

HO-945

Davis and Hemphill Factory
5710 Furnace Avenue, Elkridge
Howard County, Maryland
Private
c. 1915, 1936, 1955, 1970

Description:

The Davis and Hemphill Factory is on the southwest side of the road, and does not have any road frontage on Furnace Avenue. The building is set back from the road, and the property borders Race Road, to the east. There are two buildings on the property, the main factory having been constructed in numerous phases throughout the twentieth century, part of it in brick and part of it in CMU's. The main factory building is a one-story, fifteen-bay by three-bay structure of six-to-one common-bond brick with buttresses between all of the bays. The building has a gable roof with an east-west ridge, new standing-seam metal, open eaves, and skylights that have been added recently. There is an exterior brick chimney on the west end, just north of the ridge. There is a cupola with a bell between the second and third bays from the west, and it has steel posts and a hipped roof. The five bays on the east end are constructed with a different brick and indicate that this end was added. The interior of the brick factory has been completely cut up for modern offices, with a double-loaded center corridor that runs east-west. Portions of the floor framing of the upper level are exposed, and there are circular-sawn wood girts that run north-south and are supported with I-beam posts. There is a frame building on the property that is typically referred to as the "pencil factory." This is located to the south of the factory building and is a one-story, three-bay by six-bay frame structure with a CMU foundation, German siding, and a gable roof with a north-south ridge and new standing-seam metal that appears to be aluminum. Both the east and west elevations have six typical six-over-six sash with head cut trim. The building is constructed of balloon framing with wire nails.

Significance:

Davis and Hemphill was reportedly started by Marion B. Davis in 1906 to manufacture screws, and was operated out of the Viaduct Manufacturing Co. (HO-387) that stood next to the Thomas Viaduct in Elkridge. They outgrew that space and bought the current land in 1914, and built the existing factory shortly afterward. By 1931 there had been three additions, including what appears to have been a tile wing on the west end of the north elevation. Plans dated 1936 survive for the addition on the east that extended the original structure by five bays. The factory had an open interior with rows of machinery running its length, powered by electric motors hung from the ceiling, with belts connecting motor shafts to machine shafts. Close to half of the employees shown in an undated photograph (taken between 1937 and 1954) in one of their product catalogues were women, which probably reflects the impact of World War II on American industry in general. In 1955 the large CMU section was added to the north side of the brick factory, and in 1970 another CMU building was built and connected to the 1955 section by an open roof. Davis and Hemphill sold their factory in 2002 and it was converted to offices and warehouses for several businesses. The history and function of the "pencil factory" is unknown.

Maryland Historical Trust

Maryland Inventory of Historic Properties Form

Inventory No. HO-945

1. Name of Property (indicate preferred name)

historic Davis & Hemphill Factory

other _____

2. Location

street and number 5710 Furnace Avenue _____ not for publication

city, town Elkridge _____ vicinity

county Howard

3. Owner of Property (give names and mailing addresses of all owners)

name H & G Properties, LLC

street and number 5710 Furnace Avenue, Ste H telephone 410-379-6700

city, town Elkridge state MD zip code 21075

4. Location of Legal Description

courthouse, registry of deeds, etc. Howard County Courthouse tax map and parcel: 38-429

city, town Ellicott City liber 6622 folio 134

5. Primary Location of Additional Data

- Contributing Resource in National Register District
- Contributing Resource in Local Historic District
- Determined Eligible for the National Register/Maryland Register
- Determined Ineligible for the National Register/Maryland Register
- Recorded by HABS/HAER
- Historic Structure Report or Research Report
- Other _____

6. Classification

Category	Ownership	Current Function	Resource Count	
			Contributing	Noncontributing
<input type="checkbox"/> district	<input type="checkbox"/> public	<input type="checkbox"/> agriculture		
<input checked="" type="checkbox"/> building(s)	<input checked="" type="checkbox"/> private	<input checked="" type="checkbox"/> commerce/trade	<u>2</u>	<u>1</u> buildings
<input type="checkbox"/> structure	<input type="checkbox"/> both	<input type="checkbox"/> defense	<u>0</u>	<u>0</u> sites
<input type="checkbox"/> site		<input type="checkbox"/> domestic	<u>0</u>	<u>0</u> structures
<input type="checkbox"/> object		<input type="checkbox"/> education	<u>0</u>	<u>0</u> objects
		<input type="checkbox"/> funerary	<u>2</u>	<u>1</u> Total
		<input type="checkbox"/> government		
		<input type="checkbox"/> health care		
		<input type="checkbox"/> industry		
		<input type="checkbox"/> landscape		
		<input type="checkbox"/> recreation/culture		
		<input type="checkbox"/> religion		
		<input type="checkbox"/> social		
		<input type="checkbox"/> transportation		
		<input type="checkbox"/> work in progress		
		<input type="checkbox"/> unknown		
		<input type="checkbox"/> vacant/not in use		
		<input type="checkbox"/> other:		
			Number of Contributing Resources previously listed in the Inventory	
			<u>0</u>	

7. Description

Inventory No. HO-945

Condition

<input checked="" type="checkbox"/> excellent	<input type="checkbox"/> deteriorated
<input type="checkbox"/> good	<input type="checkbox"/> ruins
<input type="checkbox"/> fair	<input type="checkbox"/> altered

Prepare both a one paragraph summary and a comprehensive description of the resource and its various elements as it exists today.

The Davis and Hemphill Factory is located at 5710 Furnace Avenue, in ElkrIDGE, in northeastern Howard County, Maryland. It is on the southwest side of the road, and does not have any road frontage on Furnace Avenue. The building is set back from the road, and the property borders Race Road, to the east. There are two buildings on the property, the main factory having been constructed in numerous phases throughout the twentieth century, part of it in brick and part of it in CMU's. There is a frame building on the property that is typically referred to as the "pencil factory." This is located to the south of the factory building.

Main Factory

The main factory building is a one-story, fifteen-bay by three-bay structure of six-to-one common-bond brick with buttresses between all of the bays. The brickwork is poorly executed. The south elevation has new aluminum sash that are paired in each bay, with nine lights over six lights, and the windows have steel lintels and brick sills. The sixth bay from the west was converted to a door, and there is a semi-circular modern canopy placed in front of the doorway. The building has a gable roof with an east-west ridge, new standing-seam metal, open eaves, and skylights that have been added recently. There is an exterior brick chimney on the west end, just north of the ridge. There is a cupola with a bell between the second and third bays from the west, and it has steel posts and a hipped roof. The five bays on the east end are constructed with a different brick and indicate that this end was added. The brick is larger and could be set rowlock on the bull. The brick is glazed and has cable mouldings on the headers.

The west elevation center bay had a segmentally-arched doorway that was widened and lowered and given a new door. The south bay has a typical window and the north bay has a one-story shed-roofed brick addition that is mostly of new brick. The gable end has three six-over-six sash with small six-light sash in each eave. There are modern brick additions to the north of the west end and the west addition, and these are non-historic. On the north side of most of the brick building and the east addition is a large CMU addition that is also not historic, and there is a CMU wing to the east of this CMU addition that is attached to it only by an open roof.

The east elevation has a one-story, two-bay by three-bay, flat-roofed addition. The south elevation of this addition has two pair of aluminum six-over-six windows. The east elevation has a new door in the center with a fire door on rollers and a concrete loading dock and steel canopy with winch. The south bay of this addition is altered with brick infill that probably dates to the 1950's or 1960's, and has paired six-light sash. The north bay has the same sash but is an original opening. The gable end has a center door to a fire escape, with a nine-over-six sash on each side. The brick here is stamped on most of the headers with "WESTPORT DUNN PATENTED PBCO.", and some of the bricks are glazed. The headers also have a raised cable pattern, and the stretchers have raised vertical half-round mouldings next to vertical grooves.

The interior of the brick factory has been completely cut up for modern offices, with a double-loaded center corridor that runs east-west. Portions of the floor framing of the upper level are exposed, and there are circular-sawn wood girts that run north-south and are supported with I-beam posts. The girts support 2-by-8 floor joists that run east-west, with cross bracing that is wire-nailed. There is narrow board flooring on top of the joists. There is an ell on the north side of the building, on the east side of the courtyard, which is apparently otherwise completely surrounded by the CMU addition. This ell has brick walls and similar construction to the rest of the brick building, but the girts run east-west and the joists run north-south. There are round steel posts set under the girts. The north side of the courtyard has a brick wall, and set to the west in this wall is a rolling fire door covered with steel sheets stamped "Follansbee Steel Corp." The door is hung on three rollers. The upper story is also divided into offices along a double-loaded corridor that runs east-west. The roof support has diagonal struts with up-braces to purlins. The rafters are hidden by wall board. The struts sit on the girts, with no post directly beneath them. The struts and purlins have been left exposed in the offices, with a finished ceiling that follows the pitch of the rafters and collar beams. Sky lights were added to get natural light into these offices.

"Pencil Factory"

Maryland Historical Trust

Maryland Inventory of Historic Properties Form

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Name Davis & Hemphill Factory
Continuation Sheet

Number 7 Page 1

The "pencil factory" is located about sixty feet south of the main factory building and is a one-story, three-bay by six-bay frame structure with a CMU foundation, German siding, and a gable roof with a north-south ridge and new standing-seam metal that appears to be aluminum. The north elevation has a center roll-up door with head cut trim and a modern, but damaged pressure-treated wood loading dock. There is a six-over-six sash with head-cut trim in both the east and west bays. The gable end has paired nine-light casements with head-cut trim. The eaves are open. Both the east and west elevations have six typical six-over-six sash with head cut trim. On the south elevation, the center bay has a five-lying panel door with head cut trim and a six-over-six sash to each side. There are no stairs below the door. The door is hung on butt hinges with ball finials. The gable end matches the north elevation.

The building is constructed of balloon framing with wire nails, and there is builder's paper below the sheathing. All of the framing is exposed on the interior, and always has been. There is an open truss roof with cross-bracing between the joists. The joists are 2-by-8s with 2-by-6 rafters that have a ridge pole, and they support solid board sheathing. There are diagonal struts from the center of each side of a rafter couple to the center of the joist. The struts are on every fourth rafter couple, making five pairs of struts used in the roof framing. The rafter feet are nailed to the sides of the joists. The struts are also nailed to the sides of the joists and the sides of the rafters. There are longitudinal beams that are lag-bolted to each joist and run most of the length of the building, but these are of a different wood than the rest of the building and have less oxidation, suggesting that they were added later. There is new wood on the interior around the roll-up door on the north elevation, and it is not possible to tell how this opening may have changed. The sash are double hung, with ovolo muntins.

8. Significance

Inventory No. HO-945

Period	Areas of Significance	Check and justify below		
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> health/medicine	<input type="checkbox"/> performing arts
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> archeology	<input type="checkbox"/> education	<input checked="" type="checkbox"/> industry	<input type="checkbox"/> philosophy
<input type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> architecture	<input type="checkbox"/> engineering	<input type="checkbox"/> invention	<input type="checkbox"/> politics/government
<input checked="" type="checkbox"/> 1900-1999	<input type="checkbox"/> art	<input type="checkbox"/> entertainment/ recreation	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 2000-	<input type="checkbox"/> commerce	<input type="checkbox"/> ethnic heritage	<input type="checkbox"/> law	<input type="checkbox"/> science
	<input type="checkbox"/> communications	<input type="checkbox"/> exploration/ settlement	<input type="checkbox"/> literature	<input type="checkbox"/> social history
	<input type="checkbox"/> community planning		<input type="checkbox"/> maritime industry	<input type="checkbox"/> transportation
	<input type="checkbox"/> conservation		<input type="checkbox"/> military	<input type="checkbox"/> other:

Specific dates

N/A

Architect/Builder

N/A

Construction dates

1916, 1936

Evaluation for:

National Register

Maryland Register

not evaluated

Prepare a one-paragraph summary statement of significance addressing applicable criteria, followed by a narrative discussion of the history of the resource and its context. (For compliance reports, complete evaluation on a DOE Form - see manual.)

Davis and Hemphill was reportedly started by Marion B. Davis in 1906 to manufacture screws, and was operated out of the Viaduct Manufacturing Co. (HO-387) that stood next to the Thomas Viaduct in Elkridge. Viaduct Manufacturing was under the management of Davis' uncle, Augustus G. Davis, and was later subsumed by the Baltimore Machine Products Co., one of whose principals was Arthur B. Davis. The exact connection between the Baltimore Machine Products Co. and Davis and Hemphill is not known. Marion Davis moved his business to an old mill at Patapsco in 1911 and took in Hemphill, a mining and civil engineer who had worked in Cuba and California, as a partner. They outgrew that space and bought the current land in 1914, and built the existing factory shortly afterward. The factory had an open interior with rows of machinery running its length, powered by electric motors hung from the ceiling, with belts connecting motor shafts to machine shafts. The building was constantly added on to. By 1931 there had been three additions, including what appears to have been a tile wing on the west end of the north elevation. Plans dated 1936 survive for the addition on the east that extended the original structure by five bays. This was built with brick manufactured by Westport Dunn, though nothing else is known about the company at this time. Notably, despite the Great Depression, Davis and Hemphill had sufficient business not only to remain afloat, but to expand. (1)

An undated photograph (taken between 1937 and 1954) in one of their product catalogues shows an ell added to the tile addition, and this was also built of tile block. These sections did not have the large windows and buttressed walls of the rest of the factory, and were probably used to store stock, finished products, or as offices, rather than machinery. This same undated photograph shows another ell that had been added to the center of the north wall of the main brick section. It appears to be brick, and has the same large windows and buttressed walls as the rest of the factory. There is another building in the general vicinity of the "pencil factory," but it is hidden by sheds in which automobiles are parked. The building behind these sheds appears to be frame, and has a chimney in the center and a shed-roofed addition on the west side that the "pencil factory" does not have, however. The history and function of the "pencil factory" is unknown. Close to half of the employees at this time were women, which probably reflects the impact of World War II on American industry in general. Davis and Hemphill were still producing various types of machine screw products out of steel, brass, and aluminum. In 1955 the large CMU section was added to the north side of the brick factory, and in 1970 another CMU building was built and connected to the 1955 section by an open roof. Davis and Hemphill sold their factory in 2002 and it was converted to offices and warehouses for several businesses. Sheds similar to those in the undated photograph flanked both sides of the "pencil factory" but were torn down. (2)

Notes:

(1). John McGrain, "The Molinography of Maryland: A Tabulation of Mills, Furnaces, and Primitive Industries." Ken Short, "Hockley," (HO-387) Maryland Inventory of Historic Properties, 2007. Typescript, Towson, 1968. Consolidated Gas Electric

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Name Davis & Hemphill Factory

Continuation Sheet

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Light & Power Co. of Baltimore, Power Pictorial 19 (April 1931), pp. 88-89. "Floor Plan of Factory & Addition," 1936, in possession of owner.

(2). Davis and Hemphill, "Screw Machine Products," undated catalogue in possession of owner. Plot plan of Davis and Hemphill Factory, c. 1970, in possession of owner.

9. Major Bibliographical References

Inventory No. HO-945

See ~~continuation sheet~~ *footnotes*

10. Geographical Data

Acreage of surveyed property 5.217 acres

Acreage of historical setting 5.217 acres

Quadrangle name Relay

Quadrangle scale 1:24000

Verbal boundary description and justification

The boundaries consist of all of the property on map 38, p. 429, which encompasses all of the historic structures.

11. Form Prepared By

name/title Ken Short

organization Howard County Dept. of Planning & Zoning

date 2/20/2008

street and number 3430 Courthouse Drive

telephone 410-313-4335

city or town Ellicott City

state MD zip code 21043

The Maryland Inventory of Historic Properties was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

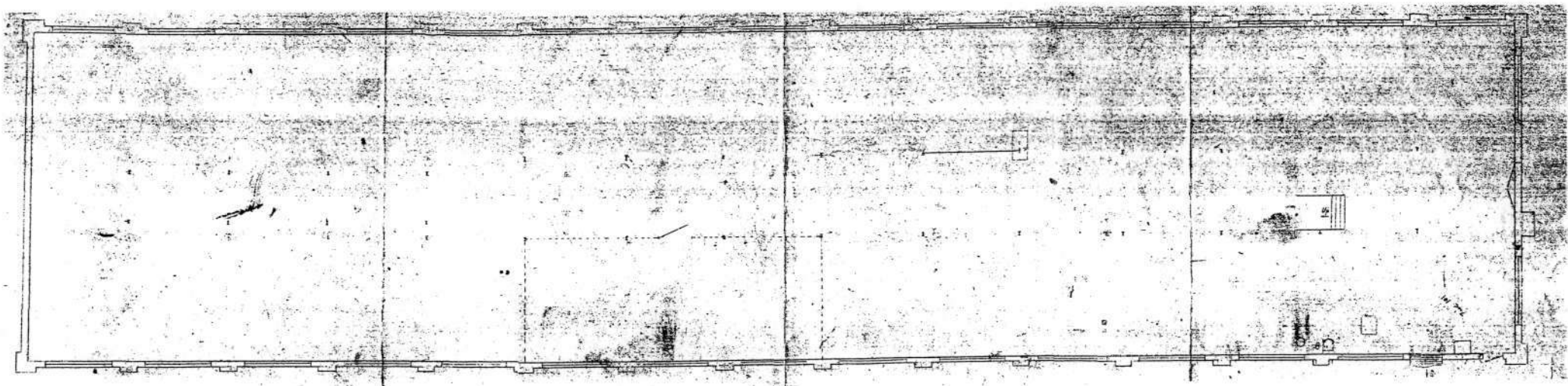
return to: **Maryland Historical Trust**
DHCD/DHCP
100 Community Place
Crownsville MD 21032
410-514-7600

Davis & Hemphill Factory (HO-945)
5710 Furnace Avenue
CHAIN OF TITLE

GRANTOR/HOME	GRANTEE/HOME	DATE	LIBER/ FOLIO	INSTRU- MENT	CONSIDER- -ATION	ACREAGE	NOTES
Davis & Hemphill, Inc./MD Corp.	H & G Properties, LLC/MD	11.8.2002	MDR 6622-134	Deed - fee simple	\$1,000,000	5.217 A	2 parcels, A & B
Elizabeth A. Durham pers. rep. of estate of Mary A. Brooks/?	Davis & Hemphill, Inc./MD Corp.	5.26.1980	WHH 1002-68	Deed - fee simple	\$27,000	.993 A	MAB d. 3.17.1978 B
James M. Hemphill Marin B. Davis, Jr. Sherwood H. Balderson Fred W. Adcock co-partners trading as Davis & Hemphill/Howard	Davis & Hemphill, Inc., MD Corp.	11.30.1962	WHH 395-118	Deed - fee simple	\$5.00	1) 1.82 A 2) .77 A 3) right-of-way 4) ? 5) .659 A 6) ?	A
Marion B. & Clara H. Davis (H/W)/Howard	Marion B. Davis James M. Hemphill Co-partners trading as Davis & Hemphill	2.3.1916	WWLC 100-442	Deed - fee simple	\$5.00	1.82 A	1
Horace M. & Maggie L. Jones (H/W) Howard	Marion B. Davis James M. Hemphill Co-partners trading as Davis & Hemphill/Howard	4.30.1924	HBN 120-203	Deed - fee simple	\$5.00	.77 A	2
Elmer Leon & Jeanette Catherine Brooks (H/W)/Howard	Marion B. Davis James M. Hemphill Marion B. Davis, Jr. Co-partners trading as Davis & Hemphill/Howard	8.19.1942	BM, Jr. 175-488	Deed - fee simple	\$5.00	6785.8 sq. ft.	4
Daniel M. & Marshall Hunter Murray, Jr. (H/W)/Howard	Marion B. Davis James M. Hemphill Sherwood H. Balderson Fred W. Adcock Co-partners trading as Davis & Hemphill	3.5.1948	MWB 203-2	Deed - fee simple	\$5.00	.659 A	5
John Henry & Myrtle Mae Winder (H/W) Balto. Co.	Marion B. Davis James M. Hemphill Sherwood H. Balderson Fred W. Adcock Co-partners trading as	3.22.1956	RHM 280-313	Deed - fee simple	\$5.00	?	Lot 128 x 309 x 59 x 277 feet 6

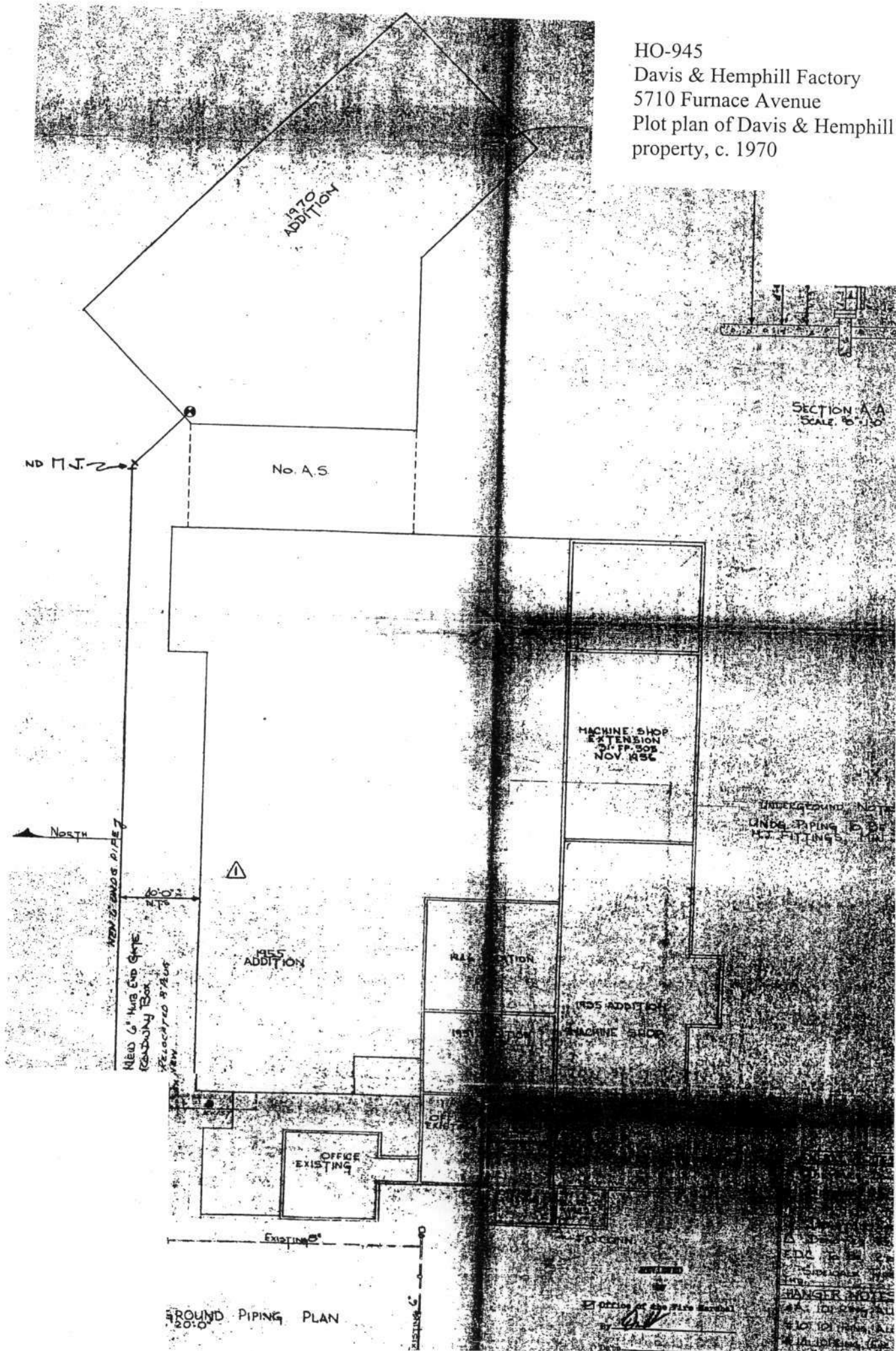
Davis & Hemphill Factory (HO-945)
 5710 Furnace Avenue
 CHAIN OF TITLE

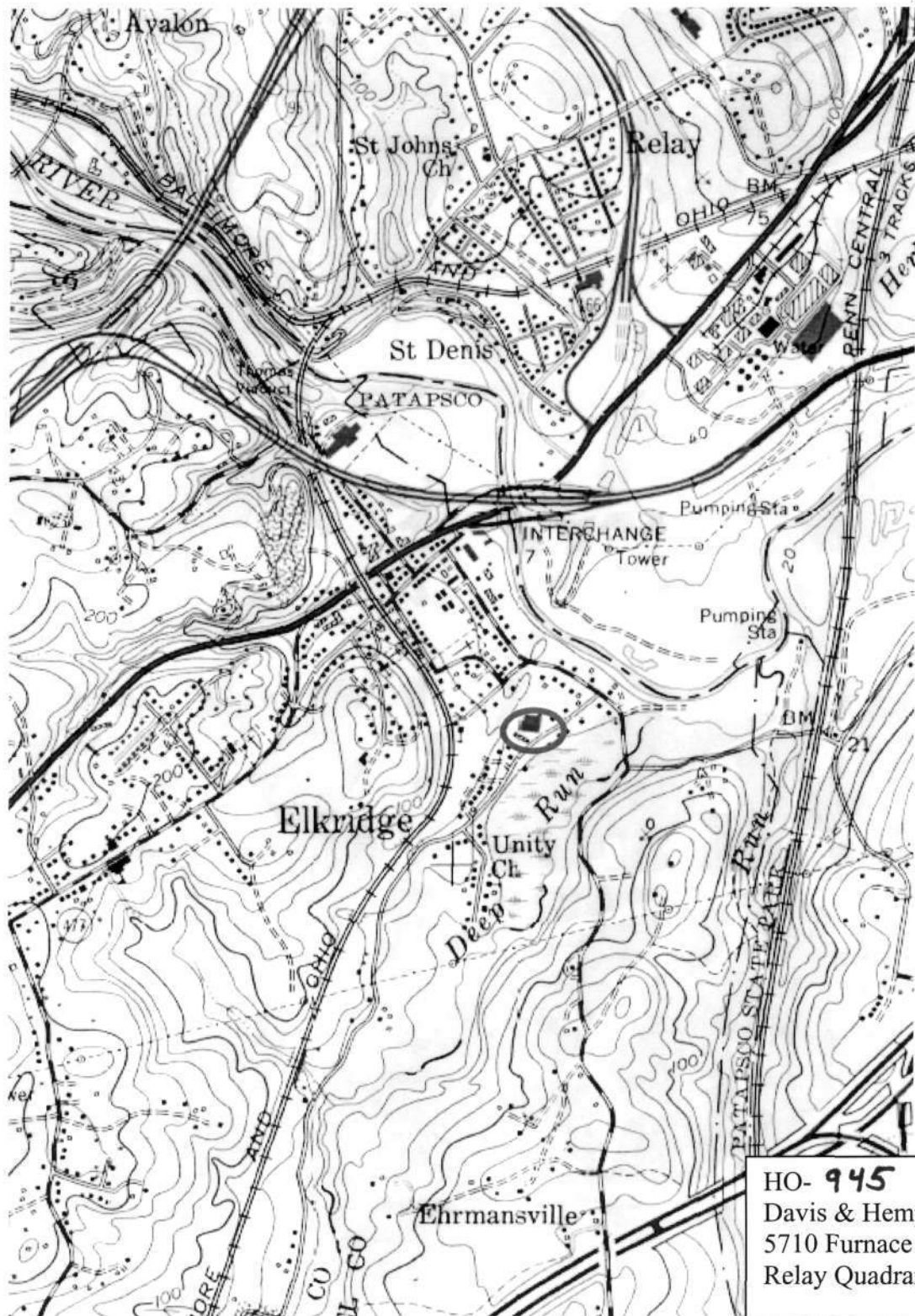
GRANTOR/HOME	GRANTEE/HOME	DATE	LIBER/ FOLIO	INSTRU- MENT	CONSIDER -ATION	ACREAGE	NOTES
	Davis & Hemphill						
Horace M. & Maggie L. Jones (H/W) <i>et al</i> /Howard	Marion B. Davis	8.3.1914	WWLC 98-19	Deed - fee simple	\$5.00	1.82 A	Correct description - others included as grantors because earlier deed was incorrect 1



HO-945
Davis & Hemphill Factory
5710 Furnace Avenue
"Floor Plan of Factory & Addition," 1936

HO-945
 Davis & Hemphill Factory
 5710 Furnace Avenue
 Plot plan of Davis & Hemphill
 property, c. 1970





HO- 945
Davis & Hemphill Factory
5710 Furnace Avenue
Relay Quadrangle

HO-945

Davis and Hemphill Factory
5710 Furnace Avenue
Howard County, Maryland
Ken Short, photographer

Photo Log

Nikon D-70 camera
HP Premium Plus paper
HP Gray Photo print cartridge

HO-0945_20080116_01
Main factory, west and south elevations

HO-0945_20080116_02
Main factory, south elevation

HO-0945_20080116_03
Main factory, east elevation

HO-0945_20080116_04
Main factory, east elevation, brick detail

HO-0945_20080116_05
Main factory, west elevation

HO-0945_20080116_06
Main factory, north elevation

HO-0945_20080116_07
Main factory, interior roof framing

HO-0945_20080116_08
"Pencil factory," north and west elevations

HO-0945_20080116_09
"Pencil factory," south and east elevations

HO-0945_20080116_10
"Pencil factory," roof framing



HO-945
Davis and Hemphill Factory
5710 Furnace Ave.
Howard County, MD

Ken Short

Jan. 2008

MO SHPO

Main Factory, west and south elevations

1/10



H0-945

Davis and Hemphill Factory
5710 Furnace Ave.

Howard County, MD

Ken Short

Jan. 2008

MD SHPO

Main Factory, South Elevation

2/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

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Jan. 2008

MD SHPO

Main factory, East Elevation

3/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

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MD SHPO

Main Factory, East Elevation, Brick Detail

4/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

Ken Short

Jan. 2008

MD SHPO

Main Factory, West Elevation

5/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

Ken Short

Jan. 2008

MD SHPO

Main Factory, North Elevation

6/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

Ken Short

Jan. 2008

MD SHPO

Main Factory, Interior Roof Framing

7/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

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Jan. 2008

MD SHPO

"Pencil Factory," North and West Elevations

8/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave.

Howard County, MD

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Jan. 2008

MD SHPO

"Pencil Factory," South and East Elevations

9/10



HO-945

Davis and Hemphill Factory

5710 Furnace Ave

Howard County, MD

Ken Short

Jan. 2008

MD SHPO

"Pencil Factory", Roof Framing

10/10