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National Register of Historic Places Registration Form

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NATIONAL

This form is for use in nominating or requesting determinations of eligibility for Individual properties or districts. See Instructional Register Employee the National Register of Historic Places Form (National Register Bulletin 16A). Complete each item by marking "x" in the appropriate box or by entering the Information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and substategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 15-00a). Use a typewriter, word processor, or computer to complete all items.

1. Name of Property		
historic name <u>Fugal Blacksmith Shop</u> other names/site number		
2. Location street & number Approximately 680 North 400 East		
city or town Pleasant Grove		<u>N/A</u> vicinity
state <u>Utah</u> code <u>UT</u> county <u>Utah</u>	code049	zip code <u>84062</u>
3. State/Federal Agency Certification		
As the designated authority under the National Hist certify that this X nomination request for dete standards for registering properties in the National procedural and professional requirements set forth X meets does not meet the National Register criconsidered significant nationally statewide additional comments.) Signature of certifying official/litle Utah Division of State History, Office of Histori State or Federal agency and bureau In my opinion, the property meets does not me	oric Preservation Act, as armination of eligibility management of the Register of Historic Plain 36 CFR Part 60. In my teria. I recommend that it is a locally. (See continuous Continu	amended, I hereby meets the documentation aces and meets the opinion, the property this property be inuation sheet for
Signature of certifying official/Title	Date	_
State or Federal agency and bureau		
4. National Park Service Certification	for	
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.	Entero	Date of Action Out 4/7/94 ed in the nal Register
removed from the National Register.		
other, (explain:)		

Pleasant Grove, Utah County, Utah City, County, and State

5. Classification

Ownership of Property (Check as many boxes as apply)	Category of Property (Check only one box)	Number of Resources within Property (Do not include previously listed resources in the count.)				
<u>x</u> private	x_building(s)	Contributing	Noncontributing			
public-local	district			buildings		
public-State	site					
public-Federal	structure					
	object					
	-	1	0	Total		
Name of related multiple (Enter "N/A" if property is not part of a n		Number of contrib the National Regi	uting resources previou ster	sly listed in		
N/A		N/A				
6. Function or Use				H (najkrija), s		
Historic Functions (Enter categories from in	structions)	Current Functions (Enter categories	from instructions)			
	lty store (blacksmith shop)		th artifact storage & d			
7. Description						
Architectural Classificat (Enter categories from in		Materials (Ente	r categories from instr	uctions)		
LATE VICTORIAN		foundation Gra	nite			
			СК			
		roof MET	AL			
		other WOO	D (doors)			

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

X See continuation sheet(s) for Section No. 7

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United States Department of the Interior National Park Service

National Register of Historic Places Continuation Sheet

Section No. _7 Page _1

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REGISTER

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

Narrative Description

The Christian A. Fugal Blacksmith Shop, built in 1903, is a one-part commercial block building located outside the central business district of Pleasant Grove. Within the small community of Pleasant Grove, the Fugal Blacksmith Shop is a street-level, single-story rectangular structure, a commonly used form for blacksmith shops and other commercial and small industrial buildings in Utah at the turn of the century. Other than some deterioration in the mortar joints of the parapet wall, the structure is in sound condition. This Victorian style building retains its architectural characteristics that identify it as a blacksmith shop.

The narrow end of this shop faces the street. The granite rubble foundation is exposed approximately one foot above grade. The building is constructed of softfired salmon-color brick that includes a structural pattern known as modified common bond consisting of a header course every eighth course. It also has a corbeled brick pattern along the front of the parapet wall. Rectangular sections of dogtooth brick coursing appear above the windows and doors on the front elevation. The facade and sides of the building feature double-leaf, heavy wooden doors made with two thicknesses of wood--northern European batten board inside faced with a horizontal pattern on the exterior. The double-leaf doors on the facade and north The double-leaf doors on the south were added shortly after the initial construction for the convenience of driving a wagon through the center of the shop. All the doors are flanked by narrow vertical windows. The windows in the rear are original six-over-six, double-hung windows. The side windows have segmented arches and were replaced after vandals broke them; they are now covered with heavy mesh screen (1980) to curb vandalism. The segmental arched corbeled brick window and door lintels form hood moldings on the front facade. A ribbed galvanized steel roof slopes from front to rear with a stepped parapet and is an early replacement of the original roof. A post and beam supported roof structure built to protect threshing machines and other equipment was added to the rear of the building at an early date. In c.1940, that roof was replaced with a similar lean-to roof.

The interior walls are the unfinished brick. Exposed rafters can be seen from inside the single rectangular room. Heavy wood planks form the floor. Many of the tools used by Chris Fugal are still in the blacksmith shop and it remains very much as he left it at the time of his death in 1962.

See continuation sheet

8. Statement of Significance

Applicable National Register Criteria (Mark "x" on one or more lines for the criteria qualifying the property for National Register listing.)	Areas of Significance (Enter categories from instructions)
X A Property is associated with events that have	ARCHITECTURE
made a significant contribution to the broad	COMMERCE
patterns of our history.	ENGINEERING
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	Period of Significance
represents the work of a master, or possesses	1903-1943
high artistic values, or represents a	1300-1310
significant and distinguishable entity whose	
components lack individual distinction.	Significant Dates
D Property has yielded, or is likely to yield,	1002
information important in prehistory or history.	1903
Criteria Considerations	
(Mark "x" on all that apply.)	
Property is:	Significant Person (Complete if Criterion B is marked above)
. •	(complete if criterion B is marked above)
A owned by a religious institution or used for	Cultural Affiliation
religious purposes.	Cultural Affiliation
B removed from its original location.	N/A
C a birthplace or grave.	
D a cemetery.	
E a reconstructed building, object, or	Architect/Builder
structure.	unknown
F a commemorative property.	
G less than 50 years of age or achieved	
significance within the past 50 years.	
Narrative Statement of Significance (Explain the significance of the property on one or more co	ontinuation sheets.)
	\underline{X} See continuation sheet(s) for Section No. 8
9. Major Bibliographical References	
Bibliography (Cite the books, articles, and other sources used in prepar	ring this form on one or more continuation sheets.)
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	Primary location of additional data: State Historic Preservation Office Other State agency Federal agency Local government

National Register of Historic Places Continuation Sheet

Section No. 8 Page 2

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

Narrative Statement of Significance

The Fugal Blacksmith Shop, built in 1903, is both historically and architecturally significant in Pleasant Grove. This building served for more than sixty years as a commercial outlet providing blacksmithing and related services for farmers in Pleasant Grove and surrounding communities. Blacksmithing services provided within this structure were important to the community's development and contributed to the its growth and success. This brick blacksmith shop is architecturally significant as one of the few remaining Victorian one-part commercial block buildings in Pleasant Grove. Its detailing and craftsmanship are good examples of the Late Victorian style commonly used for commercial buildings during the turn of the century.

The Fugal Blacksmith Shop began operation at the turn of the century and continued to serve the community as the only remaining blacksmith shop between 1926 and 1962. Of the three blacksmith shops operating in $1903-04^1$ in Pleasant Grove, the Fugal's shop became the only remaining blacksmith shop when all others converted into garages for automobile repair by $1926.^2$ Fugal's blacksmith trade continued as a viable business concern and a boon to the farming industry, the primary enterprise in and around Pleasant Grove, until $1962.^3$

Pleasant Grove was first settled by Mormon pioneers in the summer of 1850. Farming was a mainstay from the town's settlement, and to irrigate the various parcels of ground a crude dam c.1851 to carry the water to their lands. A large influx of settlers occurred and the first school was built in 1852. After the Golden Spike was driven to complete the transcontinental railroad at Promontory on May 10, 1869, a new era of development began in the West. The influx of new people attracted by the mining industry also encouraged growth through this region. In 1873, Pleasant Grove's first train arrived at their station.

Blacksmithing was a vital component for developing communities in the late 19th and early 20th centuries in Utah. In an area where few tools were brought from the east, blacksmiths were heavily relied upon. Travelers required shoes for their horses or wheels for their wagons, either new or repaired. New towns and villages relied upon the blacksmith's nails for constructing their buildings. Farmers relied on the skills of the blacksmith in making, repairing and developing new farming

Utah Gazetteer, 1903-04.

² Polk Directory, Provo City, Pleasant Grove, 1926.

Interview with Mary Fugal Howes, August 31, 1993.

National Register of Historic Places Continuation Sheet

Section No. 8 Page 3

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

implements. With the dependence upon the blacksmith trade, the shops were prime locations for discussions of town news events to occur. The role of the blacksmith in Pleasant Grove was much the same, and the Fugal Brothers played an active role in cultivating the community.

Brothers Christian, Jens and Niels Fugal were born in Pleasant Grove in a dugout house (listed on the National Register) to Scandinavian immigrants, Andreas Christensen Fugal and Hannah Carlson Fugal. Christian was born on October 16, 1876 and began blacksmithing at the age of fifteen after reportedly stating he had a natural aptitude for blacksmithing. Christian and Jens originally built a small frame shop, six feet by ten feet, and later expanded that shop to sixteen feet by twenty feet. (The original frame shop, now razed, stood east and south of the existing brick shop.) The Fugal brothers introduced the plumbing trade as a part of their business in the shop when Niels joined the business. In addition to blacksmithing and plumbing, they sold bolts, nuts, nails, rivets, bales of binder twine, rope, horseshoes and horseshoe nails, and plow and shovel handles. The family also developed a side business selling Banner buggies, wagons and farm implements from a lot north of the blacksmith shop.

In 1897, the brothers began to build this brick blacksmith shop. Progress on the building stopped for a period of approximately two years when Jens left to serve a mission for the Church of Jesus Christ of Latter-day Saints. The money earned from the shop, as well as money their mother earned weaving rugs, went to support the missionary. After Jens returned, Niels left on a mission. During several of these years, Chris was employed by Williamson and Christianson Blacksmith Shop at the head of Main and Center and did his own work as well. Chris performed blacksmithing work on the lower American Fork Power Plant (1899), and later the Upper American Fork Power Plant (1906-07). It was 1903 before the existing brick blacksmith shop was completed. 5

The Fugal brothers contributed in a variety of ways to the community of Pleasant Grove. In 1902 the brothers bought one-fifth interest in a steam thresher; three years later they bought another one-fifth interest in a Minneapolis steam thresher with a straw blower and weighing and bagging parts. In partnership with others, they owned and operated these and other steam threshers that went from farm to farm with an operating crew until automated combines outdated the thresher. In 1906, the Fugal Brothers installed Pleasant Grove's first culinary water system. The shop was the beginning operation and training ground for what became three separate enterprises of the Fugal brothers as they branched out. In 1929, Jens and Niels each went into his own specialty and developed plumbing businesses. Jens began a plumbing, electric, and heating contracting business with the help of some of his

⁴ Brumm, Deana Lynn, <u>The Blacksmith in Pioneer Utah</u>. Pioneer Trail State Park, Utah, August, 1979.

⁵ Autobiography of Christian A Fugal, typescript.

National Register of Historic Places Continuation Sheet

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Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

sons, which dissolved at Jens' death. Niels specialized in installing city water works and gas pipe installations working throughout Idaho and Utah. Niels' company became Fugal Construction which is now incorporated into Niels Fugal Sons Company. Chris became sole owner and manager of the blacksmith shop.

Chris' blacksmith trade consisted of rebuilding buggy and wagon wheels, setting metal tires, making and fitting horseshoes, making and repairing plow shares and repairing farm machinery and light industrial equipment. The forge that is currently housed in the building was built by Chris and was the third forge used by him during the fifty-nine years he operated this shop. Chris Fugal also invented some of his own tools, i.e., a tire lifter and an instrument to measure the circumference of a wheel. Some of his work was barter and trade, especially during the Depression years, trading shop work for farm work or produce. Chris fashioned heavy iron cattle branding irons for cattlemen, each with its own unique design. The Fugal brothers had a boot-shaped brand alluding to their grandfather's shoemaker trade. All the brothers continued to use this brand that their father had also used, but each tilted it differently, placed the brand on opposite sides of the cattle, or turned it upside down, allowing for easier separation of the cattle during fall round-up.

A major part of Chris' work was building and installing steel head gates along the irrigation ditches for the Pleasant Grove irrigation company when "dirt, sod, and gunny sack dams were given up". 6 At the onset of WWII, Niels contracted construction work on the Clearfield defense plant bringing his tools to Chris to be sharpened and often rebuilt. Other work included the repair and replacement of wheels and tires of the large box wagons carrying loads of fire clay from the nearby Big Springs and Wadley pits. Chris had a big yard north of the shop for setting these tires, with space for a circular bonfire for heating the metal tire, a trough for cooling, and a wheel platform. At times he set four tires at once, working rapidly with helpers. When the heat was just right, three or four men would use long tongs to lift the metal wheel from the fire and, with ten-pound sledge hammers, hammered the metal to fit the felloes (wheel rims). They then lowered the finished wheel into the trough to cool rapidly before burning the wood to allow the cooling process to shrink the metal onto the wood. Chris was known to draw crowds of onlookers for this procedure. Throughout the years, children found a certain fascination in his work and lingered to watch through the open front double doors. All the work was hand driven until 1948 when Chris first began using a power hammer.

Chris married Delilah Richardson, June 21, 1911 and in the spring of that year they built a house on the corner north of the shop. They had eight children and were both active in community affairs and the Mormon Church. Chris was elected to the

⁶Interview with Leah Fugal Dingle, July 1993.

⁷Ibid.

National Register of Historic Places Continuation Sheet

Section No. 8 Page 5

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

Pleasant Grove City Council (1905), served a term as the Deputy County Assessor (1913), was a member of the Alpine School Board (1928), and belonged to a community theatrical group. Delilah worked many years as Pleasant Grove City Treasurer and was a member of the Daughters of the Utah Pioneers. Although the demand for blacksmithing diminished during the later years of Chris' life, he worked at his trade until the end; he sharpened two large plow points the day before he went to the hospital, just three weeks before his death, December 28, 1962, at age eighty-seven. He was the last of the pioneer-era blacksmiths in Pleasant Grove. Delilah followed him in death, March 14, 1976.

Brian Christian Fugal inherited his father's blacksmith shop. Brian was also a blacksmith having been taught the trade at an early age by working with his father. He helped in the shop doing the heavy work and the welding during his father's last years. Brian was born in Pleasant Grove, November 13, 1915. He married Jennie Birch, November 13, 1936. They had eight children. Jennie passed away May 13, 1972. Brian married Marian W. Jense on August 25, 1972. His occupation was that of a blacksmith and a welder for the company formed by his uncle, Niels Fugal Sons Company. After the death of his father, Brian hosted tours of school children in the blacksmith shop; there he lighted the forge and demonstrated the art of blacksmithing as it was historically done in Utah. After Brian's death on July 13, 1984, the blacksmith shop was left to Joseph Milton Fugal, the son of Brian and Jennie Fugal. Like his father, he hosts school children and other tour groups in the shop and demonstrates the art of working with metal, the tools of the trade, and explaining some aspects of the pioneer lifestyle pertaining to blacksmithing. blacksmith shop is thought to be the last one in Utah equipped with smith-tools and in continuous, though limited, use.

The building is architecturally significant because of its form and architectural detailing. The building's one-part central block form was commonly used for blacksmith shops as well as other small commercial and industrial businesses in Utah during the turn of the century. The incorporation of the large wood carriage doors for the Fugal's blacksmithing and carriage business is a significant feature of the structure. The drapery-like corbeled brick pattern incorporated into the arched window and door lintels on the front facade characterizes the Late Victorian style. This building is an excellent example of one of only a few one part block commercial buildings remaining in Pleasant Grove, it retains the characteristics of the blacksmith shop, and it remains an important architectural form within the community of Pleasant Grove.

⁸<u>Deseret News</u>, December 28, 1962, p. B14; <u>Pleasant Grove Review</u>, March 15, 1976.

⁹<u>Review</u>, July 18, 1984; September 22, 1983.

National Register of Historic Places Continuation Sheet

Section No. 9 Page 6

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

Bibliography

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Carter, Thomas and Peter Goss. <u>Utah's Historic Architecture, 1847-1940</u>. Salt Lake City, UT: University of Utah Graduate School of Architecture and Utah State Historical Society, 1991.

Desert News, Salt Lake City, Utah, December 28, 1962.

<u>Pleasant Grove Review</u>, November 12, 1945; December 18, 1958; June 15, 1961; October 28, 1965; June 5, 1969; March 15, 1976; December 29, 1982; September 22, 1983; July 18, 1984; September 29, 1986.

Other Sources:

Fugal, Christian A., "Autobiography", typescript, CLG files.

Fugal, Christian A., "History of Blacksmithing in Pleasant Grove", typescript, DUP Histories, Pleasant Grove City Library.

Personal Interview with Leah Fugal Dingle, July 1993.

Personal Interview with Mary Fugal Howes, August 31, 1993. Transcript located in Pleasant Grove Certified Local Government files.

Utah State Historic Sites Survey, USHS Library, Salt Lake City.

Pleasant Grove, Utah County, Utah City, County, and State

10. Geographical	Data						ipalia. Nakiti	i.
Acreage of property	.25 acres							
UTM References (Place additional UTM r	references on a continuatio	n sheet.)						
A $\frac{1/2}{\text{Zone}}$ $\frac{4/3/7/8/8/0}{\text{Easting}}$	4/4/6/8/9/5/0 Northing	B // Zor	ne	//// Easting	/ Nort	/ / / / / thing		
c _/////		D/			/_	1111		
Verbal Boundary Descrip (Describe the boundarie								
COM. 99.00 FT. SOUTH OF	F THE NORTHWEST CORNER OF B FT; THENCE NORTH 66.00 FT;	LK 69, PLAT "A", PL THENCE WEST 90.75	EAS/ FT.	ANT GROVE CITY	SURVE OF BE(EY; THENCE SO	OUTH 66.00	
				_See continua	tion s	heet(s) for	Section No.	10
<u>Boundary Justification</u> (Explain why the bounda		*					····	
The boundary describes	the same parcel of ground	that has been asso	ciate	ed with the sh	op sir	nce its const	truction.	
	•			_ See continua	tion s	heet(s) for	Section No.	10
	d By		ROL-1889 (a gogostapyck	#16-185 Devolution 12 41	eartyert jaar	
·	Olsen, Researcher/USHPO Sta		Teles tolkis	oberera medamelumi de er jede militar	akkawa Ni Kir	settietiteitei ei ei 1 f.	e Vista i	•
	nt Grove Certified Local Go			date	Janua	ary 1994		_
street & number 30 Ea						(801)785-226	59	
city or town Pleas				state	UT	_ zip code _	84062	
Additional Docum	entation							33
Submit the following i	tems with the completed for	m:						
• Continuation Sheets								
• Maps: A USGS map (7.	.5 or 15 minute series) ind	icating the propert	y's	location.				
A Sketch map f	for historic districts and/	or properties havir	ng Ta	arge acreage o	r nume	erous resourc	es.	
• Photographs: Represe	entative black and white p h	otographs of the p	rope	rty.				
• Additional items (Che	eck with the SHPO or FPO fo	r any additional i	tems	.)				
Property Owner								6.5 See
name <u>Milton Fugal</u>								
street & number137						(801) 785-51		_
city or town Ple	asant grove			state	UI	_ zip code _	04002	_
n								

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listings. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 et seq.).

National Register of Historic Places Continuation Sheet

Section No. PHOTOS Page 7

Fugal Blacksmith Shop, Pleasant Grove, Utah County, UT

Common Label Information:

1. Fugal Blacksmith Shop

- 2. Pleasant Grove, Utah County, Utah
- 3. Photographer: Beth Olsen4. Date: October 1993
- 5. Negative on file at Utah SHPO.

Photo No. 1

6. Front elevation. Camera facing east.

Photo No. 26. South side of shop. Camera facing north.

Photo No. 36. Back of shop. Camera facing north.

Photo No. 4

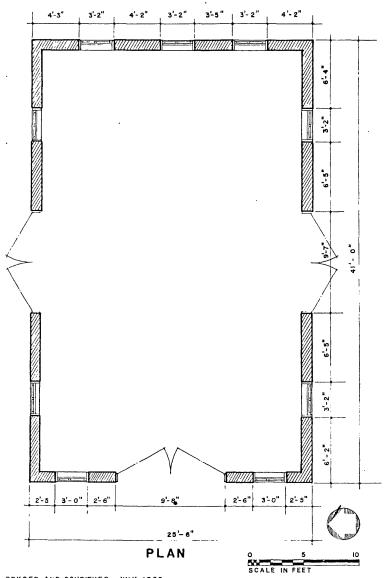
6. North side of shop. Camera facing southeast.

FUGAL BLACKSMITH SHOP

THREE FUGAL BROTHERS, JENS, CHRISTIAN, AND NIELS, BUILT THIS BLACKSMITH SHOP IN 1897 TO ACCOMMODATE THEIR SMITHING AND CARRIAGE BUSINESS. ALTHOUGH USED ONLY ONLY OCCASIONALLY, THE SHOP REMAINS COMPLETELY EQUIPPED.



THIS PROJECT WAS FINANCED FROM JOINT FUNDS OF THE NATIONAL PARK SERVICE AND THE UTAH HERITAGE FOUN-DATION, MEASURED AND DRAWN UNDER THE DIRECTION OF JAMES C. MASSEY, CHIEF, HISTORIC AMERICAN BUILDINGS SURVEY, UNDER THE SUPERVISION OF PAUL GOELDNER, ARCHITECT A.I.A, TEXAS TECHNOLOGICAL COLLEGE, BY STUD-ENT ARCHITECTS CHARLES D. HARKER, ROBERT A. SCHRIEVER AND M. KEITH SORENSON, UNIVERSITY OF UTAH, DONALD PRYCER, TEXAS A & M UNIVERSITY,

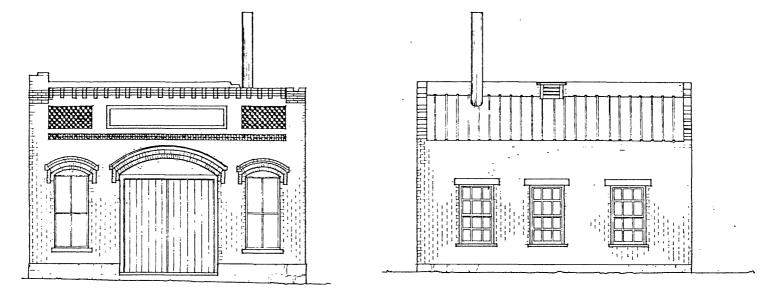


DRAWN BY PRYCER AND SCHRIEVER JULY 1968

UTAH PROJECT - OFFICE UF ARCHEOLOGY AND HISTORIC PRESERVATION UNDER DIRECTION OF THE NATIONAL PARK SERVICE. UNITED STATES DEPARTMENT OF THE INTERIOR

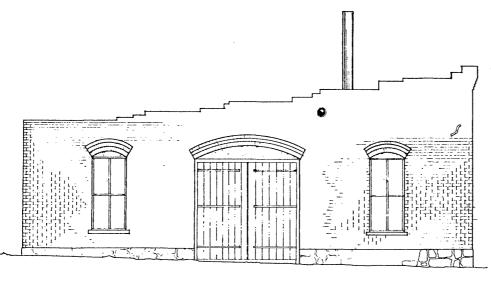
FUGAL BLACKSMITH SHOP UTAH COUNTY

HISTORIC AMERICAN **BUILDINGS SURVEY** SHEET | OF 2 SHEETS



WEST ELEVATION

EAST ELEVATION



NORTH ELEVATION

O 5 IO SCALE IN FEET

DRAWN BY: R. A. SCHRIEVER JULY 1966

UTAH PROJECT - OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION UNDER DIRECTION OF THE NATIONAL PARK SERVICE. UNITED STATES OFFANTAMIN OF THE INTERIOR FUGAL BLACKSMITH SHOP

PLEASANT GROVE

UTAH COUNTY

._н U-56

HISTORIC AMERICAN
BUILDINGS SURVEY
SHEET 2 OF 2 SHEETS

6 NORTH FOURTH EAST

U.