

PROPERTY REPORT

Property ID: **-343704538**

Property Name: New Standard Aircraft
Address: 230-242 E 16th ST

Ownership: Private
Apartment #: **ZIP:** 07524

PROPERTY LOCATION(S):

County:	Municipality:	Local Place Name:	USGS Quad:	Block:	Lot:
PASSAIC	Paterson		Paterson	2810	1

Property Photo:



Old HSI Number:

NRIS Number:

HABS/HAER Number:

Description:

The New Standard Aircraft mill complex, established in 1927, consists of 3 buildings formerly used for aircraft and machine manufacturing and currently occupied by commercial/industrial tenants. The 3 brick buildings connect to form a unified façade along E. 16th Street. At the rear of the lot along E. 15th street is a mid-20th-century concrete-block addition to the rear of the mills.. The brick boiler house, located behind the main buildings in what would once have been considered the courtyard, is now surrounded by late-20th-century infill.

Setting:

The New Standard Aircraft complex fronts E. 16th Street and occupies the south end of a rectangular block bound by 7th Avenue to the north, E. 16th Street to the East, 8th Avenue to the south, and E. 15th Street to the west. New Standard Aircraft shares the block with the Susquehanna Mills, a property also included within this survey. The setting is a mixed-use urban neighborhood consisting of late 19th-century mills and early-20th-century residences. The line of the former New York, Susquehanna, & Western Railroad corridor is located 2 blocks west of the New Standard Aircraft site.

Survey Name: Intensive-Level Survey of Paterson Industrial Mills

Principal Investigator: Patrick Harshbarger

Organization: Hunter Research, Inc.

☒ (Primary Contact)

Property ID:

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Registration
and Status
Dates:

National Historic Landmark?: ☐

National Register:

New Jersey Register:

Determination of Eligibility:

Certification of Eligibility:

SHPO Opinion:

Local Designation:

Other Designation:

Other Designation Date:

☒ Eligibility Worksheet included in present survey?

☐ Is this Property an identifiable farm or former farm?

Location Map:

Site Map:



BIBLIOGRAPHY:

Author:	Title:	Year:	HPO Accession #: (if applicable)
Hyde, E B	Atlas of Passaic County, New Jersey	1877	
Robinson, E	Atlas of the City of Paterson, New Jersey	1884	
Robinson, E.	Atlas of the City of Paterson and Haledon, New Jersey	1899	
Mueller, A H	Atlas of the City of Paterson, New Jersey	1915	
Sanborn Map Company	Insurance Maps of Paterson, New Jersey	1915	
Sanborn Map Company	Insurance Maps of Paterson, New Jersey	1931	
Sanborn Map Company	Insurance Maps of Paterson, New Jersey	1950	

Additional Information:

More Research Needed? ☒ (checked=Yes)

INTENSIVE-LEVEL USE ONLY:

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Attachments Included:

0	Building	0	Bridge
0	Structure	0	Landscape
0	Object	3	Industry

Historic District ? ☐

District Name: not applicable

Status:

Associated Archeological Site/Deposits? ☒

(known or potential sites. If Yes, please describe briefly)

Potential for industrial archaeology (interior)

Conversion Problem? ☐ ConversionNote: 29

Date form completed: 9/7/2012

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INDUSTRIAL BUILDING ATTACHMENT

Common Name: 230-242 E. 16th Street

Historic Name: South Mill at New Standard Aircraft

Present Use: Industrial, light industrial

Historic Industry: Machine Manufacture (All types)

Construction Date: 1927 **Source:** Historic Maps

**Construction
Start Date:**

**Construction
End Date:**

Building ID:

Style:

☐ Vernacular?

Exterior Finish Materials: Brick, Running Bond

Physical Condition: Good

Foundation Materials:

Remaining Historic Fabric: Medium

Roof Finish Materials: Asbestos Shingle

Length: 200 **Stories:** 1

Structural System:

Width: 50 **Bays:** 5

Roof System:

Equipment/Machinery:

Transportation Links: ☐ airstrip

☐ loading dock

☐ slip

(checked if applicable)

☐ dock

☐ rail siding

☐ other

Exterior Description:

The South Mill at New Standard Aircraft is a 1-story, 5-bay brick industrial building constructed in 1927. It has a front gabled roof sheathed in asphalt shingles and a stepped brick parapet wall at the gable end. A 5-ft., frame monitor roof has been clad in vinyl siding. The east-facing front façade once had arched window openings with arched brick lintels, but the openings have been infilled with brick. The window bays are recessed and have dentiled brick detailing. A garage bay has been cut into the middle of the east façade. The building has wooden, 24-light replacement windows, two of which occupy the end bays of the east elevation. The south elevation stretches 22 bays. Every other window opening has been infilled with brick; the remaining openings have 24-light replacement windows. An elevated loading bay is located at the middle of the south façade. At the southeast corner of the building along 8th Avenue is a plaque that reads "New York Pressing Machinery Corp. Manufacturers of Steam Pressing Machines, Steam-Electric Pressing Appliances 230-242." The west gable end has a stepped brick parapet wall mirror that on the east end. Attached to the building's north façade toward the front is the Middle Mill; attached to the north façade at the rear is a 20th-century stuccoed infill building.

Interior Description:

The interior of the building was not accessible at the time of this survey. 1931-1950 Sanborn maps indicate the building has a cement floor.

Alteration Dates:

Alteration(s):	Circa Date:	Date Range:	Source:
Physical alteration		to	Window replacements; garage bay addition

Architect/Designer:

Type:	Name:	Person/Firm Description:
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Survey Name: Intensive-Level Survey of Paterson Industrial Mills

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Principal Investigator: Patrick Harshbarger

☒ (Primary Contact)

-343704538

Organization: Hunter Research, Inc.

Date form completed:

9/28/2012

Survey Name: Intensive-Level Survey of Paterson Industrial Mills

Principal Investigator: Patrick Harshbarger

Organization: Hunter Research, Inc.

☒ (Primary Contact)

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INDUSTRIAL BUILDING ATTACHMENT

Common Name: 230-242 E. 16th Street

Historic Name: Middle Mill at New Standard Aircraft

Present Use: Commercial, shopping

Historic Industry: Machine Manufacture (All types)

Construction Date: 1927 **Source:** Historic Maps

**Construction
Start Date:**

**Construction
End Date:**

Building ID:

Style:

☐ Vernacular?

Exterior Finish Materials: Brick, Common Bond

Physical Condition: Good

Foundation Materials:

Remaining Historic Fabric: Medium

Roof Finish Materials: Asphalt Shingle

Length: 100 **Stories:** 2

Structural System:

Width: 75 **Bays:** 8

Roof System:

Equipment/Machinery:

Transportation Links: ☐ airstrip

☐ loading dock

☐ slip

(checked if applicable)

☐ dock

☐ rail siding

☐ other

Exterior Description:

The Middle Mill at New Standard Aircraft is a 1927 industrial building with a twin front-gabled roof sheathed in asphalt shingles. The metal cornice is capped with aluminum. Brick pilasters divide the bays; at the top of each bay is dentiled brick detailing. Second story window openings have been resized and infilled with brick and small, vinyl, 1/1 double hung sash windows. The original window openings have arched brick lintels and stone sills. Original window openings under the north gable are wider than those under the south gable. First story windows are metal 12/12 double hung sash. Three entrances punctuate the first story: a flush door, a commercial entrance, above which is a vinyl awning, and a glazed entrance with a steel frame and transom. Behind the Middle Mill is a brick, cylindrical smokestack. The building extends 100 ft. behind the south gable, and 50 ft. behind the north gable. Attached to the Middle Mill's south elevation is the South Mill; attached to the north elevation is the North Mill.

Interior Description:

The interior was not accessible at the time of this survey. Sanborn maps from 1931-1950 indicate the southern portion of this building had a cement floor.

Alteration Dates:

Alteration(s):	Circa Date:	Date Range:	Source:
Physical alteration		to	Window materials

Architect/Designer:

Date form completed: 9/28/2012

Survey Name: Intensive-Level Survey of Paterson Industrial Mills

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**Principal
Investigator:** Patrick Harshbarger

☒ (Primary Contact)

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Organization: Hunter Research, Inc.

INDUSTRIAL BUILDING ATTACHMENT

Common Name: 230-242 E. 16th Street

Historic Name: North Mill at New Standard Aircraft

Present Use: Industrial, light industrial

Historic Industry:

Construction Date: 1927

Source: Historic Maps

**Construction
Start Date:**

**Construction
End Date:**

Building ID:

Style:

☐ Vernacular?

Exterior Finish Materials: Brick, Common Bond

Physical Condition: Good

Foundation Materials:

Remaining Historic Fabric: Medium

Roof Finish Materials: Asphalt Shingle

Length: 125

Stories: 1

Structural System:

Width: 40

Bays: 5

Roof System:

Equipment/Machinery:

Transportation Links: ☐ airstrip

☐ loading dock

☐ slip

(checked if applicable)

☐ dock

☐ rail siding

☐ other

Exterior Description:

The North Mill at New Standard Aircraft is a 1-story, 5-bay brick building constructed 1927. It has a front-gabled roof sheathed in asphalt shingles and a brick parapet wall at the gable ends. A frame monitor roof rises 4 ft. above the primary roof. The roofline has metal coping. Projecting brick pilasters divide the bays. The south bay on the east elevation has a modified opening that now contains a flush metal door. A garage bay with a rolling metal gate occupies the bay immediately north of this door. The other three bays on the east elevation have rectangular window openings with stretcher lintels and stone sills; the windows are boarded. The south elevation of the North Mill is attached to the Middle Mill.

Interior Description:

The interior was not accessible at the time of this survey.

Alteration Dates:

Alteration(s):	Circa Date:	Date Range:	Source:
Physical alteration		to	Modified window openings

Architect/Designer:

Date form completed: 9/28/2012

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ELIGIBILITY WORKSHEET - Properties

Property ID **-343704538**

History:

New Standard Aircraft began in Paterson 1927 as the Gates-Day Aircraft Company, manufacturers of airplanes. The founders were Ivan Gates of the Gates Flying Circus and Charles H. Day, who established a manufacturing plant at the corner of E. 16th Street and 8th Avenue in Paterson. This was the former site of the Perfection Silk Dyeing Co., whose buildings were demolished to make way for the Gates-Day plant. Paterson had a long-established population of skilled machinists from the textile machine and locomotive works. The founding of an aircraft manufacturing plant in Paterson capitalized on the pre-existing population of skilled machinists in the area.

Gates-Day sold planes on the civilian market and developed a number of biplanes. They updated the Standard Aircraft Corporation Standard J-1 United States Army aircraft trainer for civilian use. After Day left the company in 1928, Charles L. Augur took over as president, at which time the company name changed to the New Standard Aircraft Company. Despite initial success in the aviation market, New Standard Aircraft weakened during the Great Depression. In an effort to save the company, Day returned as firm president in 1930, only to sell his financial interest in 1931. Later that year, the company went bankrupt. The failure of the company eventually led to the suicide of co-founder Ivan Gates in 1932.

The New York Pressing Machine Corporation, manufacturers of steam pressing machines and steam-electric pressing appliances, eventually occupied the former New Standard Aircraft site. The footprint of the site on 1950 Sanborn maps is identical to that on 1931 maps, suggesting the New York Pressing Machine Corporation did little to expand upon the facilities. Little is known about the history of this corporation. Today the site houses a variety of light industrial and commercial enterprises, including a wholesale appliance sales and repair shop.

Statement of Significance:

New Standard Aircraft perpetuates the tradition of skilled machine work in Paterson within the development of a characteristically 20th-century industry -- aircraft manufacture. Though initially constructed for the manufacture of aircrafts, the New Standard Aircraft site evolved with few major changes to accommodate the production of steam pressing machinery for the textiles industry. This fact displays the versatility of early 20th-century machine mills and the ease with which they could adapt for new endeavors.

Architecturally, the complex is a later example of machine shop architecture, yet it demonstrates the persistence of the traditional mid-19th-century form well into the first third of the 20th century. The unified façade and E-shaped plan of the complex gives it aesthetic appeal.

Eligibility for New Jersey and National Registers: ☒ Yes ☐ No

National Register Criteria: ☒ A ☐ B ☒ C ☐ D

Level of Significance: ☒ Local ☐ State ☐ National

Justification of Eligibility/Ineligibility:

The New Standard Aircraft machine shop and offices is recommended eligible under Criteria A for contributing to the understanding of the long-term development of Paterson's machine works industry and its skilled workforce as it expanded into other fields of endeavor, beyond its traditional textile machine focus, in the early 20th century. It is eligible under Criterion C as a significant and complete representative example of an early 20th century aircraft factory that followed the form of a traditional machine works.

Total Number of Attachments: 3

List of Element Names:
South Mill at New Standard Aircraft
Middle Mill at New Standard Aircraft
North Mill at New Standard Aircraft

Narrative Boundary Description:

The property boundary is tax block 2810, lot 1, as shown on the 2006 tax map accompanying this form.

Date Form Completed: 9/28/2012

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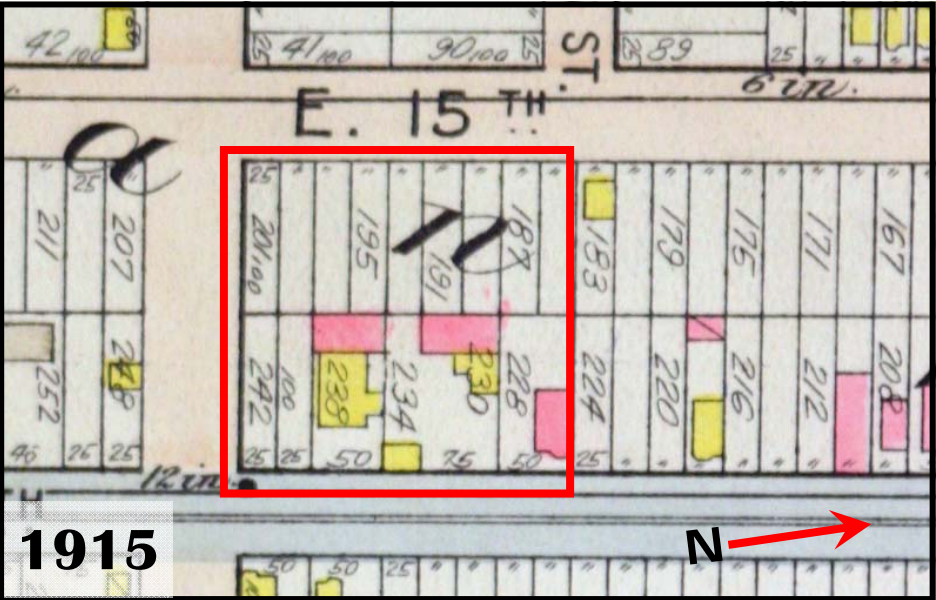
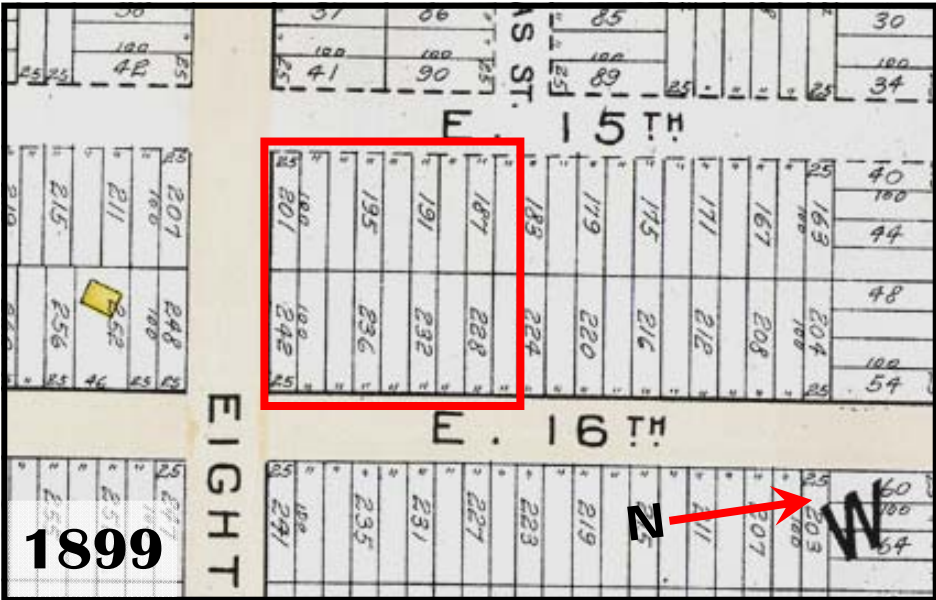
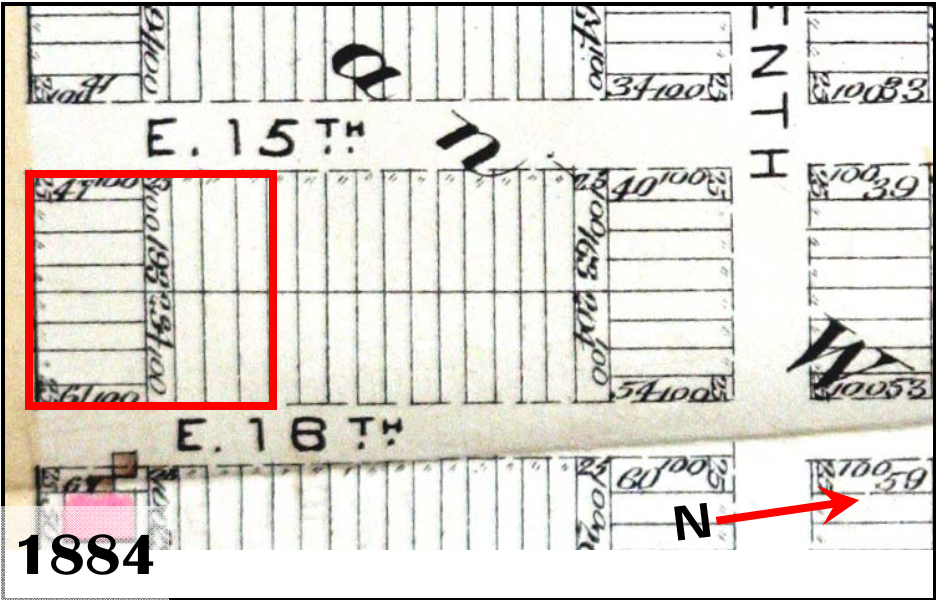
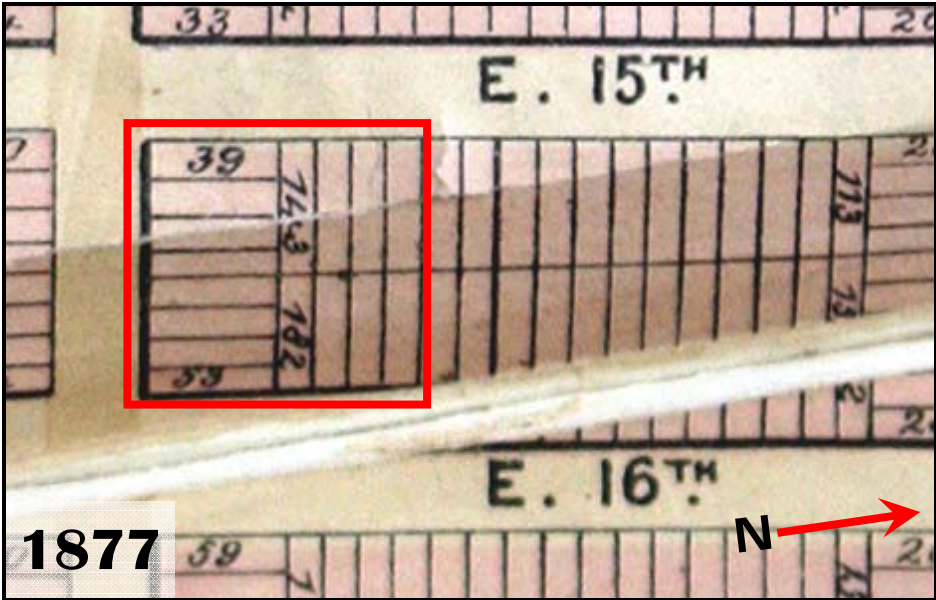
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☒ (Primary Contact)

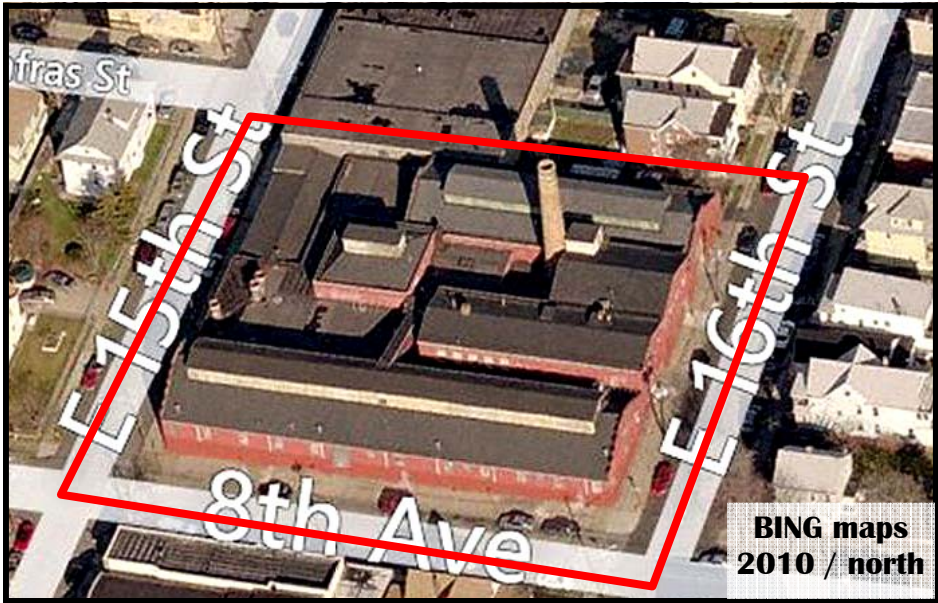
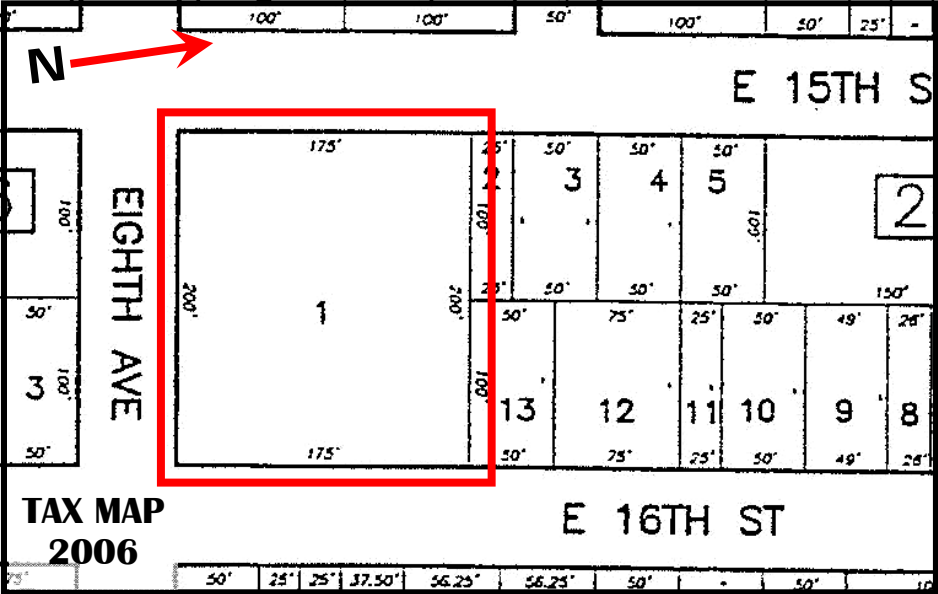
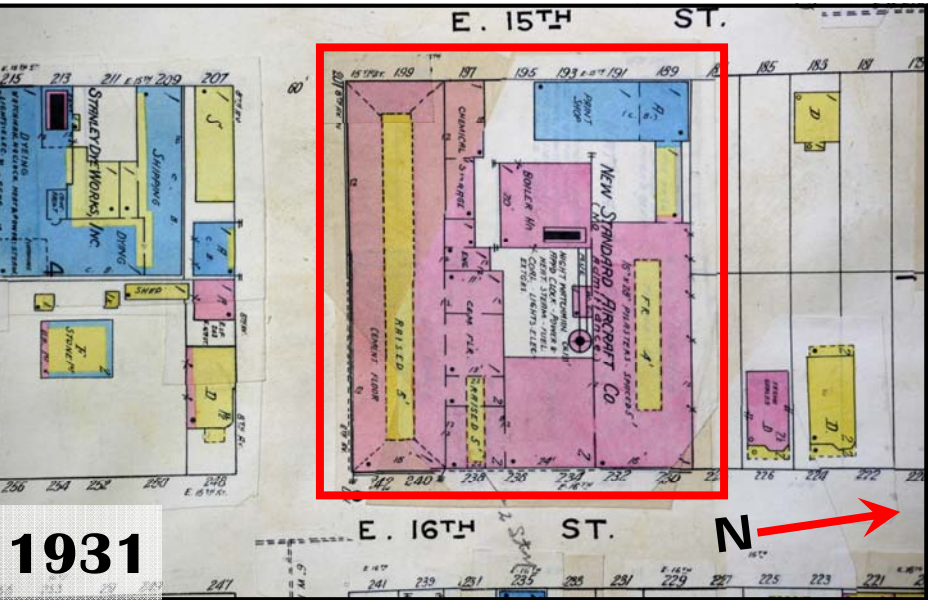
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NEW STANDARD AIRCRAFT
230-242 East 16th St., Paterson, NJ B 2810 L 01
Site Development Maps 1877, 1884, 1899, 1915



NEW STANDARD AIRCRAFT
230-242 East 16th St., Paterson, NJ B 2810 L 01
Site Development Maps, 1931, 2006, 2010



NEW STANDARD AIRCRAFT

230-242 East 16th St., Paterson, NJ B 2810 L 01

Photographs, historic / contemporary



AIRCRAFT 1: Oblique overview of complex facades along East 16th St. looking north from corner of Eight Ave. and East 16th St..



AIRCRAFT 2: Oblique overview of facades along East 16th St. looking north from East 16th St.



AIRCRAFT 3: View looking west of the 16th St. entrance to one-half story machine shop building that occupies the length of the block along 8th Ave. Corner of 8th Ave is at left frame.



AIRCRAFT 4: View looking west of the 16th St. entrance to the one-story machine shop building adjacent to the larger pair adjacent to it, seen at left frame.

NEW STANDARD AIRCRAFT

230-242 East 16th St., Paterson, NJ B 2810 L 01

Photographs, historic / contemporary



AIRCRAFT 5: Oblique overview of complex along East 16th St. looking south from about mid point in the block between 7-8th Avenues.



AIRCRAFT 7: Oblique overview of complex along East 15th St. looking south. The recently refinished buildings in foreground may have been the paint shops.



AIRCRAFT 6: Oblique overview looking east of the 15th St. rear of the one-half story machine shop building that occupies the length of the block along 8th Ave. Corner of 8th Ave and 15th St. is shown.



AIRCRAFT 8: View of rear elevation (west) of the one-half story machine shop building that occupies the length of the block along 8th Ave.