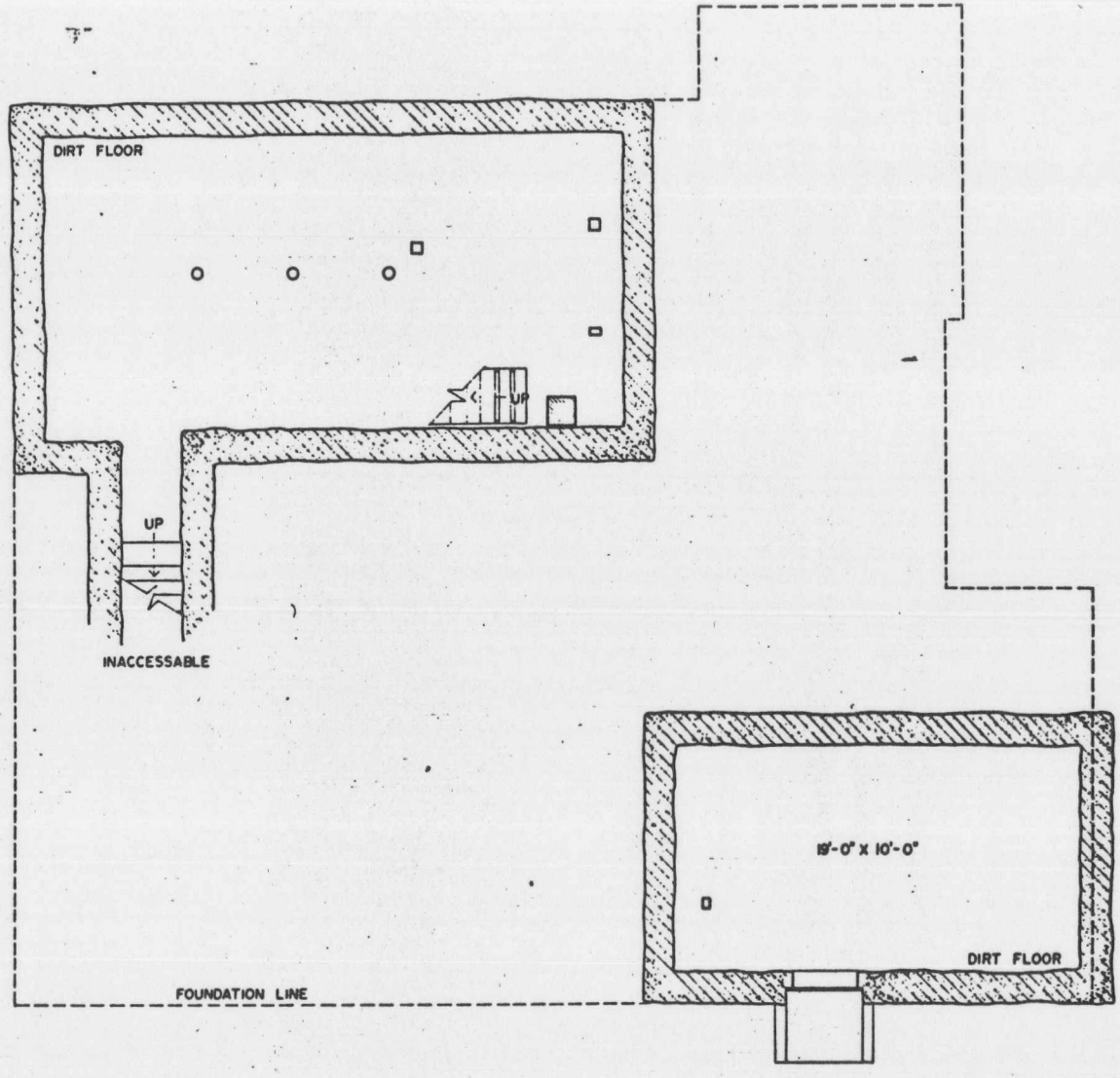
SITE PLAN

FEET 1"=10' 0 5 10 20 30

METERS 1:20 0 5 10

DRAWN BY MARK L. HALL

CONCORD, MASSACHUSETTS SURVEY 1977 OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION UNDER DIRECTION OF THE NATIONAL PARK SERVICE. UNITED STATES DEPARTMENT OF THE INTERIOR	NAME AND LOCATION OF STRUCTURE CAPTAIN WILLIAM SMITH HOUSE BATTLE ROAD LINCOLN MIDDLESEX COUNTY MASSACHUSETTS	SURVEY NO.	HISTORIC AMERICAN BUILDINGS SURVEY SHEET 1 OF 8 SHEETS



BASEMENT PLAN

FEET 1/4"=1'-0" 0 1 5 10

METERS 1:48 0 1 2 3

DRAWN BY MARK L HALL

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE.
UNITED STATES DEPARTMENT OF THE INTERIOR

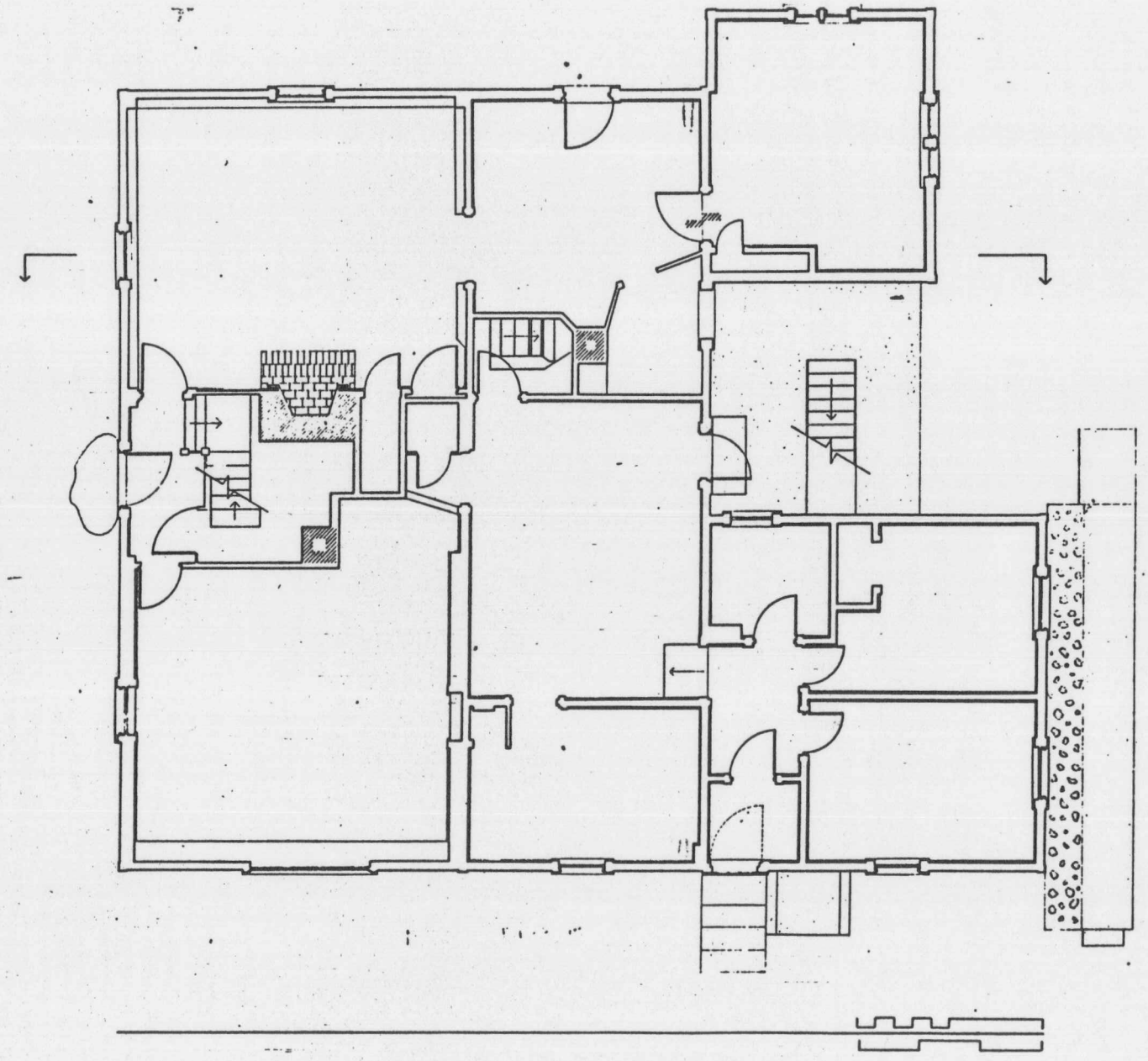
NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD LINCOLN MIDDLESEX COUNTY MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 2 OF 8 SHEETS



DRAWN BY GORDON OLSCHLAGER

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE.
UNITED STATES DEPARTMENT OF THE INTERIOR

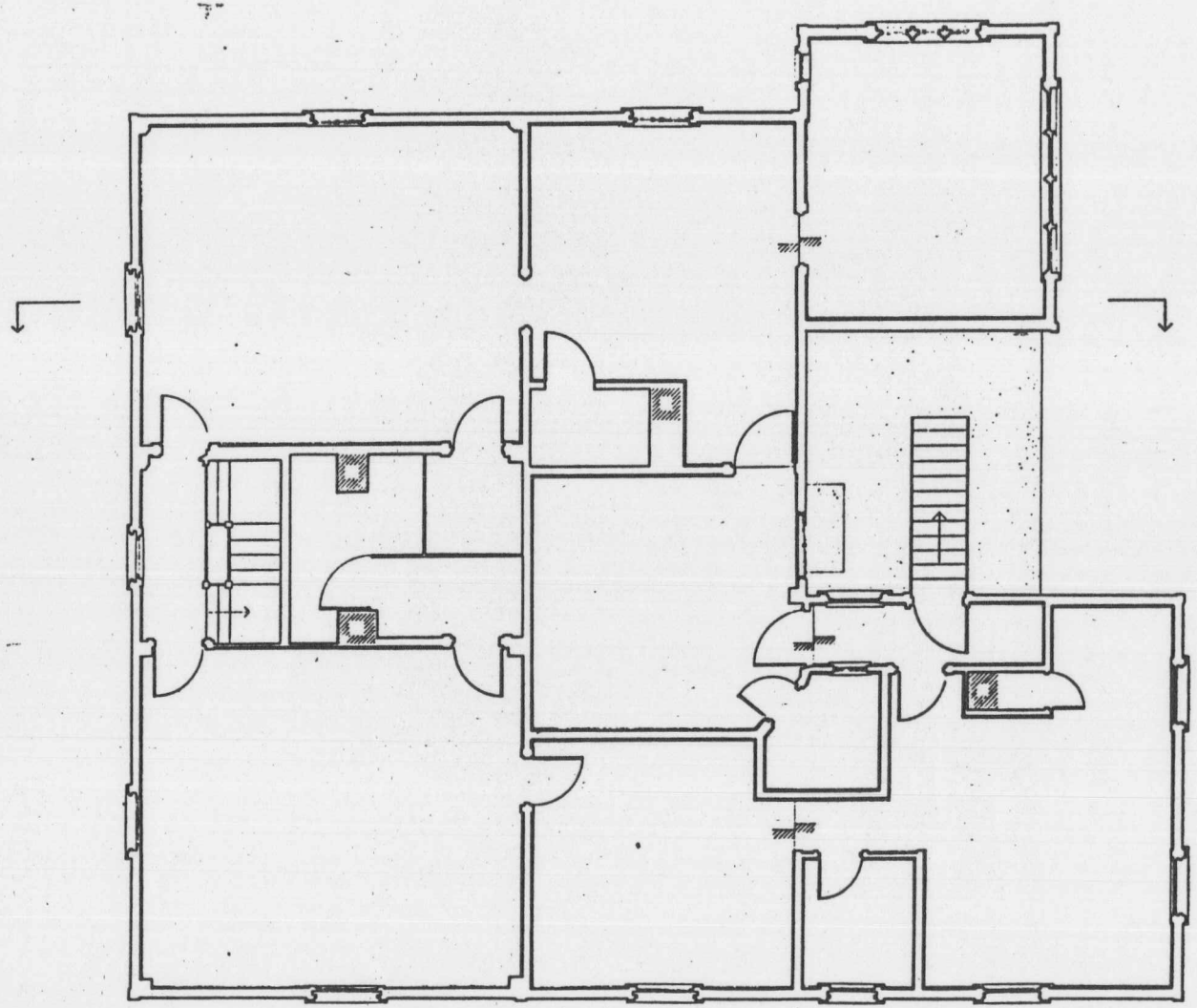
NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD | LINCOLN | MIDDLESEX COUNTY | MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 3 OF 8 SHEETS



DRAWN BY GORDON OLSCHLAGER

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE.
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD | LINCOLN | MIDDLESEX COUNTY | MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 4 OF 8 SHEETS



SOUTH ELEVATION

FEET 1/4"=1-0" 0 1 5 10
METERS 1:48 0 1 2 3

DRAWN BY MARK L HALL

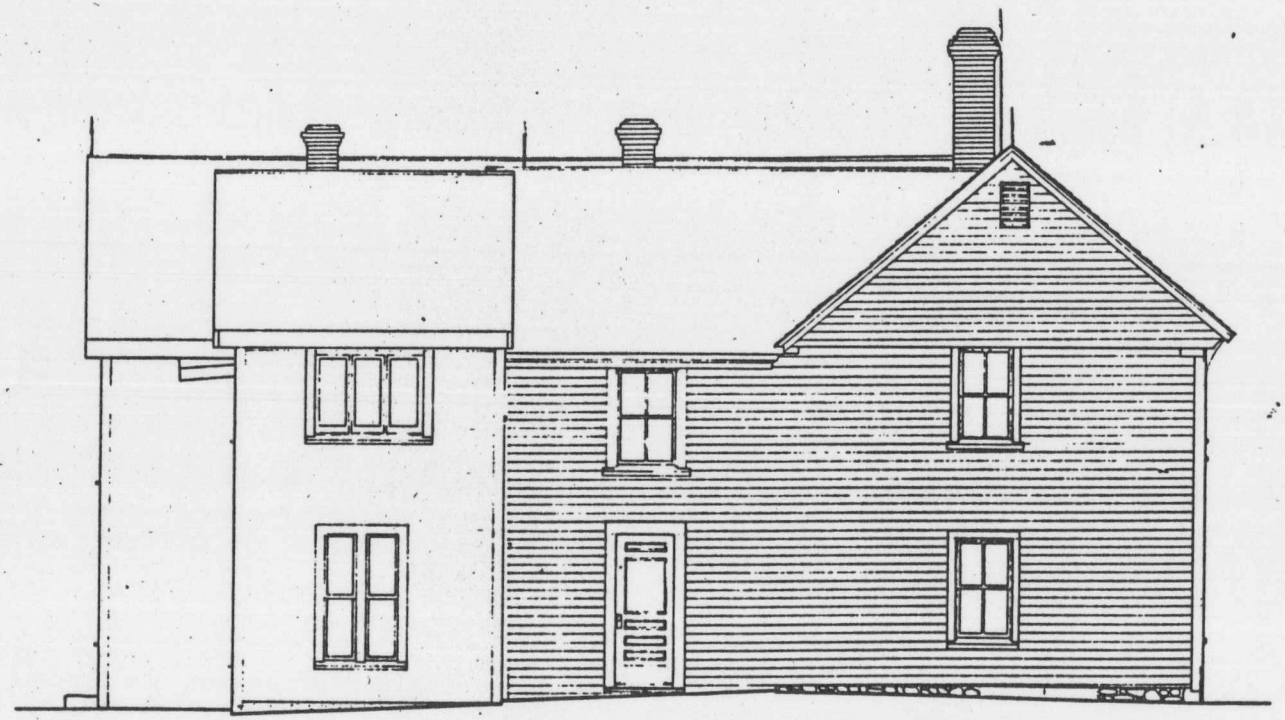
CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE.
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE
CAPTAIN WILLIAM SMITH HOUSE
BATTLE ROAD LINCOLN MIDDLESEX COUNTY MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 5 OF 8 SHEETS

7"



WEST ELEVATION

DRAWN BY BOB LOUTON

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE,
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD | LINCOLN | MIDDLESEX COUNTY | MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 6 OF 8 SHEETS



EAST ELEVATION

FEET 1/4"=1-0" 0 5 10
METERS 1:48 0 1 2 3

DRAWN BY GORDON OLSCHLAGER

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE,
UNITED STATES DEPARTMENT OF THE INTERIOR

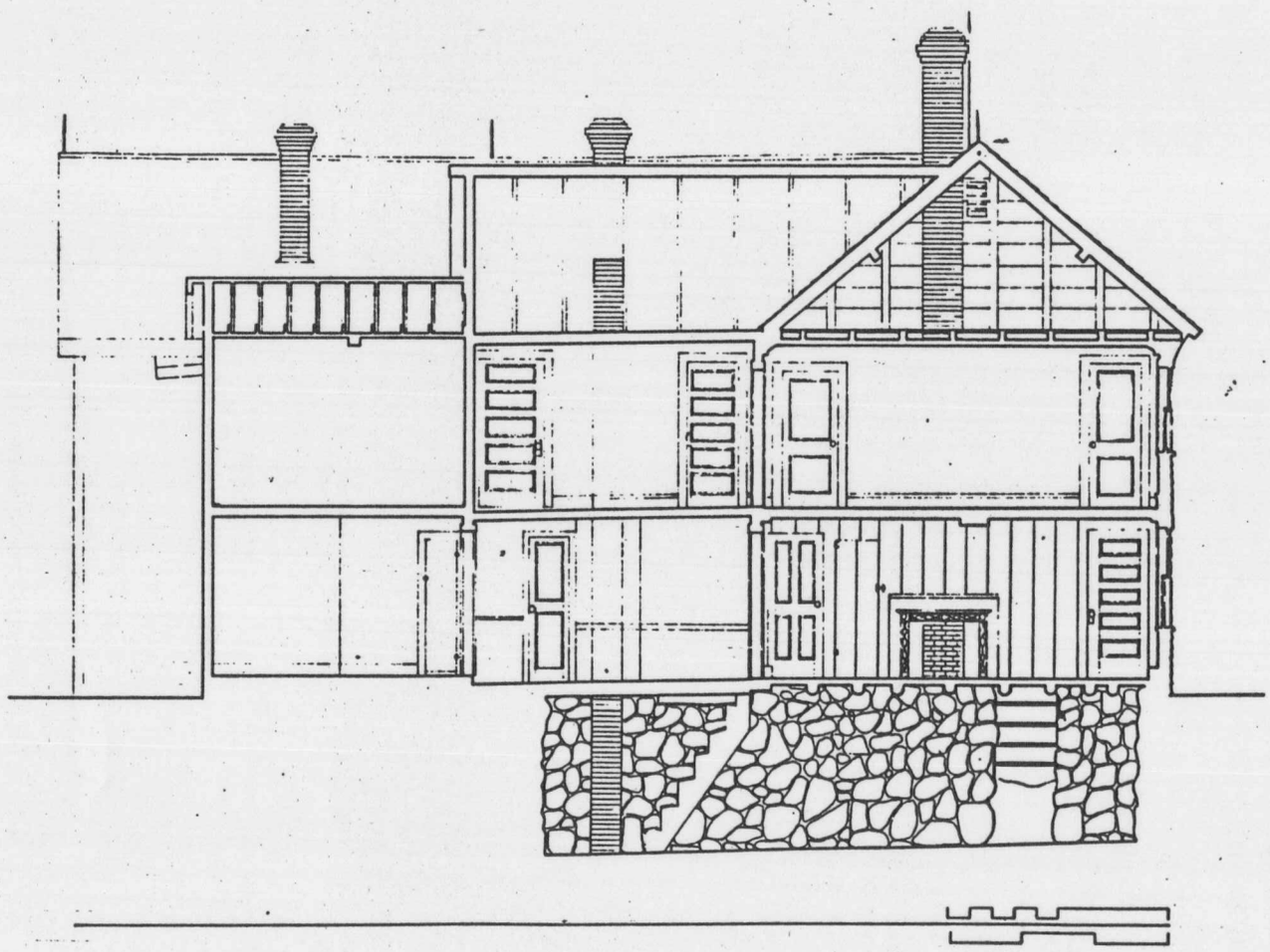
NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD | LINCOLN | MIDDLESEX COUNTY | MASSACHUSETTS

SURVEY NO.

HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 7 OF 8 SHEETS



DRAWN BY BOB LOUTON

CONCORD, MASSACHUSETTS SURVEY 1977
OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION
UNDER DIRECTION OF THE NATIONAL PARK SERVICE.
UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

CAPTAIN WILLIAM SMITH HOUSE

BATTLE ROAD — LINCOLN — MIDDLESEX COUNTY — MASSACHUSETTS

SURVEY NO.

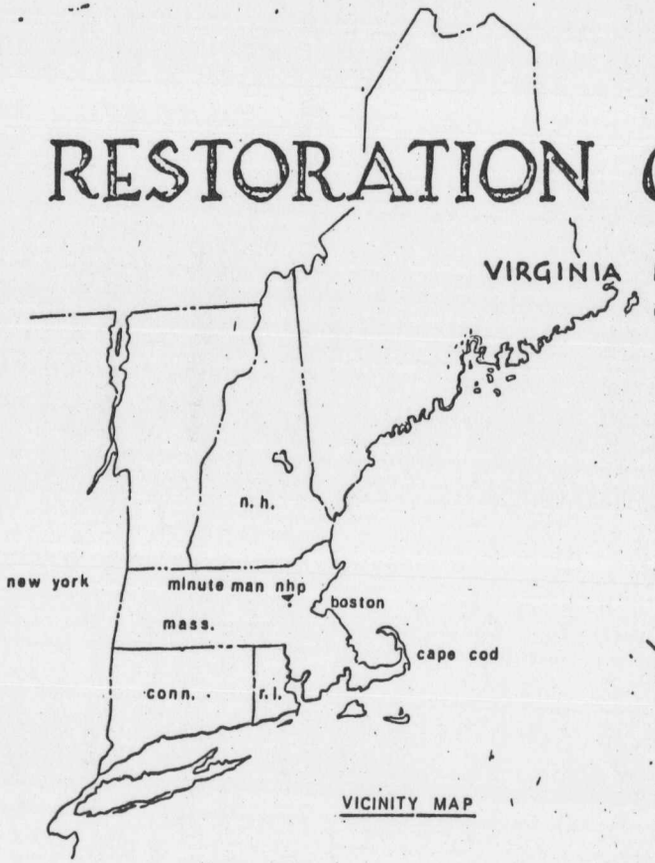
HISTORIC AMERICAN BUILDINGS SURVEY
SHEET 8 OF 8 SHEETS

MINUTE MAN
NATIONAL HISTORICAL PARK

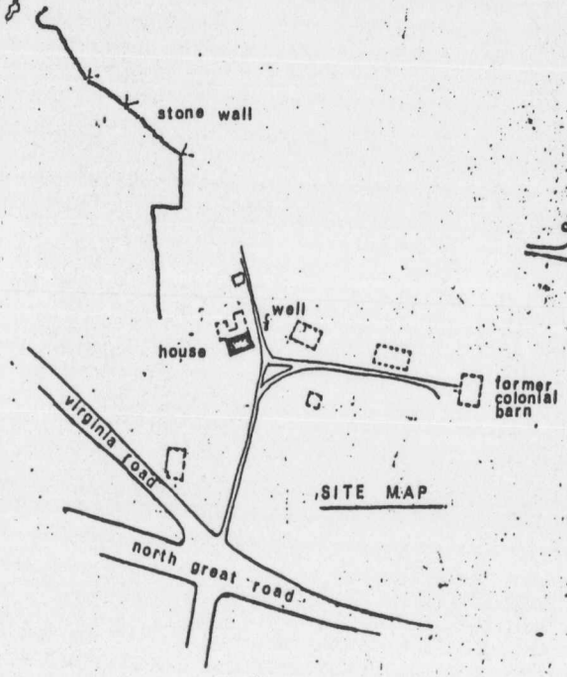
MASSACHUSETTS

RESTORATION OF THE CAPT. WM. SMITH HS.

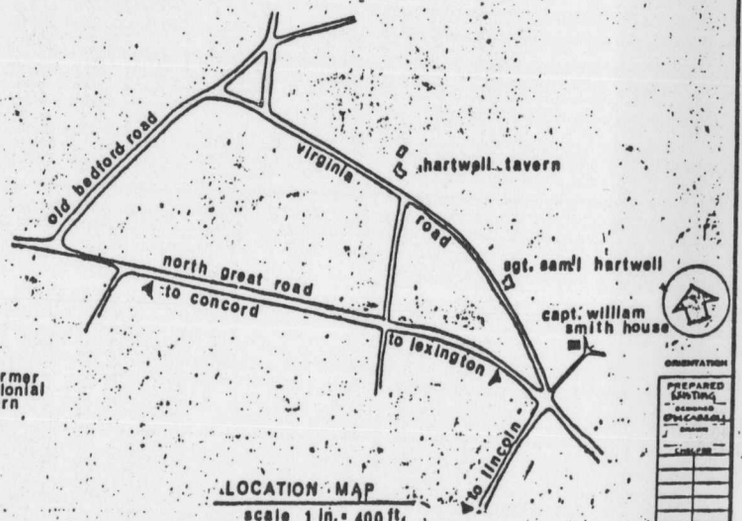
VIRGINIA ROAD — LINCOLN MASSACHUSETTS



VICINITY MAP



SITE MAP



LOCATION MAP
scale 1 in. = 400 ft.

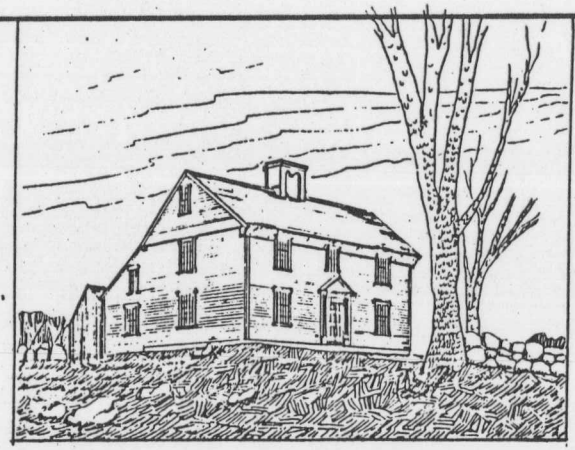
SCALE	MARK	DESCRIPTION OF REVISION	DATE	INITIAL
RECOMMENDED ____ DATE			REVISED	
APPROVED ____ DATE		UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE NORTH ATLANTIC HISTORIC PRESERVATION CENTER NORTH ATLANTIC REGION	REGION NORTH ATLANTIC	
		RESTORATION OF THE CAPT. WILLIAM SMITH HOUSE UNIT A - VIRGINIA ROAD - LINCOLN, MASS. MINUTE MAN NATIONAL HISTORICAL PARK	SHEET 1 OF 9 DRAWING NO. PA-339	

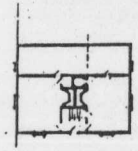
PREPARED (LISTING) — DESIGNED — DRAWN — TRACED — CHECKED — QUANTITIES — ORIENTATION



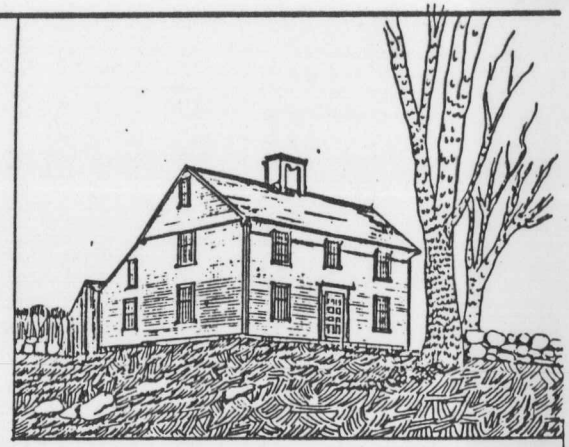


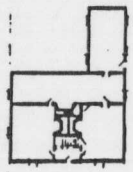
CPT WM SMITH HOUSE FROM C1692 TO C1730



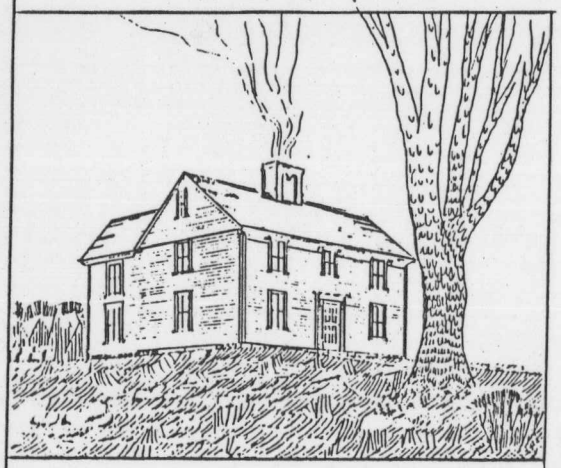


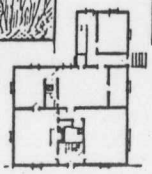
CPT WM SMITH HOUSE FROM C1730 TO C1828





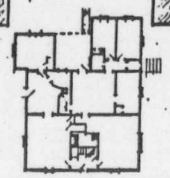
CPT WM SMITH HOUSE FROM C1828 TO C1890/1900



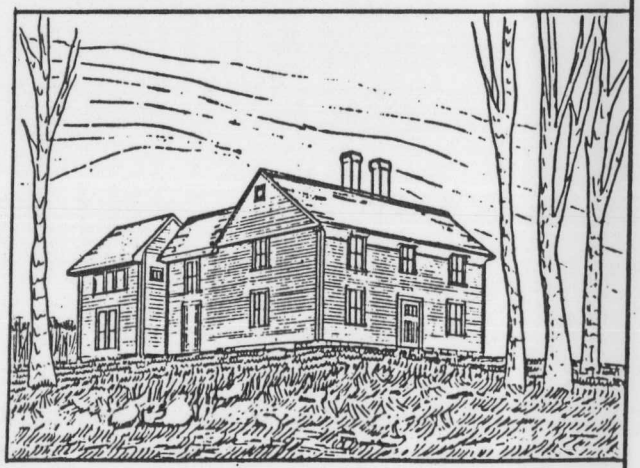


CPT WM SMITH HOUSE FROM C1900 TO C1910





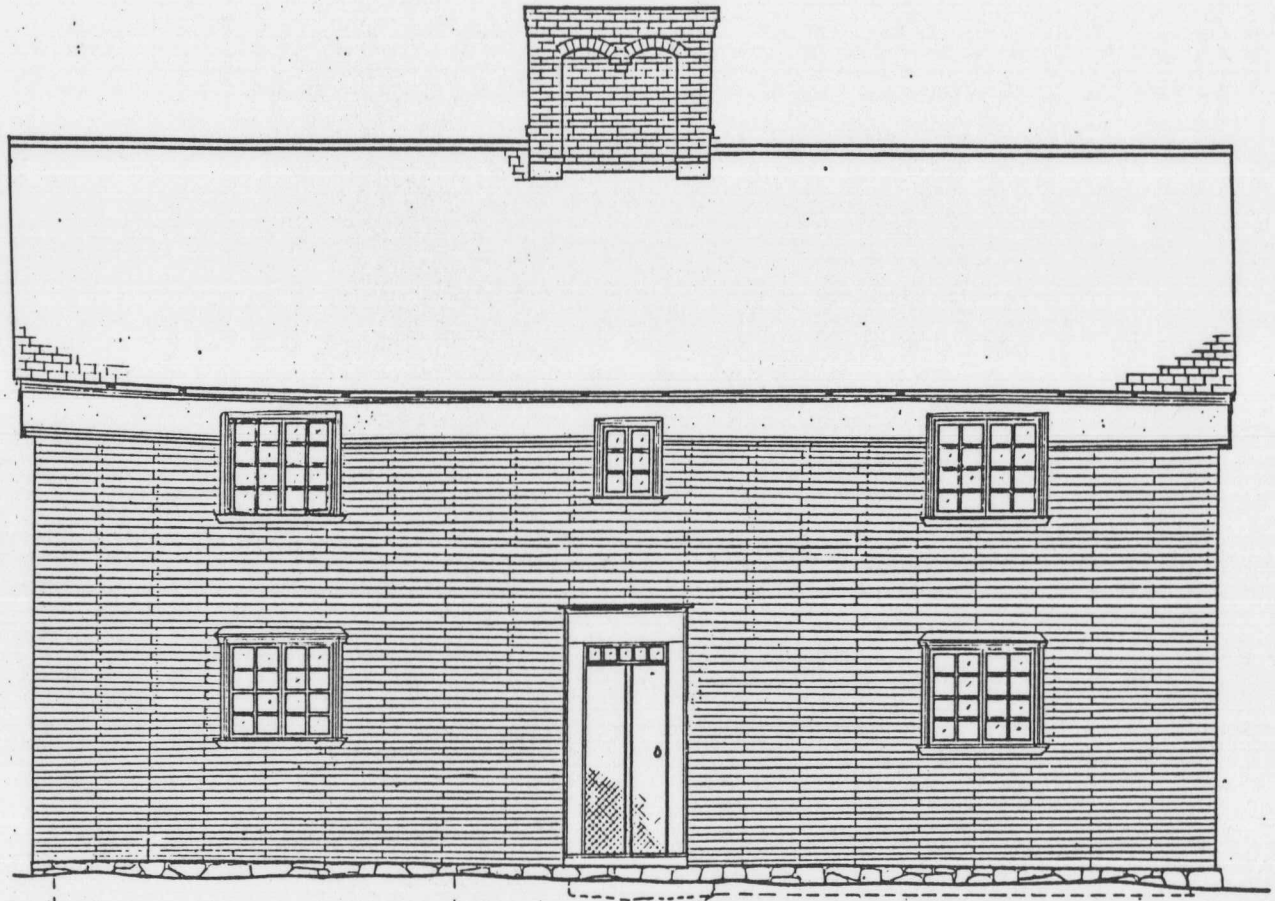
CPT WM SMITH HOUSE FROM C1910 TO C1956



CPT WM SMITH HOUSE AFTER C1956

EXISTING STRUCTURE - CPT. WM SMITH HOUSE

PREPARED — EXISTING DESIGNED — M CALDWELL DRAWN — CHECKED — JULY 1981 DATE	DRAWING NO. D06553 001
PCTP PKG	SHEET 2 OF 19



SOUTH ELEVATION

CONJECTURAL VIEW OF SOUTH FACADE FROM c1692 TO c1750+

NOTES

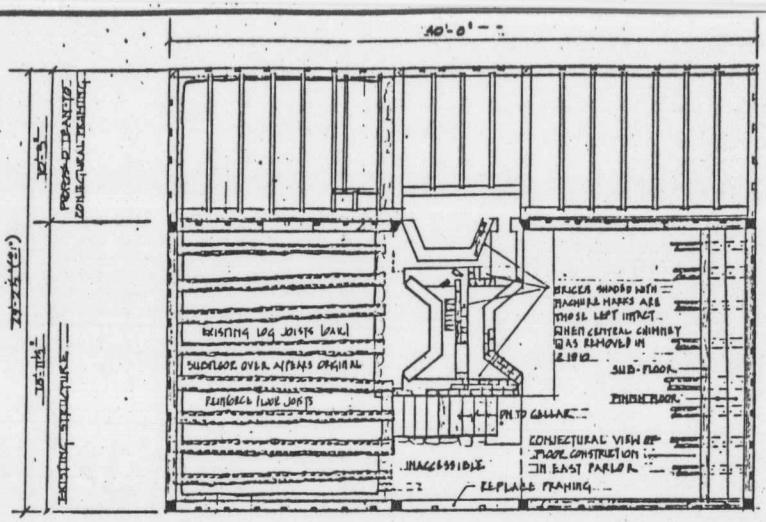
1 CHIMNEY DESIGN BASED ON PHOTOGRAPHS DATING BETWEEN c1890 TO c1910
2 WINDOW OPENINGS DETERMINED FROM EVIDENCE FOUND IN PLACE.
3 WINDOW SILL AND JAMBS DETERMINED FROM AN ORIGINAL SILL FOUND INSIDE WALL
4 WINDOW SASH IS CONJECTURAL BUT BASED ON EVIDENCE FOUND ON ORIGINAL SILL
5 DESIGN OF FRONTISPIECE & DOOR IS CONJECTURAL/HARDWARE IS CONJECTURAL
6 ARCHITRAVE OF DOORWAY BASED ON ORIGINAL MEMBER FOUND REUSED AS BLOCKING.
7 CLAPBOARD SPACING & NAILING BASED ON MEASUREMENTS OF EXISTING WALL HOLES
8 UNDERPINNING ABOVE GROUND LEVEL IS CONJECTURAL

0' 2' 4' 8'
SCALE 1/2"=1'-0"

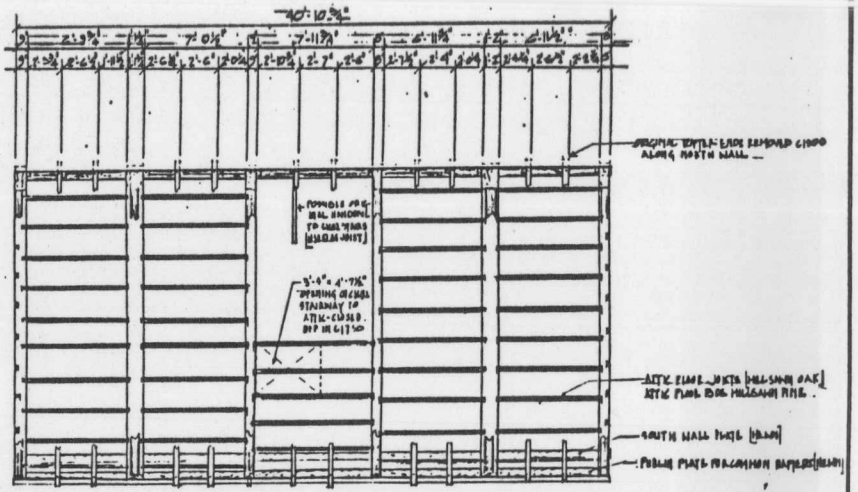
EXISTING STRUCTURE - CPT WM. SMITH HOUSE

PREPARED
EXISTING
DESIGNED
M.W.CARROLL
DRAWN
CHECKED
DEC '91
DATE

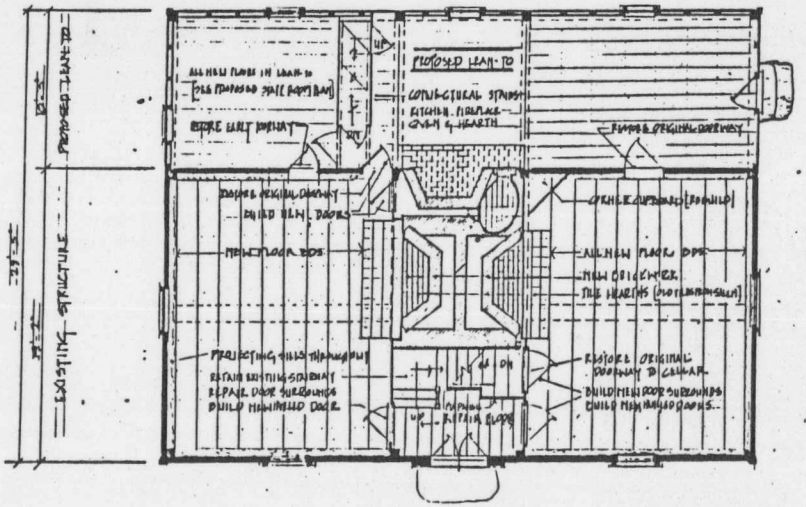
DRAWING NO.
UDG553
001
PCTP
PRG
SHEET
3
OF 10



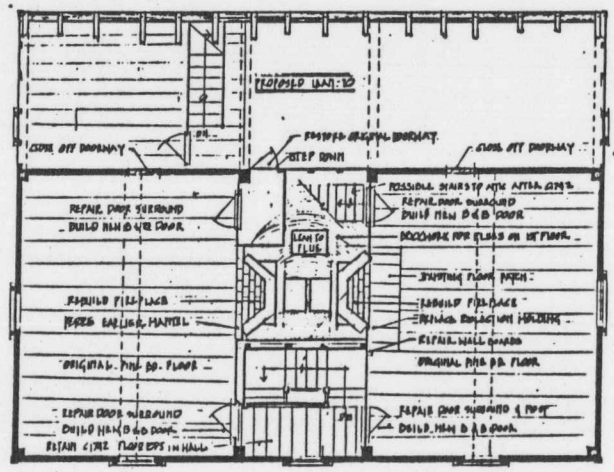
FIRST FLOOR FRAMING PLAN



FRAMING PLAN OF ATTIC



FIRST FLOOR PLAN



SECOND FLOOR PLAN

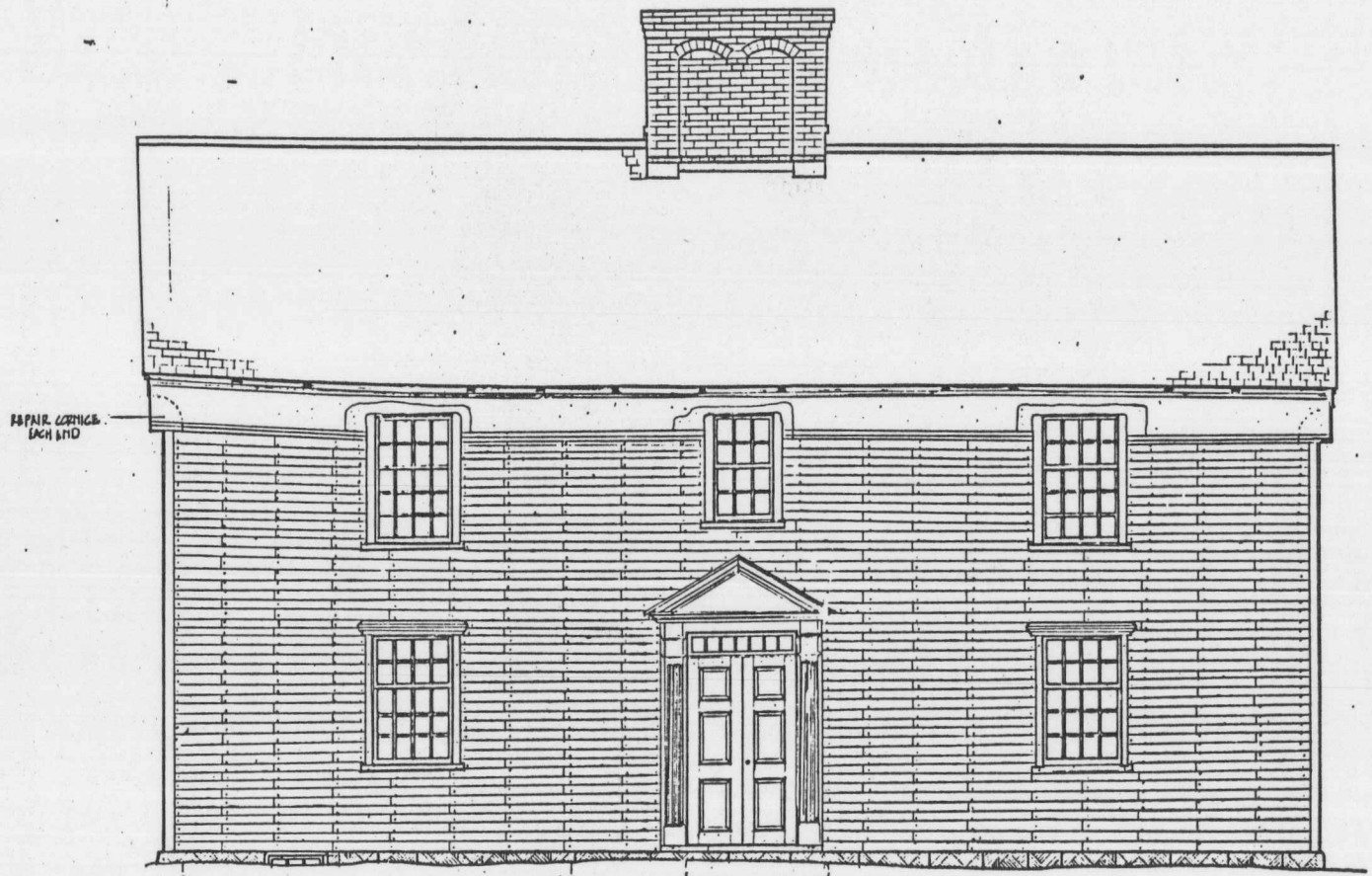


CONJECTURAL FLOOR PLANS AS OF APRIL 19·1775

EXISTING STRUCTURE — CPT. WM. SMITH HOUSE

0' 5' 10' SCALE: 1/4" = 1FT-0"

PREPARED	DRAWING NO
EXISTING DESIGNED & H CARROLL DRAWN	D0655a 001
CHECKED BIC 1981 DATE	PCTR PHO — SHEET 4 OF 19



SOUTH ELEVATION

CONJECTURAL VIEW OF SOUTH FACADE ~ APRIL 19:1775

RESTORATION NOTES

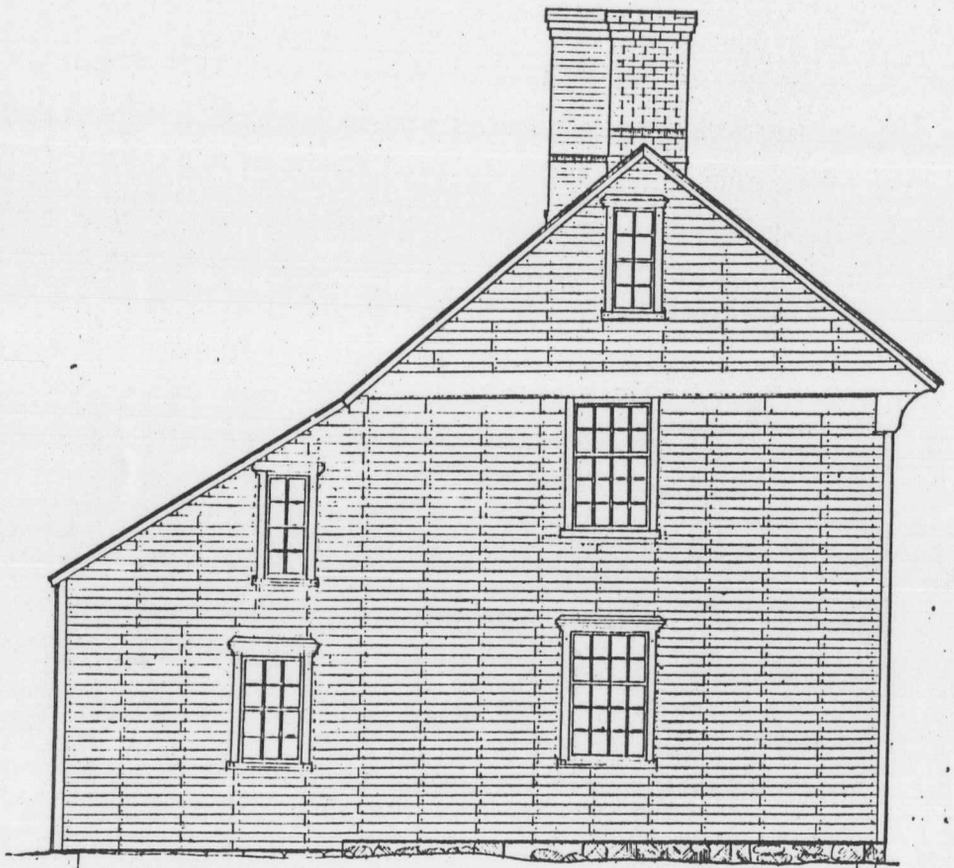
1. REBUILD CENTRAL CHIMNEY USING BRICKS SALVAGED FROM EXISTING CHIMNEYS
2. NEW WOOD SHINGLED ROOF/NEW RIDGE BDS/NEW RAKE BDS.
3. REPLACE MODERN CROWN MOLDING AT WEST END OF CORNICE/PAINT RED
4. REPAIR PLASTER COVE CORNICE - EXTEND ENDS AS SHOWN/REUSE EXISTING BED MOLDING
5. RETAIN CIRCA WINDOW FRAMES ON SECOND FLOOR/NEW SASH
6. BUILD NEW WINDOW FRAMES ON FIRST FLOOR/NEW SASH
7. BUILD NEW FRONTICE PIECES/NEW DOOR/NEW HARDWARE
8. NEW HAND-RIVEN CLAPBOARDS NAILED AT STUDDING/NEW CORNERBOARDS.
9. NEW CELLAR WINDOW FRAMES AND SASH.
10. REPLACE MISSING GRANITE UNDERPINNING & REPOINT JOINTS.

0' 1' 2' 3' 4' 5'

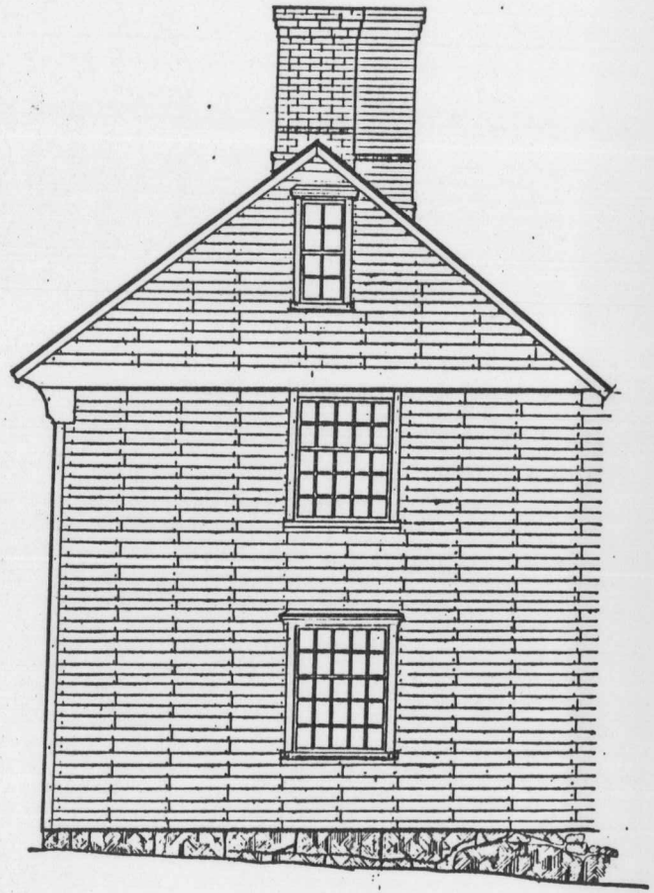
SCALE 1/2" = 1'-0"

PREPARED	DRAWING NO.
EXISTING DESIGNED	D 06553 001
DRAWN	PROJ. PKG. —
CHECKED	SHEET 5
DATE	OF 19

EXISTING STRUCTURE ~ CPT. NH SMITH HOUSE



WEST ELEVATION



EAST ELEVATION

CONJECTURAL VIEWS OF END WALLS - APRIL 19 - 1773

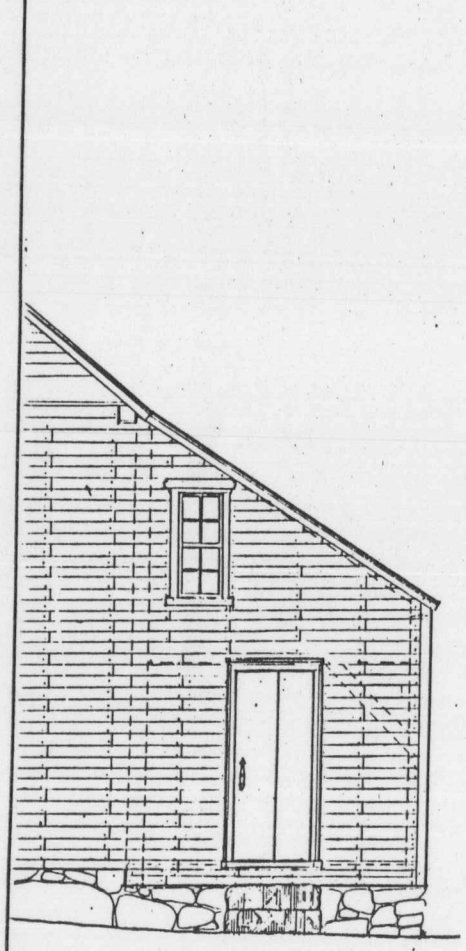
EXISTING STRUCTURE - CPT. H.M. SMITH HOUSE

RESTORATION NOTES

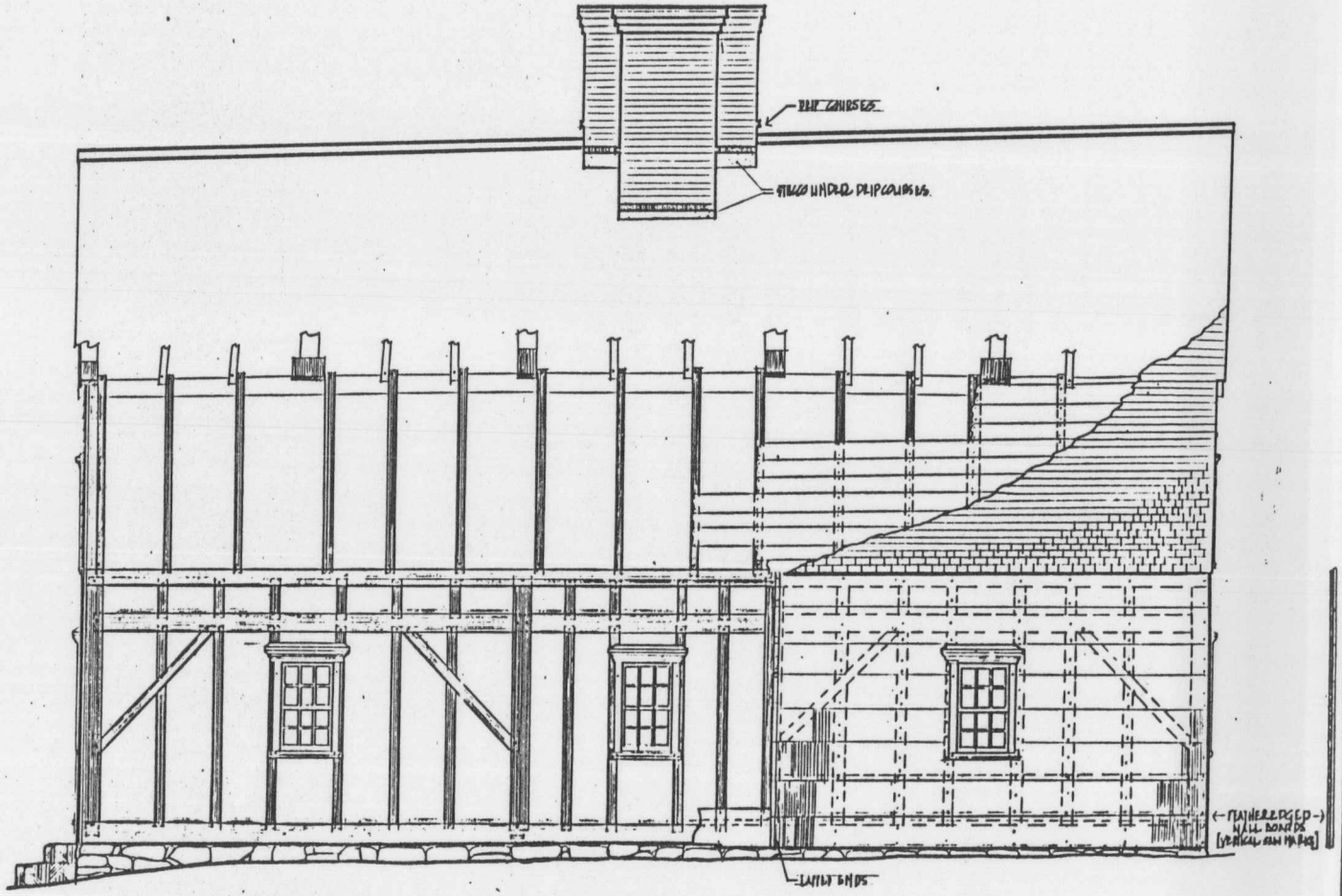
1. REBUILD CENTRAL CHIMNEY WITH KITCHEN LEAN-TO FLUE
2. NEW RAKE BDS WITH APPLIED MOLDING / CORNICE END BD / CORNER BDS
3. NEW BELT BOARD AT ATTIC FLOOR LEVEL
4. RETAIN CIRCA WINDOW FRAME ON SECOND FLOOR IN WEST CHAMBER / NEW SASH
5. BUILD FOUR NEW WINDOW FRAMES / NEW SASH W/ ANTIQUE GLASS
6. BUILD NEW LEAN-TO (CAN USE MODERN FRAMING)
7. NEW HAND-RIVEN CLAPBDS. NAILED INTO STUDDING (MAKING PARTIALLY CONJECTURAL INGABLE ENDS)
8. REBUILD OR REPOINT EXISTING UNDERPINING

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

PREPARED	DRAWING NO.
EXISTING DESIGNED	D 66553 001
ON CARROLL DRAWN	PCTP PKG. — SHEET 10
CHECKED — DATE	— OF TD



EAST ELEVATION



NORTH ELEVATION

CONJECTURAL VIEW OF NORTH WALL: APRIL 19, 1775

RESTORATION NOTES

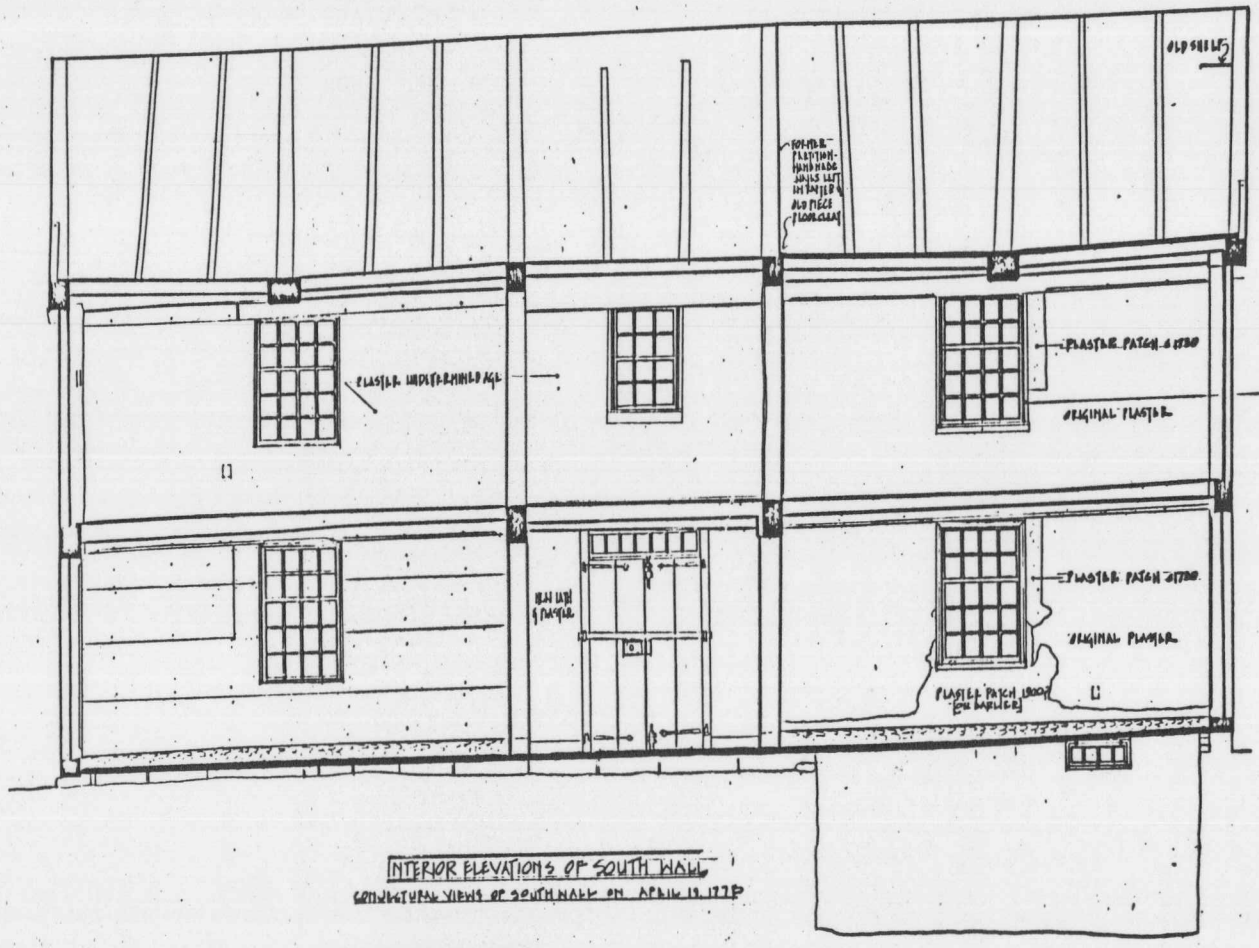
1. REBUILD CENTRAL CHIMNEY AND KITCHEN LEAN-TO FLUE
2. NEW WOOD SHINGLED ROOF/NEW RIDGE BDS/NEW RAKE BDS & MOLDING
3. BUILD NEW LEAN-TO [MODERN FRAMING CAN BE SUBSTITUTED FOR THAT SHOWN]
4. NEW WINDOW FRAMES/SASH
5. NEW DOOR/NEW HARDWARE
6. NEW FEATHER-EDGED WALL BOARDS W/LAPPED JOINTS NAILED OVER WALL SHEATHING
7. NEW UNDERPINNING UNDER LEAN-TO/NEW STONE STEPS
8. NEW CORNERBOARDS ON EAST & WEST WALLS ONLY
9. INSULATE EXPOSED WALLS

EXISTING STRUCTURE - CPT. HM. SMITH HOUSE - RECONSTRUCT LEAN-TO

0 1 2 3 4 5'

SCALE 1/2" = 1'-0"

PREPARED	DRAWING NO.
HISTORIC DESIGNED	DAC553 001
ON CARROLL DRAWN	RCHP PKG.
CHECKED DEC 1984 DATE	SHEET 7 OF 19



INTERIOR ELEVATIONS OF SOUTH WALL

CONNECTICUT VIEWS OF SOUTH WALL ON APRIL 19, 1775

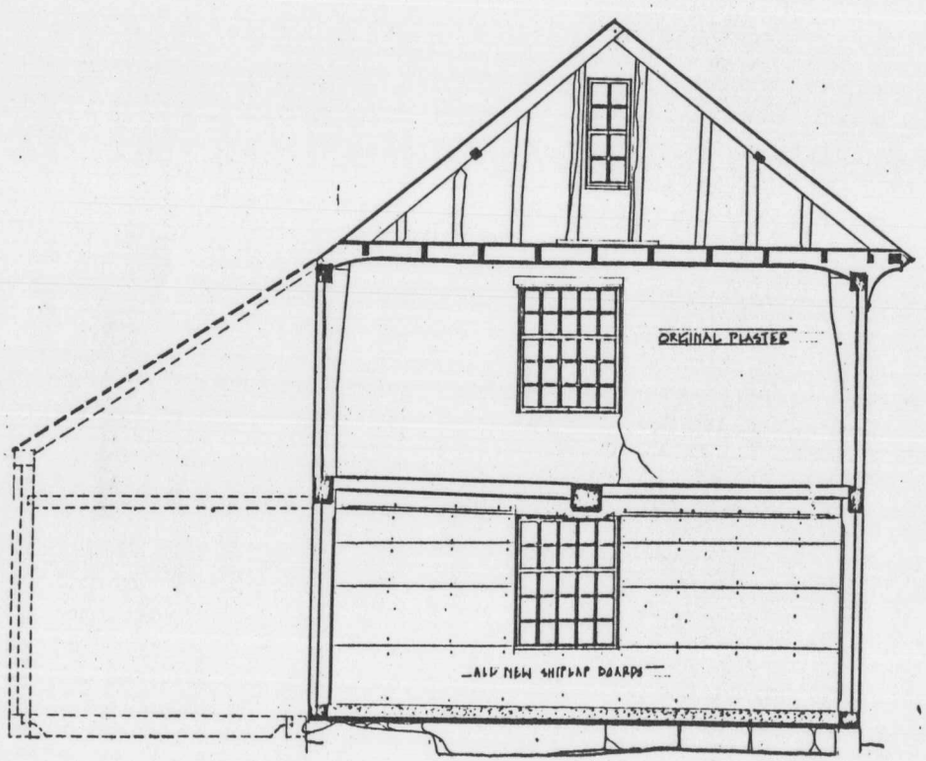
RESTORATION NOTES

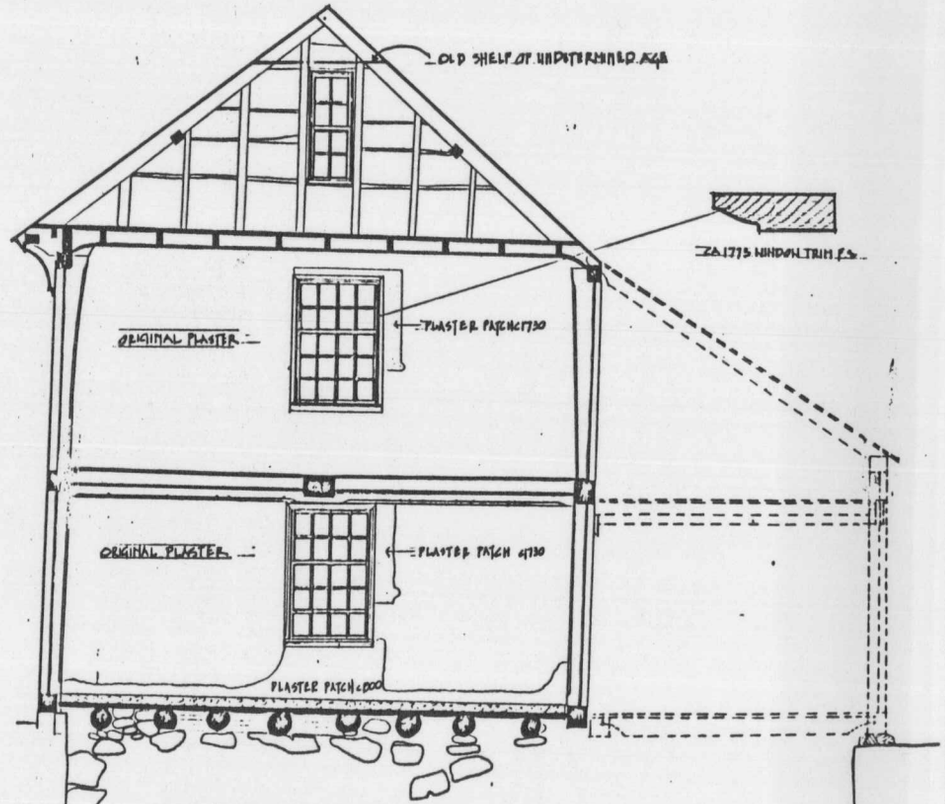
1. INSTALL NEW WINDOW FRAMES ON FIRST FLOOR AND CELLAR
2. INSTALL NEW SASH & SASH TRIM THROUGHOUT 1ST FLOOR
3. BUILD NEW DOOR OPENING/NEW DOOR/NEW HARDWARE
4. INSTALL NEW WAINSCOT IN EAST PARLOR
5. REPLACE MISSING SILL AT CHIMNEY BAY
6. REPAIR PLASTER BELOW/BEHIND WALL OF HALL. ADD NEW BASE BOARD
7. CUT BACK NEW SILL IN HALLWAY TO MATCH LENGTH OF OLD FLOORBOARDS
8. REPAIR PLASTER WHERE NEEDED

EXISTING STRUCTURE = CPT. WM. SMITH HOUSE

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

PREPARED	DRAWING NO.
HISTORIC AMERICA DESIGNED	D06353 001
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DATE	OF 13





EAST WALLS IN EAST CHAMBER/PARLOR

WEST WALLS IN WEST CHAMBER/PARLOR/CELLAR

CONJECTURAL VIEWS OF INTERIOR END WALLS IN E-W CHAMBERS/E-W PARLORS APRIL 19 1775

RESTORATION NOTES

1 BUILD NEW WINDOW FRAMES & SASH IN ATTIC
2 RETAIN WINDOW FRAMES OF C1810 ON SECOND FLOOR/NEW SASH & TRIM
3 BUILD NEW WINDOW FRAMES ON FIRST FLOOR/NEW SASH & TRIM
4 INSTALL NEW WAINSCOT ON WALLS IN EAST PARLOR
5 BUILD NEW FLOOR IN EAST PARLOR
6 CONSOLIDATE DETERIORATED CORNER POSTS
7 REINFORCED LOG JOISTS IN WEST PARLOR

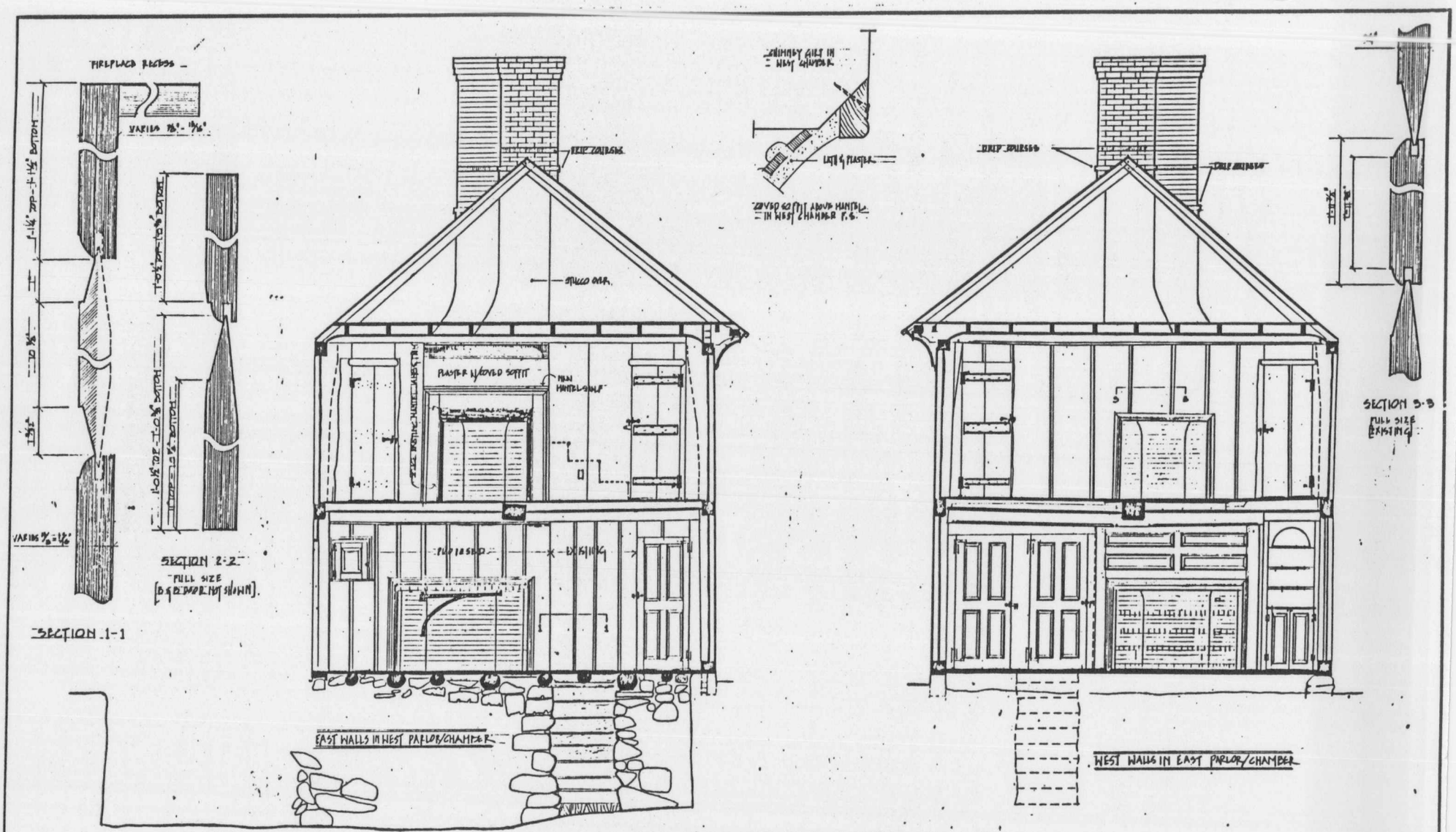
EXISTING STRUCTURE: ZPT. WILSON HOUSE

0' 1' 2' 3' 4' 5'

SCALE 1/2"=1'-0"

PREPARED EXISTING DESIGNED OH CARROLL
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CHECKED
DATE

DRAWING NO. D06533 C01
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SHEET 9 OF 19



CONJECTURAL VIEWS OF EAST WALL IN WEST CHAMBER/PARLOR. APRIL 13, 1770

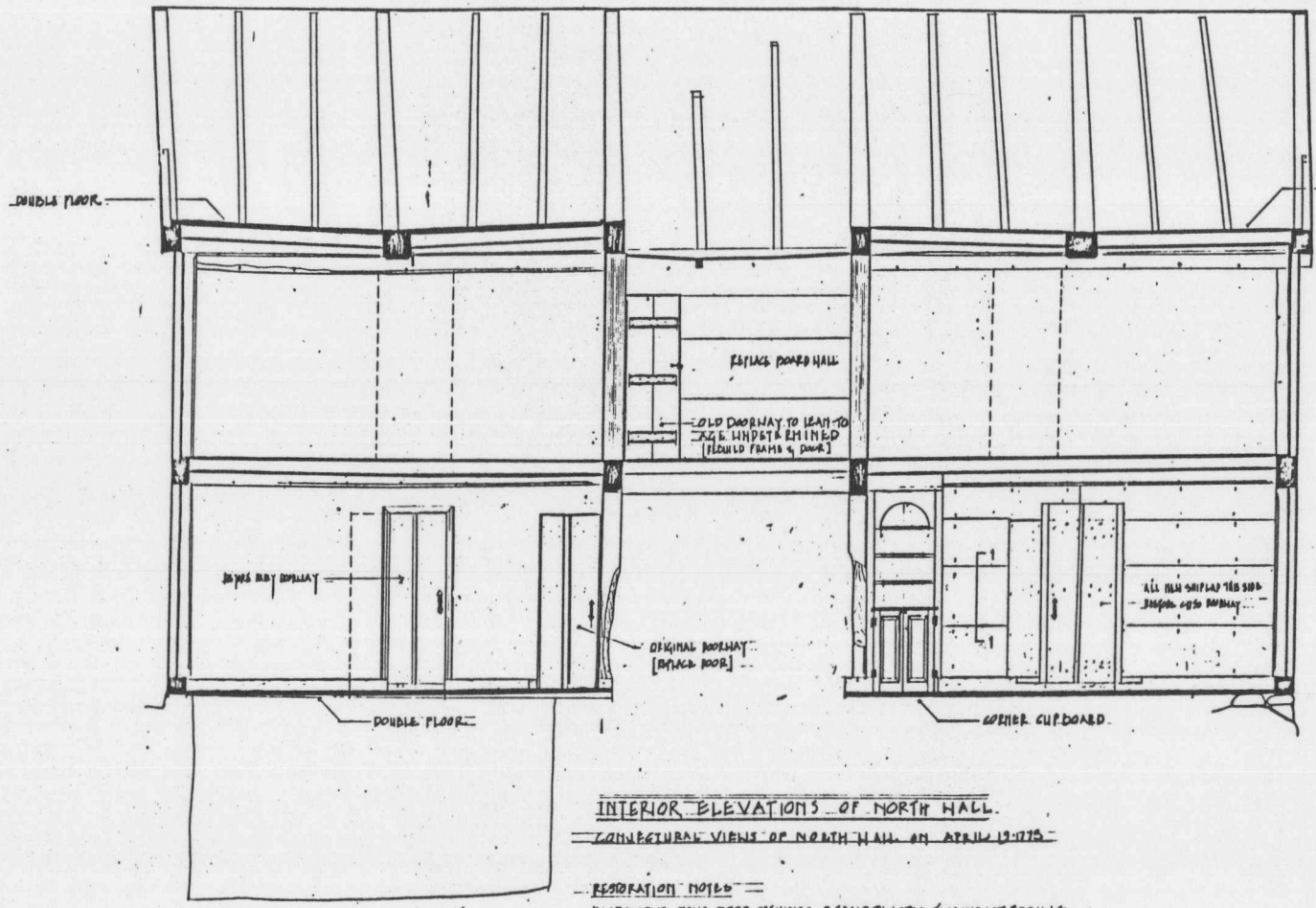
EXISTING STRUCTURE = CPT. WM. SMITH HOUSE

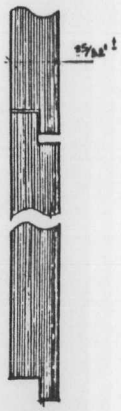
RESTORATION NOTES

1. REPAIR DOOR OPENINGS/REUSE EXISTING OLD DOOR IN WEST PARLOR
2. BUILD NEW PANELED DOORS/NEW HARDWARE
3. BUILD NEW PANELING/SPLAYED JAMBS INSIDE FIREPLACES OF EXISTING NEW BOLECTION SURROUND IN E. CHAMBER
4. REHAB CELLAR STEPS
5. REINFORCE LOG JOISTS SUPPORTING FIRST FLOOR/CONSOLIDATE LOGS
6. REMOVE FINISH FLOOR IN WEST PARLOR & REPLACE W/WIDE TAPERED PINE BDS.
7. BUILD NEW CORNER CUPBOARD IN EAST PARLOR

0 1' 2' 3' 4' 5'
SCALE 1/2"=1'-0"

PREPARED BY DING DESIGNED O'NEAL DRAWN CHECKED FACTOR DATE	DRAWING NO. D 06533 001
RCHP PROJ.	SHEET 10 OF 19





SECTION 1-1
FULL SIZE
TAPER SHIPLAP BOARDS

INTERIOR ELEVATIONS OF NORTH WALL.

CONJECTURAL VIEWS OF NORTH WALL ON APRIL 19 1775

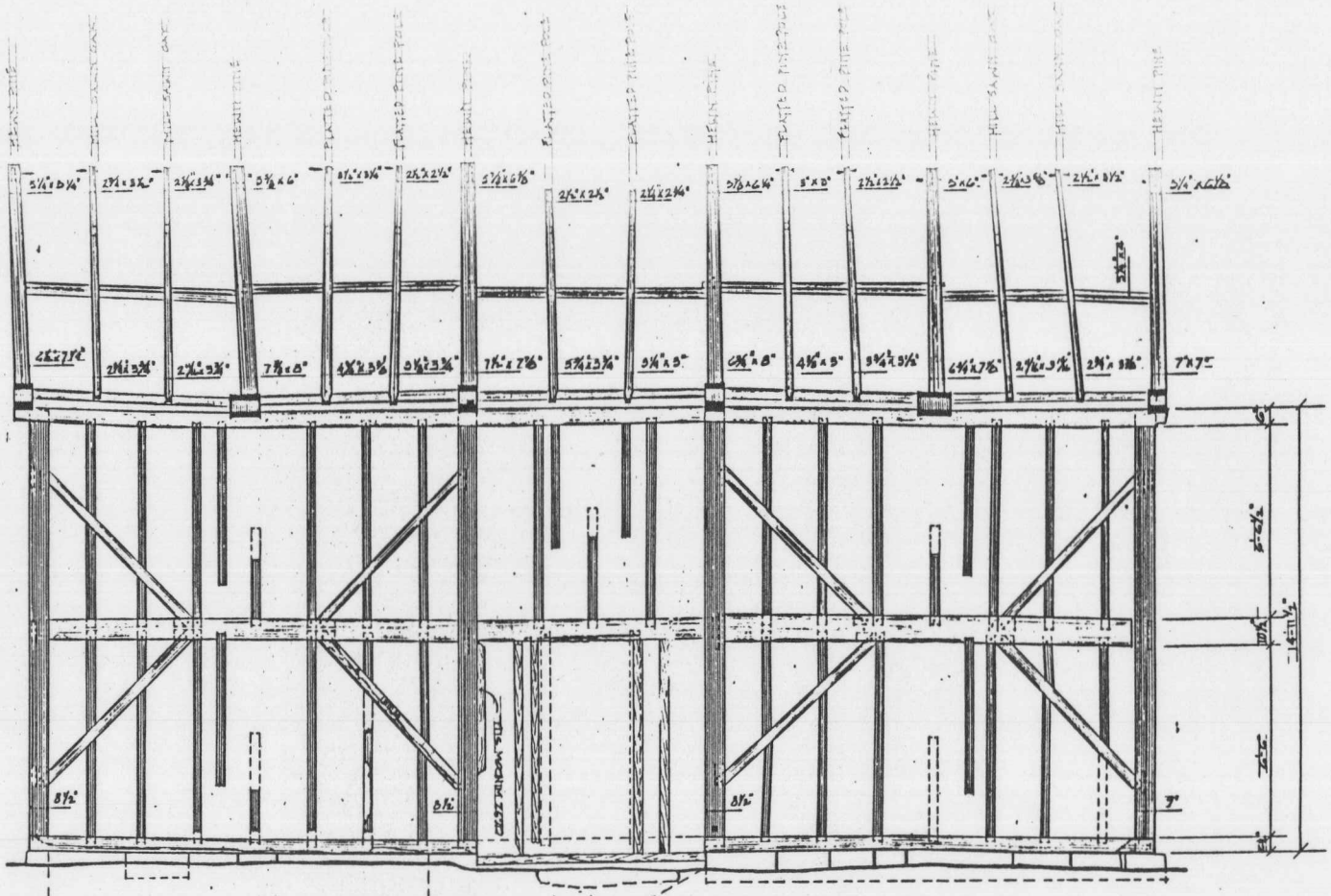
RESTORATION NOTES

1. REMOVE FOUR DOOR OPENINGS - REPAIR PLASTER / WAINSCOT & SILLS
2. RESTORE THREE ORIGINAL DOOR OPENINGS / NEW DOORS / NEW HARDWARE
3. REPLACE MISSING WAINSCOT IN EAST PARLOR & CHIMNEY BAY
4. REBUILD FLOOR IN EAST PARLOR / FINISH FLOOR TO BE WIDE TAPERED PINE BDS.
5. REPLACE FINISH FLOOR IN WEST PARLOR WITH WIDE TAPERED PINE BDS.
6. REPLACE MISSING STONES OF UNDERPINING
7. REBUILD CORNER CUPBOARD IN EAST PARLOR

EXISTING STRUCTURE - CPT. WM. SMITH HOUSE

0 1' 2' 3' 4' 8'
SCALE 1/2" = 1'-0"

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SOUTH ELEVATION

VIEW SHOWING LOCATION OF ORIGINAL FRAMING MEMBERS

RESTORATION NOTES

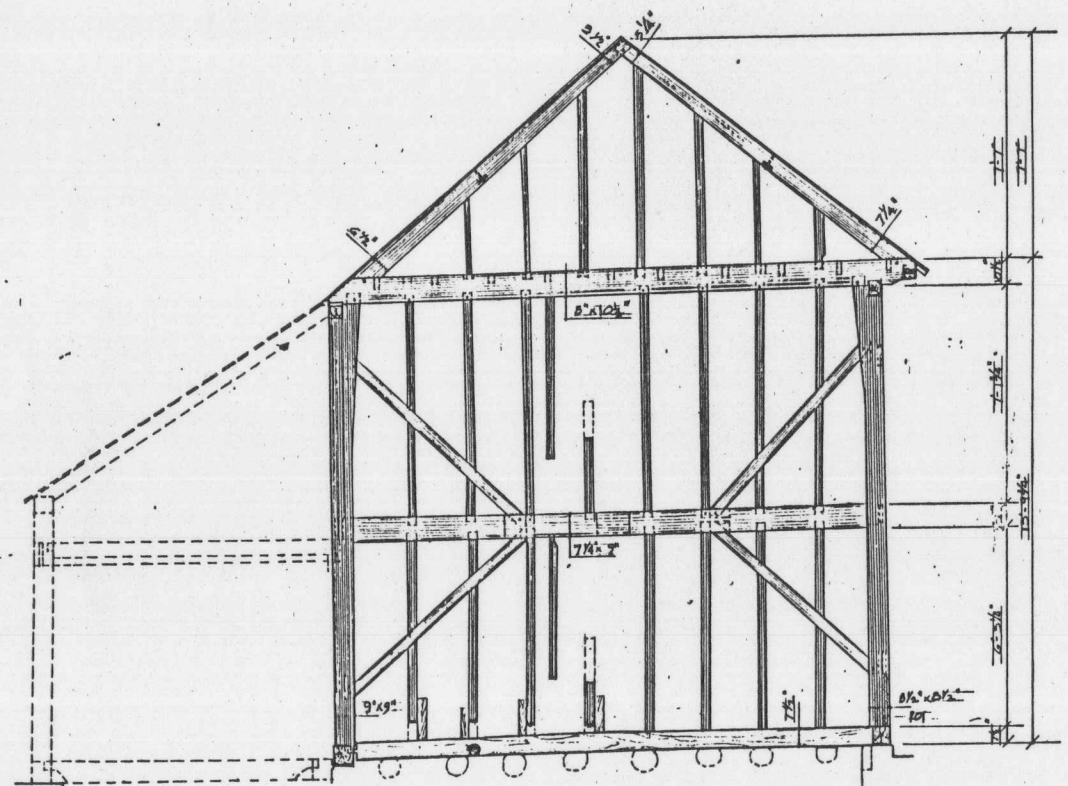
1. REPLACE MISSING MEMBERS SHOWN IN DOTTED LINES
2. STABILIZE ROTTED AREAS IN SILLS, POSTS & STUDDING
3. REPLACE UNDERPINNING WHERE MISSING IN CHIMNEY BAY
4. SHIFT STUDDING OF CASED OPENING TO ORIGINAL LOCATION AT DOORWAY

0 1' 2' 3' 4' 5'

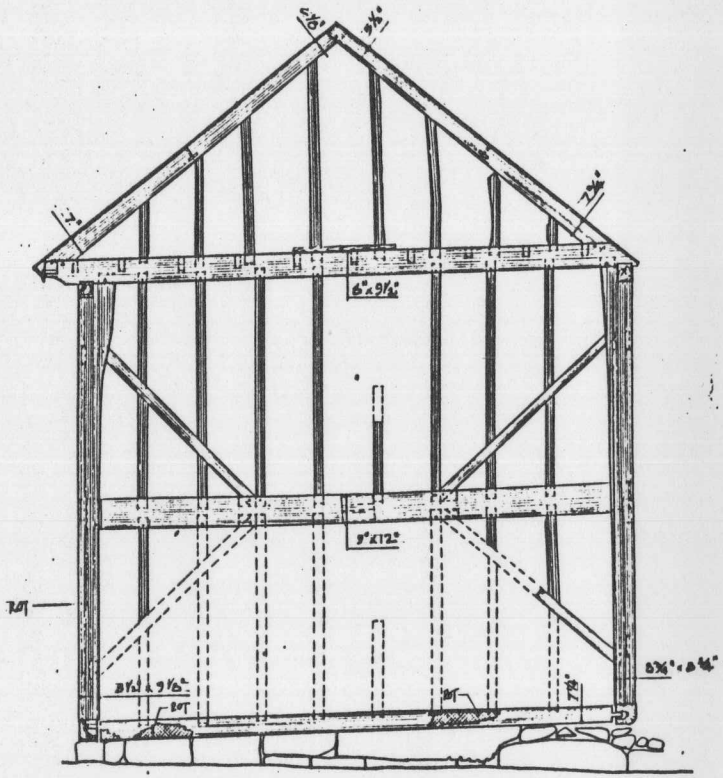
SCALE ½"=1'-0"

EXISTING STRUCTURE - ZEKIEL SMITH HOUSE

PREPARED DRAWING DESIGNED O'NEAL CARROLL DRAWN	DRAWING NO. DC553 001
CHECKED DEC 1981 DATE	PCIP PROJ. — SHEET 12 OF 19



WEST ELEVATION



EAST ELEVATION

MAP SHOWING LOCATION OF ORIGINAL FRAMING MEMBERS

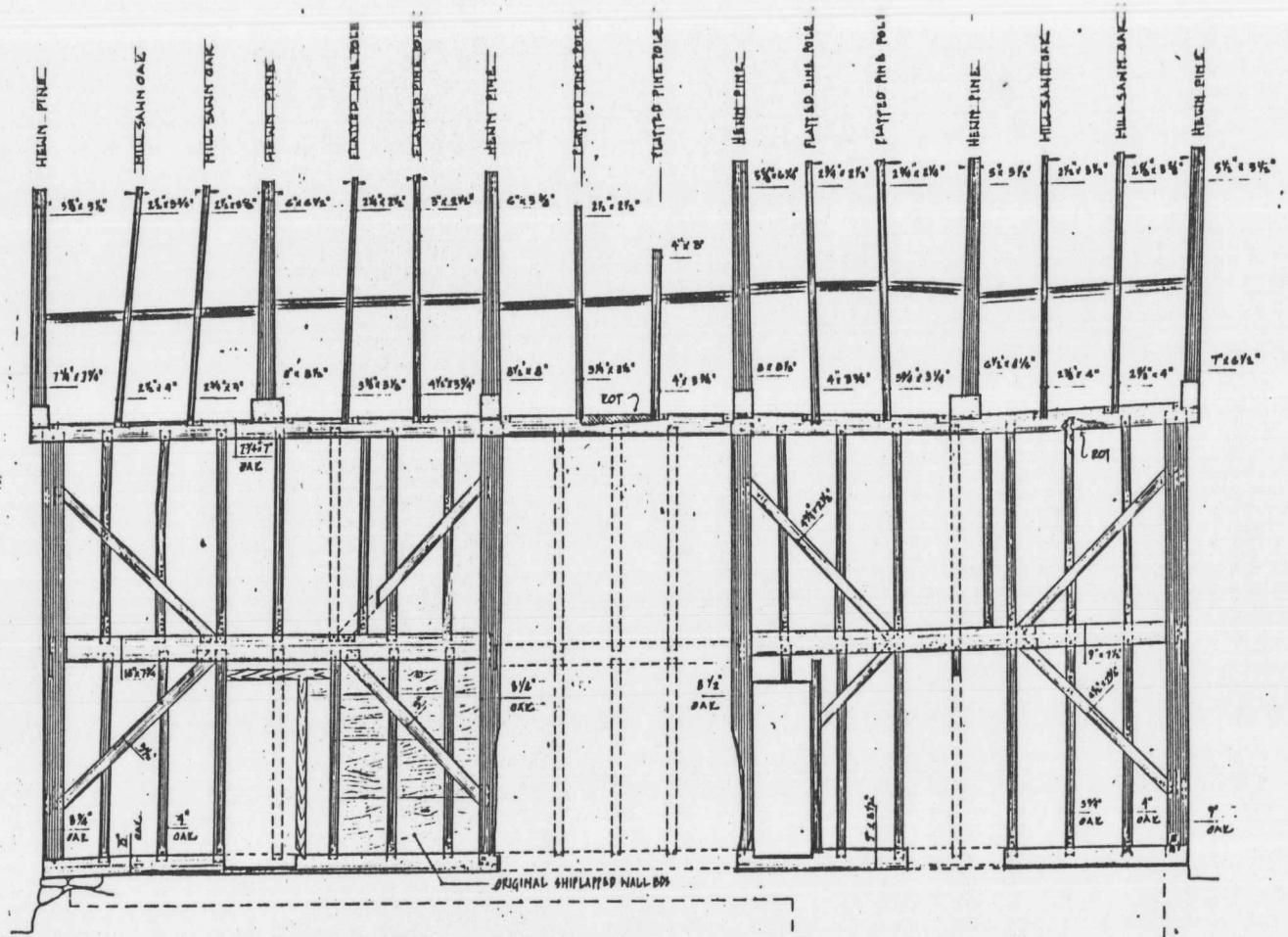
RESTORATION NOTES

1. REPLACE MISSING MEMBERS SHOWN IN DOTTED LINES
2. STABILIZE ROTTED AREAS IN SILL AND POSTS (EXCEPT WINDOW OPENINGS)

EXISTING STRUCTURE - PRES. WM SMITH HOUSE

0 1' 2' 3' 4' 5'
SCALE ½" = 1'-0"

PREPARED EXISTING DESIGNED OW CAE ROLL DRAWN CHECKED RJC 1/01 DATE	DRAWING NO. D-06553 001
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NORTH ELEVATION

VIEW SHOWING LOCATION OF ORIGINAL FRAMING MEMBERS



CATTLE SHEDS ADDED TO EITHER SIDE OF ROOF

ROOF PLAN
NO SCALE

EXISTING STRUCTURE = CPT. WM. SMITH HOUSE

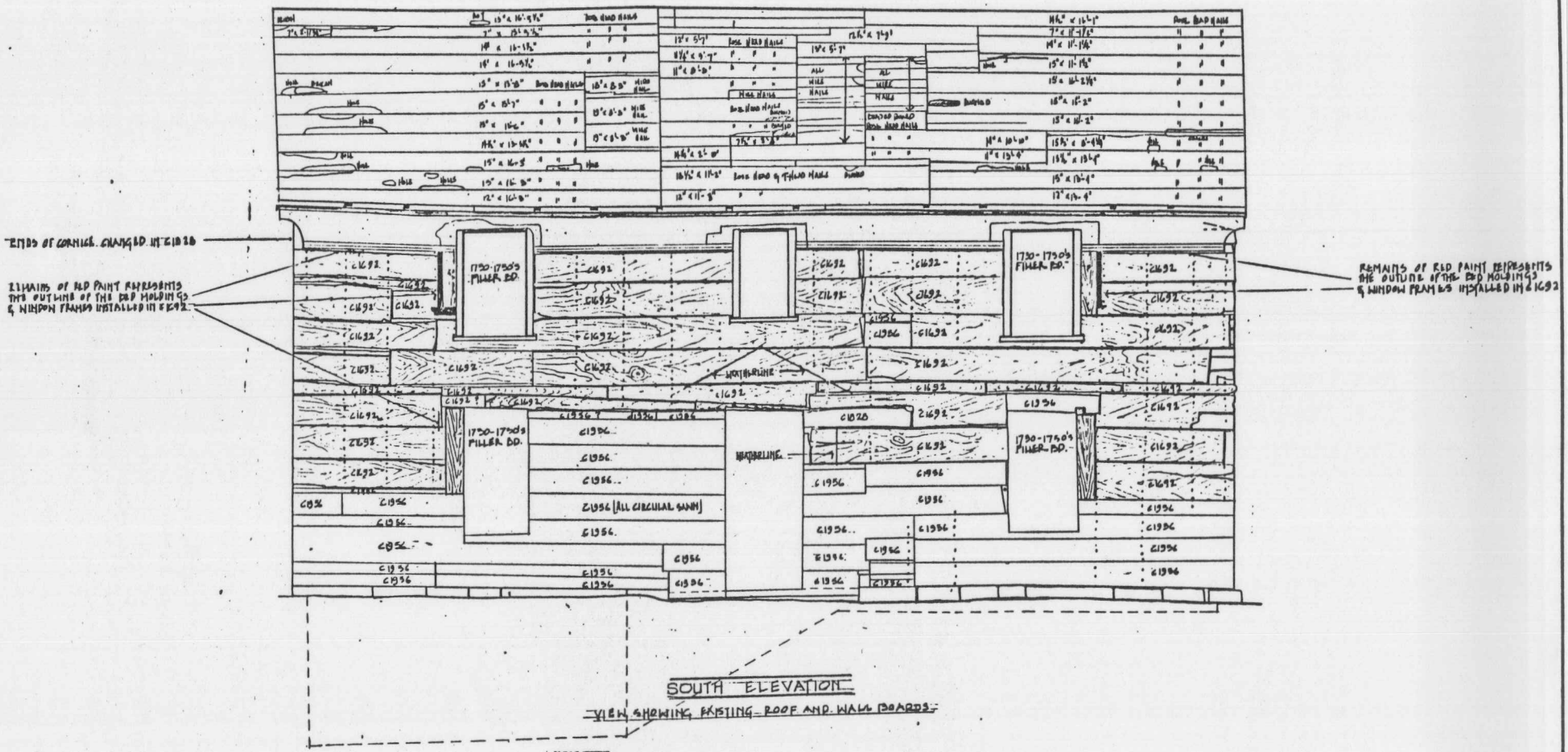
RESTORATION NOTES

1. REPLACE MISSING MEMBERS SHOWN IN DOTTED LINES
2. STABILIZE ROTTED AREAS IN PLATE & STUDDING
3. STABILIZE UNDERPINNING ALONG NORTH WALL

0' 1' 2' 3' 4' 5'

SCALE ½" = 1'-0"

PREPARED EXISTING DESIGNED O.W. CARROLL DRAWN CHECKED DATE	DRAWING NO D02553 331
PCHP PKG	SHEET 14 OF 19



SOUTH ELEVATION

VIEW SHOWING EXISTING ROOF AND WALL BOARDS

NOTES

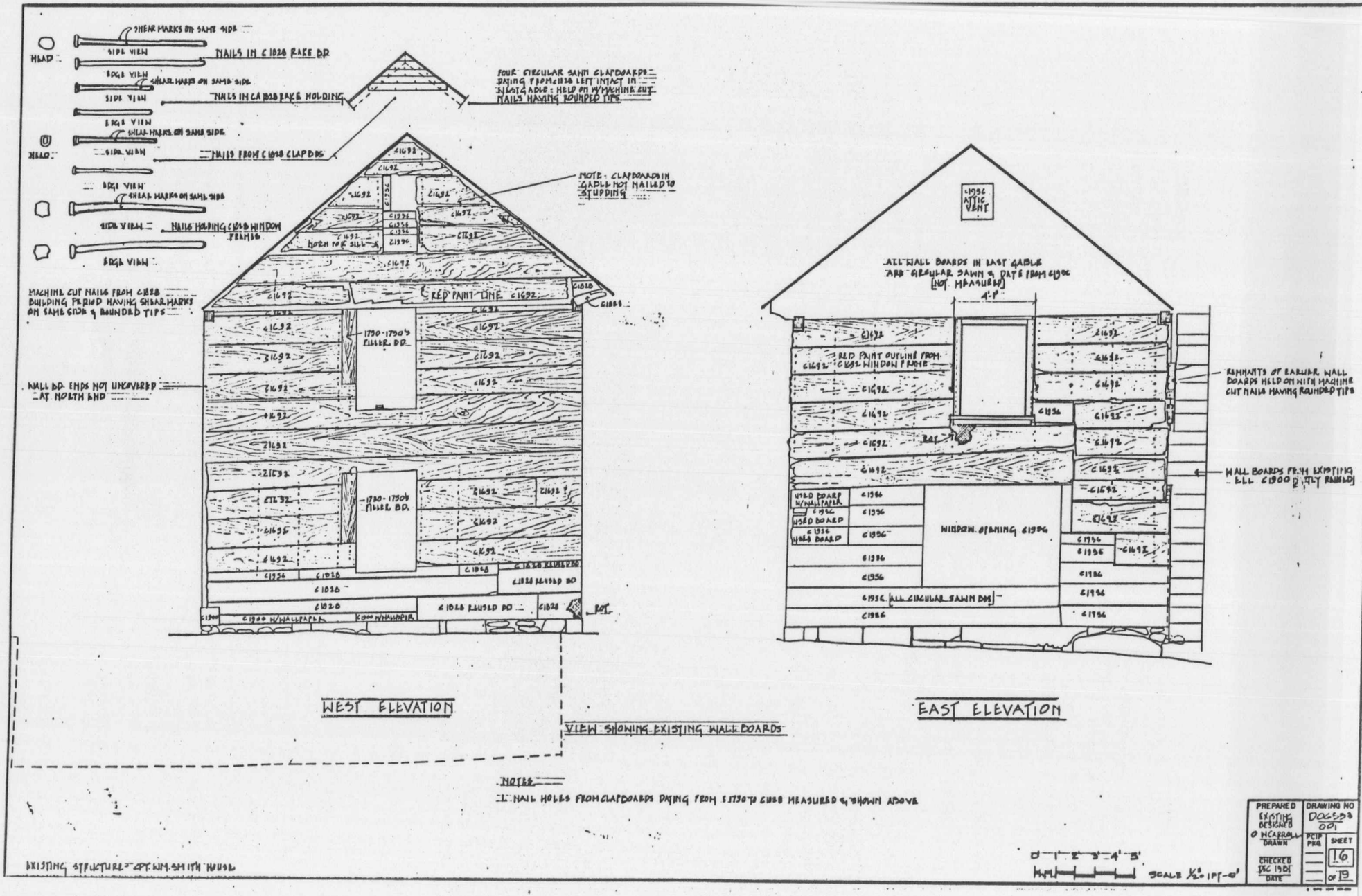
1. NAIL HOLES FROM CLAPBDS DATING FROM C1730 TO C1828 MEASURED & SHOWN ABOVE
2. OUTLINE OF PROMINENT ABOVE DOOR OPENING CAUSED BY WEATHERING
3. C1828 WINDOW FRAMES ON SECOND FLOOR LEFT IN PLACE
4. RED IRON OXIDE PAINT APPLIED AS A PRIMER TO C1692 CORNICE MEMBERS & WINDOW FRAMES AFTER THESE FEATURES WERE NAILED IN PLACE
5. ROT DAMAGED MEMBERS REMOVED. AFTER NEW CLAPBDS ARE ENDED

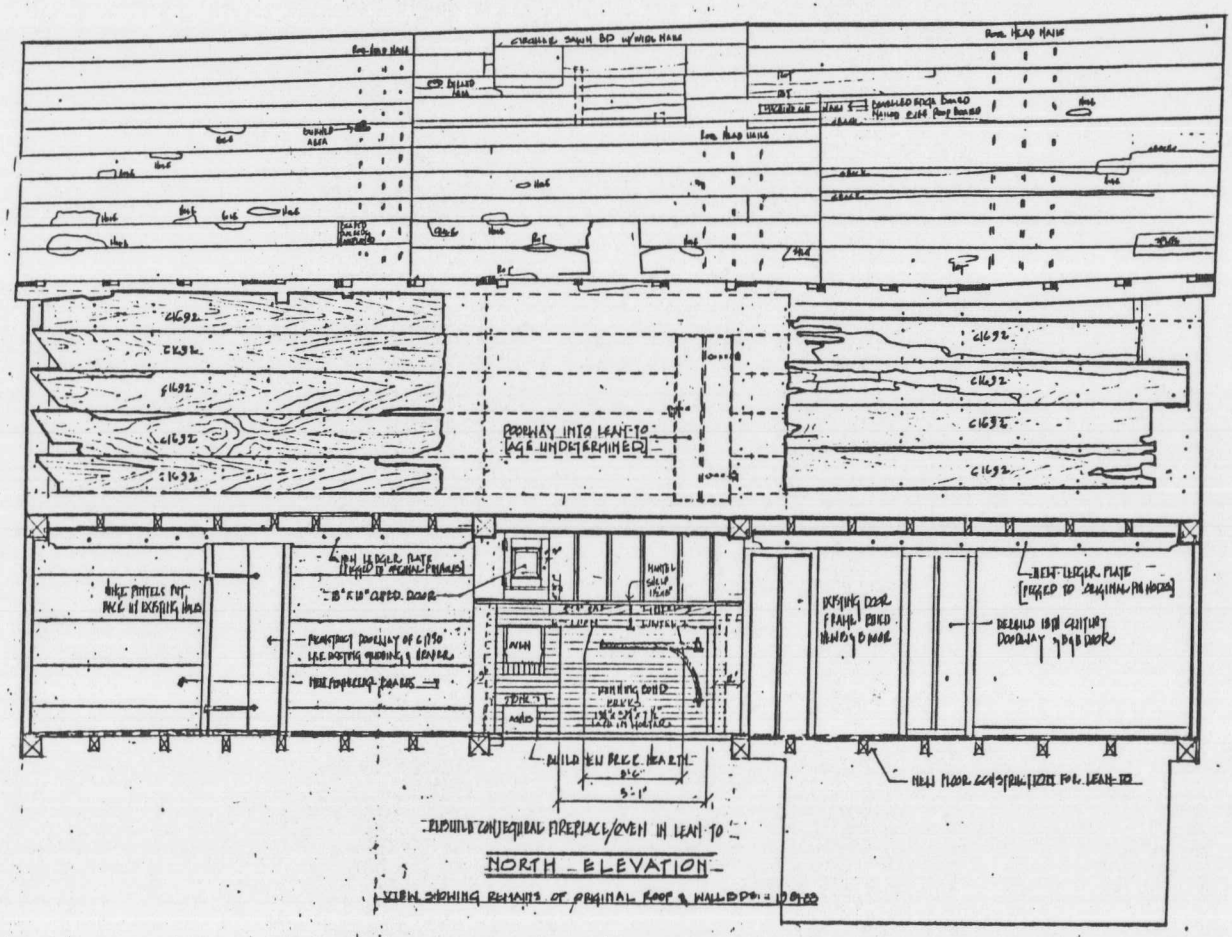
D L 2 3. A 5

SCALE ½"=1'-0"

EXISTING STRUCTURE - CPT. HH. SMITH HOUSE

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DESIGNED	001
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CHECKED	SHEET
DEC 1981	15
DATE	OF 19


SHEAR MARKS ON SAME SIDE
HEAD
SIDE VIEW
NAILS IN C1028 RAKE BD
EDGE VIEW
SHEAR MARKS ON SAME SIDE
SIDE VIEW
NAILS IN CA 1028 RAKE MOLDING
EDGE VIEW
SHEAR MARKS ON SAME SIDE
SIDE VIEW
NAILS FROM C1028 CLAPBDS
EDGE VIEW
SHEAR MARKS ON SAME SIDE
SIDE VIEW
NAILS HOLDING C1928 WINDOW FRAMES
EDGE VIEW
MACHINE CUT NAILS FROM C1928 BUILDING PERIOD HAVING SHEAR MARKS ON SAME SIDE & ROUNDED TIPS
WALL BD. ENDS NOT UNCOVERED AT NORTH END
FOUR CIRCULAR SAWN CLAPBOARDS DATING FROM C1928 LEFT INTACT IN NW GABLE: HELD ON W/MACHINE CUT NAILS HAVING ROUNDED TIPS
NOTE - CLAPBOARDS IN GABLE NOT NAILED TO STUDDING
NORTH TOE SILL
RED PAINT LINE C1692
1730-1790's FILLER BD.
1780-1790's FILLER BD.
C1928 REUSED BD
C1928 W/HALFPATCH
C1928 W/HALFPATCH
C1928
ROT
WEST ELEVATION
C1936 ATTIC VENT
ALL WALL BOARDS IN EAST GABLE ARE CIRCULAR SAWN & DATE FROM C1900 (NOT MEASURED)
4'-0"
RED PAINT OUTLINE FROM C1692 WINDOW FRAME
REMNANTS OF EARLIER WALL BOARDS HELD ON WITH MACHINE CUT NAILS HAVING ROUNDED TIPS
WALL BOARDS FROM EXISTING ELL C1900 (SLIT SAWED)
USED BOARD W/HALFPATCH
USED BOARD
USED BOARD
WINDOW OPENING C1936
ALL CIRCULAR SAWN BDS
EAST ELEVATION
VIEW SHOWING EXISTING WALL BOARDS
NOTES
1. NAIL HOLES FROM CLAPBOARDS DATING FROM C1730'S TO C1928 MEASURED & SHOWN ABOVE
EXISTING STRUCTURE - CAPT. WM. SMITH HOUSE
0 1' 2' 3' 4' 5'
SCALE 1/2" = 1'-0"
PREPARED
EXISTING DESIGNED
O'NEARBALL DRAWN
CHECKED DEC 1981 DATE
DRAWING NO
DOCS 003
001
RCHP PKG
SHEET
16
OF 19



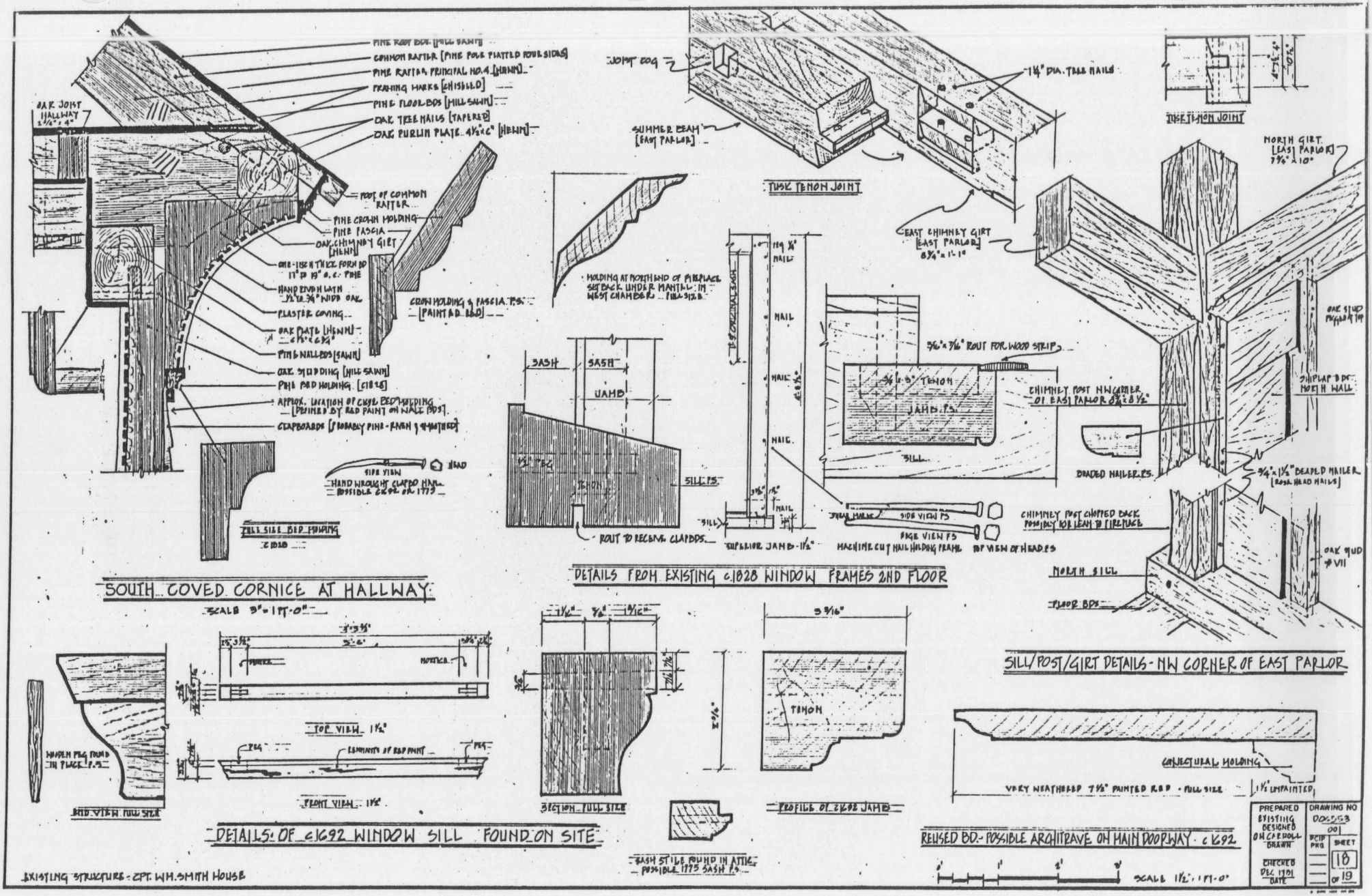
NOTES

1. MINE ORIGINAL WALL BOARDS REMOVED FROM ROOF OF EAST ELL & REPLACED IN 1968.
2. DOTTED LINES REPRESENT FABRIC THAT NO LONGER EXISTS.
3. DESIGN OF LEAN-TO KITCHEN IS PARTLY CONJECTURAL.
4. ROOF BOARDS HEIGHER AT ELL ASPHALT SHINGLES WERE REMOVED IN 1985. [MAIN ROOF].

EXISTING STRUCTURE - 6 PT. HM. SMITH HOUSE

SCALE 1/2" = 1'-0"

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EXISTING DESIGNED O'N CARROLL	DOCSSB 001
DRAWN	PROJ PKG —
CHECKED DEC 1981	SHEET 17
DATE	OF 19

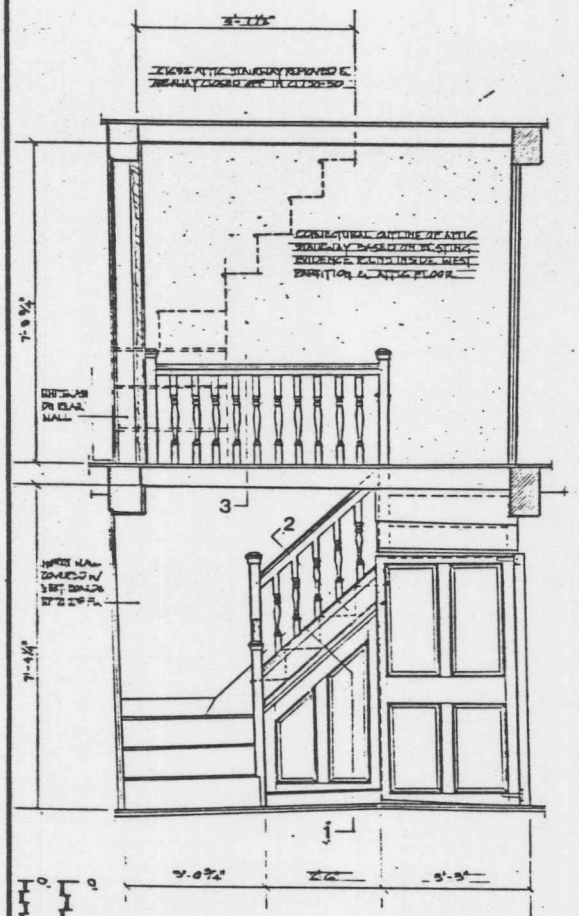

PINE ROOF BDS. [MILL SAWN]
COMMON RAFTER [PINE POLE PLATTED FOUR SIDES]
PINE RAFTER PRINCIPAL NO. 4 [HEWN]
FRAMING MARKS [CHISELLED]
PINE FLOOR BDS [MILL SAWN]
OAK TREE NAILS [TAPERED]
OAK PURLIN PLATE 4½"x6" [HEWN]
OAK JOIST HALLWAY 2¼" x 4"
FOOT OF COMMON RAFTER
PINE CROWN MOLDING
PINE FASCIA
OAK CHIMNEY GIRT [HEWN]
ONE-INCH THICK FURR BD 11" TO 13" O.C. PINE
HAND RIVEN LATH ½"x1½"x36" NIBB OAK
PLASTER COVING
OAK PLATE [HEWN] 6½"x6½"
PINE WALL BDS [SAWN]
OAK SLEEPING [MILL SAWN]
PINE BED MOLDING [C1828]
APPROX. LOCATION OF CHAIR BED MOLDING [PRIMED BY RED PAINT ON WALL BDS].
CLAPBOARDS [PROBABLY PINE - EVEN & WEATHERED]
CROWN MOLDING & FASCIA BDS [PAINTED RED]
SIDE VIEW
HEAD
HAND WROUGHT CLAPBD NAIL POSSIBLE EX BOS. OF 1775
FULL SIZE BED MOLDING
SOUTH COVED CORNICE AT HALLWAY
SCALE 3"=1FT.-0"
JOINT EDG
1¼" DIA. TREE NAILS
SUMMER BEAM [EAST PARLOR]
TUSK TENON JOINT
TUSK TENON JOINT
NORTH GIRT [EAST PARLOR] 7⅞" x 10"
EAST CHIMNEY GIRT [EAST PARLOR] 8¾" x 1'-1"
MOLDING AT NORTH END OF FIREPLACE SETBACK UNDER MANTEL IN WEST CHAMBER FULL SIZE
OAK SLAB PANELLING
SASH
SASH
JAMB
SILL FS
TENON
NAIL
NAIL
NAIL
NAIL
SILL
SUPERIOR JAMB 1½"
5/16" x 7/16" ROUT FOR WOOD STRIP
5/16" x 5" TENON
JAMB FS
SILL
CHIMNEY POST NW CORNER OF EAST PARLOR 8¾" x 8½"
BRACED NAILER ES
OAK SLAB PANELLING
SHIPLAP BDS NORTH WALL
¾" x 1½" BEADED NAILER [ROSE HEAD NAILS]
OAK POST
NORTH SILL
FLOOR BDS
DETAILS FROM EXISTING c.1828 WINDOW FRAMES 2ND FLOOR
SIDE VIEW FS
EDGE VIEW FS
MACHINE CUT NAIL HOLDING FRAME
END VIEW OF HEADER
CHIMNEY POST CHOPPED BACK POSSIBLY FOR LEAN TO FIREPLACE
SILL/POST/GIRT DETAILS - NW CORNER OF EAST PARLOR
MORTICE
TOP VIEW 1½"
REMNANTS OF RED PAINT
PEG
FRONT VIEW 1½"
WOODEN PEG FOUND IN PLACE F.S.
BED VIEW FULL SIZE
1½"
⅞"
⅝"
SECTION FULL SIZE
3 3/16"
TENON
PROFILE OF C1692 JAMB
DETAILS OF c1692 WINDOW SILL FOUND ON SITE
SASH STILE FOUND IN ATTIC POSSIBLE 1775 SASH FS
CONJECTURAL MOLDING
VERY WEATHERED 7½" PAINTED RED FULL SIZE
1½" UNPAINTED
REUSED BD. - POSSIBLE ARCHITRAVE ON MAIN DOORWAY c1692
SCALE 1½" = 1FT.-0"
EXISTING STRUCTURE - CPT. WM. SMITH HOUSE
PREPARED EXISTING DESIGNED ON CAD DRAWN
CHECKED DEC 1701 DATE
DRAWING NO 005553 001
SHEET 18 OF 19

EXISTING STRUCTURE - CPT. NH. SMITH HOUSE



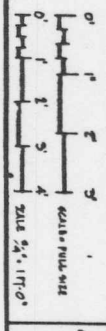
MOLDED OAK PIECE 3¼" LONG NAILED TO CURVED CEILING AT SECOND FLOOR FROM ORIGINAL 1692 STAIRWAY

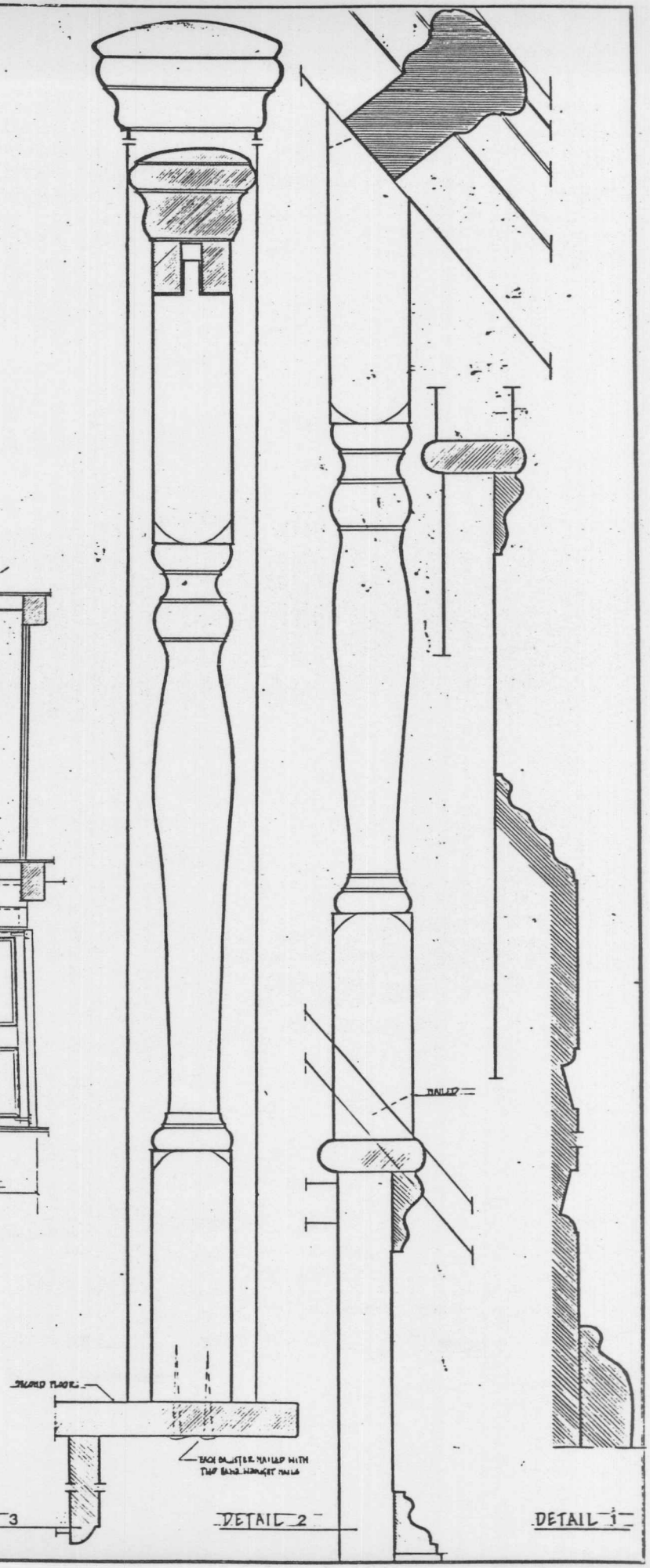
FULL SIZE



CENTRAL STAIRWAY

SCALE - ¾" = 1'-0"





PREPARED FOR SESSIONS OF HISTORICAL GUARD

CHECKED H. M. N. DATE

DRAWING NO. HABS MASS 19-PORT 12

MINUTE MAN
NATIONAL HISTORICAL PARK

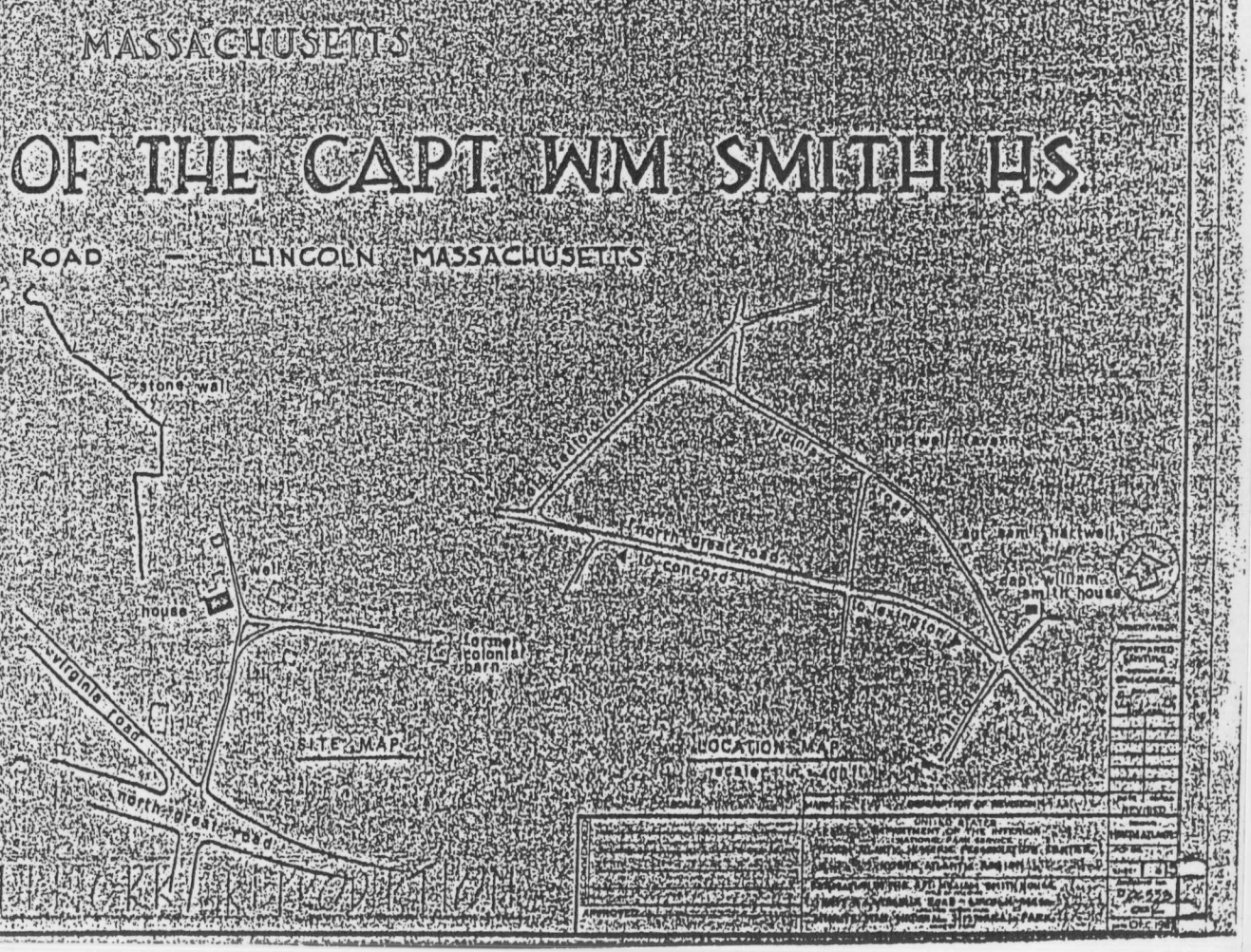
MASSACHUSETTS

RESTORATION OF THE CAPT. WM. SMITH HS

VIRGINIA ROAD — LINCOLN, MASSACHUSETTS



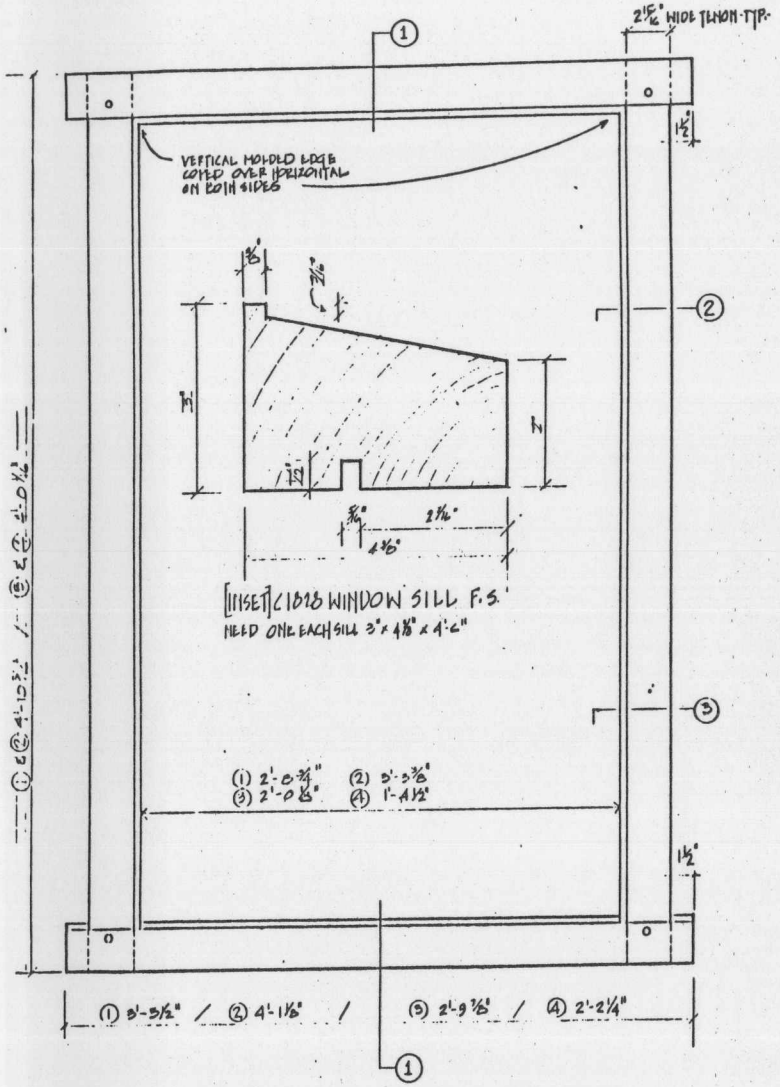
VICINITY MAP



BASIC DATA: EXISTING STRUCTURE - HABS DWGS. 1977 - HSR 1982

ELEVATION – EXTERIOR WINDOW FRAME [C1750-1828]

SCALE 3/4" = 1'-0"

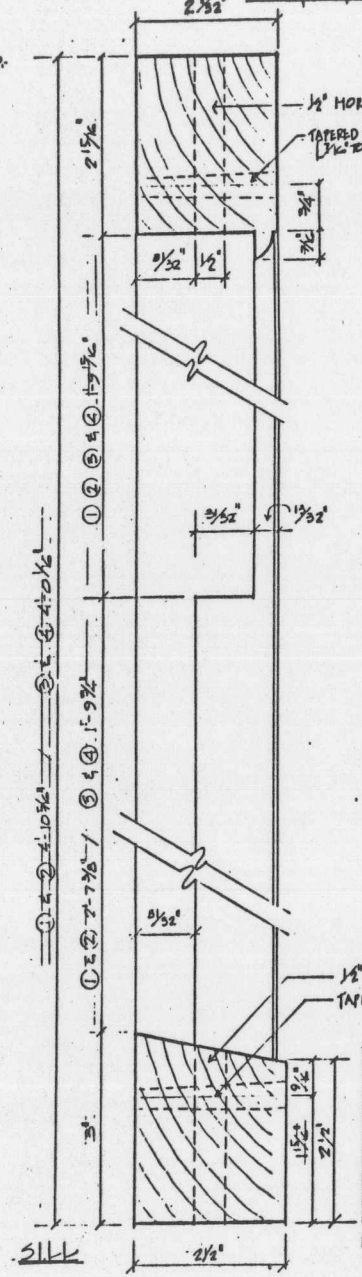


[INSET] C1828 WINDOW SILL F.S.

NEED ONE EACH SILL 3" x 4 1/8" x 4'-6"

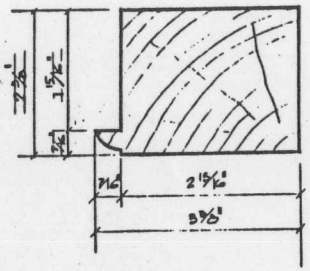
NOTE: THERE ARE FOUR SIZES OF THE ABOVE WINDOW FRAME - DIMENSIONAL CHANGES ARE DESIGNATED AS (1) (2) (3) & (4) ON DRAWINGS & SCHEDULE THIS SHEET. FRAMES (1) & (2) DIFFER IN WIDTH ONLY WHILE HAVING THE SAME LENGTH - FRAMES (3) & (4) DIFFER IN WIDTH ONLY WHILE HAVING THE SAME LENGTH

SECTION 1-1



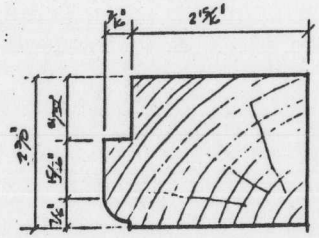
SECTION-2

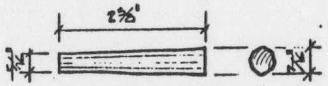
FULL SIZE



SECTION-3

FULL SIZE

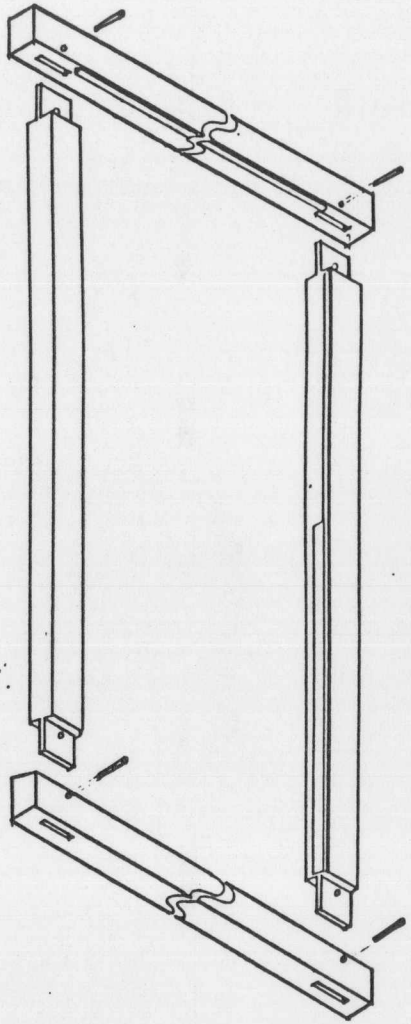




DETAIL / WOODEN DOWEL

FOR MORTICE & TENON JOINTS: KNIFE WHITTLE TO ABOVE DIMENSIONS - DRIVE FROM EXTERIOR FACE

ASSEMBLY



SCHEDULE: FOR WINDOW FRAMES

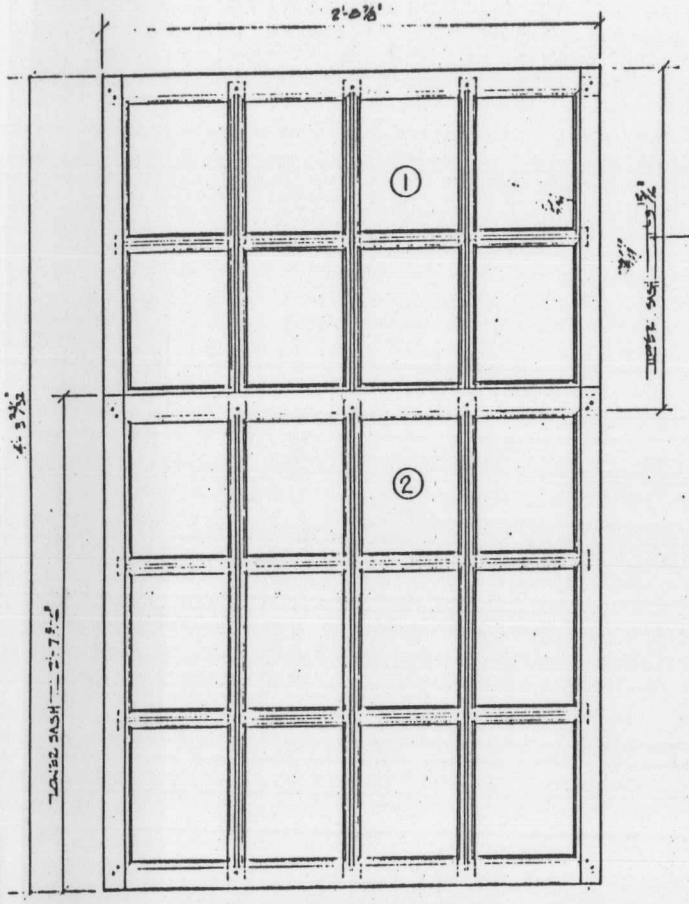
#	QUANTITY	SASH CONFIGURATION	DIMENSIONS WIDTH	DIMENSIONS HEIGHT
(1)	3	8 OVER 12 LIGHT	2'-5 1/2"	4'-10 1/2"
(2)	1	10 OVER 15 LIGHT	4'-1 1/8"	4'-10 1/2"
(3)	4	6 OVER 8 LIGHT	2'-9 7/8"	4'-0 1/2"
(4)	4	4 OVER 4 LIGHT	1'-2 1/4"	4'-0 1/2"
(5)	1	5 LIGHT		

NOTE: SEE SHEET NO. FOR SASH

0 3" 6" 9" 12"
0 1" 2" 3"
3/4"=1 FT.
FULL SIZE

PREPARED ON LIBRAL DESIGNED ONL.
DRAWN
CHECKED
DATE

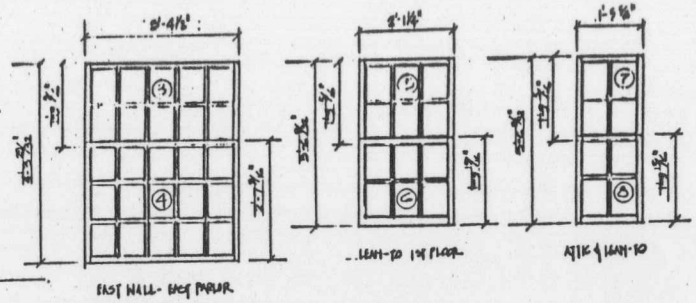
DRAWING NO. D-0C01B 002
PCIP PKG
SHEET 2 OF 15

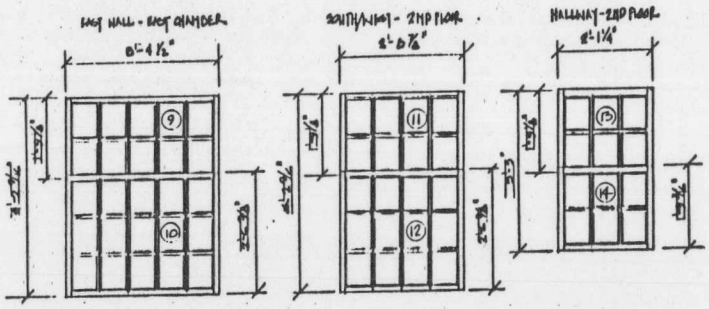


SASH ELEVATION

SOUTH/WEST WALLS FIRST FLOOR
SCALE 3"=1'-0"

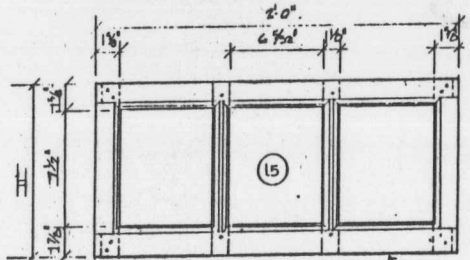
NOTE: FOR SASH JOINT DETAILS SEE SHEET NO. 4





SCHEDULE OF SASH

SYMBOL	QUANTITY	TYPE	NO. OF LIGHTS	OVERALL DIMENSIONS WIDTH	OVERALL DIMENSIONS HEIGHT	GLASS OPNG WIDTH 7 7/16"	GLASS OPNG HEIGHT 2'-9 6"	REMARKS
1	5	UPPER	6	2'-0⅜"	1'-9⅝"			NEW 1775 FRAMES
2	5	LOWER	12	2'-0⅜"	2'-7 9/16"			
3	1	UPPER	10	3'-4½"	1'-9 1/2"			
4	1	LOWER	15	3'-4½"	2'-7 9/16"			
5	4	UPPER	6	2'-1¼"	1'-5 7/16"		DO	DO
6	4	LOWER	6	2'-1¼"				
7	4	UPPER	4	1'-5 5/16"	DO			
8	4	LOWER	4	1'-5 5/16"		DO	↓	
9	1	UPPER	10	0'-4½"	1'-2 1/16"		0'-8 7/16"	WINDOW SILL FRAME
10	1	LOWER	20	3'-4½"	2'-6 7/8"			
11	3	UPPER	8	2'-0⅜"	1'-2 1/16"			
12	3	LOWER	12	2'-0⅜"	2'-6 1/8"		DO	DO
13	1	UPPER	6	2'-1⅛"	1'-2 1/16"			
14	1	LOWER	6	2'-1⅛"	1'-9 1/16"	↓	↓	
15	1	FIXED	2	2'-0"	11"	6 1/16"	0'-8 7/16"	CELLAR SASH

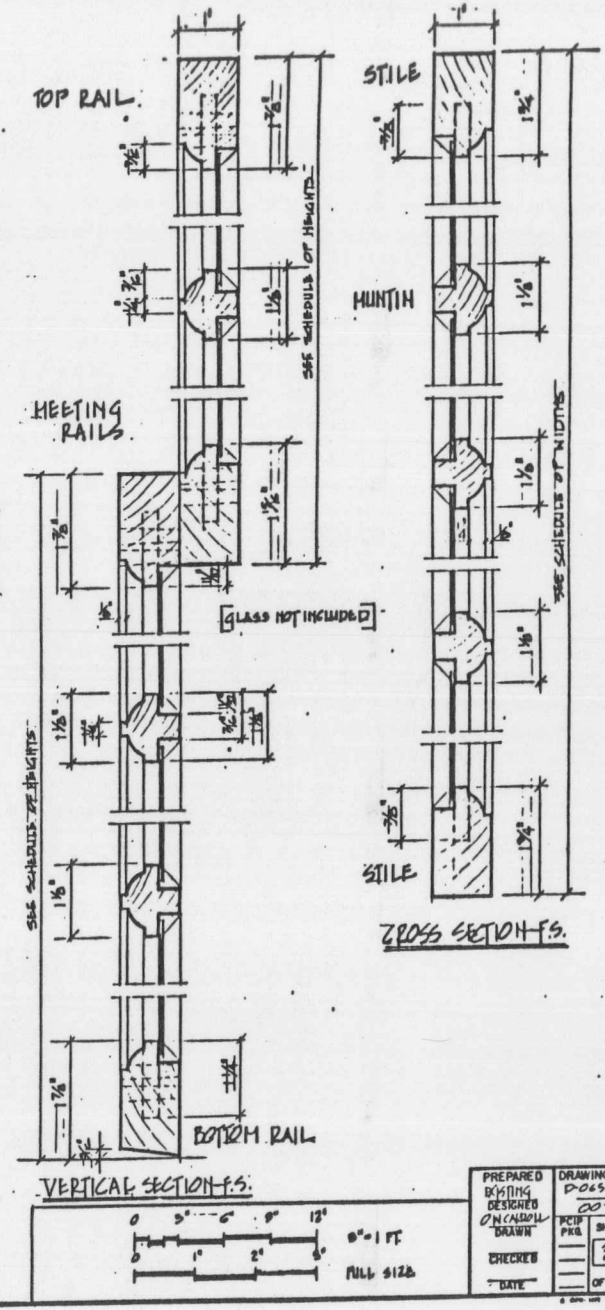


CELLAR
SCALE 3"=1'-0"

#19 1/2 G ALL EDGES SQUARE FOR TOP & BOTTOM RAILS ONLY

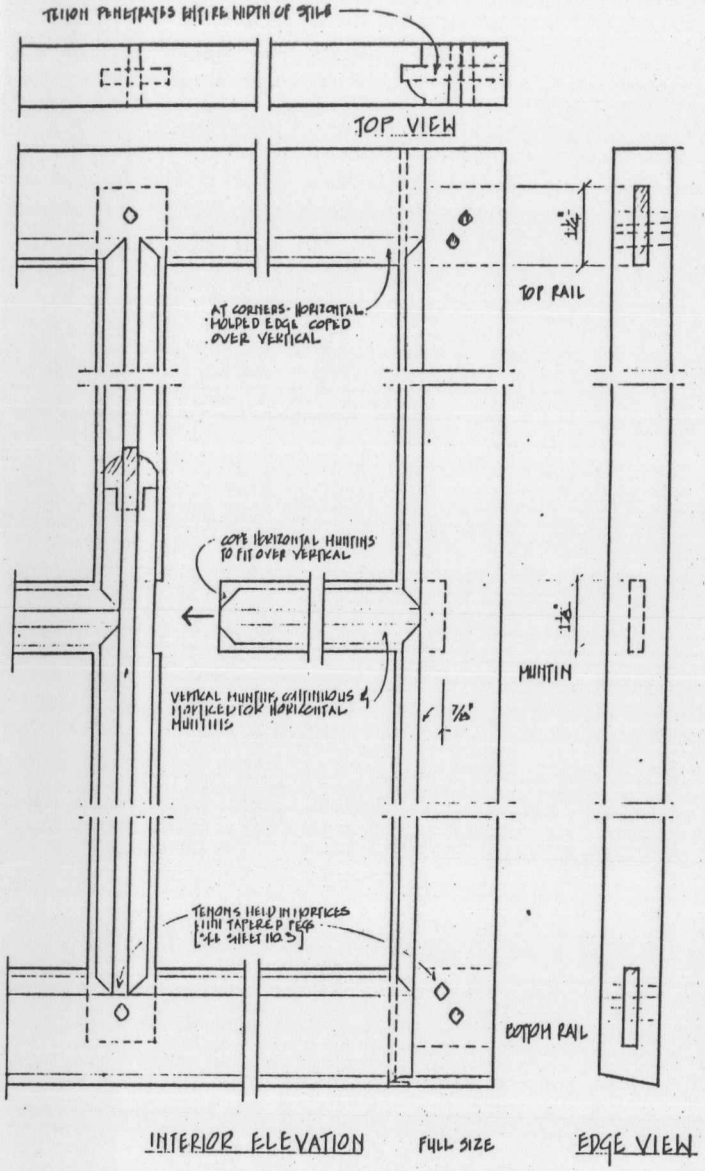


WOODEN DOWEL F.S.
FOR MORTICE & TENON JOINTS
SHAPE WITH KNIFE TO ABOVE SIZE & DRIVE INTO SLIGHTLY SMALLER DRILLED HOLE FROM THE INTERIOR FACE



PREPARED BY/DRAWN DESIGNED ON CADDELL
DRAWN
CHECKED
DATE

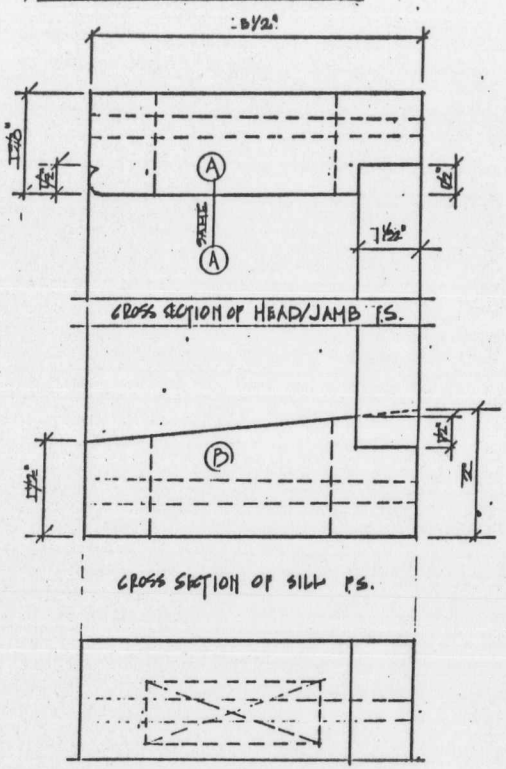
DRAWING NO. DOCSS3 002
PCTP PKG
SHEET 3 OF 15

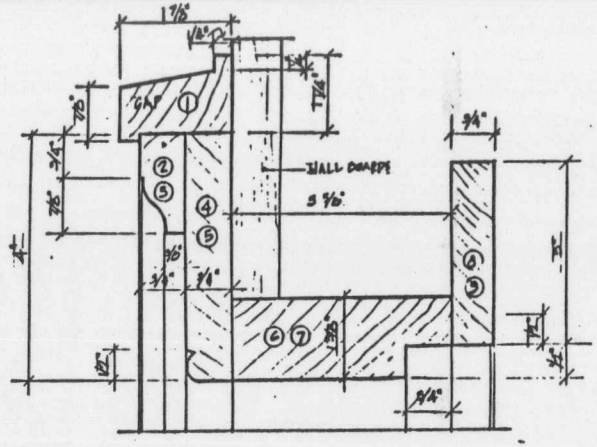


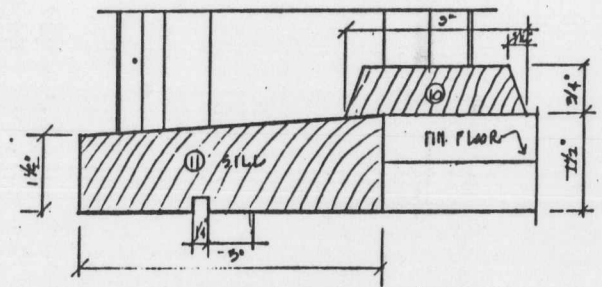
DETAILS OF SASH JOINTS

[TYPICAL FOR ALL DOUBLE HUNG SASH]

CELLAR WINDOW FRAME







SCHEDULE OF PCS. REQ'D FOR CELLAR FRAME

SYMBOL	No. OF PCES	OVERALL WIDTH	THICKNESS	LENGTH	EDGE TYPE	REMARKS
A	1	5½"	1⅝"	3'-6"	BEADED ONE EDGE ROUTED ONE EDGE	SYS
D	1	5½"	1½" TO 2"	3'-6"	TAPERED THICKNESS ROUTED ONE EDGE	SYS

NOTE: FABRICATION OF CELLAR FRAME NOT INCLUDED IN CONTRACT

SCHEDULE OF TRIM PCS REQUIRED FOR EAST DOOR OF KITCHEN LEAN-TO

SYMBOL	No. OF PCES	OVERALL WIDTH INCLUDE MILLED EDGES	THICKNESS	LENGTH	EDGE TYPE	REMARKS
1	1	1⅞" BOTH ENDS	TO-	¼"	4'-0"	OPPOSITE EDGES RABBETED	CAP SYS
2	1	¾"		¾"	2'-0"	ONE EDGE MOLDED	
3	1	1"		¾"	4'-0"		
4	1	1"		¾"	4'-0"		
5	1	3"		1½"	2'-6"	ONE EDGE RABBETED	JAMB SYS
6	1	3¼"		1½"	2'-6"	" " "	
7	1	3"		1½"	4'-0"	ONE EDGE MOLDED	
8	1	3"		¾"	4'-0"		
9	1	3"		¾"	4'-0"	TWO EDGES CANTED	
11	1	5"	1¼"	1½"	4'-0"	ONE SURFACE SLOPED	THRESHOLD SILL

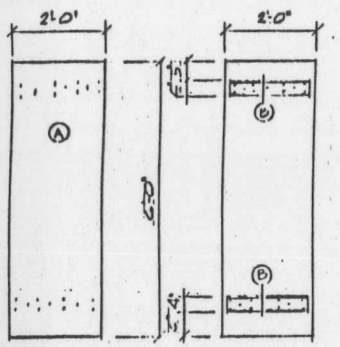
0 1" 2" 8" FULL SIZE

PREPARED BY SIGNED ON CAROLL DRAWN CHECKED DATE

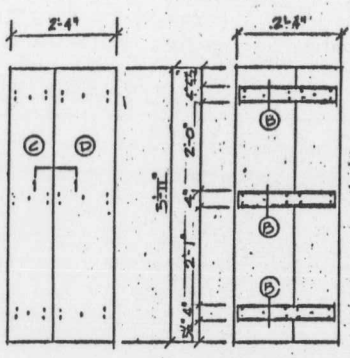
DRAWING NO. D-26559 002

PCIP PRO

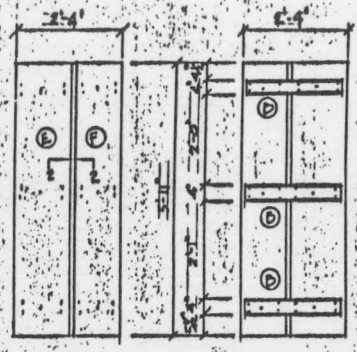
SHEET 4 OF 15



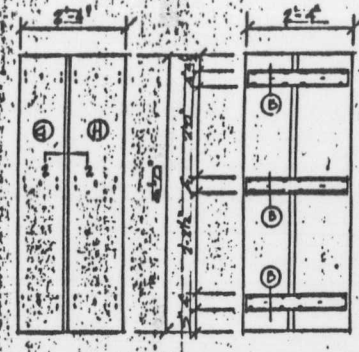
WEST CHAMBER - NORTH CLOSET



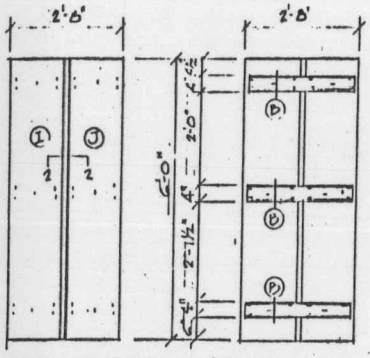
WEST CHAMBER TO HALLWAY



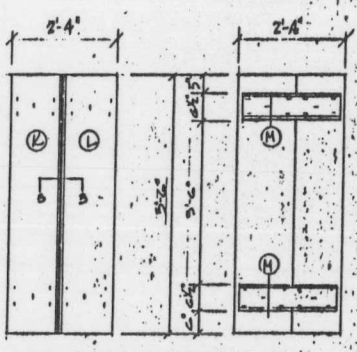
EAST CHAMBER - NORTH CLOSET



EAST CHAMBER & EAST PARLOR TO HALLWAY



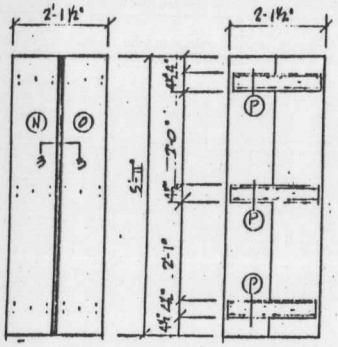
WEST PARLOR TO HALLWAY



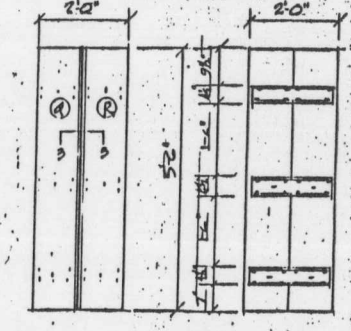
CELLAR DOOR IN EAST PARLOR

SCHEDULE OF BOARDS REQ'D FOR DOORS THIS SHEET.

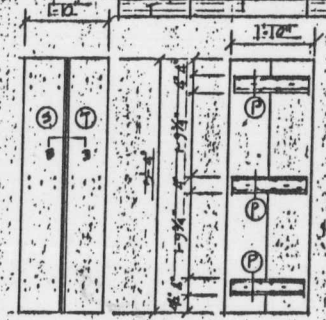
BOARD LOCATION	NO. OF BOARDS REQUIRED	THICKNESS	OVERALL WIDTH INCLUDING MILLED EDGES	LENGTH	EDGE TYPE	REMARKS
A	1	3/4"	2'-0" BOTH ENDS	6'-0"	ALL EDGES SQUARE	3&S
D	17	3/4"	4" " "	2'-6"	TWO EDGES MOLDED	3&S BATTENS
C	1	3/4"	12" " "	6'-0"	ONE EDGE GROOVED	3&S
C1	1	3/4"	4" " "	6'-0"	ONE EDGE GROOVED	
E	1	3/4"	1 3/8" " "	6'-0"	ONE EDGE CHAMFERED	
F	1	3/4"	10 1/8" " "	6'-0"	ONE EDGE MOLDED	
G	2	3/4"	3 3/4" " "	6'-0"	ONE EDGE CHAMFERED	
H	2	3/4"	3 7/8" " "	6'-0"	ONE EDGE MOLDED	DO
I	1	3/4"	4 1/4" " "	6'-0"	ONE EDGE CHAMFERED	
J	1	3/4"	3 7/8" " "	6'-0"	ONE EDGE MOLDED	
K	1	3/4"	1 1/4" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	
L	1	3/4"	5" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	
M	1	3/4"	2 1/2" " "	2'-6"	TWO EDGES MOLDED	3&S BATTENS
N	1	3/4"	1'-0 1/4" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	3&S
O	1	7/8"	1'-1 1/4" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	
P	9	3/4"	4 1/2" " "	2'-6"	TWO EDGES MOLDED	3&S BATTENS
Q	1	3/4"	1'-0" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	3&S
R	1	3/4"	1'-0 1/2" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	
S	1	3/4"	1'-1" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	
T	1	3/4"	1 1/2" " "	6'-0"	ONE EDGE MOLDED & SHIPLAPPED	DO



WEST PARLOR - NORTH WALL

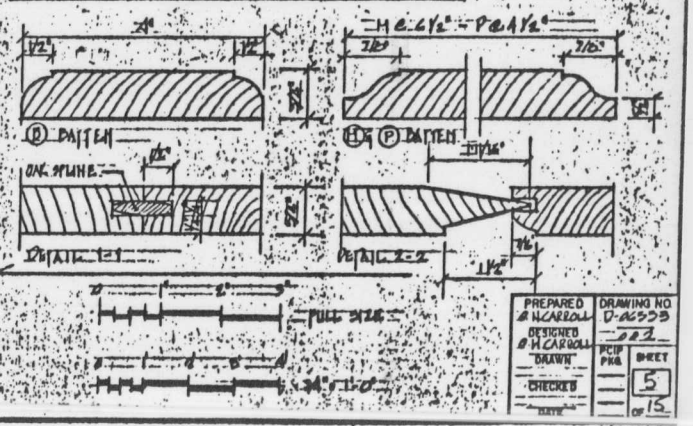


CHIMNEY BAY - NORTH WALL 2ND FLOOR



EAST PARLOR - NORTH WALL

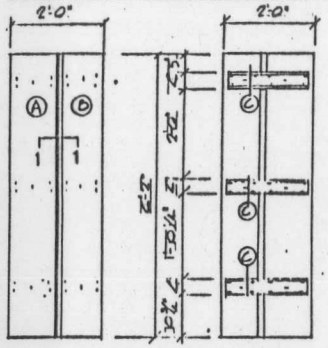
NOTE: FABRICATION OF DOORS NOT IN CONTRACT



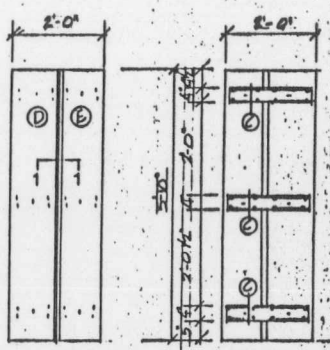
EXISTING STRUCTURE - C.J. WM. SMITH HOUSE

PREPARED	DRAWING NO
H.W. CARROLL	D-2533
DESIGNED	221
H.W. CARROLL	
DRAWN	SCALE
CHECKED	SHEET
DATE	5 OF 15

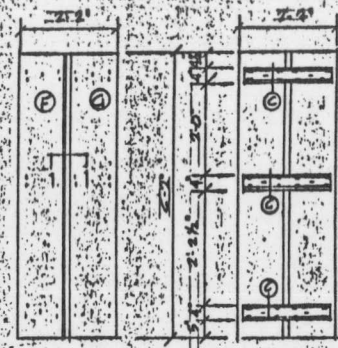
DOORS FOR THE LEAN-TO



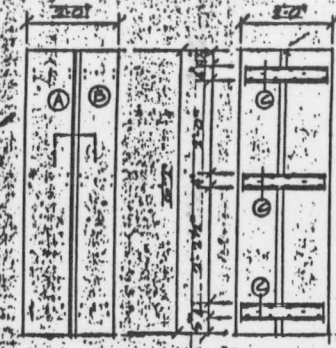
STAIRWAY—1ST FLOOR OF LEAN-TO



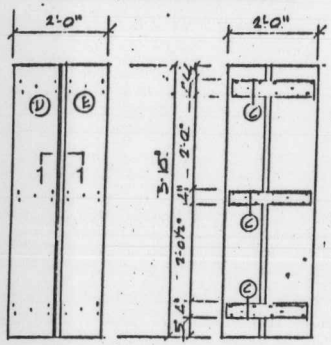
CELLAR DOOR IN LEAN-TO



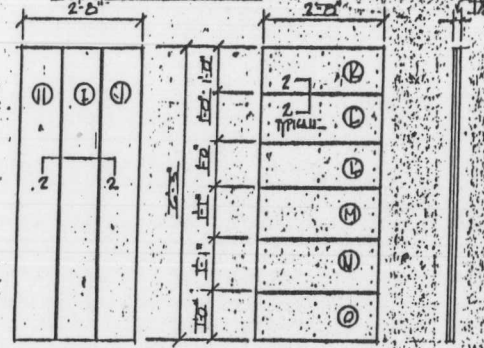
STAFF ROOM DOOR IN LEAN-TO



TOILET ROOM DOOR IN LEAN-TO



GARRET DOOR IN LEAN-TO

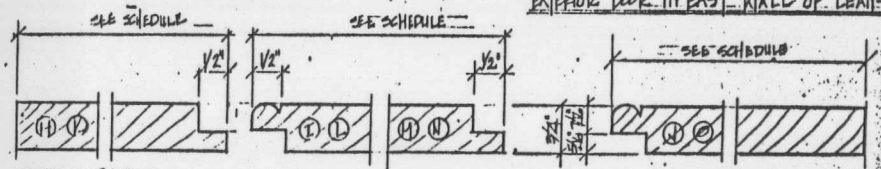


EXTERIOR DOOR IN EAST WALL OF LEAN-TO

SCHEDULE OF BOARDS REQ'D FOR DOORS THIS SHEET

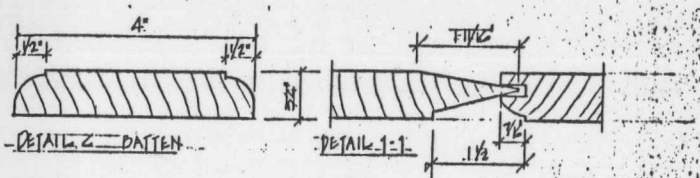
BOARD LOCATION	NO. OF BOARDS REQUIRED	THICKNESS	OVERALL WIDTH INCLUDING MILLED EDGES	LENGTH	EDGE TYPE	REMARKS
A	2	3/4"	1'-0 1/2" BOTH ENDS	6'-6"	ONE EDGE GROOVED & HELDED	345
B	2		11 1/2" " "	6'-6"	ONE EDGE CHAMFERED	
C	5		4" " "	2'-0"	TWO EDGES MOLDED	345 PATTERNS
D	2		1'-0 1/2" " "	6'-0"	ONE EDGE GROOVED & MOLDED	345
E	2		11 1/2" " "	6'-0"	ONE EDGE CHAMFERED	
F	1		1'-0 1/2" " "	6'-6"	ONE EDGE GROOVED & MOLDED	
G	1		9" " "	6'-6"	ONE EDGE CHAMFERED	
H	1			6'-6"	ONE EDGE SHIPLAPPED	
I	1	DO		6'-6"	TWO EDGES SHIPLAPPED-ONE MOLDED	
J	1			6'-6"	ONE EDGE SHIPLAPPED & MOLDED	DO
K	1		1'-0 1/2" " "	3'-0"	ONE EDGE SHIPLAPPED	
L	2		1'-0 1/2" " "	8'-0"	TWO EDGES SHIPLAPPED ONE MOLDED	
M	1		1'-1 1/2" " "	8'-0"	DO	
N	1		1'-1 1/2" " "	8'-0"	DO	
O	1		1'-0 1/2" " "	8'-0"	ONE EDGE SHIPLAPPED & MOLDED	

NOTE: FABRICATION OF DOORS NOT IN CONTRACT



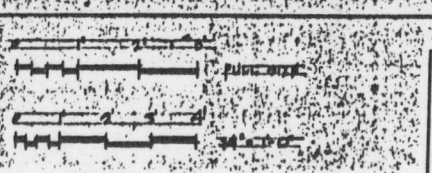
DETAIL 2-2

DOOR BOARDS
FULL SIZE



DETAIL 2 BATTEN

DETAIL 1-1

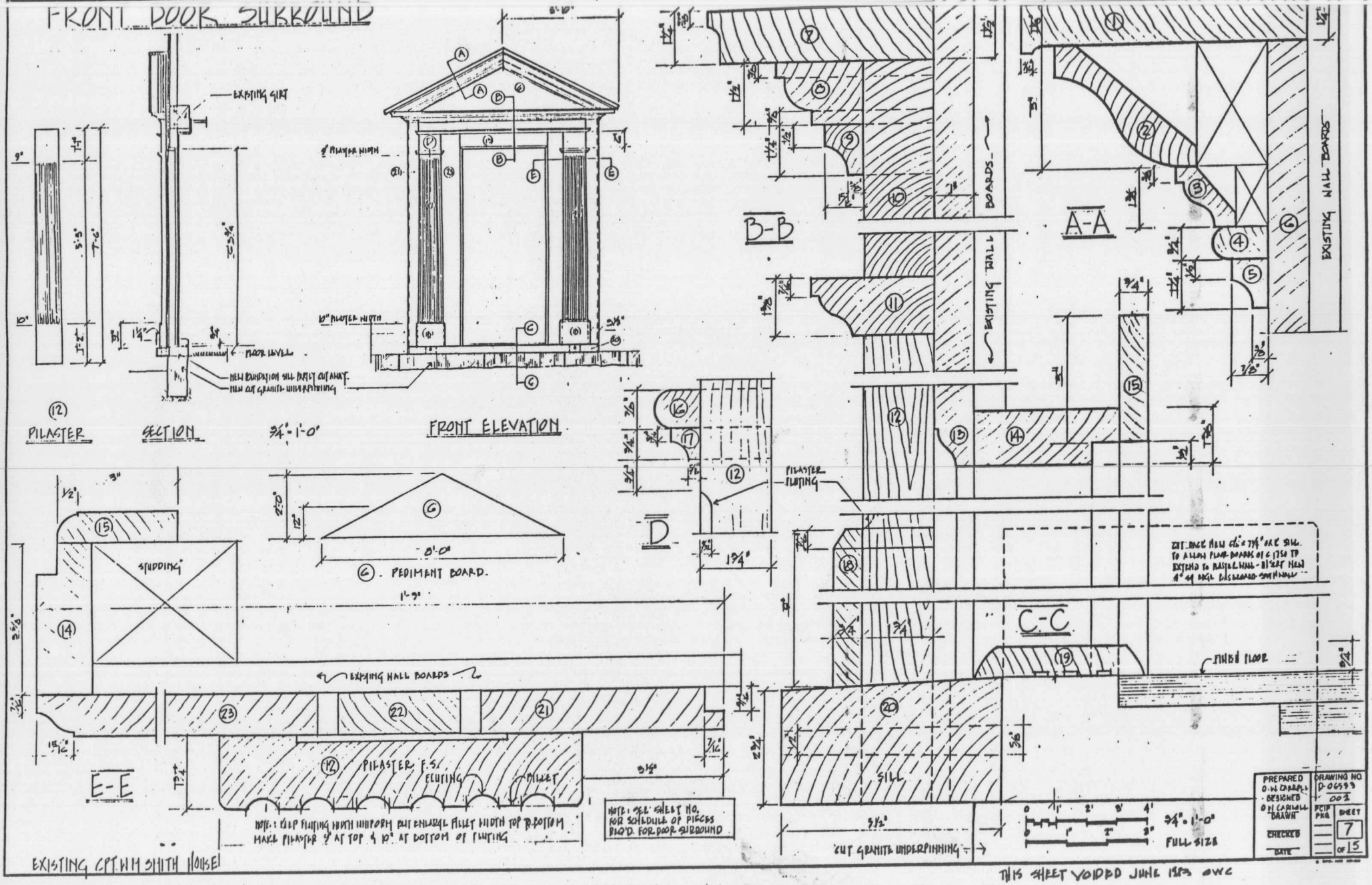


PREPARED W.CARROLL
DESIGNED W.CARROLL
DRAWN
CHECKED
DATE

DRAWING NO. D-06555 003
SHEET 6 OF 13

EXISTING STRUCTURE—CPT. W.H. SMITH HOUSE

FRONT DOOR SURROUND



EXISTING CPT. WM SMITH HOUSE

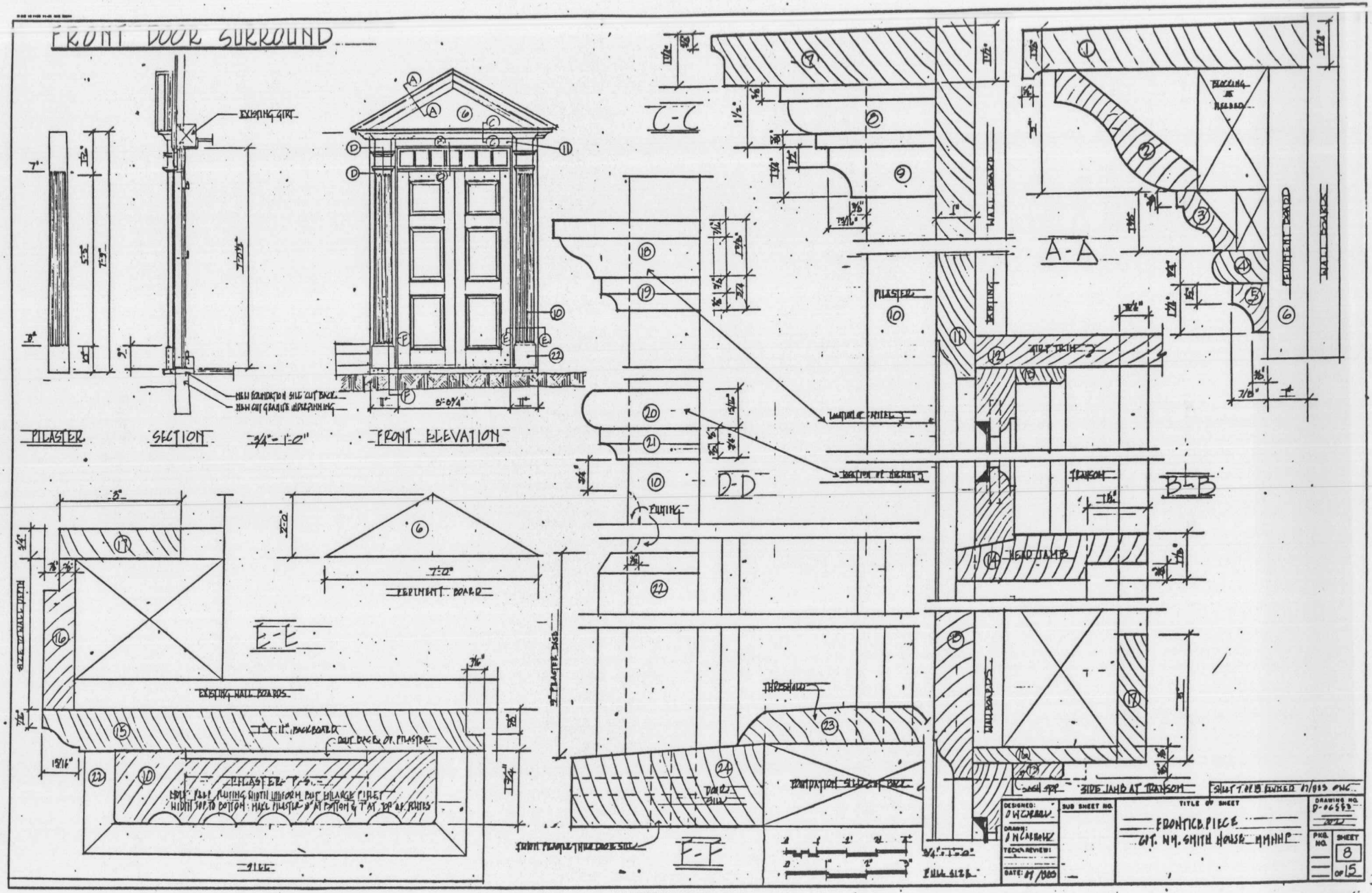
PREPARED O.W. CABRELL · DESIGNED O.H. CARWELL · DRAWN · CHECKED · DATE

DRAWING NO. D-06599 002

PCIP PKG. SHEET 7 OF 15

THIS SHEET VOIDED JUNE 1983 OWC

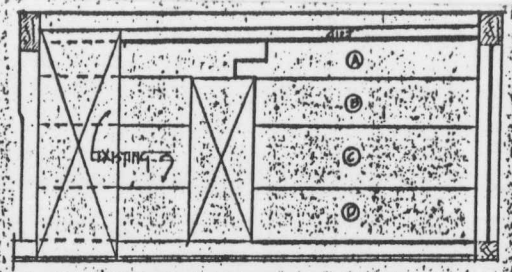
FRONT DOOR SURROUND



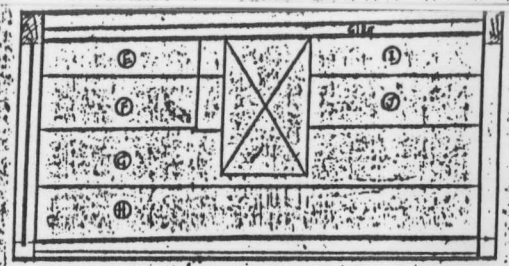
NOTE 1 SEE SHEET NO. ___ FOR DRAWING DETAILS

SCHEDULE OF PIECES REQ'D FOR FRONT [SOUTH] DOOR SHROUND

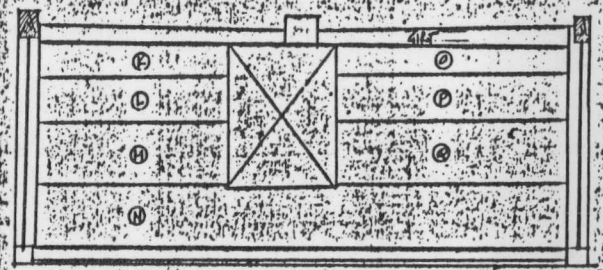
SYMBOL	NO. OF PIECES	THICKNESS	WIDTH	LENGTH	REMARKS
1	2	1 1/16 TO 1 1/4"	7 1/2"	5'-0"	TAPERED ALONG WIDTH - ONE MOLDED EDGE SEE SECTION
2	2	SEE SECTION		5'-0"	CROWN MOLDING
3	2	"	11"	3'-6"	SUB. MOLDING IN PEDIMENT
4	2	"	1 3/8"	5'-0"	" " " "
5	2	3/8"	1 1/4"	5'-0"	" " " "
6	1	1"	8'-0"	7'-0"	PEDIMENT BOARD - TRIANGULAR
7	1	1 1/8 TO 1 7/16"	8 1/2"	8'-0"	PEDIMENT RETURN - MOLDED ONE EDGE TAPERED
8	1	1 1/2"	2 1/16"	8'-0"	OVOLO
9	1	1 3/16"	1 1/4"	8'-0"	COVE
10	2	1 1/4"	SEE DRAWING	8'-0"	PILASTERS - TAPERED & FLUTED
11	1	1"	2"	9'-0"	MOLDED ONE EDGE OGEE
12	1	1/4"	2"	5'-0"	SQUARE BEAD
13	1	4/8"	11/4"	6'-0"	MOLDED ONE EDGE
14	1	1 1/16" TO 1"	5 1/4"	5'-0"	TAPER LEADING EDGE - ONE FLAT EDGE DO
15	2	7/16"	11 1/8"	8'-0"	ONE EDGE MOLDED - ALLOW FOR HAND PLANING
16	2	1 1/4"	9"	8'-0"	ROUTE ONE EDGE 7/8" x 3/4" FULL LENGTH
17	2	1/4"	3"	8'-0"	SQUARE EDGE
18	1	1 1/8"	1 1/8"	9'-0"	PILASTER CAPITALS
19	1	1/4"	3/4"	4'-0"	COVE UNDER CAPITAL
20	1	1 1/16"	1 1/4"	4'-0"	FILLETING ON CAPITAL
21	1	3/4"	1/4"	4'-0"	COVE UNDER FILLETING
22	1	3/4"	3"	4'-0"	BASES FOR PILASTERS - CHAMFER ONE EDGE
23	1	1 5/8"	6 1/2"	4'-0"	THRESHOLD
24	1	1 7/8 TO 2"	9 1/2"	6'-0"	SILL



EAST PARLOR - NORTH WALL



EAST PARLOR - SOUTH WALL

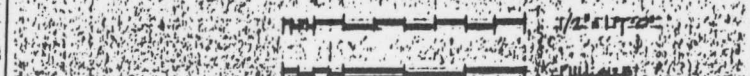


EAST PARLOR - EAST WALL

1/2" = 1'-0"

SCHEDULE OF WAINSCOT BOARDS FOR WALLS OF EAST PARLOR

MARK PIECES	BOARD LOCATION	OVERALL WIDTH INCLUDING SHIPLAP EDGE: LEFT END	RIGHT END	THICKNESS	LENGTH	EDGE TYPE
1	A	1'-6"	1'-6"	25/32"	9'-0"	LOWER EDGE SHIPLAPPED
1	D	1'-7"	1'-7"		8'-0"	BOTH EDGES SHIPLAPPED
1	G	2'-0 1/2"	2'-0 1/2"		9'-0"	BOTH EDGES SHIPLAPPED
1	J	1'-10 1/2"	1'-0 1/2"		9'-0"	UPPER EDGE SHIPLAPPED
1	E	1'-5 11/16"	1'-5"		9'-0"	LOWER EDGE SHIPLAPPED
1	F	1'-5"	1'-0 1/2"		2'-6"	BOTH EDGES SHIPLAPPED
1	G	1'-10 1/2"	1'-11 1/2"		3'-0"	BOTH EDGES SHIPLAPPED
1	H	1'-10 1/2"	1'-0 1/2"		5'-0"	LOWER EDGE SHIPLAPPED
1	I	1'-5"	1'-5"		2'-0"	UPPER EDGE SHIPLAPPED
1	J	1'-0 1/2"	1'-0"	DO	2'-0"	BOTH EDGES SHIPLAPPED
1	K	1'-4 1/2"	1'-4 1/2"		2'-6"	UPPER EDGE SHIPLAPPED
1	L	1'-5 1/2"	1'-5 1/2"		2'-6"	BOTH EDGES SHIPLAPPED
1	M	2'-0 1/2"	2'-0"		2'-6"	BOTH EDGES SHIPLAPPED
1	N	2'-0 1/2"	2'-0 1/2"		18'-0"	UPPER EDGE SHIPLAPPED
1	O	1'-0 1/2"	1'-0 1/2"		8'-0"	UPPER EDGE SHIPLAPPED
1	P	1'-5 1/2"	1'-6"		8'-0"	BOTH EDGES SHIPLAPPED
1	Q	2'-0 1/2"	2'-0 1/2"		10'-0"	BOTH EDGES SHIPLAPPED
1	DOOR CASE	1'-0"	1'-0"	25/32"	7'-0"	BOTH EDGES SHIPLAPPED
1	"	1'-0"	1'-0"	DO	7'-0"	ONE EDGE SHIPLAPPED
1	ENTIRE BOARD	2'-0"	2'-0"		2'-2"	ONE EDGE SHIPLAPPED
		2'-0"	2'-0"		8'-2"	BOTH EDGES SHIPLAPPED
		1'-10"	1'-10"		9'-2"	BOTH EDGES SHIPLAPPED
		1'-4"	1'-4"		8'-0"	ONE EDGE SHIPLAPPED



1/2" = 1'-0"

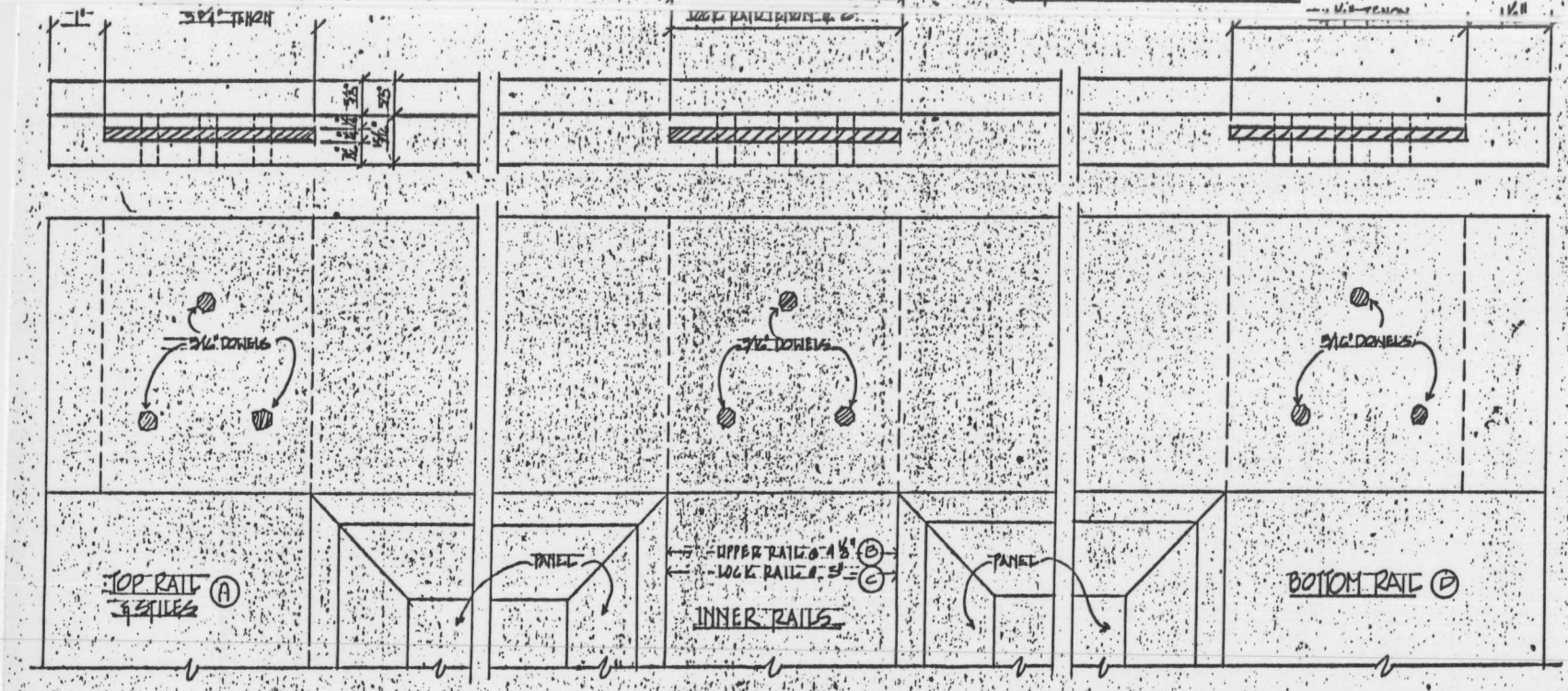


SHIPLAP EDGES

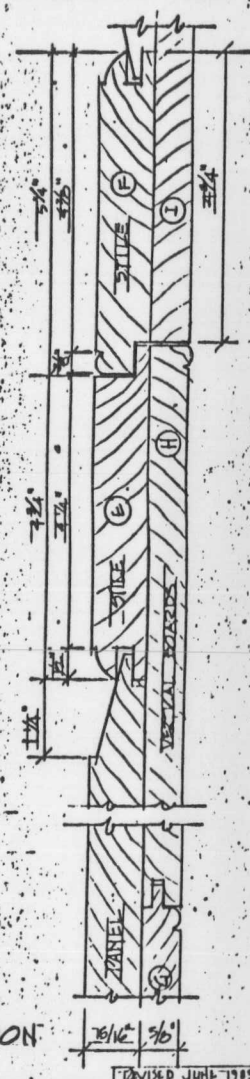
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WORKING DRAWING	D-01938 - 002
DESIGNED CARROLL	SCALE
DRAWN	PROJ.
CHECKED	SHEET 9
DATE	OF 15

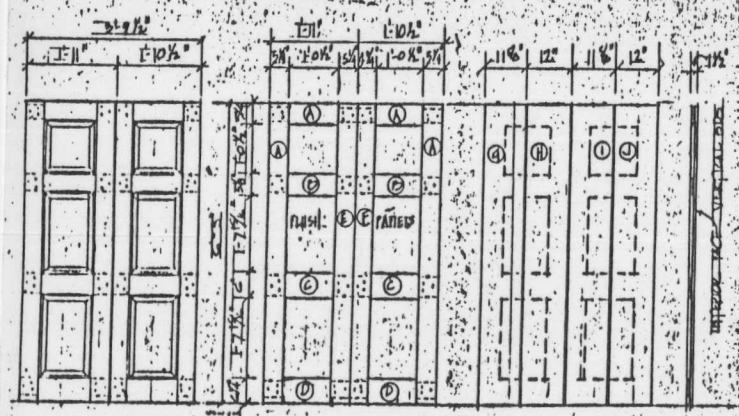
FRONT EXTERIOR DOOR

DETAILS - FULL SIZE

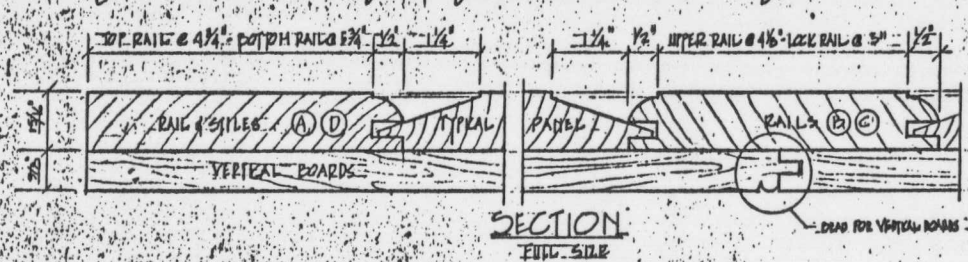


SECTION - F-J





DOOR ELEVATIONS



SECTION
FULL SIZE

SCHEDULE OF BATTEN BOARDS ON INTERIOR SURFACE OF DOOR

BOARD LOCATION	NO. OF BOARDS	OVERALL WIDTH INCLUDING TONGUE & GROOVE	THICKNESS	LENGTH	EDGE TYPE
G	1	11⅛"	5/8"	7'-0"	OIL & EDGE BEADED & TAPERED
H	1	12"	5/8"	7'-0"	ONE EDGE GROOVED & ONE EDGE BEADED
J	1	11⅛"	5/16"	7'-0"	ONE EDGE BEADED & RABBETED
K	1	12"	5/16"	7'-0"	ONE EDGE GROOVED

EXISTING STRUCTURE: CPT. WH SMITH HOUSE

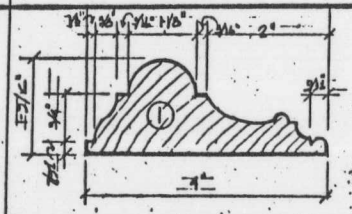
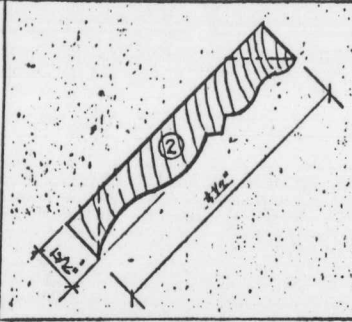
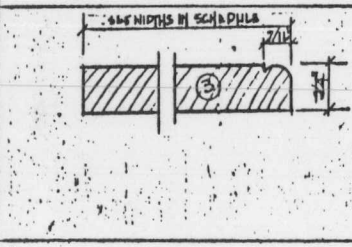
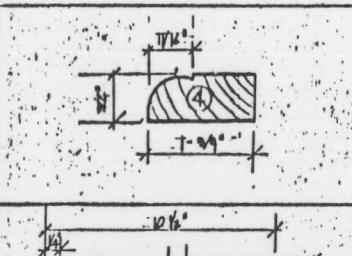
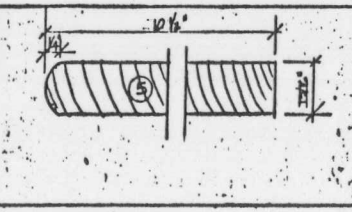
CPT WH SMITH HOUSE RESTORATION
1775 FRONT EXTERIOR DOOR

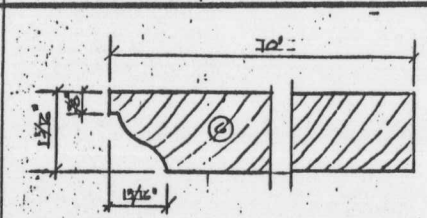
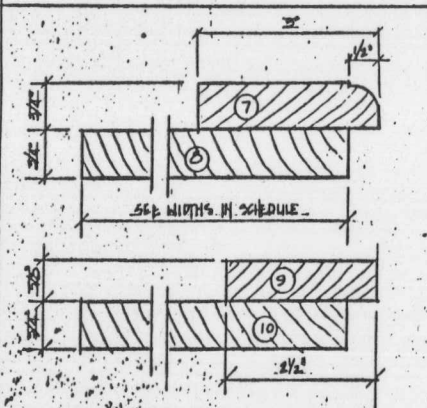
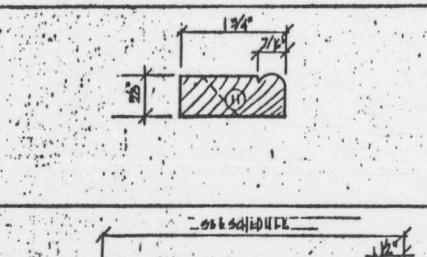
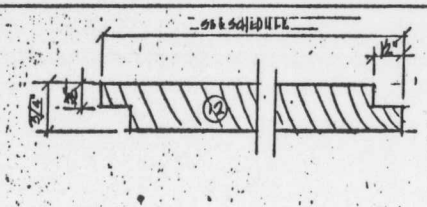


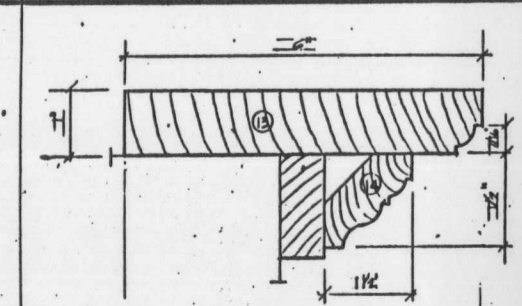
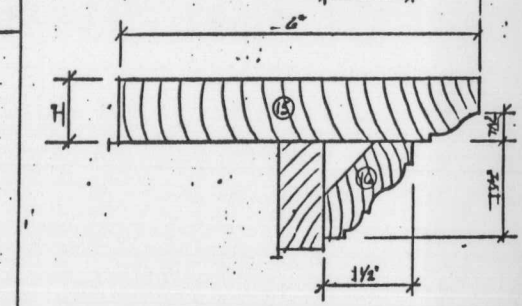
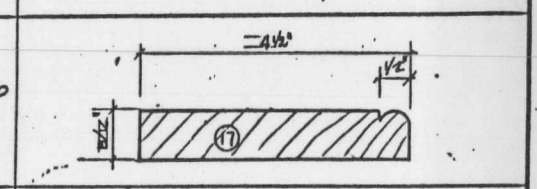
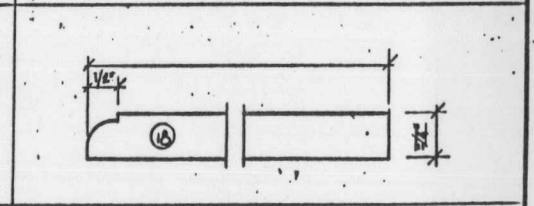
REVISED JUNE 1985 AIC

PREPARED	DRAWING NO.
ON CARDOLL DESIGNED ON CARDOLL DRAWN	D-06559 C02
CHECKED	PCIP PKG
DATE	SHEET 10 OF 15

SCHEDULE - INTERIOR MOULDINGS & TRIM

DESCRIPTION/QUANTITY	CROSS SECTION
(1) ILECTION MOLDING — ST CHAMBER FIREPLACE — RNISH: — RCS 9/16" x 1" x 1'-0" — RC 3/4" x 4" x 8'-0"	
(2) MANTEL SHELF & TRIM — WEST CHAMBER FIREPLACE — RNISH: — RCS 5/16" x 1 1/4" x 2'-6"	
(3) REPLACE SURROUND — M CHAMBER FIREPLACE — RNISH: — RCS 3/4" x 10" x 6'-0" — ST & EAST PARLORS FIREPLACES — RNISH: — RCS 3/4" x 1'-2" x 3'-0"	
(4) RNER POST NAILING STRIP — ST PARLOR WAINSCOT — RNISH: — RCS 3/4" x 1 3/4" x 7'-0" — LOOR CLEAT - LEAN-TO — RNISH: — RCS 3/4" x 1 3/4" x 10'-0"	
(5) STAIR TREADS LEAN-TO — RNISH: — RCS 11/16" x 10 1/2" x 3'-0" 3/4S — TAIR RISERS SQUARE 3/4S — RCS 13/16" x 10 1/2" x 3'-0"	
EXISTING STRUCTURE - OF WM SMITH HOUSE	

DESCRIPTION/QUANTITY	CROSS SECTION
(6) MANTEL SHELF — WEST CHAMBER — FURNISH: — 1 PC 1 5/16" x 10" x 6'-6"	
(7) DOOR TRIM — FURNISH FOLDING DOORS — 7 PCS 3/4" x 3" x 2'-6" — 14 PCS 3/4" x 6" x 7'-0"	
(8) FURNISH — 1 PC 3/4" x 6 1/2" x 2'-6" WEST PARLOR — 3 PCS 3/4" x 7" x 7'-0" CELLAR DOOR — 1 PC 3/4" x 12" x 2'-6" CELLAR " — 2 PCS 3/4" x 6" x 7'-0" FIELD BOARDS — 5 PCS 3/4" x 7" x 7'-0" ROOF BOARDS	
(9) CLOSET DOOR STOP — CELLAR DOOR STOP — FURNISH: — 3 PCS 3/4" x 2 1/2" x 2'-6" SAS — 6 PCS 3/4" x 2 1/2" x 6'-0" " — 4 PCS 3/4" x 10" x 7'-0" FLOORS — 1 PC 3/4" x 10" x 2'-6" PANTRY	
(10) DOOR TREAD - WEST/WEST CHAMBERS — 3 PCS 3/4" x 9" x 3'-0" SAS — WINDOW TRIM - WEST PARLOR — 2 PCS 3/4" x 6" x 3'-0" SAS — 2 PCS 3/4" x 6" x 5'-0" "	
(11) CHIMNEY GIRT TRIM — ABOVE MANTLE — FURNISH: — 1 PC 5/8" x 17/8" x 6'-6" — 1 PC 5/8" x 13/4" x 8'-6"	
(12) SHIPLAP BOARDS / PARTITION BDS NO LEAN-TO — FURNISH: — 4 PCS 3/4" x 1'-0" x 7'-0" — 8 PCS 3/4" x 1'-4" x 7'-0" — 5 PCS 3/4" x 1'-6" x 7'-0" — WALL BDS NO LEAN-TO — 7 PCS 3/4" x 12" x 8'-0" — 7 PCS 3/4" x 12" x 13'-0" — 7 PCS 3/4" x 12" x 16'-0"	

DESCRIPTION/QUANTITY	CROSS SECTION
(13) MANTEL SHELF — EAST PARLOR — FURNISH: — 1 PC 1" x 6" x 8'-6"	
(14) TRIM UNDER SHELF — FURNISH: — 1 PC 3/4" x 2 1/2" x 8'-6"	
(15) MANTEL SHELF — WEST PARLOR — FURNISH: — 1 PC 1" x 6" x 8'-6"	
(16) TRIM UNDER SHELF — FURNISH: — 1 PC 3/4" x 2 1/2" x 8'-6"	
(17) BASEBOARD NO LEAN-TO — FURNISH: — 2 PCS 13/16" x 4 1/2" x 10'-0" — 2 PCS 13/16" x 4 1/2" x 12'-0"	
(18) WINDOW & DOOR TRIM — TO LEAN-TO — FURNISH: — 8 PCS 3/4" x 3" x 8'-0" — 8 PCS 3/4" x 5" x 7'-0" — 10 PCS 3/4" x 6" x 8'-6" — 10 PCS 3/4" x 6" x 7'-0"	
(19) SUMMER - GIRT & POST TRIM NO LEAN-TO — FURNISH: — 6 PCS 3/4" x 4" x 10'-0" — 4 PC 3/4" x 5" x 12'-0" — 4 PCS 3/4" x 5" x 7'-0"	
SCRAPE & STUCCO SAS NO LEAN-TO TRIM — FURNISH: — 6 PCS 3/4" x 3 1/2" x 7'-0" — 20 PCS 3/4" x 5 1/2" x 10'-0" — 2 PCS 3/4" x 5 1/2" x 10'-0" — 2 PCS 3/4" x 5 1/2" x 12'-0"	

0 1" 2" 3" FULL SIZE

PREPARED B. N. CARROLL
DESIGNED B. N. CARROLL
DRAWN
CHECKED
DATE

DRAWING NO. D-06353 002
PCTP PKG
SHEET 11 OF 15

SCHEDULE OF EXTERIOR MOLDINGS & TRIM

DESCRIPTION / QUANTITY

(1) CAP FOR EXTERIOR WINDOW FRAMES [1775]

FURNISH:
5 PCS 9 1/16" x 5 1/8" x 5'-0"
2 PCS 5 1/16" x 5 1/8" x 7'-0"
2 PCS 5 1/8" x 5 7/8" x 8'-0"

(2) WINDOW CAP TRIM

FURNISH:
4 PCS 1" x 1 1/4" x 4'-0"
5 PCS 1" x 1 1/4" x 5'-0"
3 PCS 1" x 1 1/4" x 6'-0"

(3) CROWN MOLDING

FURNISH:
1 PC 3" x 9 1/2" x 6'-0"
1 PC 8" x 5 1/2" x 12'-0"

(4) BED MOLDING

FURNISH:
1 PC 1 7/16" x 2 7/16" x 8'-0"

EXISTING STRUCTURE - CPT. WM. SMITH HOUSE

SCALE: 3" = 1'-0"

WINDOW CAP

CROWN MOLDING

BED MOLDING

(5) CORNER BOARDS

FURNISH:
2 PCS 7/8" x 4 1/2" x 14'-0"
2 PCS 7/8" x 4 1/2" x 10'-0"

(6) CORNER BOARDS

FURNISH:
2 PCS 7/8" x 4 1/2" x 14'-0"
2 PCS 7/8" x 4 1/2" x 10'-0"

(7) BELT BOARD

FURNISH:
4 PCS 7/8" x 11 1/2" x 12'-0"

(8) SOFFIT BOARD

FURNISH:
2 PCS 7/8" x 5 1/2" x 18'-0"

(9) RIDGE BOARDS

FURNISH:
8 PCS 7/8" x 2" x 10'-0"

(10) PEDIMENT END BOARD

FURNISH:
1 PC 7/8" x 1'-4" x 2'-0"

CAPT. WM. SMITH HOUSE - CORNICE BOARDS

CAPT. WM. SMITH HOUSE - BELT BOARD / SOFFIT BOARD

CAPT. WM. SMITH HOUSE - RIDGE BOARD & CORNICE END BOARD

(11) VERGE BD TRIM - LEAN-TO

FURNISH:
2 PCS 7/8" x 1 1/2" x 14'-0"

(12) VERGE BOARD - LEAN-TO

FURNISH:
2 PCS 1 3/16" x 2" x 14'-0"

(13) VERGE BD TRIM - 2 1/2 STORY HOUSE

FURNISH:
4 PCS 3/4" x 1 1/4" x 14'-0"

(14) VERGE BD - 2 1/2 STORY HOUSE

FURNISH:
4 PCS 1 1/16" x 8" x 14'-0"

(15) WINDOW TRIM

FURNISH:
2 PCS 1 1/2" x 2 1/2" x 8'-0"
2 PCS 1 1/2" x 2 1/2" x 5'-0"

(16) WINDOW TRIM

FURNISH:
4 PCS 3/4" x 4" x 2'-0"
4 PCS 3/4" x 4" x 6'-0"
2 PCS 3/4" x 12" x 8'-0"
2 PCS 3/4" x 12" x 4'-0"
4 PCS 3/4" x 12" x 5'-0"

CAPT. WM. SMITH HOUSE - VERGE BOARDS ON LEAN-TO

CAPT. WM. SMITH HOUSE - VERGE BOARDS ON 2 1/2 STORY HOUSE

CAPT. WM. SMITH HOUSE - INTERIOR WINDOW TRIM

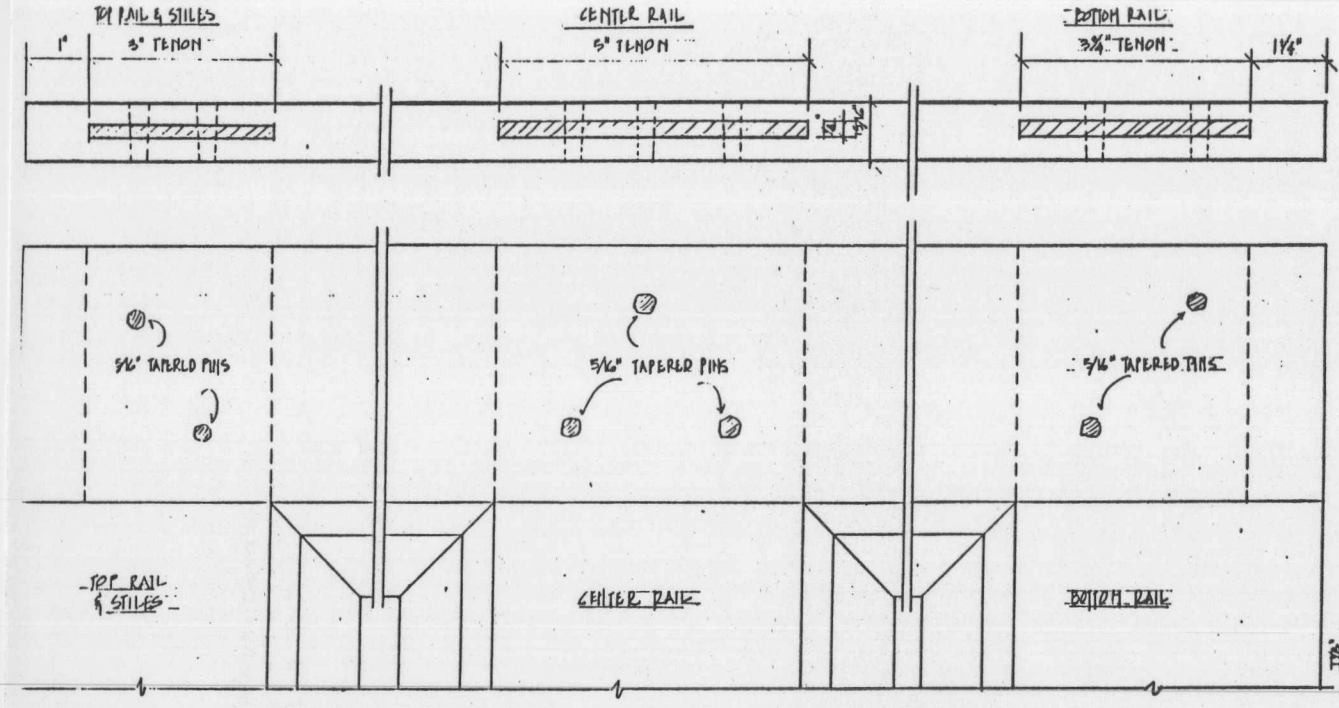
CAPT. WM. SMITH HOUSE - INTERIOR WINDOW TRIM

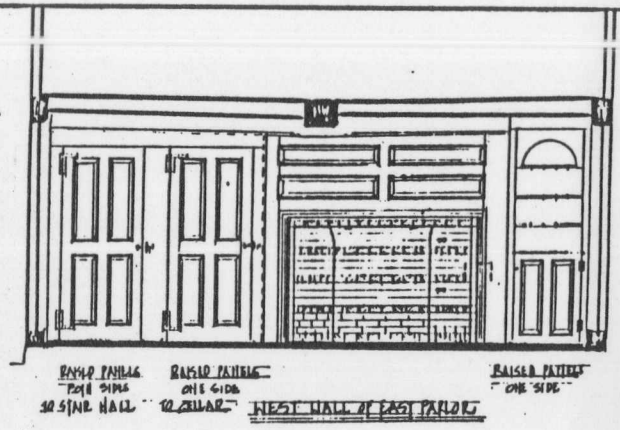
PREPARED - DUSTIN DESIGNED - D.N. CARROLL DRAWN - CHECKED - DATE -

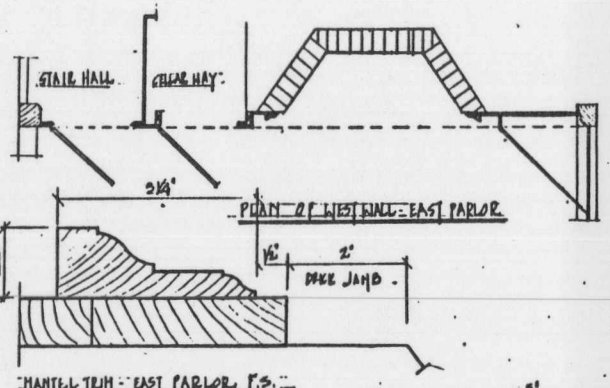
DRAWING NO. D-06523-002

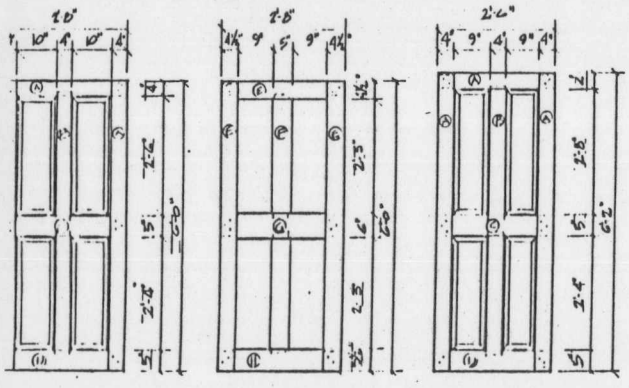
SHEET 12 OF 15

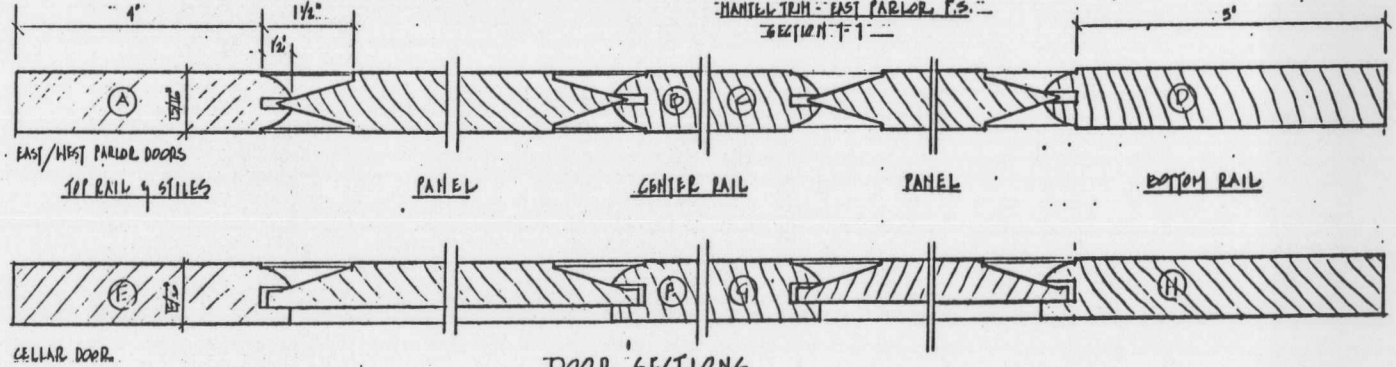
INTERIOR DOORS











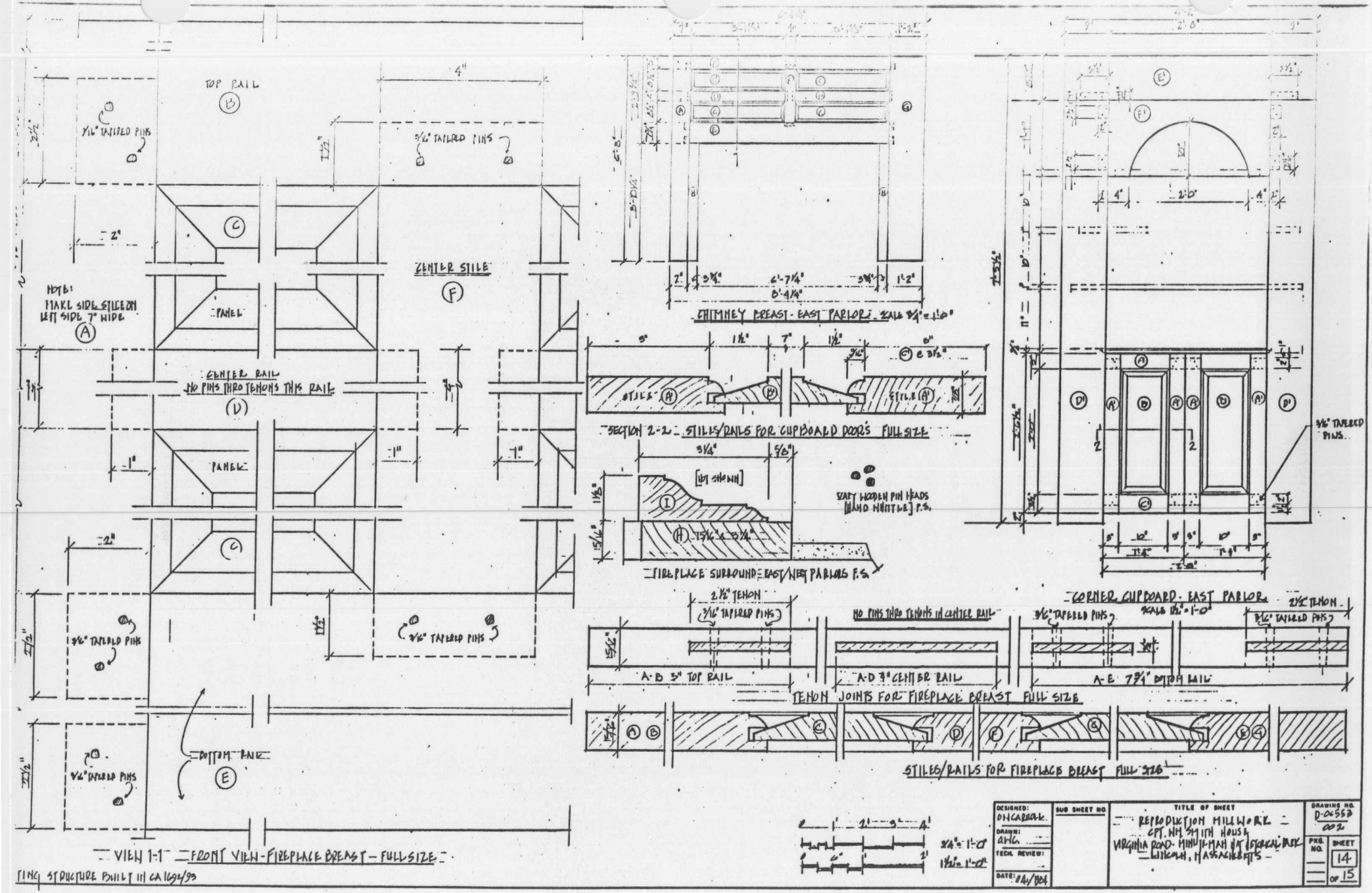
DOOR SECTIONS

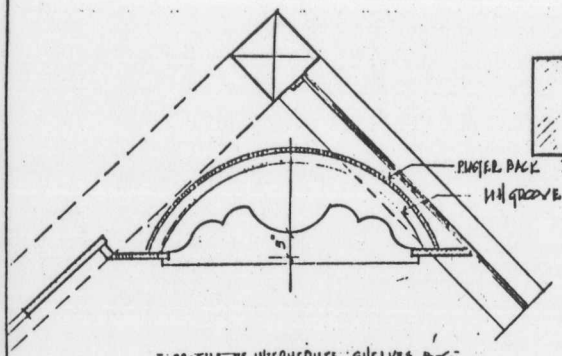
FULL SIZE



DESIGNED: EHCARROLL	SUB SHEET NO	TITLE OF SHEET: REPRODUCTION MILLWORK CPT. N.M. SMITH HOUSE VIRGINIA ROAD HIWAY & MINUTEMAN NAT'L HIST PARK LINCOLN, MASSACHUSETTS	DRAWING NO. D-06559 002
DRAWN: EHCARROLL			PKG NO. —
TECH. REVIEW:			SHEET 13 OF 15
DATE: MARCH 2004			

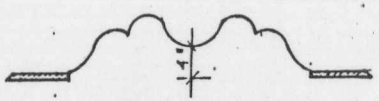
IG STRUCTURE CPT. N.M. SMITH HOUSE


TOP RAIL
B
4"
5/16" TAPERED PINS
2½"
1½"
3/8" TAPERED PINS
2"
C
CENTER STILE
F
NOTE:
MAKE SIDE STILE ON
LEFT SIDE 7" WIDE
A
PANEL
CENTER RAIL
NO PINS THRO TENONS THIS RAIL
D
4"
1"
PANEL
1"
1"
2"
C
3/8" TAPERED PINS
11½"
3/8" TAPERED PINS
BOTTOM RAIL
E
3/8" TAPERED PINS
11½"
VIEW 1-1 FRONT VIEW-FIREPLACE BREAST - FULL SIZE
TINC STRUCTURE BUILT IN CA 1692/93
CHIMNEY BREAST - EAST PARLOR - SCALE 3/4" = 1'-0"
2" 3½" 6'-7¼" 3½" 1'-2"
6'-9¼"
3'-0½"
SECTION 2-2 STILES/RAILS FOR CUPBOARD DOORS FULL SIZE
5" 1½" 7" 1½" 5" c 3½"
STILES A
H
STILES A
FIREPLACE SURROUND EAST/WEST PARLORS F.S.
3¼" 5/8"
[AS SHOWN]
I
H 15¼ x 9¾"
1½"
15½"
EACH WOODEN PIN HEADS [HAND MORTISE] F.S.
CORNER CUPBOARD - EAST PARLOR - SCALE 1½" = 1'-0"
2½" TENON
3/8" TAPERED PINS
NO PINS THRO TENONS IN CENTER RAIL
3/8" TAPERED PINS
2½" TENON
3/8" TAPERED PINS
15½"
A-B 5" TOP RAIL
A-D 9" CENTER RAIL
A-E 7¾" BOTTOM RAIL
TENON JOINTS FOR FIREPLACE BREAST FULL SIZE
A B C D F G E
STILES/RAILS FOR FIREPLACE BREAST FULL SIZE
1' 2' 3' 4'
2½" = 1'-0"
1½" = 1'-0"
DESIGNED: DINCARLO
DRAWN: AHL
TECH. REVIEW:
DATE: 84/804
SUB SHEET NO.
TITLE OF SHEET
REPRODUCTION MILLWORK
CPT. NM SMITH HOUSE
VIRGINIA ROAD - MINUTEMAN NAT. HISTORICAL PARK
LINCOLN, MASSACHUSETTS
DRAWING NO. D-06552 002
PKG. NO.
SHEET 14 OF 15



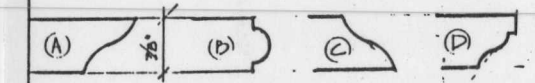
PROFILE OF INTERMEDIATE SHELVES B-C

PLAN VIEW



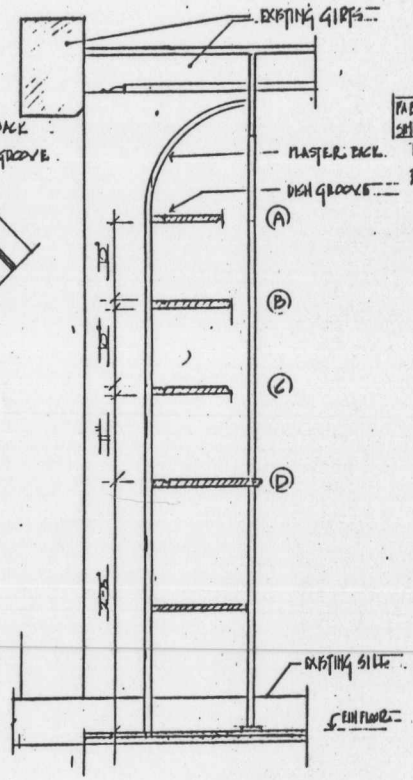
PROFILE OF TOP SHELF (A)

SHELF PROFILES CORNER CUPBOARD
SCALE 1½" = 1'-0"



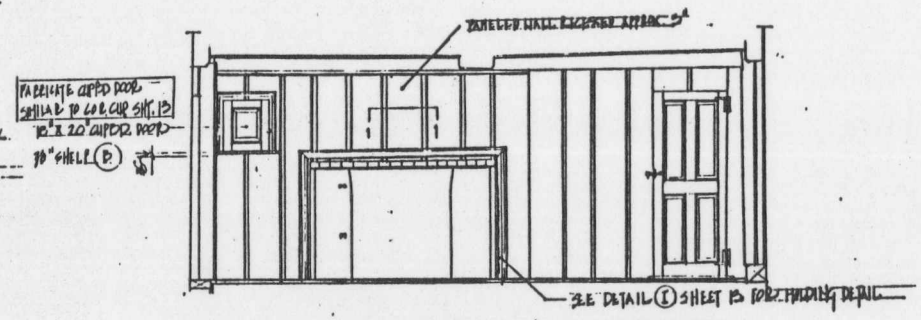
TOP SHELF INTERMEDIATE SHELVES LOWER SHELF

EDGE PROFILES FOR CUPBOARD SHELVES
FULL SIZE

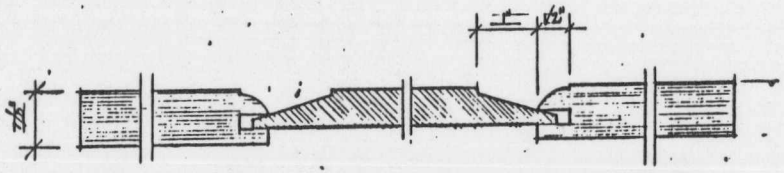


SECTION CORNER CUPBOARD - EAST PARLOR
SCALE 1½" = 1'-0"

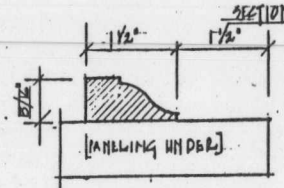
CORNER CUPBOARD - EAST PARLOR
[PROPOSED RECONSTRUCTION]



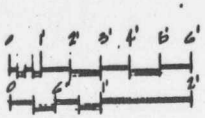
WEST PARLOR - PROPOSED RECONSTRUCTION OF EAST WALL
SCALE ½" = 1'-0"



SECTION 1-1 PANELING FOR FIREPLACE SURROUND P.S.



MOLDING - CUPBOARD SURROUND P.S.



DESIGNED: WCASSIDY	SUB SHEET NO.	TITLE OF SHEET: REPRODUCTION HILLWORK, CPT. NH. SMITH HOUSE, VIRGINIA ROAD MINUTEMAN NAT. HISTORICAL PARK, LINCOLN, MASSACHUSETTS	DRAWING NO. D2553 002
DRAWN: DNL			PKG. NO.
TECH. REVIEW:			SHEET 15 OF 15
DATE: 04/1984			

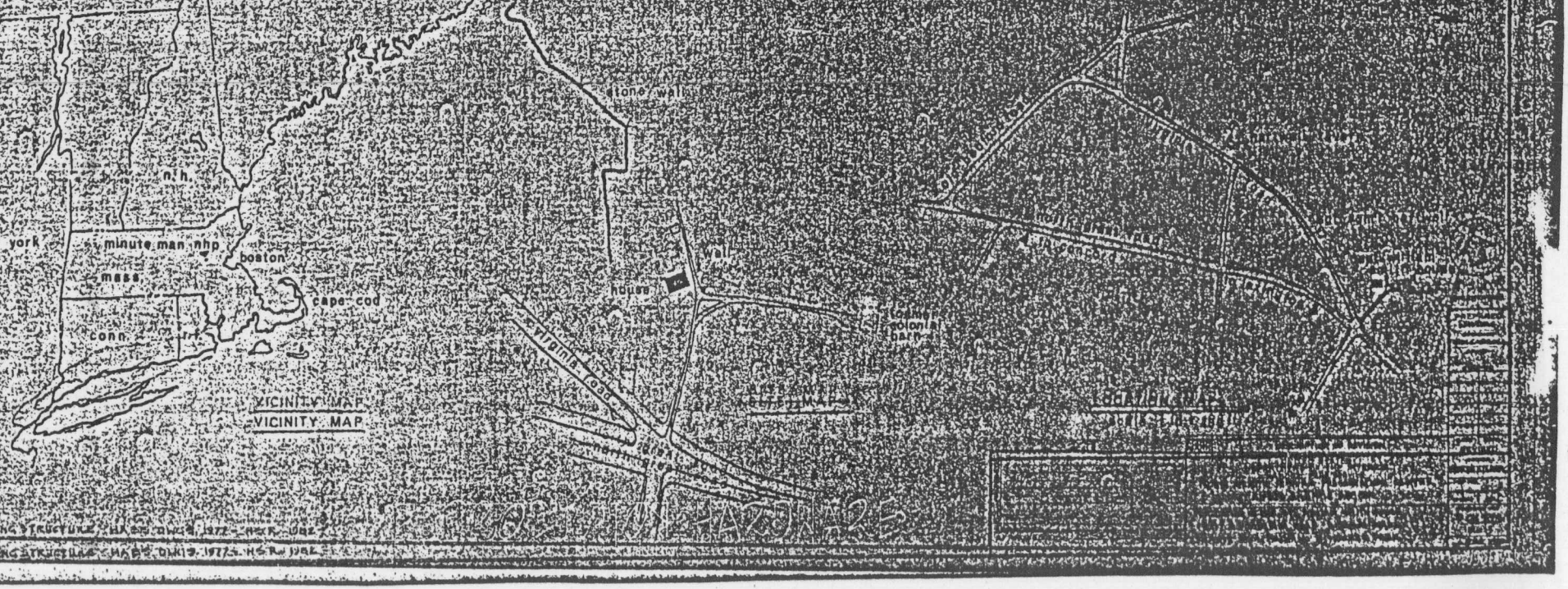
EXISTING STRUCTURE BUILT IN CA. 1692/93

MINUTE MAN
NATIONAL HISTORICAL PARK

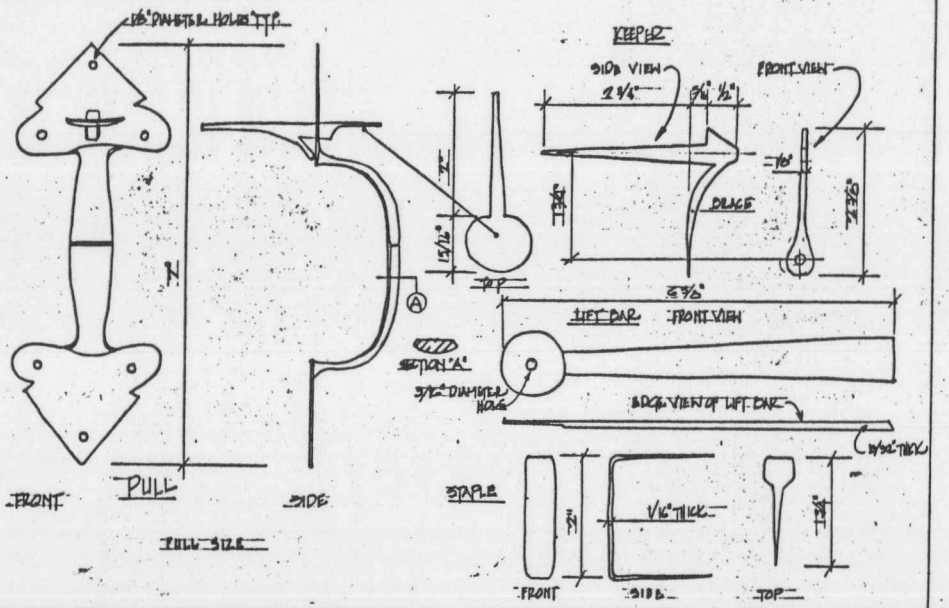
MASSACHUSETTS

RESTORATION OF THE CAPT. WM. SMITH HS.

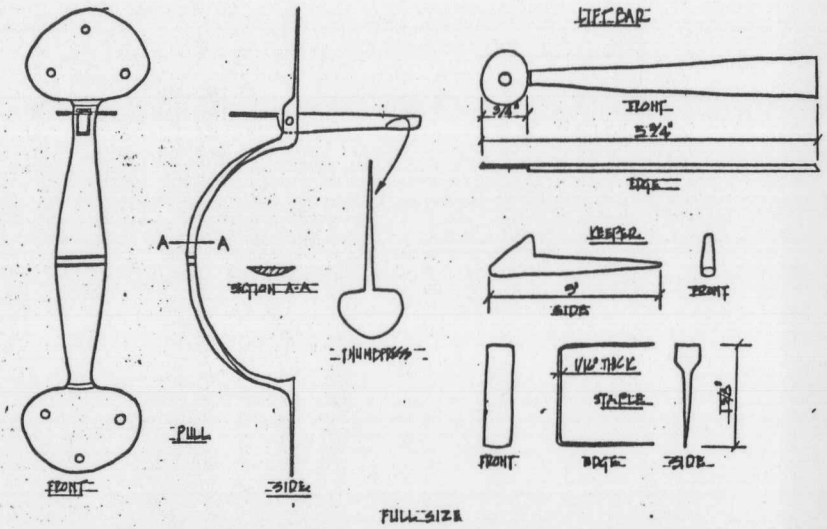
VIRGINIA ROAD — LINCOLN MASSACHUSETTS



① C1692 LATCHSET



② C1750 LATCHSET



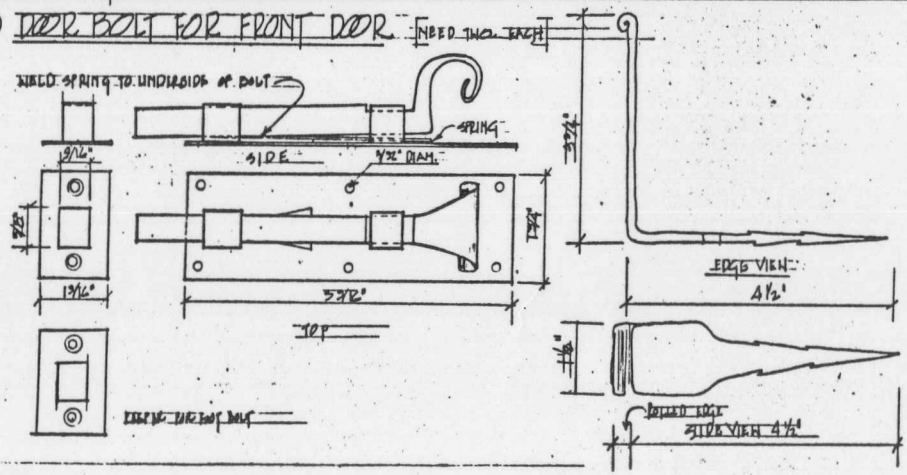
SCHEDULE - C1692 TYPE LATCHSETS

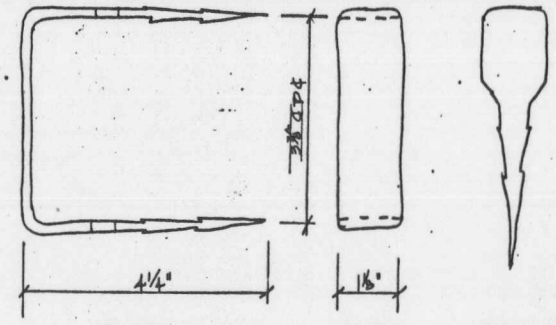
ITEM NO	LATCHSET NUMBER	QUANTITY	DOOR LOCATION	REMARKS
1	1	4	1 CELLAR DOOR-EAST PARLOR 2 NORTH DOOR INTO LEAN-TO - EAST PARLOR 3 NORTH DOOR INTO LEAN-TO - WEST PARLOR 4 DOOR IN NORTH CHIMNEY BAY - 2ND FL	FURNISH LATCHSETS W/APPROPRIATE SIZE & NUMBER OF NAILS

SCHEDULE - C1750 TYPE LATCHSETS

ITEM NO.	LATCHSET NUMBER	QUANTITY	DOOR LOCATION	REMARKS
1	2	10	WEST PARLOR (HALLWAY CLOSET) EAST PARLOR (HALLWAY CLOSET) WEST CHAMBER (HALLWAY & CLOSET) EAST CHAMBER (HALLWAY & CLOSET) LEAN-TO - SIX (6) DOORS	FURNISH LATCHSETS W/APPROPRIATE SIZE & NUMBER OF NAILS FURNISH ONE THUMBPIECE WITH RAT-TAIL END 8" LONG FOR 1 1/2" THICK EXTERIOR DOOR

③ DOOR BOLT FOR FRONT DOOR (NEED TWO EACH)

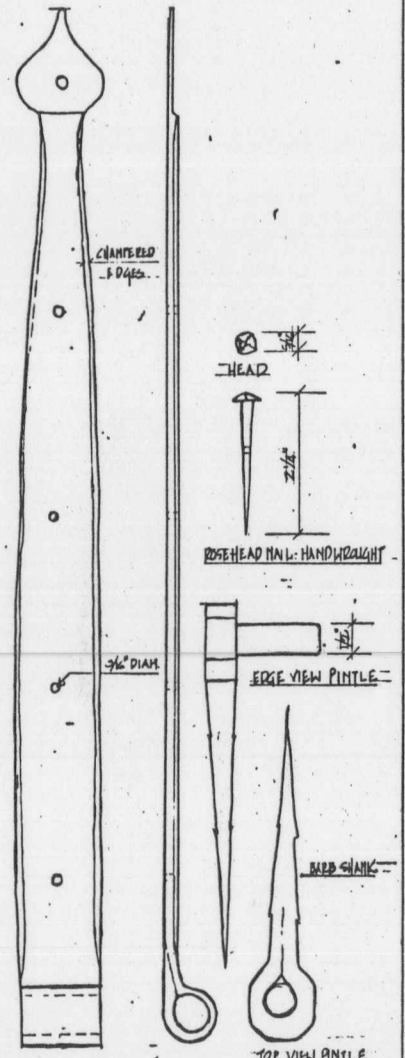




STAPLE FRONT DOOR E.S.

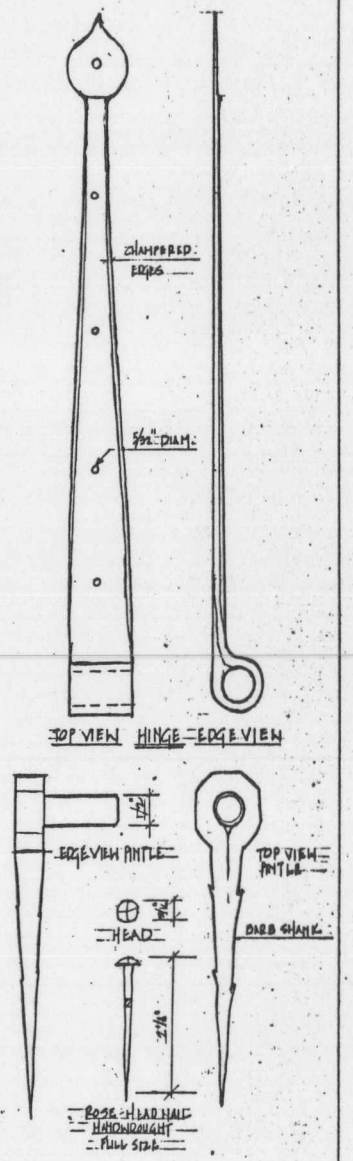
PREPARED	DRAWING NO.
TYPICAL	D CC553
DESIGNED	003
DRAWN	SCALE
CHECKED	SHEET 2 OF 3
DATE	

(B) STRAP HINGE & PINTLE



STRAP HINGE FOR SOUTH & EAST EXTERIOR DOORS

(C) STRAP HINGE & PINTLE

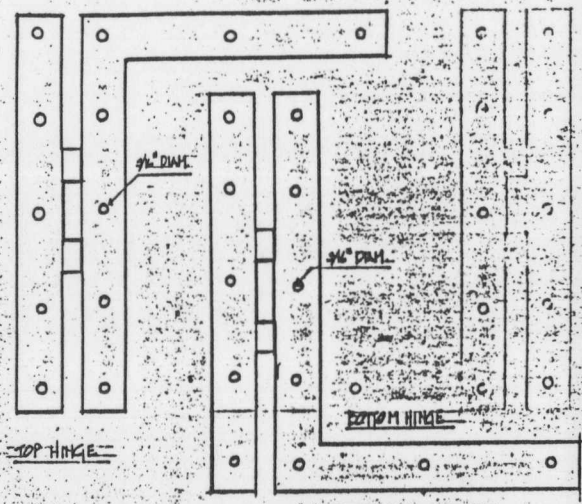


(A) U-HINGE



CELLAR DOOR HINGE - EAST PARLOR
FULL SIZE

(D) H-T HINGE



SCHEDULE OF HINGES

ITEM NO.	SYMBOL	TYPE	QUANTITY	DOOR LOCATION	REMARKS
1	A	17" STRAP HINGE W/ PINTLES & NAILS	1 PAIR	SOUTH EXTERIOR DOOR 1ST FL. CBSH. HOUSE	SLIP FIT PINTLE W/ BACK HINGE KEPT 5/8" W/ 2 1/4" ROSE HEAD NAILS
2	A	17" STRAP HINGE W/ PINTLES & NAILS	1 PAIR	EAST EXTERIOR DOOR AT LEAN-TO 1ST FL.	DO
3	D	11 1/2" STRAP HINGE W/ PINTLES & NAILS	1 PAIR	FOURTH DOOR TO LEAN-TO FROM EAST PARLOR 1ST FL.	DO
4	D	11 1/2" STRAP HINGE W/ PINTLES & NAILS	1 PAIR	DOOR IN NORTH CHIMNEY BAY 2ND FL. TO LEAN-TO	DO
5	C	2" H-HINGE W/ NAILS	1 PAIR	CELLAR DOOR-EAST PARLOR 1ST FL.	FURNISH & HAND WROUGHT ROSEHEAD NAILS PER HINGE
6	D	U-L HINGE 3 3/4" x 2 1/2" LONG	9 PAIRS	& LIKEWISE: EAST PARLOR (HALLWAY) WEST PARLOR (HALL & CLOSET) EAST CHAMBER (HALL & CLOSET) WEST CHAMBER (HALL & CLOSET) LEAN-TO: CELLAR - 1ST FL. STAIRWAY - 1ST FL. BACK BAL. - 1ST FL. PANTRY - 1ST FL. WEST BAL. - 2ND FL.	FURNISH 12 HAND WROUGHT ROSEHEAD NAILS PER HINGE DO

EXISTING STRUCTURE - CPT. WM SMITH HOUSE

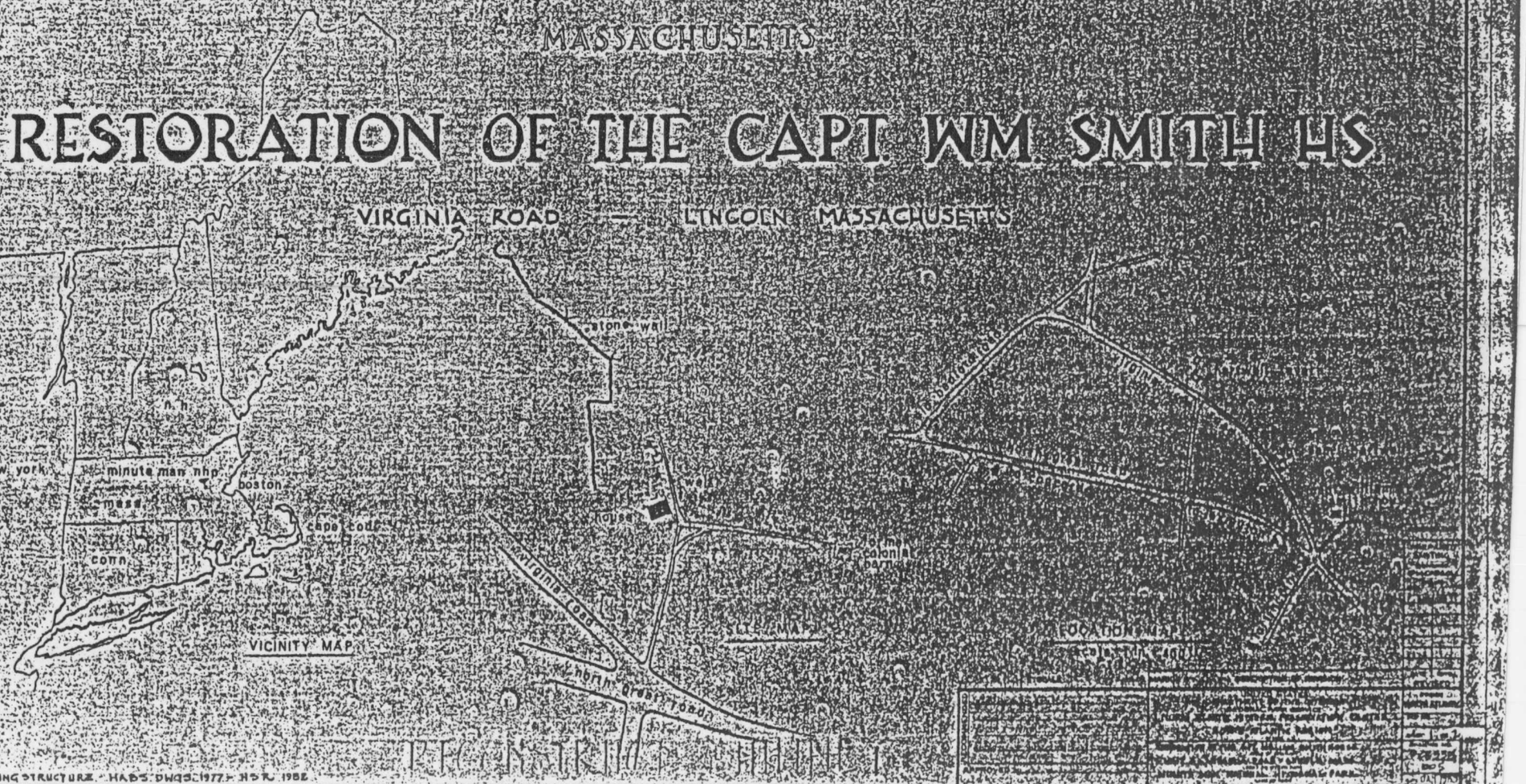
PREPARED FROM ORIGINAL DESIGNED B. MCCARROLL
DRAWN
CHECKED
DATE

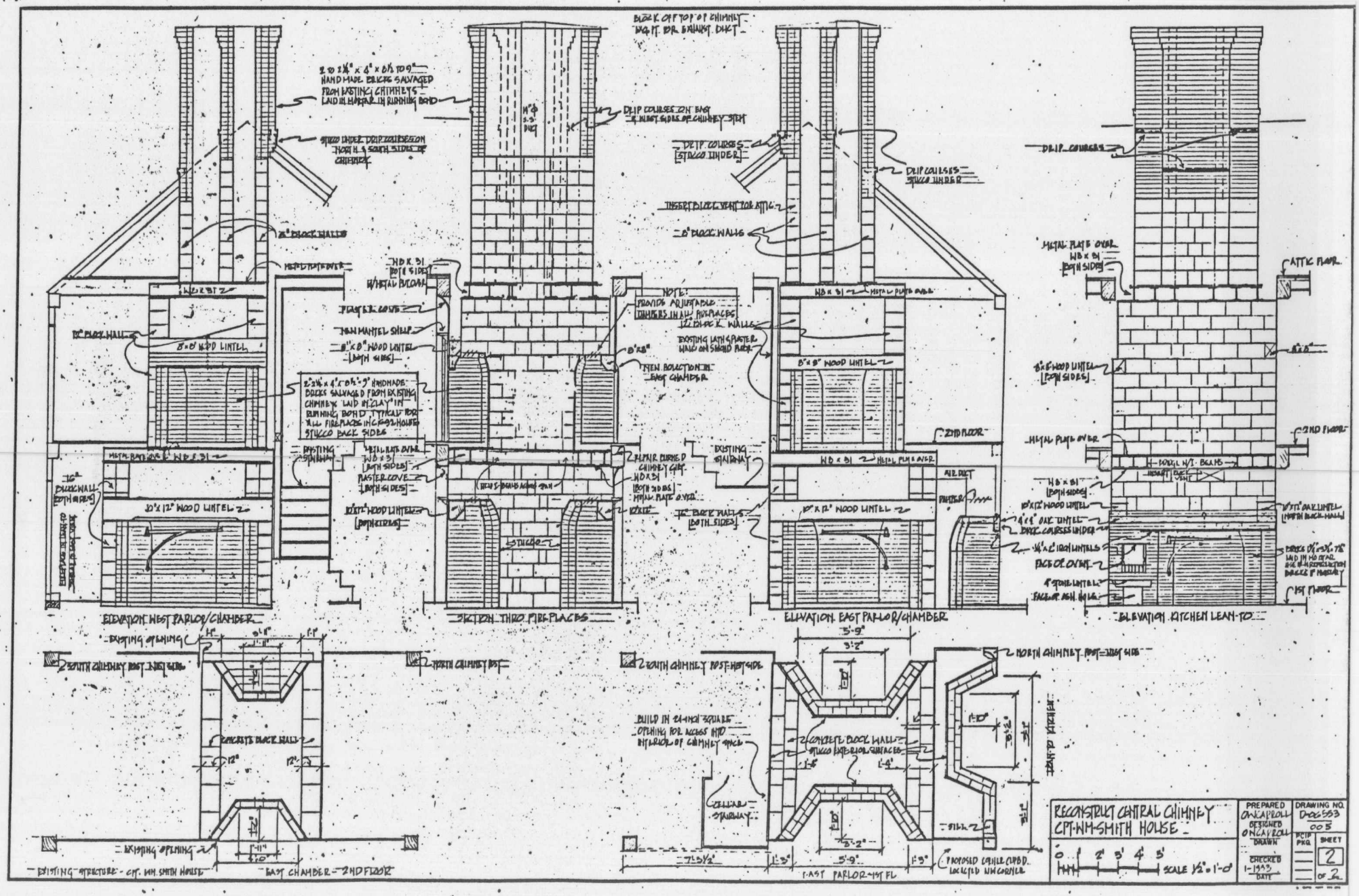
DRAWING NO. D-06353 -003
PCTR PROJ
SHEET 3 OF 3

MINUTE MAN
NATIONAL HISTORICAL PARK
MASSACHUSETTS

RESTORATION OF THE CAPT. WM. SMITH HS.

VIRGINIA ROAD — LINCOLN, MASSACHUSETTS



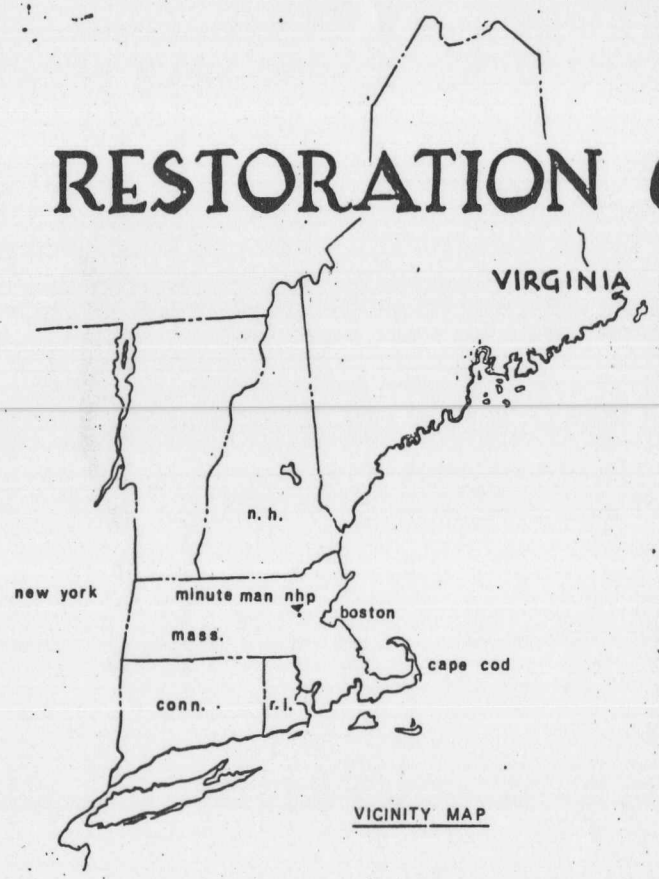

ELEVATION WEST PARLOR/CHAMBER
SECTION THRU FIREPLACES
ELEVATION EAST PARLOR/CHAMBER
ELEVATION KITCHEN LEAN-TO
EXISTING OPENING
SOUTH CHIMNEY POST
NORTH CHIMNEY POST
CONCRETE BLOCK WALL
EXISTING STRUCTURE - CPT. WM. SMITH HOUSE
EAST CHAMBER - 2ND FLOOR
EAST PARLOR - 1ST FL
PROPOSED CABLE CUBBD. LOCATED NW CORNER
RECONSTRUCT CENTRAL CHIMNEY
CPT. WM. SMITH HOUSE
SCALE 1/2" = 1'-0"
PREPARED ONCAPROLL
DESIGNED ONCAPROLL
DRAWN
CHECKED
1-1983
DATE
DRAWING NO. Doc553 005
PCIP PKG.
SHEET 2 OF 2

MINUTE MAN
NATIONAL HISTORICAL PARK

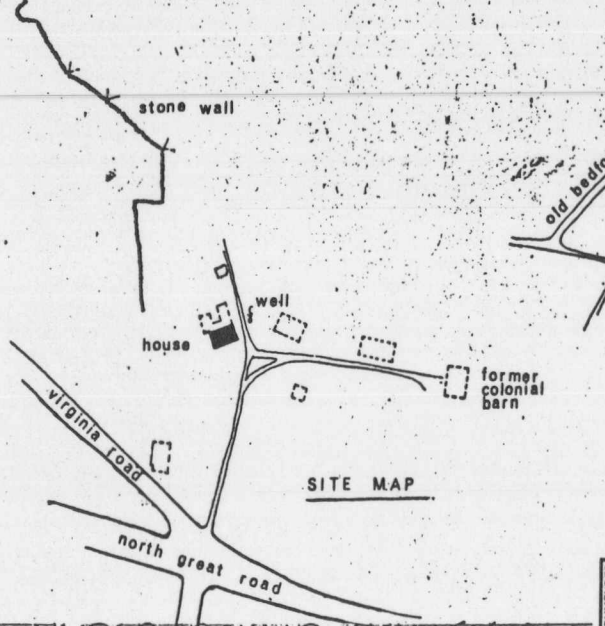
MASSACHUSETTS

RESTORATION OF THE CAPT. WM. SMITH HS.

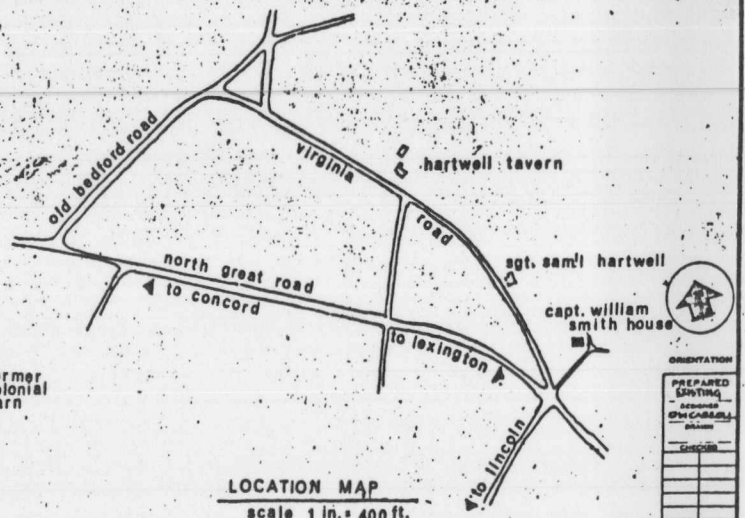
VIRGINIA ROAD — LINCOLN MASSACHUSETTS



VICINITY MAP



SITE MAP



LOCATION MAP
scale 1 in. = 400 ft.

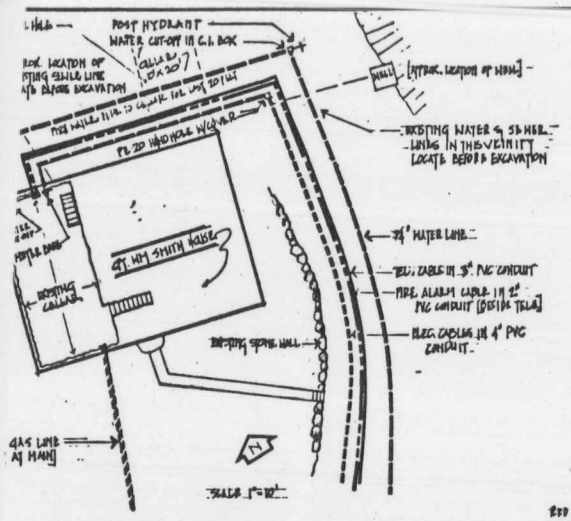
PROPOSED UNDERGROUND UTILITIES

BASIC DATA EXISTING STRUCTURE - HABS. HWQS. 1977 - H.S.R. 1982

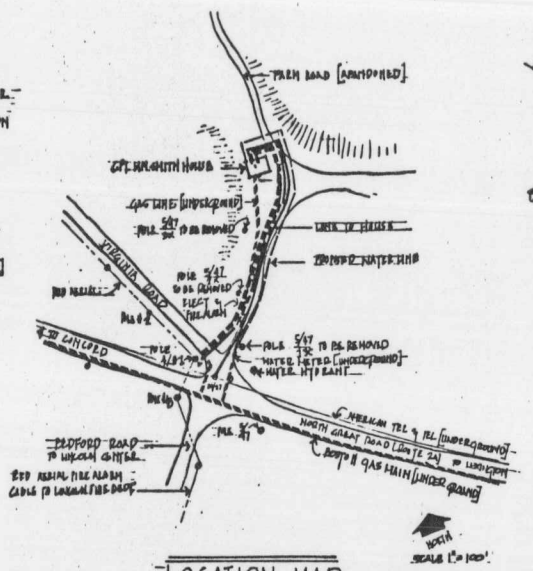
UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION

RESTORATION OF THE CPT. WILLIAM SMITH HOUSE
UNIT A - VIRGINIA ROAD - LINCOLN MASS.
MINUTE MAN NATIONAL HISTORICAL PARK

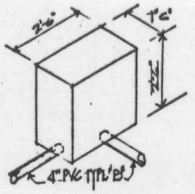
DESIGNED GW CASSELL
DRAWN
CHECKED
DATE | INITIAL
REVISED
REGION NORTH ATLANTIC
FOLDER NO.
SHEET | OF
DRAWING NO. P86223
CADD



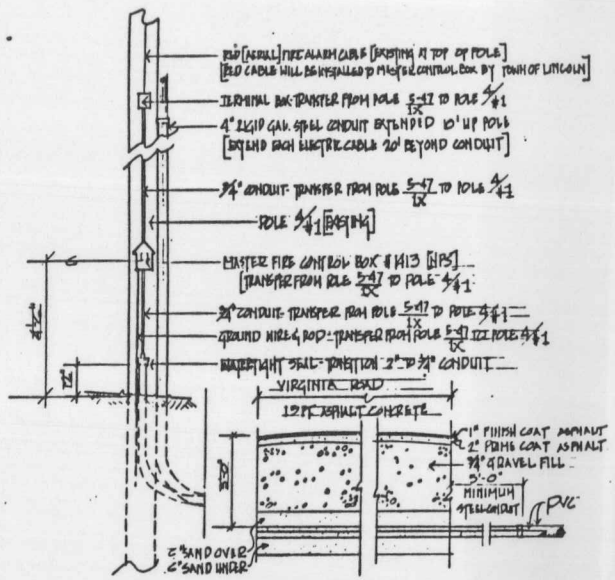
SITE PLAN [AT SMITH HOUSE]



LOCATION MAP

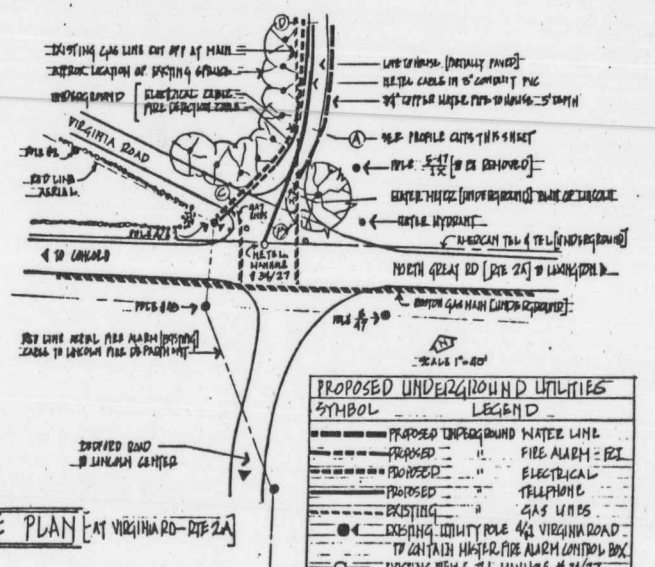


PE-20 SPLICE BOX PLASTIC W/COVER FOR ELECTRIC CABLES



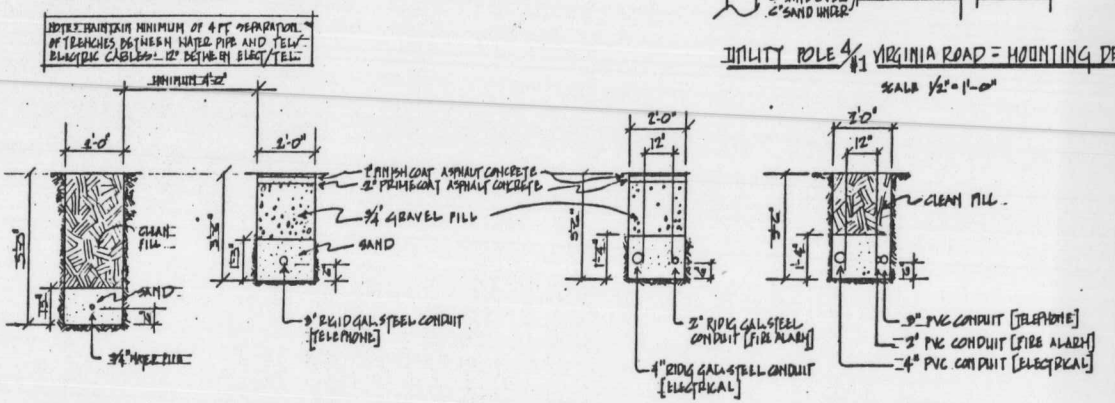
UTILITY POLE 4/1 VIRGINIA ROAD - MOUNTING DETAILS

SCALE 1/2"=1'-0"



SITE PLAN [AT VIRGINIA RD - RTE 2A]

PROPOSED UNDERGROUND UTILITIES	
SYMBOL	LEGEND
———	PROPOSED UNDERGROUND WATER LINE
- - - -	PROPOSED " FIRE ALARM - RED
- - - -	PROPOSED " ELECTRICAL
- - - -	PROPOSED " TELEPHONE
———	EXISTING " GAS LINES
●——●	EXISTING UTILITY POLE 4/1 VIRGINIA ROAD TO CONTAIN MASTER FIRE ALARM CONTROL BOX
○	EXISTING AMER. TEL. MANHOLE # 34/27
OW	EXISTING WATER METER UNDERGROUND
⊕	EXISTING WATER HYDRANT



PROFILE (A) PROFILE (B) PROFILE (C) PROFILE (D)

TRENCH EXCAVATIONS

SCALE 1/2"=1'-0"

H SMITH HS - EXISTING STRUCTURE

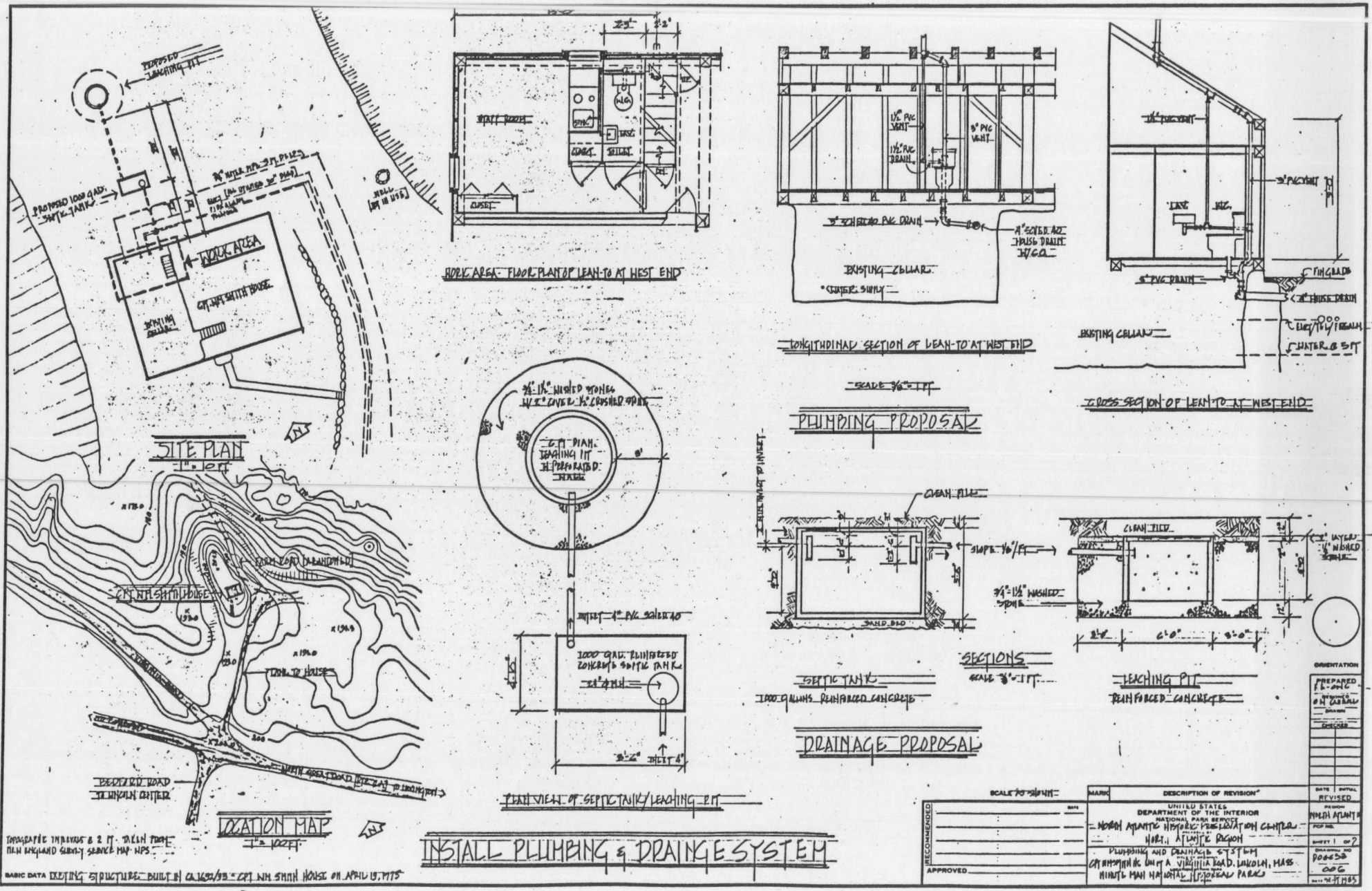
PROPOSED UNDERGROUND UTILITIES — CPT. WM. SMITH HOUSE

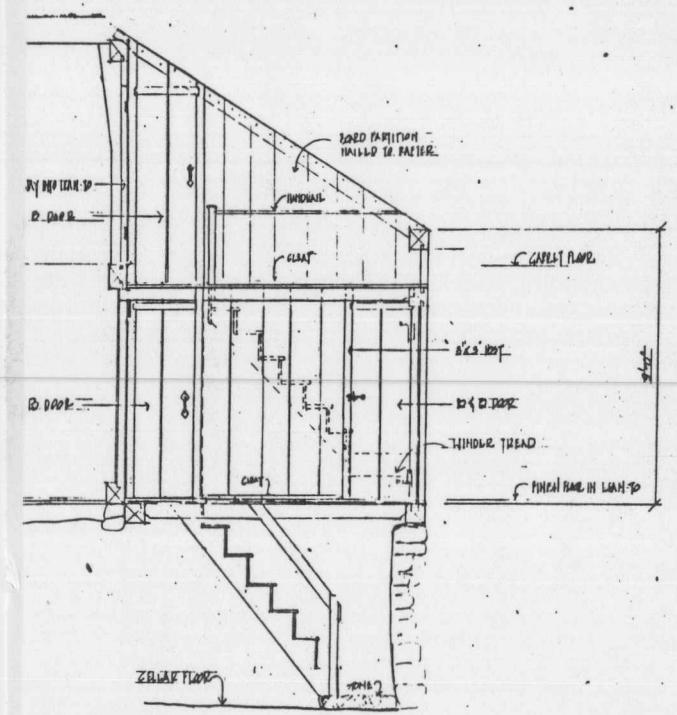
UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

DESIGNED: DNCARROLL
DRAWN: DN CARROLL
TECH. REVIEW:
DATE: JANUARY 1983

TITLE OF DRAWING: PROPOSED UNDERGROUND UTILITIES-CPT. WM SMITH HS
LOCATION WITHIN PARK: UNIT A - VIRGINIA ROAD - LINCOLN, MASS
NAME OF PARK: MINUTE MAN NATIONAL HISTORICAL PARK
REGION: NORTH ATLANTIC | COUNTY: MIDDLESEX | STATE: MASSACHUSETTS

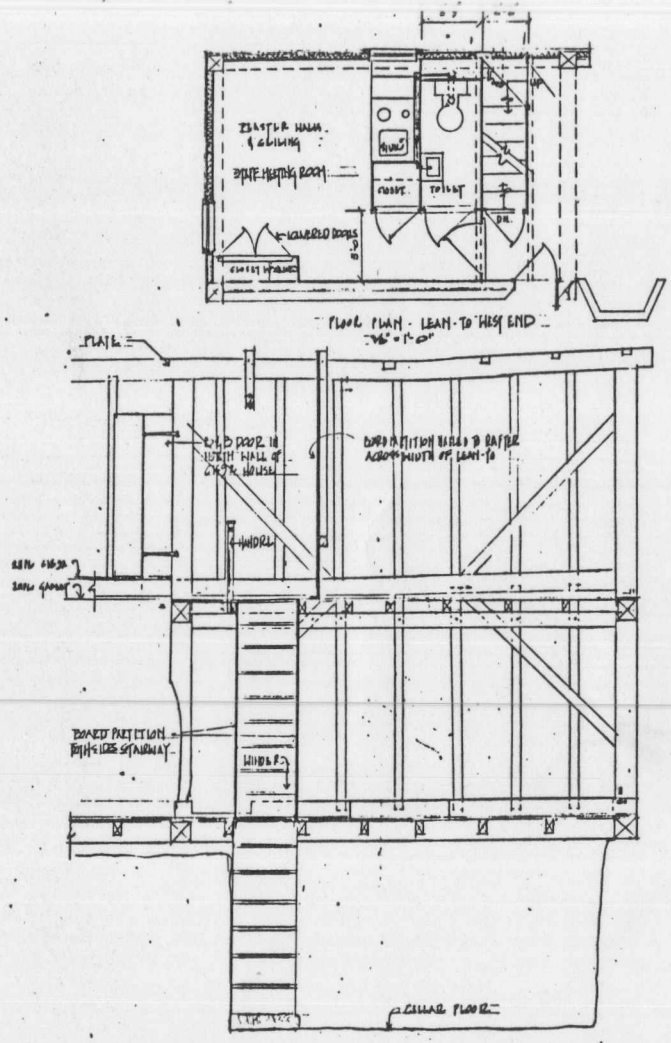
DRAWING NO. D-06553 OOL
PKG. NO. —
SHEET 2 OF 2


SITE PLAN
1" = 10'-0"
WORK AREA
CAPT. WM. SMITH HOUSE
PROPOSED LEACHING PIT
PROPOSED 1000 GAL. SEPTIC TANK
WELL (NOT IN USE)
FARM ROAD (ABANDONED)
TRAIL TO HOUSE
BEDFORD ROAD TO LINCOLN CENTER
LOCATION MAP
1" = 100'-0"
WORK AREA FLOOR PLAN OF LEAN-TO AT WEST END
LONGITUDINAL SECTION OF LEAN-TO AT WEST END
SCALE 3/8" = 1'-0"
CROSS SECTION OF LEAN-TO AT WEST END
PLUMBING PROPOSAL
DRAINAGE PROPOSAL
PLAN VIEW OF SEPTIC TANK/LEACHING PIT
SECTIONS
SCALE 3/4" = 1'-0"
SEPTIC TANK
1000 GALLONS REINFORCED CONCRETE
LEACHING PIT
REINFORCED CONCRETE
INSTALL PLUMBING & DRAINAGE SYSTEM
CAPT. WM. SMITH HOUSE
MINUTE MAN NATIONAL HISTORICAL PARK
NORTH ATLANTIC REGION
DRAWING NO. 00653 006
DATE 4-11-1975
BASIC DATA EXISTING STRUCTURE BUILT IN CA. 1650/90 = CAPT. WM. SMITH HOUSE ON APRIL 19, 1775
TOPOGRAPHIC INFORMATION & 2 FT. CONTOUR FROM NEW ENGLAND GLOBAL SERVICE MAP NPS
UNITED STATES DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE
NORTH ATLANTIC HISTORIC PRESERVATION CENTER
NORTH ATLANTIC REGION
PLUMBING AND DRAINAGE SYSTEM
CAPT. SMITH HOUSE UNIT A VIRGINIA ROAD, LINCOLN, MASS
MINUTE MAN NATIONAL HISTORICAL PARK
SCALE AS SHOWN
RECOMMENDED
APPROVED
MARK
DESCRIPTION OF REVISION
DATE
INITIAL
REVISED
PREPARED IN OFFICE OF
DRAWN
CHECKED
ORIENTATION



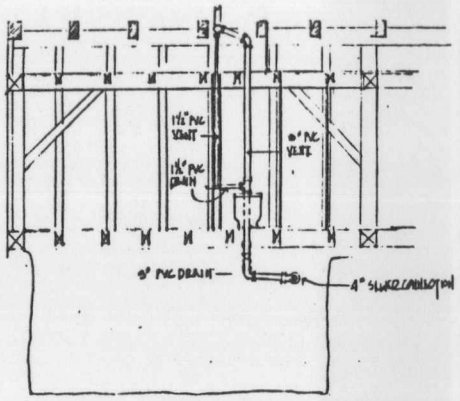
CROSS SECTION THRO LEAN-TO AT STAIRWAY

SCALE ½"=1'-0"

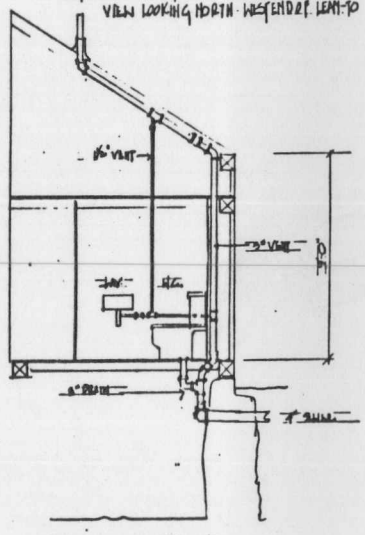


FLOOR FRAMING OF LEAN-TO INTO WEST END OF CA 1693 HOUSE

FLOOR PLAN - LEAN-TO WEST END
¾" = 1'-0"



LONGITUDINAL SECTION @ ⅜"-1'
VIEW LOOKING NORTH - WEST END OF LEAN-TO



CROSS SECTION @ ½"-1'
PROPOSED TOILET ROOM

0 1' 2' 3' 4' 5' 6'
SCALE ⅜"=1'-0"
0 1' 2' 3' 4' 5'
SCALE ½"=1'-0"

RECONSTRUCTED ON NORTH SIDE OF CPT. WM. SMITH HOUSE

DESIGNED: J.N. CARROLL DRAWN: J.N. CARROLL TECH. REVIEW: DATE: JAN /1984	SUB SHEET NO	TITLE OF SHEET DETAIL STAFF MEETING ROOM & TOILET IN LEAN-TO OF CPT. WM. SMITH HOUSE VIRGINIA ROAD - LINCOLN, MASS. MINUTE MAN NATIONAL HISTORICAL PARK	DRAWING NO. DO553 /06 PKG. NO. SHEET 1 OF 2