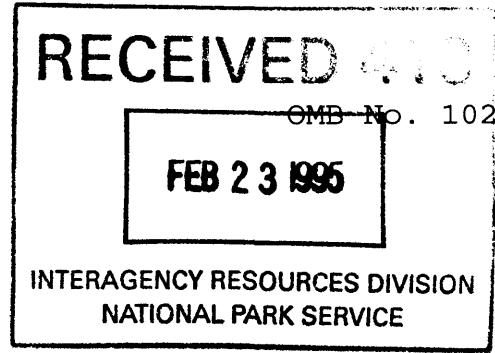


336

NPS Form 10-900
(Rev. 10-90)

United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM**



=====

1. Name of Property

=====

historic name Ranger Station

other names/site number Old Administration Building; Ranger's Residence, HS-1

=====

2. Location

=====

street & number Jewel Cave National Monument, old administration area, Route 1, Box 60AA

not for publication

city or town Custer vicinity X

state South Dakota code SD county Custer code 033 zip code 57730

=====

3. State/Federal Agency Certification

=====

As the designated authority under the National Historic Preservation Act of 1986, as amended, I hereby certify that this X nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property X meets does not meet the National Register Criteria. I recommend that this property be considered significant nationally statewide X locally. (See continuation sheet for additional comments.)

[Signature] Signature of Federal Preservation Officer 2/15/95 Date

National Park Service
Federal agency

In my opinion, the property meets does not meet the National Register criteria. (See continuation sheet for additional comments.)

[Signature] Signature of commenting official 1-26-95 Date

South Dakota State Historic Preservation Office
State agency

Ranger Station, Jewel Cave National Monument, Custer County, SD

4. National Park Service Certification

I, hereby certify that this property is:

- entered in the National Register
 ___ See continuation sheet.
- determined eligible for the National Register
 ___ See continuation sheet.
- determined not eligible for the National Register
- removed from the National Register
- other (explain): _____

Linda McClelland 4/5/95

Signature of Keeper Date of Action

5. Classification

Ownership of Property

- private
- public-local
- public-State
- public-Federal

Category of Property

- building(s)
- district
- site
- structure
- object

Number of Resources within Property

Contributing	Noncontributing
1	_____ buildings
_____	_____ sites
_____	_____ structures
_____	_____ objects
1	_____ Total

Number of contributing resources previously listed in the National Register 0

Name of related multiple property listing Jewel Cave National Monument Multiple Property Submission

Ranger Station, Jewel Cave National Monument, Custer County, SD

=====
6. Function or Use
=====

Historic Functions

Cat: RECREATION AND CULTURE Sub: outdoor recreation
DOMESTIC single dwelling

Current Functions

Cat: DOMESTIC Sub: single dwelling
RECREATION AND CULTURE outdoor recreation

=====
7. Description
=====

Architectural Classification

Other: NPS Rustic

Materials

foundation: STONE
roof: WOOD
walls: LOG
other: chimney- STONE

Narrative Description

(See continuation sheet)

=====
8. Statement of Significance
=====

Applicable National Register Criteria

- X A Property is associated with events that have made a significant contribution to the broad patterns of our history.
- ___ B Property is associated with the lives of persons significant in our past.
- X C Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- ___ D Property has yielded, or is likely to yield information important in prehistory or history.

Criteria Considerations

- ___ A owned by a religious institution or used for religious purposes.
- ___ B removed from its original location.
- ___ C a birthplace or a grave.
- ___ D a cemetery.
- ___ E a reconstructed building, object, or structure.
- ___ F a commemorative property.
- ___ G less than 50 years of age or achieved significance within the past 50 years.

Ranger Station, Jewel Cave National Monument, Custer County, SD

Areas of Significance: ARCHITECTURE; CONSERVATION; POLITICS/GOVERNMENT

Period of Significance: 1935-1944

Significant Dates: 1935

Significant Person: N/A

Cultural Affiliation: N/A

Architect/Builder: National Park Service/ Civilian Conservation Corps

Narrative Statement of Significance

(See continuation sheet)

=====
9. Major Bibliographical References

Good, Albert H.

1990 Park and Recreation Structures. Graybooks: Boulder.

National Archives

Master Plans with Narratives. Architectural and Cartographic Branch,
RG 79.

National Park Service

Original plans, specifications and correspondence maintained by the
National Park Service Technical Information Center, Denver.

Simmons, R. Laurie and Thomas H.

1992 Colorado National Monument Multiple Property Submission. National Park
Service: Denver

=====
Previous documentation on file (NPS)

___ preliminary determination of individual listing (36 CFR 67) has been
requested.

___ previously listed in the National Register

___ previously determined eligible by the National Register

___ designated a National Historic Landmark

___ recorded by Historic American Buildings Survey # _____

___ recorded by Historic American Engineering Record # _____

Primary Location of Additional Data

___ State Historic Preservation Office

___ Other State agency

X Federal agency

___ Local government

___ University

___ Other

Name of repository: National Park Service, Rocky Mountain Region, Denver, CO.

Ranger Station, Jewel Cave National Monument, Custer County, SD

=====
10. Geographical Data
=====

Acreage of Property less than 1 acre

UTM References (Place additional UTM references on a continuation sheet)

	Zone	Easting	Northing
1	13	593300	4842700

Township, Range, Section: T4S R2E, Sec 2

Verbal Boundary Description: This property is a rectangular parcel measuring 31 x 47 feet whose northeast corner is 10 feet directly northeast of the northeast corner of the building foundation and whose southwest corner is 14 feet directly southwest of the southwest corner of the foundation of the cabin.

Boundary Justification: The boundaries of this property are drawn to include the ranger's cabin and the land within the immediate vicinity of the building. Because this is part of a much larger park area there are no legal boundary lines for the property. The boundary is purposely described as a small area to avoid any modern intrusions and non-building features such as trails and roads.

=====
11. Form Prepared By
=====

name/title Ken Karsmizki
organization Western History Research **date** 6/1993; rev. McKoy, 11/94
street & number 409 West Harrison **telephone** 406-587-2478
city Bozeman **state** MT **zip code** 59715

=====
Property Owner
=====

name Jewel Cave National Monument
street & number Route 1, Box 60AA **telephone** 605-673-2288
city or town Custer **state** SD **zip code** 57730

United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET**

Section number 7 Page 1

Ranger Station, Jewel Cave National Monument, Custer County, SD

NARRATIVE DESCRIPTION

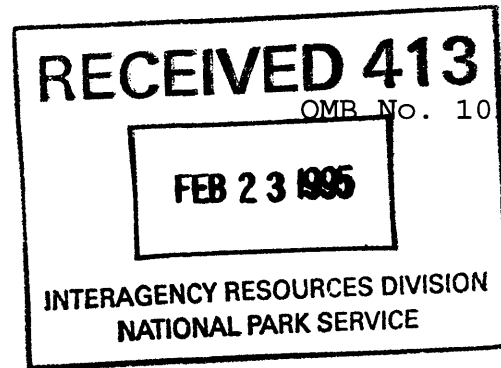
Setting:

The historic Ranger Station is located off US Highway 16 west of Custer, South Dakota. It is approximately .75 miles west of the modern Jewel Cave National Monument visitor center. The Ranger Station, trail and cave entrance are located in the northwest portion of Jewel Cave National Monument. Jewel Cave National Monument consists of two square miles of park area characterized by the rugged hills and canyon country of the Black Hills. The Ranger Station was built on the crest of a hill which runs downslope from the northwest to the southeast. The historic trail runs from an area immediately southeast of the historic Ranger Station, arcs out from the station to the southwest facing ridge, descends through a rock outcropping, and follows the base of the cliff to the cave entrance. The setting of the historic cave entrance area is a ponderosa pine forest with moderate to thick ground vegetation and mature trees. A gravel road provides access to this area from US 16, but a locked gate prohibits entrance to the area except for authorized use. The Ranger Station, trail, and cave entrance can be seen from US 16 at a point opposite these features and on the west side of Hell Canyon, although they are partially screened by the forest. The Ranger Station faces roughly east, the cave entrance opens west onto Hell Canyon, and the trail runs between the two by first arcing south-southwest and then returning northwest down a stairway through a rock outcropping.

Exterior:

Constructed in 1935, this building was included in Albert H. Good's *Park and Recreation Structures* and was described as "being almost a miniature in scale, this cabin is something of a concentrated essence of log cabin structural technique" (Reprint 1990:85). It was originally used as a ranger station at Jewel Cave and is presently used as a seasonal residence for park employees. The building is an excellent example of NPS designed rustic architecture.

This is an irregularly shaped single story structure, 33'8" (side-to-side) by 20'11" (front-to-back) not including the porch. It is a modified "T" plan with an extended east wall where restrooms are located. The building has approximately 663 square feet of floor space. This figure is based on the residential space and the attached restrooms. The front porch (7'11"x11'6") adds another 125 square feet of space. It is aligned with cardinal directions and the front facade faces east. The building is located on the crest of a hill and there is a slight slope in the grade downward from back to front.



United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET**

Section number 7 Page 2

Ranger Station, Jewel Cave National Monument, Custer County, SD

Description Continued

The log residence has a stone foundation with a concrete cap. A small rectangular vent is located in the foundation south of the porch on the front facade. Dowels, 3/8"x12" probably metal, are used to secure the sill log to the foundation. All exterior walls are round logs, approximately 9" in diameter, which have been peeled. A saddle notch is used on all corners. The logs have been stained a dark brown and the daubing is white. All logs are extended at the corners and ends are "whittled."

Half round logs are used between paired window openings. Quarter round poles are used as a finish element around the window sash. Logs are beveled at all window and door openings. The majority of the windows are standard sized 1/1 double hung style. All windows appear to be original. Windows are paired in three locations, on the front facade (south of the porch), centered on the north end wall, and centered on the rear (west) wall of the kitchen. A smaller 1/1 double hung window is centered on the north wall of the kitchen. Another smaller 1/1 double hung window is off-center to the north on the north wall of the western arm of the "T". On the same wall, a short distance further west is another small window opening which uses a single pane window. A single pane window is also located off-center to the east on the south wall of the restroom extension. Sash for all windows is wood. Two openings are found on the west wall of the northern arm of the "T". These openings are presently in-filled using plywood. The building plans indicate that louvered vents were used at that location. This vent provided air circulation for the small pantry area off the kitchen. A small vent is located in each gable end.

A plank door is found at the front (main) entry. This uses two vertical (1/2"x4") and three horizontal (1/2"x6") boards to form a box pattern and has a small window centered in the upper door section. The vertical boards are symmetrically placed. The horizontal boards are immediately above and below the window, with the third placed near the bottom of the door. Two small metal bars are attached to the door and protect the window. The restroom doors are of a similar design without the small window. The back door has a single large rectangular panel below a four pane window.

The roof has an intersecting gable design. Log purlins are employed at the ridge and as plate logs at the top of each wall. Smaller diameter logs, or poles, with squared ends are used as rafters. The roof is sheathed with 1x8 inch boards and covered with wooden shingles. Wooden shingles are also used to finish the ridge. Because the restroom extension on the south end of the building is not as deep as

United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET**

Section number 7 Page 3

Ranger Station, Jewel Cave National Monument, Custer County, SD

Description Continued

the main front facade, the wall steps back from the line of the main facade. This shorter dimension also results in the ridge line of the restroom extension stepping down from the main (north-south) ridge line. A stone chimney is on the rear (east-west) gable at its junction with the main (north-south) gable. Metal and tile pipes extend above the top of the stone chimney.

A front porch has a shed roof which extends from the main ridge line to the outside edge of the porch. The slope of the porch roof is at a different pitch than the main roof and, therefore, is slightly raised above the main east facing roof slope. The space between the roof line of the porch and the main roof line is enclosed using a board-and-batten wall. The porch roof is supported by log uprights at each of the four corners. A log "rail" extends along the sides from the front to the rear corner log uprights. Short upright log segments extend from the floor to support this rail. The roof is somewhat larger than the porch and the lower purlin is supported by knee braces extending from the outside of the log uprights on the front corners. Purlins are exposed on this porch roof as are the pole rafters. The roof is covered with wooden shingles. Half round logs are used as flooring for the front porch and approach steps. Sill logs placed on a stone foundation support the porch flooring. Stone steps are found at the entries to both restrooms and the rear door entryway. There is evidence of the shed addition which was placed on the rear wall of the southern arm of the "T" at the rear entryway. This evidence is primarily seen in a noticeably different color on the exterior log surfaces.

Interior:

The historic floor plan of this structure survives. The interior has a living room, kitchen with small pantry, a bedroom, and bathroom. Two restrooms are accessible from the exterior for visitors. All interior rooms, including the visitor's restrooms have been remodeled. Remodeling included replacing all of the trim around windows, doors, and floors. The windows have the original framing. A drop ceiling has been added in all rooms. It is believed that originally the ceiling consisted of open log rafters. All interior wall and floor coverings have been replaced including those in the visitor restrooms. Fixtures have also been replaced. Kitchen cabinets appear to be original. The fireplace is original. It is made with coursed rock faced stone. Two round log ends protruding through the rock support a hewn log mantel.

United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET**

Section number 7 Page 4

Ranger Station, Jewel Cave National Monument, Custer County, SD

Description Continued

Historical Information, Construction:

The building plans for this structure were drawn by the NPS Branch of Plans and Design. These plans are identified as JC-3001 A, dated 1935 and a notation on the plans indicates that the job was completed in 1935. Correspondence indicates this log cabin was an Emergency Conservation Work (CCC) project. These plans show the building essentially as it appears at present. The doors are original and all window openings appear unchanged with the exception of the louvered vent on the north rear wall segment. This louvered wall segment was designed to ventilate the cooler and food storage area directly off the kitchen. Plywood is used to infill these openings. The plans show 8" logs were proposed to finish the ridges and an historical photograph seems to show logs on the ridges as planned.

The property file for this building bears the date 1949 and identifies this building as the Ranger Station. The property file indicates that the structure was remodeled in 1949. Additional information in the property file indicates that a rear shed porch was added in 1946 and was built of salvaged lumber. An undated floor plan for the building which is included in the property file shows an enclosed shed porch located on the rear of the building immediately outside of the rear (kitchen) door. One historical photograph shows the rear shed addition. The property file indicates that the interior of the building had plaster board walls and ceilings covered with "cold water paint" and wooden floors. It was also reported that it had a coal and wood burning kitchen range.

This building was identified as the "old administration building" in a 1975 inventory of the site. The inventory indicates that the building was built in 1935 and later remodeled into a Ranger Station/Residence. It was used for that purpose at the time of the 1975 inventory. This 1975 inventory also remarks that this building's "architecture is worthy of merit, being a fine example of log architecture." A photograph included in the 1975 inventory shows the rear addition still in place.

MODIFICATIONS

Exterior: In 1946 a shed addition was made to the rear of the building immediately outside of the kitchen door. In 1982 the shed addition was removed and the building resumed its original exterior form. Louvered vents in the pantry were infilled with plywood but this alteration is reversible.

Interior: Public restrooms were rehabilitated, including new partitions and framing, new plumbing, water and sewer, and new fixtures in 1984. Electrical wiring was replaced, new drywall hung, new texture applied to walls, vanities stained, and floors retiled in 1984.

United States Department of the Interior
National Park Service

**NATIONAL REGISTER OF HISTORIC PLACES
CONTINUATION SHEET**

Section number 7, 8 Page 5

Ranger Station, Jewel Cave National Monument, Custer County, SD

Description Continued

INTEGRITY STATEMENT

The Ranger Station has maintained integrity of location, design, setting, materials, workmanship, and association. Changes in the design and materials are primarily limited to replacement of roofing materials and infilling small vents to the pantry. All windows appear to be original. None of these changes are considered significant enough to be considered a major loss of integrity and all appear to be reversible. The integrity of the interior is considered poor. Although the historic floor plan has been maintained, all interior materials are modern and the interior has lost historic integrity. Only the chimney and the kitchen cabinets appear to be original.

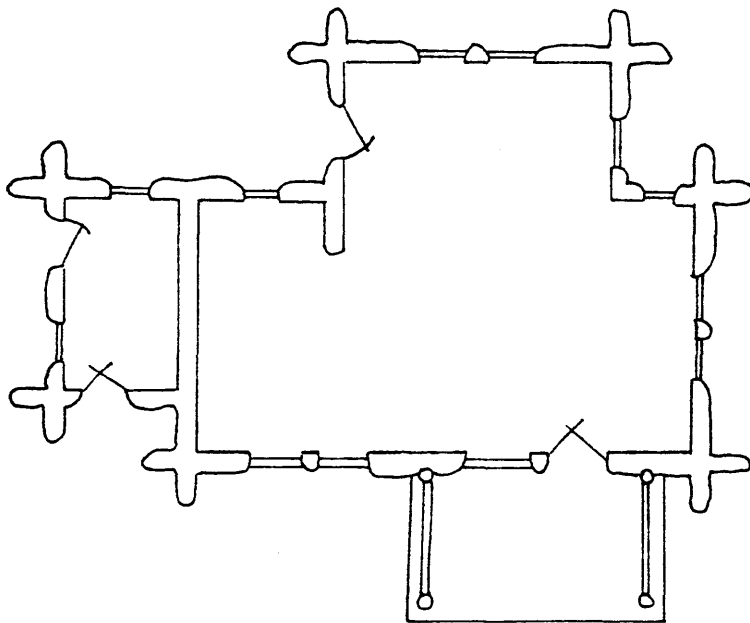
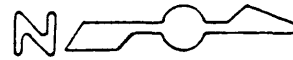
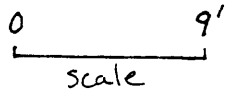
STATEMENT OF SIGNIFICANCE

Jewel Cave National Monument has state significance under National Register Criterion A for its association with the Civilian Conservation Corps (CCC) and the Works Progress Administration. The Ranger Station is also locally significant under National Register Criterion C as an excellent example of National Park Service Rustic Architecture. The materials, design and setting of this feature strongly reflect natural landscape elements planned into the design. The period of significance for the Ranger Station dates from 1935 (when the structure was completed) to 1944, the end of the historic period as defined by the National Register.

This nomination is part of the "Jewel Cave National Monument Multiple Property Submission." The resources included in this multiple property submission are the historic Ranger Station and the Trail which leads from the Ranger Station to the historic entrance of Jewel Cave. The historic entrance is considered part of the trail development since the function of the trail is to provide an access route from the Ranger Station to the historic entrance. Of equal importance, the entrance was modified as a part of the trail development project. The relationship of all three features are shown on the accompanying site map. The historic Ranger Station and Trail and Cave Entrance are associated with the following historic contexts: "Tourism in the Black Hills, 1890-1944"; "Creation and Development of Jewel Cave National Monument, 1905-1944"; and "National Park Service Rustic Architecture and Public Works Construction, 1933-1942."

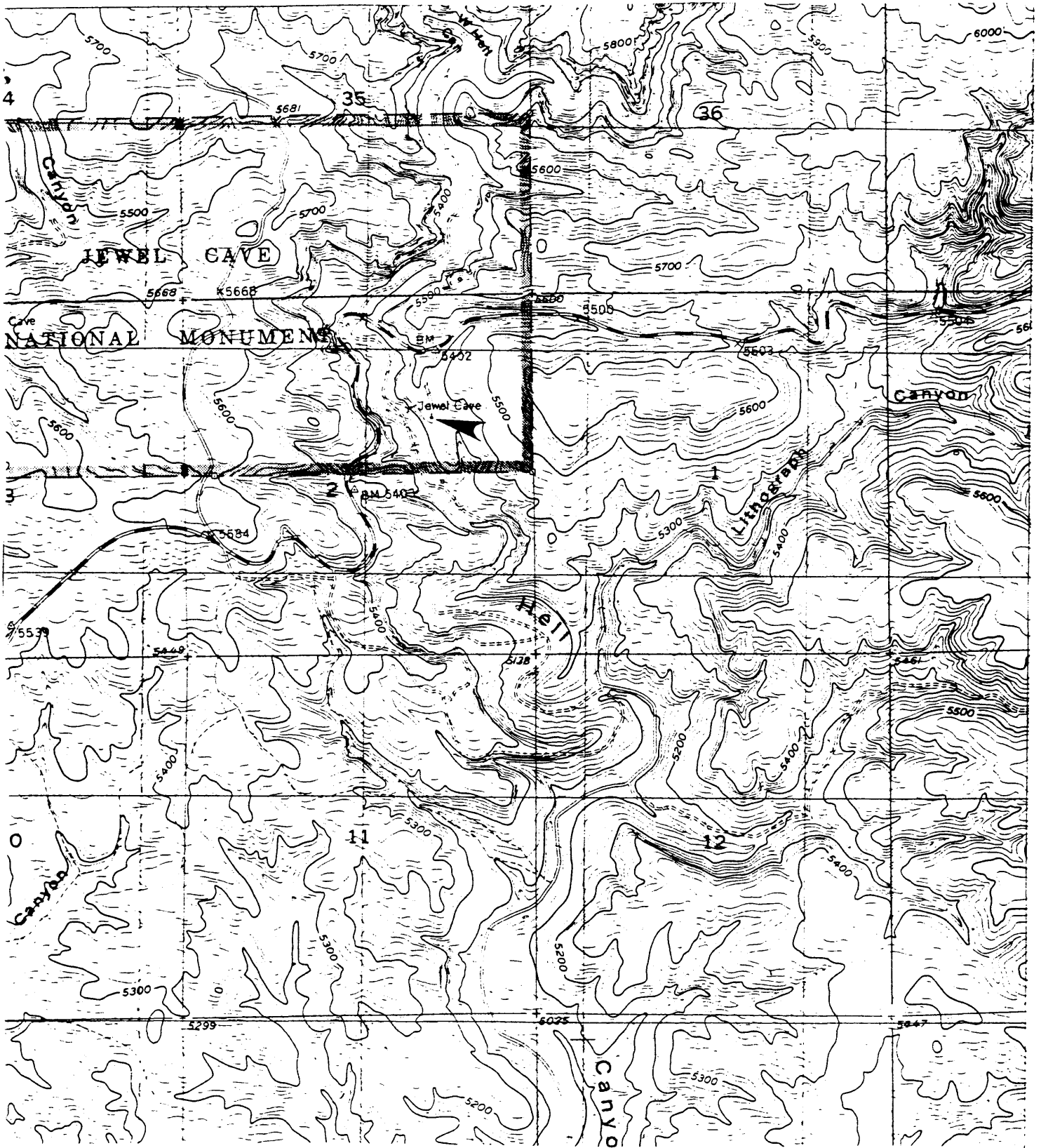
Wind Cave National Park
Historic Buildings and Structures Survey 1992

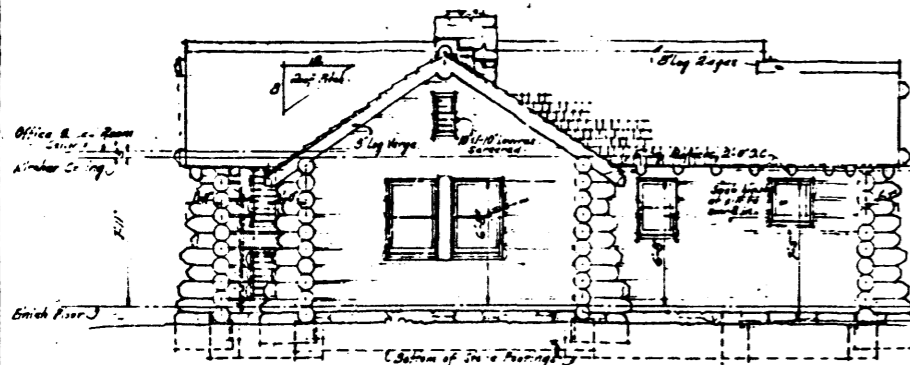
Property: HS1 Ranger's Residence, Jewel Cave National Monument, sketch map



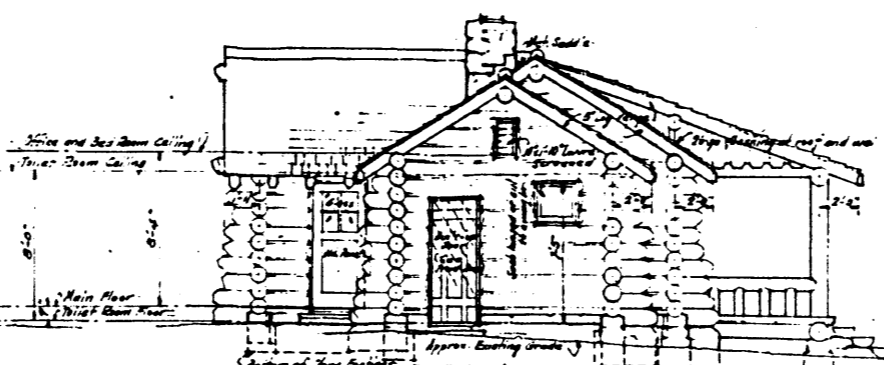
Wind Cave National Park
Historic Buildings and Structures Survey 1992

Property: HS1 Ranger's Residence, Jewel Cave, S. Dak. 1955 7.5 minute USGS Quad.

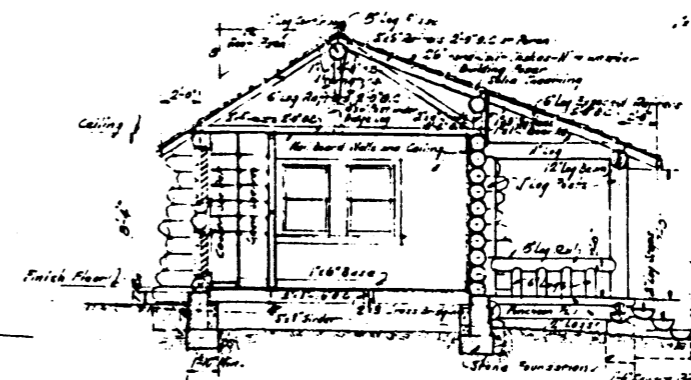




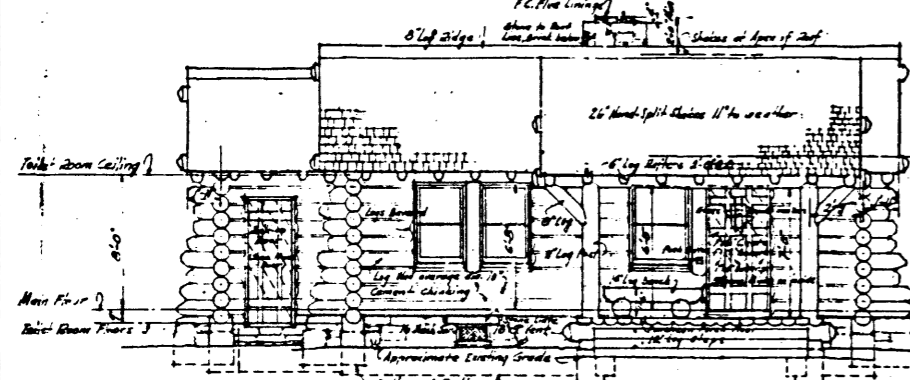
REAR ELEVATION
Scale: 1/4"=1'-0"



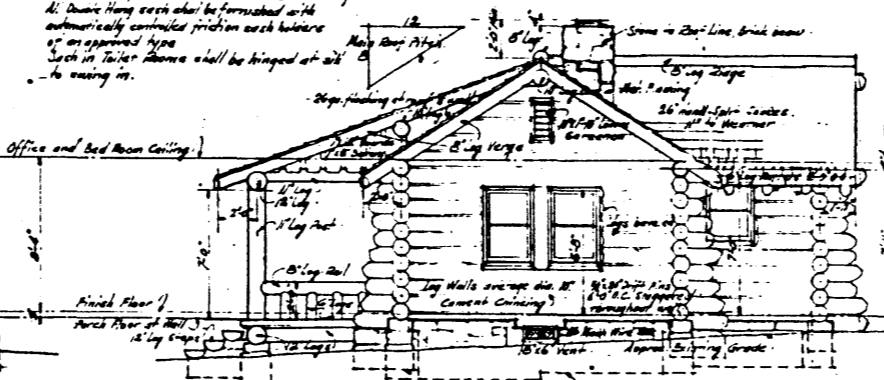
LEFT SIDE ELEVATION
Scale: 1/4"=1'-0"



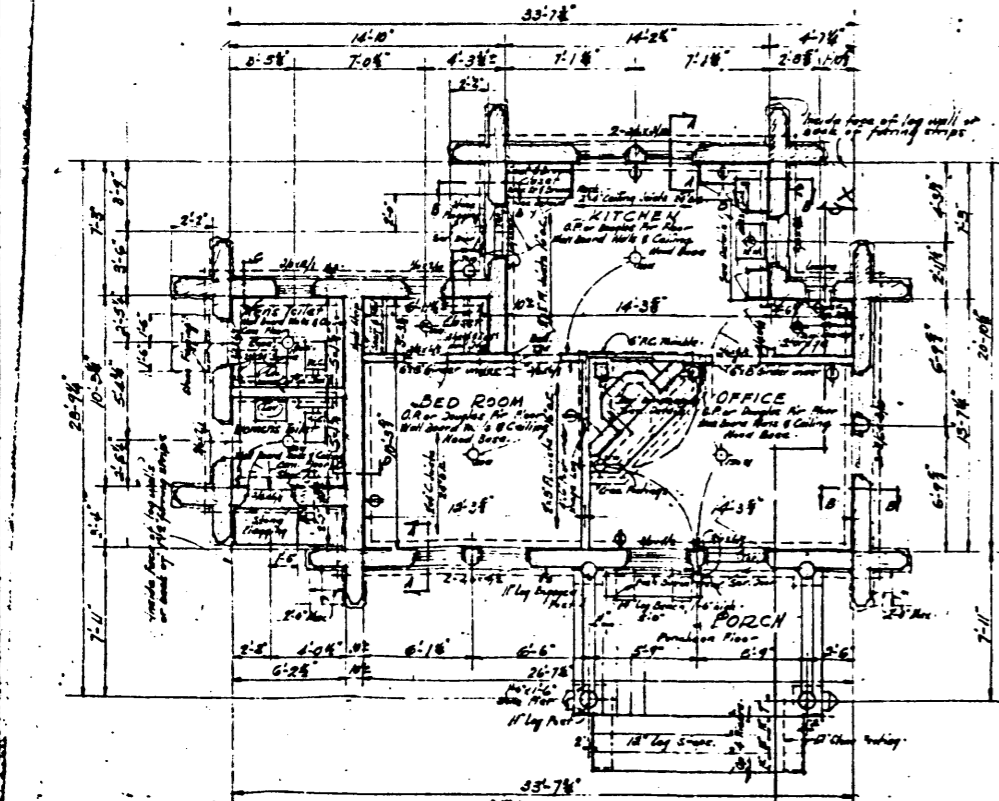
SECTION X-X
Scale: 1/4"=1'-0"



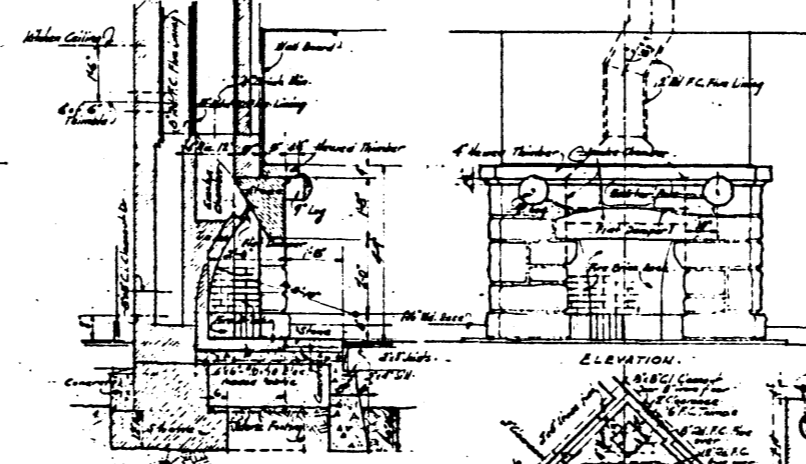
FRONT ELEVATION
Scale: 1/4"=1'-0"



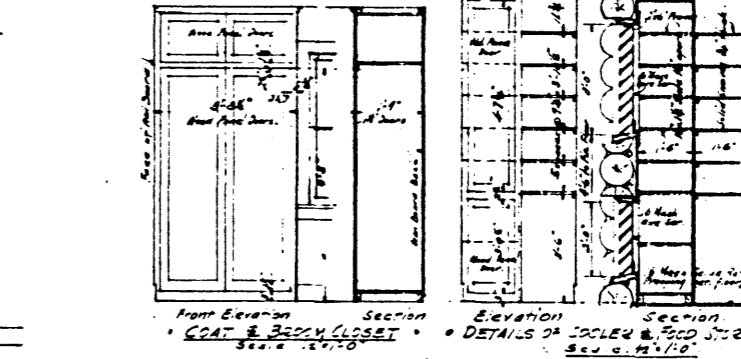
RIGHT SIDE ELEVATION
Scale: 1/4"=1'-0"



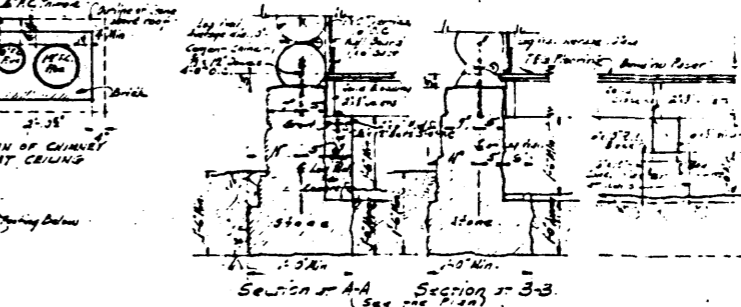
PLAN
Scale: 1/4"=1'-0"



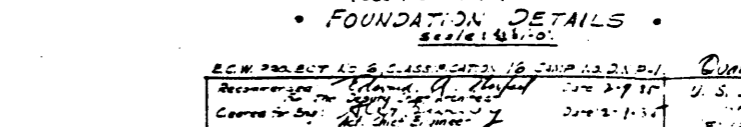
SECTION ON CENTER LINE



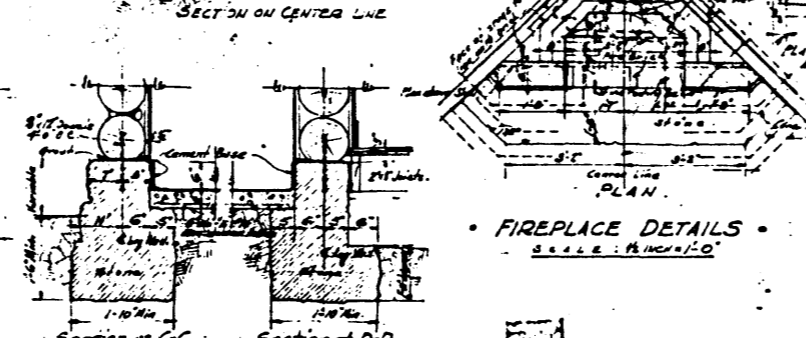
DETAILS OF COAT & BEDROOM CLOSET
Scale: 1/4"=1'-0"



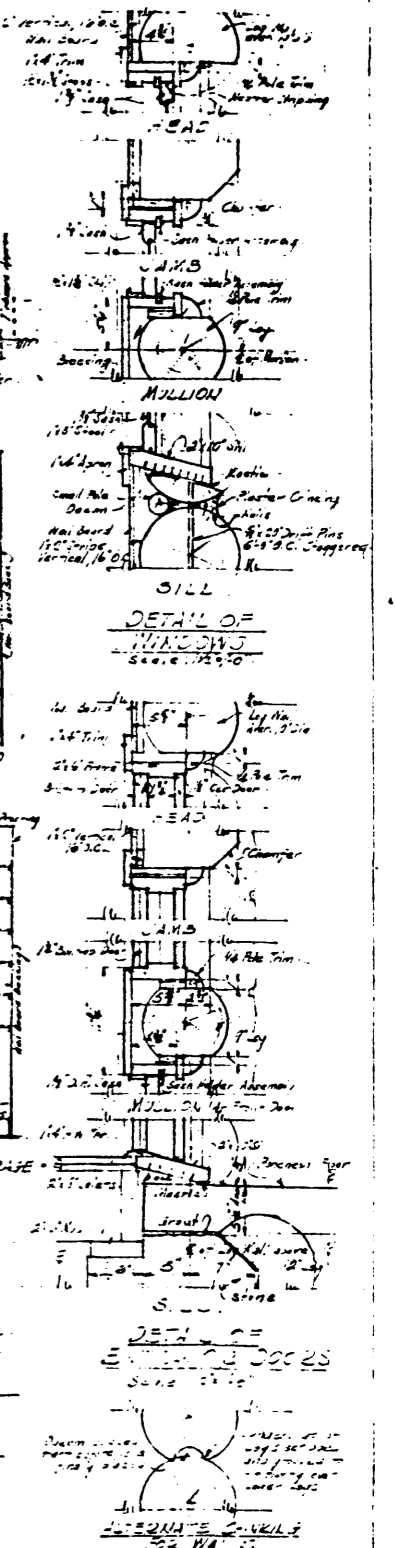
FIREPLACE DETAILS
Scale: 1/4"=1'-0"



FOUNDATION DETAILS
Scale: 1/4"=1'-0"



FOUNDATION DETAILS
Scale: 1/4"=1'-0"



DETAIL OF WINDOW
Scale: 1/4"=1'-0"

DETAIL OF DOOR
Scale: 1/4"=1'-0"

Notes
All work except in Toilet Rooms are Double Ply.
All Doors Hang each side to be furnished with
automatic friction catch release
of approved type
Each in Toilet Rooms shall be hinged at sill
to swing in.

Notes
Dimensions are in feet or in mill or inch of 16
unless stated otherwise. All work shall be in accordance
with the specifications of the National Institute of
Building Standards.

ECW PROJECT NO. 5 CLASSIFICATION 16 CAMP. 13.2.2.1	Counters No. 1	U. S. DEPARTMENT OF THE INTERIOR	DATE 2-17-31
Recommender: <i>W. H. H. H. H. H.</i>		NATIONAL PARK SERVICE	DATE 2-17-31
Checked by: <i>W. H. H. H. H. H.</i>		JEWELL & NATIONAL INSTITUTION	DATE 2-17-31
Approved: <i>W. H. H. H. H. H.</i>		2nd. 3rd. 4th. 5th.	DATE 2-17-31
		SEAL OF BUREAU OF PLANNING	DATE 2-17-31

HALF-SIZE REPRODUCTION