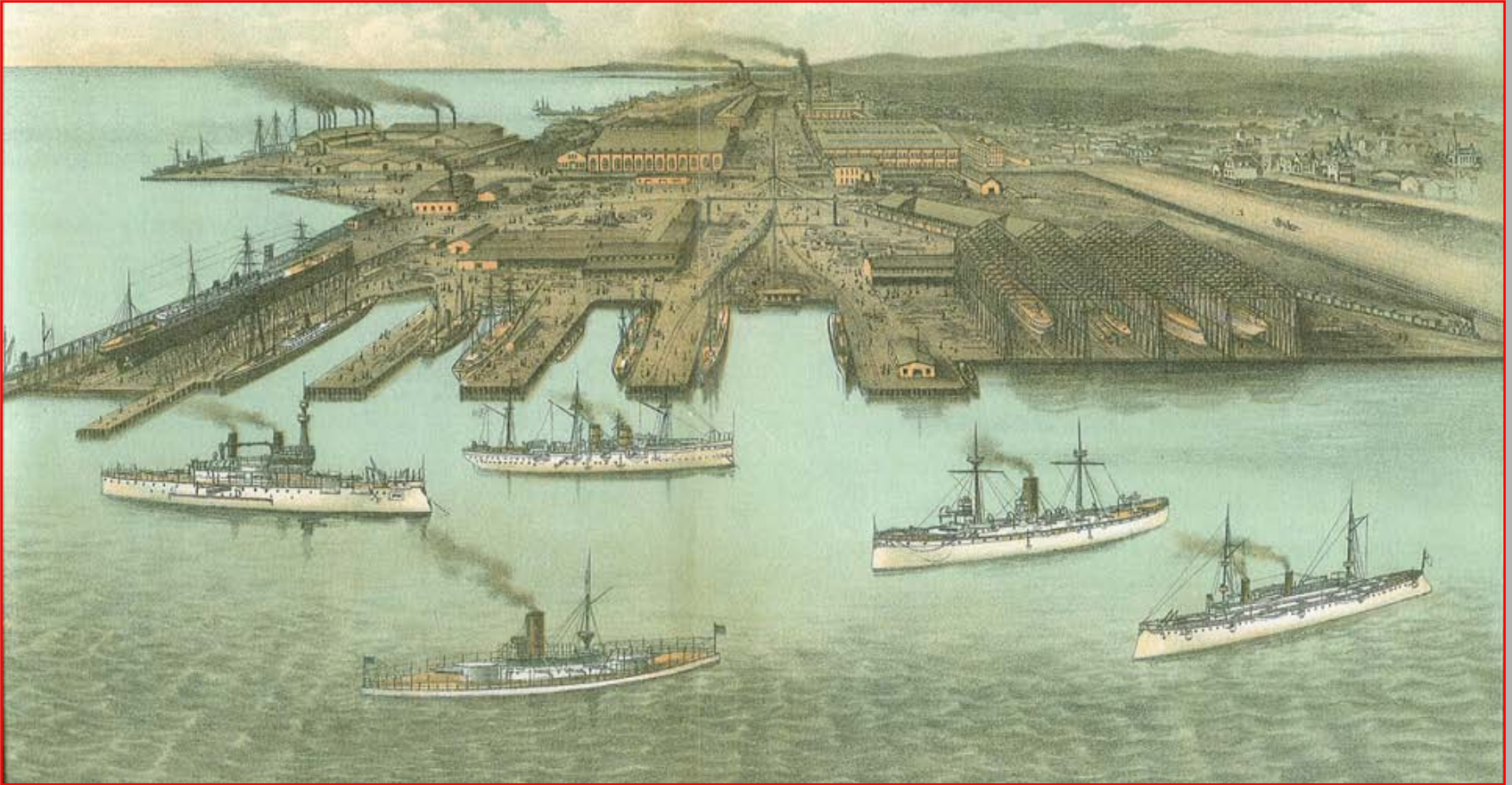


# Pier 70



A Microcosm of American  
Shipbuilding





# Points

- Organizing a large, diverse district
- The survey process – forms, photos, etc. – keeping everything organized
- Research on a budget
- Deciding which stories to tell
- Period of significance, integrity, and contributing / non-contributing status
- Political context – working with the Port, Planning, and SHPO



# Carey & Co. Role

- 1995 – Survey
- 2006–2008 NR Nomination
- Master Plan / Guidelines
- Conditions assessments

## TEAM

- Port: David Beaupre, Mark Pa
- Carey & Co: Nancy Goldenberg,  
Allison Vanderslice, Charlie  
Duncan, Christopher Meyer,  
Elizabeth Graux
- Marjorie Dobkin: Labor Historian
- SHPO = Amy Crain





# Getting Started

- Winning the project
- Contract specified A&C contexts
- Recon surveys
- Survey form design
- Review easily available info



# Organizing the Survey

- Start w/ Recon
- Form for exterior & interior
- One form per building

Pier 70 Survey  
Carey & Co. Inc.

Historic Resources Survey Form  
Date: 2006

PHOTO NUMBER:

SURVEYOR:

BUILDING NAME/NUMBER:

SITE FEATURES (CIRCULATION, LANDSCAPE):

ORIENTATION:

EXTERIOR

NUMBER OF STORIES: 1 2 3 4 5 6

VERTICAL DIVISIONS (BAYS):

BUILDING TYPE: BRICK MASONRY CONCRETE METAL WOOD SHED (NO FOUNDATION) OTHER:

PLAN TYPE: SQUARE RECTANGULAR U-SHAPED L-SHAPED COMPLEX OTHER:

EXTERIOR CLADDING: WOOD (HORIZ/VERT) STUCCO CORRUGATED METAL BRICK CONCRETE OTHER:

ROOF TYPE: GABLE HIPPED FLAT SHED SAWTOOTH GABLED MONITOR OTHER:

ROOF CLADDING: WOOD SHINGLE ASPHALT SHINGLE TILE GRAVEL CORRUGATED METAL OTHER:

PRIMARY WINDOW TYPE - MATERIAL: WOOD STEEL ALUMINUM VINYL OTHER

OPERATION: STEEL SASH: FIXED AWNING HOPPER CASEMENT \_\_\_\_ LITES

DOUBLE-HUNG (\_\_\_\_ OVER \_\_\_\_ ) SLIDER OTHER:

NUMBER:

DOORS: ROLLING METAL STEEL (PERSONNEL) WOOD OTHER:

NUMBER:

NOTABLE FEATURES/ORNAMENTAL DETAILS:

ALTERATIONS/ADDITIONS:

OVERALL CONDITION:



# Organizing the Survey

- Supplemented other info
- Used for preparing descriptions
- Completed forms kept in Binder with hist. drawings & any DPRs
- Big help in

Pier 70 Survey  
Carey & Co. Inc.

Historic Resources Survey Form  
Date: 2006

---

INTERIOR

SIGNIFICANT INTERIOR SPACES/FEATURES:

NUMBER OF ROOMS PER FLOOR:

FIRST: SECOND: THIRD: FOURTH: FIFTH: SIXTH:

PRIMARY FINISHES:

FLOOR: WOOD T&G WOOD BLOCK CONCRETE OTHER:

NOTE CONDITION:

WALLS: BRICK PLASTER CONCRETE OTHER:

NOTE CONDITION:

CEILING: PLASTER WOOD METAL ACOUSTICAL TILES EXPOSED STEEL STRUCTURE OTHER:

NOTE CONDITION:

SKETCH FLOOR PLAN (SHOWING ALTERATIONS):

---

# Organizing the photos

- Took 100s of photos
- Photos organized by building
- Interior & exterior sub folders
- Other specialized folders





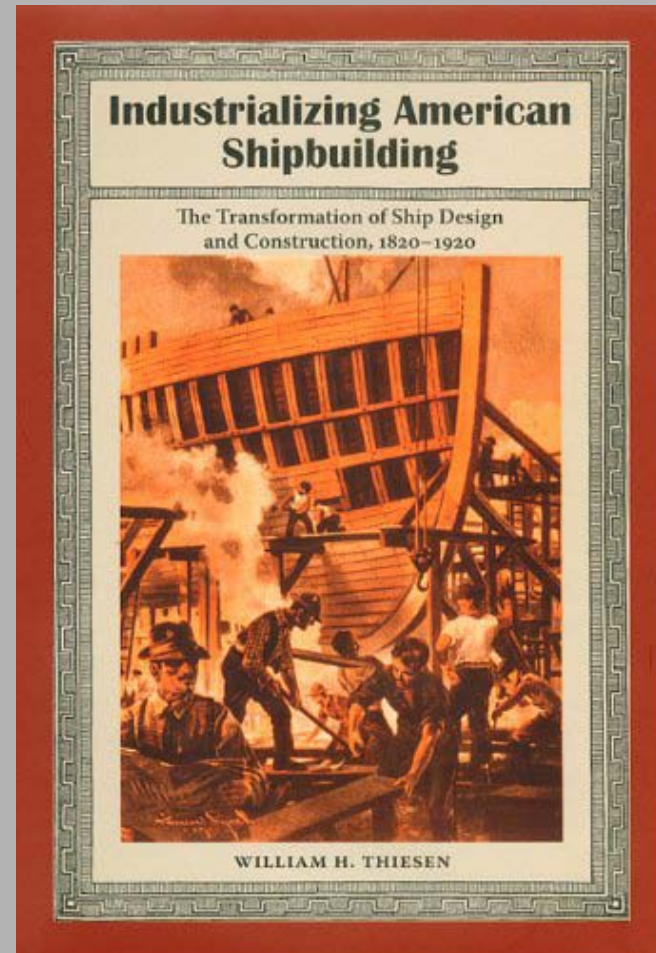
# Organizing Data

Pier 70 Resources

Building Number	Name/Function	Address	Date Built	Association	Architect/Engineer	Construction Type	Overall Condition	Carey & Co Rating	2001 Cost/1 Waterfront Survey	Southern Waterfront	Port Historic Resources Database (ARG 1996)	SF Resource Category	Port of SF Rapid Eval
2	Warehouse		1941/44	WWII		concrete	fair	C	3D		Potential district contributor	A	N/R
6	Light Warehouse		1941	WWII		steel frame	fair	C	3D	3D	Potential district contributor	A	RED
11	The Noonan Building (Tool Room and Office)		1941	WWII		wood frame	fair to good	C	3D	3D	Potential district contributor	A	GREEN
12	Plate Shop No. 2		1941	WWII		steel frame/wood floor	fair	S	3D	3D	Potential district contributor	A	GREEN
14	Heavy Warehouse		1941	WWII		steel frame	fair	C	3D	3D	Potential district contributor	A	N/R
15	Layout Yard		1941	WWII		steel frame	fair	C	3D		Potential district contributor	A	GREEN
16	Stress Relieving Building		1941	WWII		steel frame	fair	C	3D		Potential district contributor	A	N/R
19	Garage No. 1		1941	WWII		steel/concrete	fair	C	3D	3D	Potential district contributor	A	GREEN
21	Electric Shop/Substation No. 5		1900	Railroad Iron		steel	fair to poor	S	3B		Potential district contributor	A	GREEN
24	Washroom and Locker Room		1941	WWII		concrete		C					N/R
25	Washroom and Locker Room		1941	WWII		steel frame	fair	C	3D		Potential district contributor	A	N/R
29	Washroom and Locker Room (Demolished)		1941	WWII		steel	Demolished	NC	4D5			A	N/R
30	Template Warehouse		1941	WWII		steel/wood frame	fair	C	4D5		Potential district contributor	A	N/R
32	Template Warehouse		1941	WWII		steel frame	fair	C	3D		Potential district contributor	A	N/R
36	Welding Shop		1941	WWII		steel frame	good	C	3D	3D		A	GREEN
38	Boiler Shop		1915/41	Berthlehem Steel		concrete	poor	C	3D	3D	Potential district contributor	A	GREEN/YELLOW
40	Berthlehem Steel Employment Office		1941	WWII		concrete	poor	C	3D	3D	Potential district contributor	A	N/R
41	Fire Station		1941	WWII		steel	poor	NC					N/R
48	Boiler - (Demolished)		c. 1940	WWII		WWII	Demolished	NC			Potential district contributor	N/A	N/R
49	Galvanizing Shop		c. 1940	WWII		steel frame	fair	C	4D5		Potential district contributor	A	GREEN
50	Demolished					steel frame	demolished	NC	3D			A	N/R
58	Pier 68 Substation #4		1943	WWII		steel/concrete	fair to good	C				N/A	N/R
64	Substation #6		1945	WWII		steel frame		C	4D5.7			A	N/R
66	Berthlehem Welding Platform		c. 1945	WWII		steel frame	fair to poor	C	4D5		Potential district contributor	A	N/R
68	Pier 68 Substation #7/Dry Dock office		Post 1945			brick	good	NC				N/A	GREEN
101	Berthlehem Steel Administration Building	548 20th St.	1917	Berthlehem Steel	F.H. Meyer	concrete	fair	VS	3B	3B	Potential indl. & dist. contributor	A	YELLOW
102	Powerhouse No. 1	460 20th St.	1912	Berthlehem Steel	Charles P. Weeks	concrete	good	VS	3B	3B	Potential indl. & dist. contributor	A	GREEN
103	Steam Powerhouse No. 2		1937	Berthlehem Steel		brick/steel	good	S	3D	3D	Potential district contributor	A	GREEN
104	Office Building	430 20th St.	1896	Union Iron Works	Percy & Hamilton	brick masonry	poor	VS	3B	3B	Potential indl. & dist. contributor	A	N/R
105	Forge Shop		c. 1890/1937	Berthlehem Steel		steel frame	good	S	3D	3D	Potential indl. & dist. contributor	A	GREEN/YELLOW
107	Union Iron Works West Lumber Shed		1937	WWII		steel frame		NC	4D5		Potential district contributor	A	GREEN
108	Planing Mill and Joinery Shop		1911/13	Berthlehem Steel		steel/wood?	fair to good	C	3D	3D	Potential district contributor	A	GREEN
109	Plate Shop No. 1		1912/36	Berthlehem Steel		steel/wood?	fair	S	3D	3D	Potential district contributor	A	GREEN
110	Yard Washroom/Locker Room		1936	Berthlehem Steel		brick/steel		C	3D	3D	Potential district contributor	A	N/R
111	Main Office, Warehouse, and Substation No. 3		1917	Berthlehem Steel		brick masonry	fair	S	3D	3D	Potential district contributor	A	N/R
113	Machine Shop No. 1		1886/1914	Union Iron Works	Dr. D. E. Melliss	brick masonry	fair to poor	VS	3B	3B	Potential indl. & dist. contributor	A	N/R
114	Machine Shop Storage		1886/1914	Union Iron Works	Dr. D. E. Melliss	brick masonry	fair to poor	VS	3B	3B	Potential indl. & dist. contributor	A	N/R
115	Concrete Warehouse		1917	Berthlehem Steel		concrete	fair to good	VS	3D	3D	Potential district contributor	A	YELLOW
116	Concrete Warehouse		1917	Berthlehem Steel		concrete	fair to good	VS	3D	3D	Potential district contributor	A	YELLOW
117	Warehouse No. 9		1941	Berthlehem Steel		steel frame	good	C	3D	3D	Potential district contributor	A	GREEN
119	Yard Washroom		1936	Berthlehem Steel		brick/steel	fair	C	3D	3D	Potential district contributor	A	RED
120	North Lumber Shed		1936/1942	WWII		steel frame	good	C	3D		Potential district contributor	A	GREEN
121	Dry Dock Office		1941	WWII		wood frame	good	C	3D			A	GREEN
122	Union Iron Works moved Gatehouse		1916/1941	Berthlehem Steel		concrete	fair	C	3D		Potential district contributor	A	N/R
123	Checkhouse No. 2		1916	Berthlehem Steel		concrete	good	C/S	3D	3D	Potential district contributor	A	N/R
141	Pier 68 Breakroom/Washroom/Restroom		Post 1945			corrugated metal	good	NC				N/A	GREEN
127	Pier 68 Production Offices		c. 1940	WWII			good	NC			Potential district contributor	N/A	GREEN
	Cantty Cranes		1940s	WWII				C			Potential district contributor	N/A	N/R
	Safety Display Board (left of entry to 113)		1940s	WWII				C			Potential district contributor	N/A	N/R
	Union Iron Works Fence (W side of 40)		c. 1917	Berthlehem Steel				C			Potential district contributor	N/A	N/R
	Wharf 1		1886/1915				ruin	NC/Setting				N/A	N/R
	Wharf 3		1886/1915/1967				rebuilt	NC/Setting				N/A	GREEN
	Wharf 4		1957				rebuilt	NC/Setting				N/A	GREEN
	Wharf 5		1945/1980				rebuilt	NC					RED
	Dredock No. 1		1943				poor	NC/Setting					N/R
	Dredock No. 2		1970				good	NC/Setting					N/R
	Dredock Eureka		c. 1940s, moved to site c. 1993				good	NC/Setting					N/R
	Slip 1		1886/1915/1946				infilled	C					N/R
	Slip 2		1900/1915				infilled	C					N/R
	Slip 3		1900/1915				infilled	C					N/R
	Slip #4 & Cranes		1941	WWII			fair to poor	S	4D2		Potential district contributor	A	N/R
	Slips 5,6 (filled and paved over)		1941				infilled	C					N/R
	Wet Basin 1		1918					NC/Setting					N/R
	Wet Basin 2		1886					NC/Setting					N/R
	Wet Basin 3		1941					NC/Setting					N/R
	Wet Basin 4		1942					NC/Setting					N/R
	Wet Basin 5		1942					NC/Setting					N/R
	Wet Basin 6		1942					NC/Setting					N/R
	Wet Basin 7		1945					NC/Setting					N/R
	Wharf 6		1941				ruin	NC/Setting					N/R
	Wharf 7		1942				ruin	NC/Setting					N/R
	Irish Hill Remnant		1890s					S					N/R
	20th Street Paving							C					N/R
	Rail Lines		Various					C					N/R

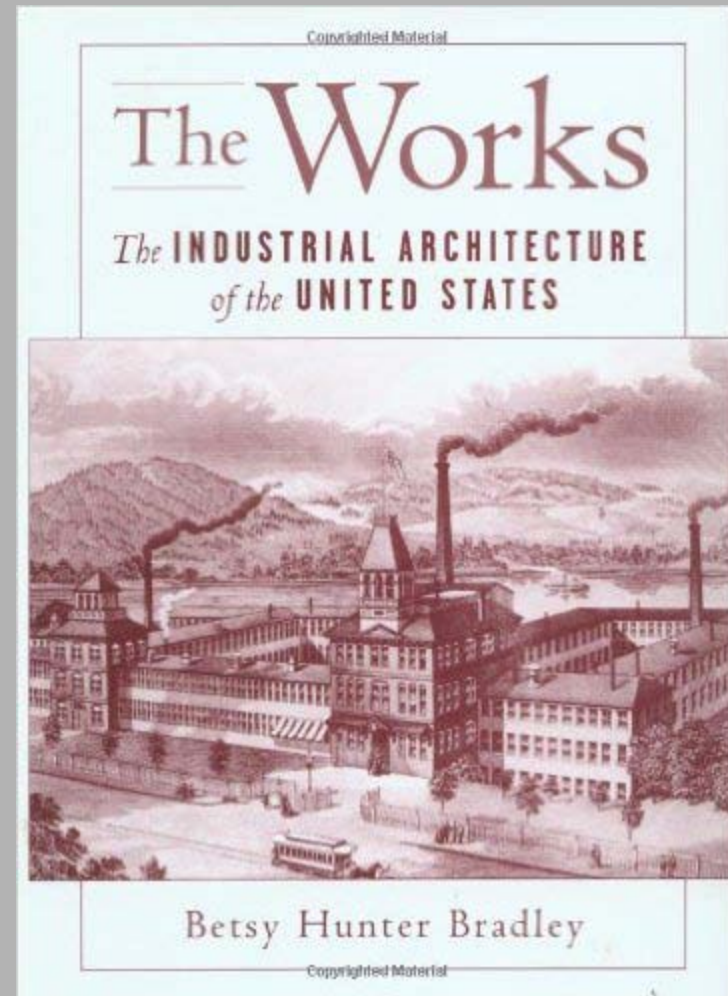
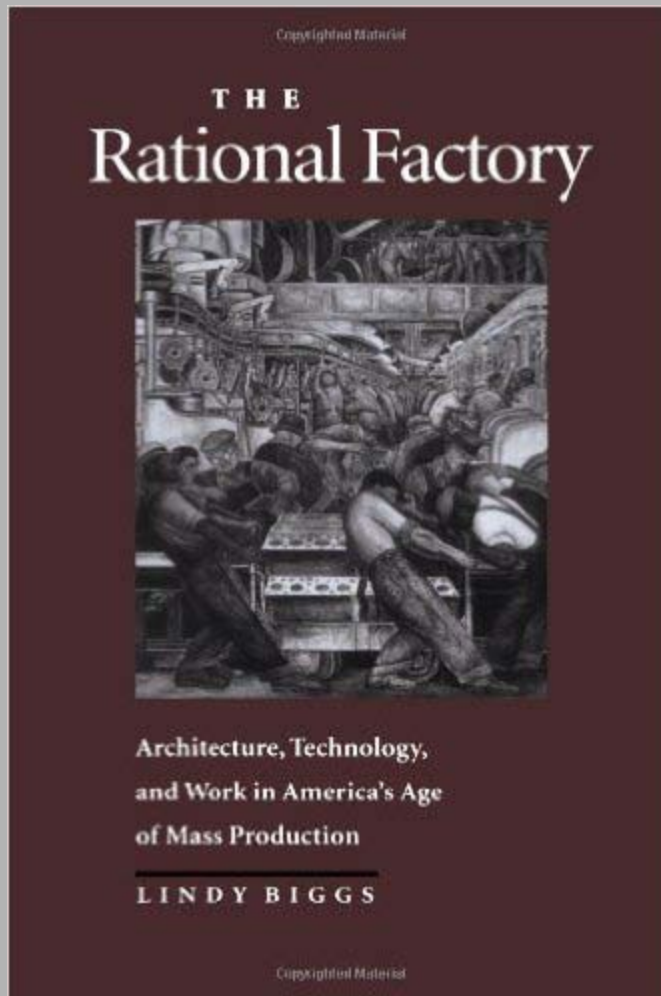
# Research on a budget

- General to specific
- Low-hanging fruit
  - Port records
  - Bethlehem Steel record drawings
  - General reference material
  - Sanborn maps





# Useful References – Architecture



# Primary Research

- Hagley Museum, Delaware
- Bancroft Library
- J. Porter Shaw Library
- Bethlehem Steel
- Rosie the Riveter Park
- Oral histories
- Newspapers &





# Prepare Descriptions

- Interiors & Exteriors
- Historic use for each
- Site description over time
- Sanborn maps/Port drawings critical



[illegible]

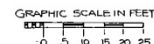
BUILDING	NUMBER	(120)	(107)	(106)	
"	OWNED BY	B. S. CO.	B. S. CO.	B. S. CO.	
"	ERECTED	1936 - 1942	1937	1911 - 1913	
"	LENGTH	71'-0"	124'-0"	155'-0"	
"	WIDTH	22'-0"	33'-0"	14'-0"	
"	HEIGHT	19'-0"	20'-3"	50'-0"	
"	AREA	1515 SQ. FT.	3575 SQ. FT.	20660 SQ. FT.	
1ST. FLOOR	"	1392	3461	20423	
2ND	"	NONE	NONE	20423	
CUBIC CONTENTS		22272 CU. FT.	54000 CU. FT.	776309 CU. FT.	
MATERIALS		ST. L. & BRICK	STEEL & BRICK	STEEL & WOOD	
BUILDING CONSTRUCTION		1ST CLASS	1ST CLASS	2ND CLASS	
FLOORING		CONC. & BITU	BITUMULOS	WOOD	
ROOFING		CORR. G. I.	CORR. G. I.	G. I. & FELT	
SPRINKLER SYSTEM (WET) IN BUILDING NO.	105 ONLY				
UNDER 1ST FLOOR	84 HEADS	1ST FLOOR	260 HDS	2ND FLOOR	325 HDS

E 440V. 3 $\phi$  A.C.  
E2 120-208 V. A.C.  
TE TELEPHONE  
DW1 3" DOMESTIC WATER  
DW2 6" " "  
DW3 3/4" " "  
HR HOSE REEL  
CA 2" COMPRESSED AIR  
G 1/2" GAS  
ST 1" STEAM  
SW 6" SALT WATER  
S 10" STORM DRAIN TO SEWER  
SI 4" SANITARY DRAIN TO SEWER

☐ CEILING OUTLET  
☒ WALL BRACKET  
☒ CONVENIENCE  
☒ ELECTRIC CABINET  
☐ LIGHTING  
 A 440 A.C.  
 TRANSFORMERS IN POWER HOUSE NO. 1

PLAN BLDG. NO. 120

SECT. B-B'



# Telling the Stories: Context

- 2 contexts required (by contract)
- Each needed to be comprehensive
- One related to history (Criterion A)
- One related to architecture (Criterion C)
- Each required sufficient back up



# Context Statements

- Criterion A
  - Growth & dev. of steel shipbuilding
  - Influence of UIW
  - Role of labor
  - Heavily influenced by wars
  - 1884–1945
- Criterion C
  - Trends in industrial architecture
  - 1883–1945



# Labor History

- Marjorie Dobkin – labor history research
- Material extensively cited in nomination



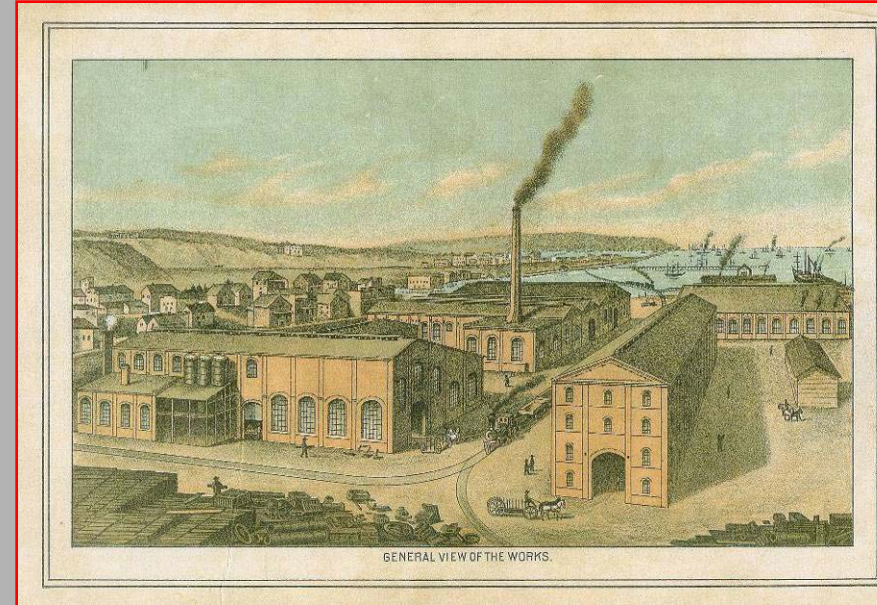
# UIW– Capsule History

- 1849–James & Peter Donahue found first iron works in tent @ Jackson & Montgomery
- 1850 – Union Iron & Brass Foundry moves South of Market
- 1853 – Peter Donahue sole owner – Union Iron Works – engines & metal parts for wooden ships
- 1865 – Irving Scott becomes partner
- 1870s – planning began for shipyard @ Petrone Pt



# UIW– Capsule History

- 1884 – New shipyard opens
- First West Coast steel shipyard
- 1890s – Ships for Spanish American War
- 1905 – Bethlehem Steel
- 1915–18 – WWI
- 1936–45 – WWII
- Oldest W. Coast yard still operating.



# Highlights

- One of nation's leading shipyards
- Oldest continuously operating ship repair yard in US
- Played significant role in WWI & WW2
- Technological pioneer in late 19<sup>th</sup> century
- Embodies major trends in American Steel shipbuilding from 1884-1945
- National level of significance

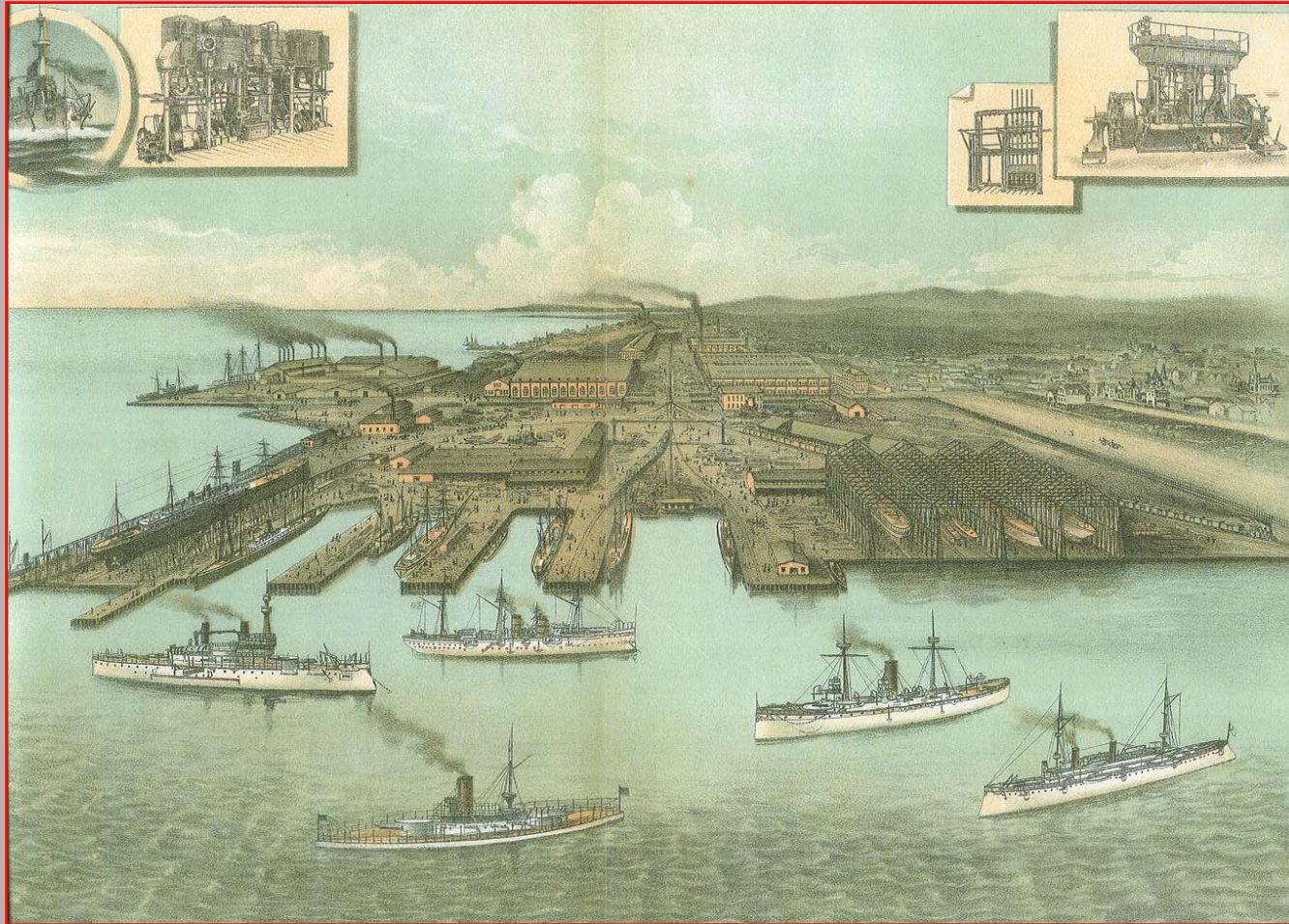


# San Francisco 1878

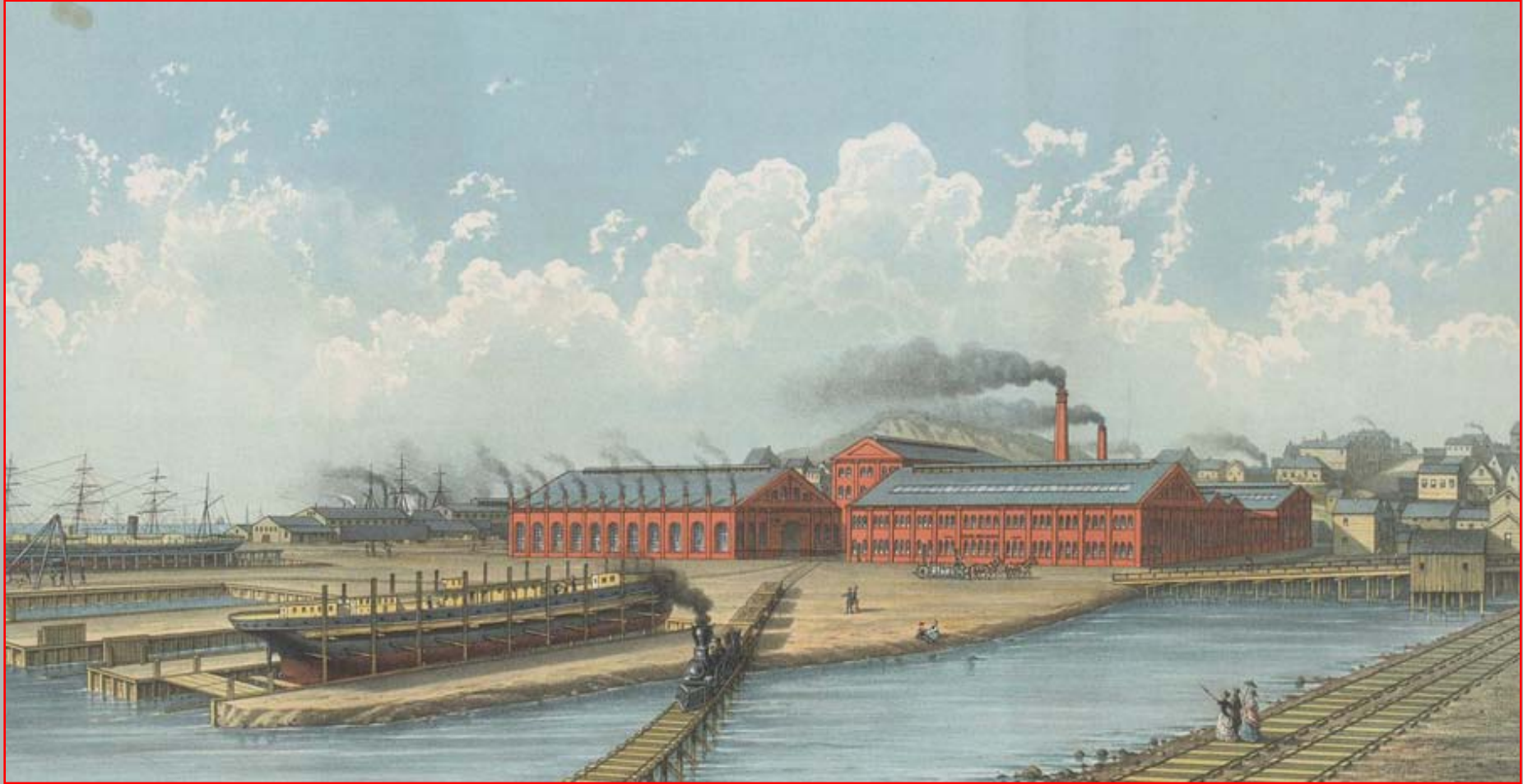




# 1884 – New Shipyard Opens

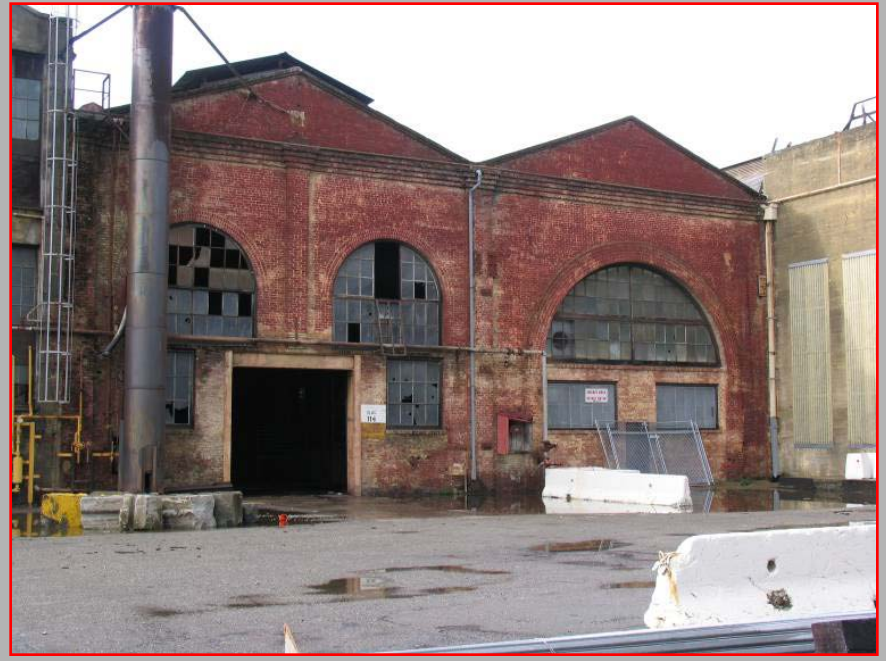


# Pier 70 1880s





# Building 113/114





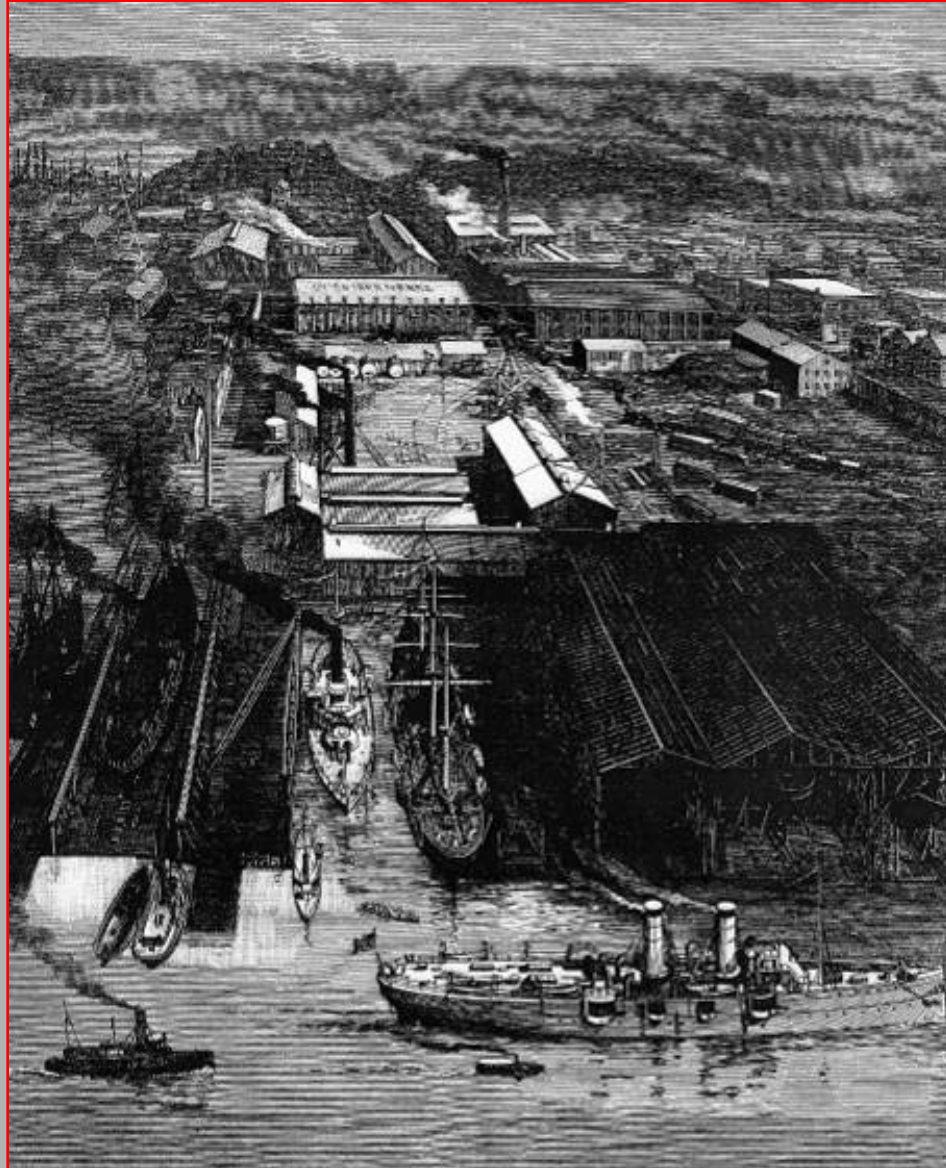




# San Francisco 1892



# UIW 1892



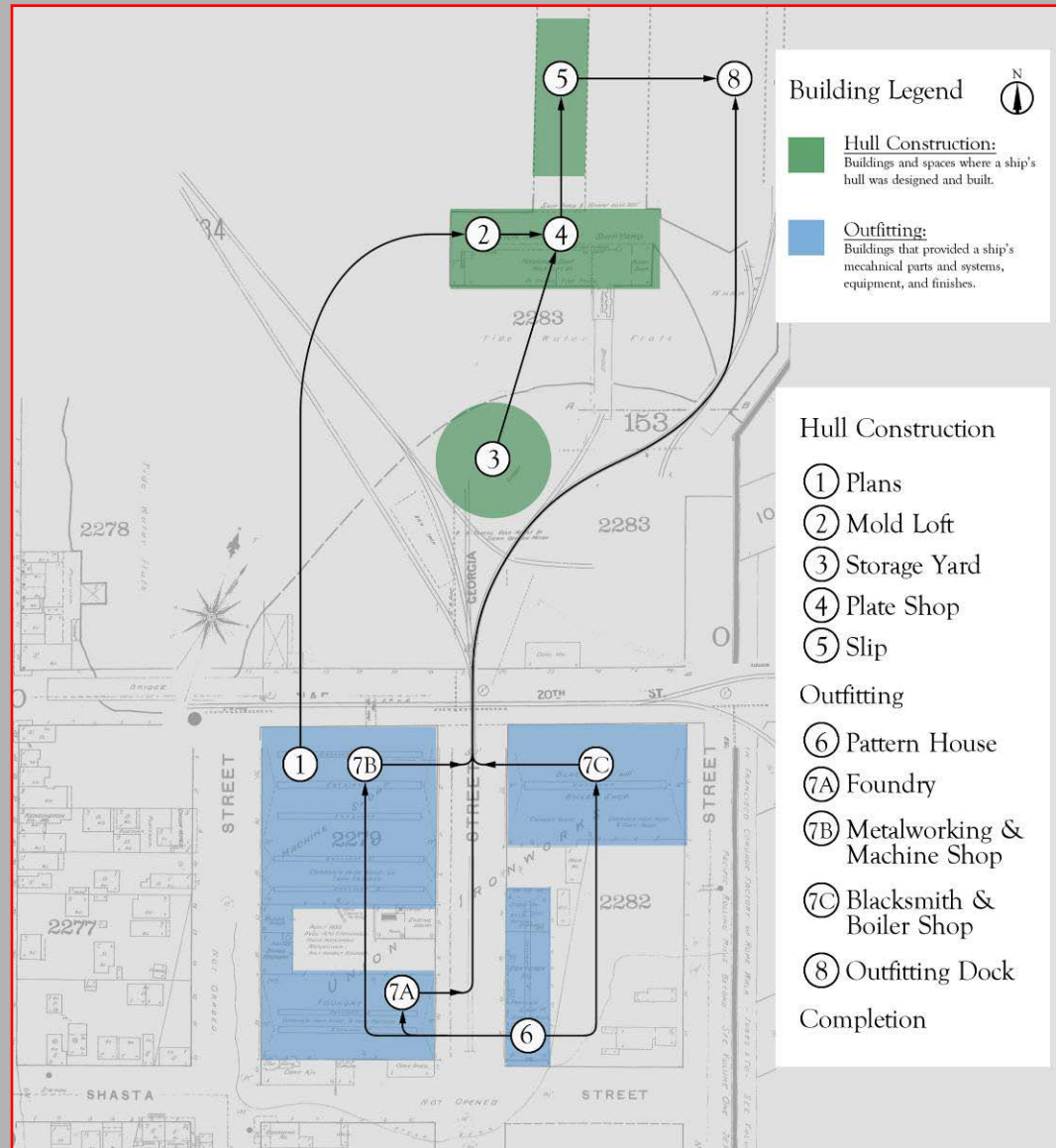


# Building 104





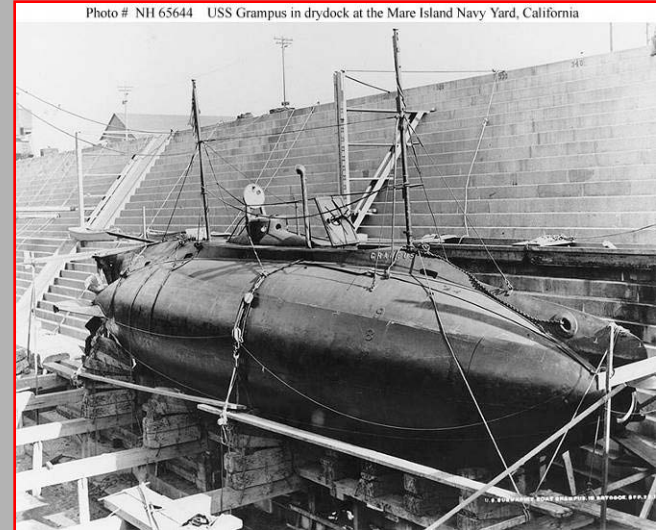
# Shipbuilding 1880s



# Ships



U.S.S. Oregon



U.S.S. Grampus



U.S.S. Olympia



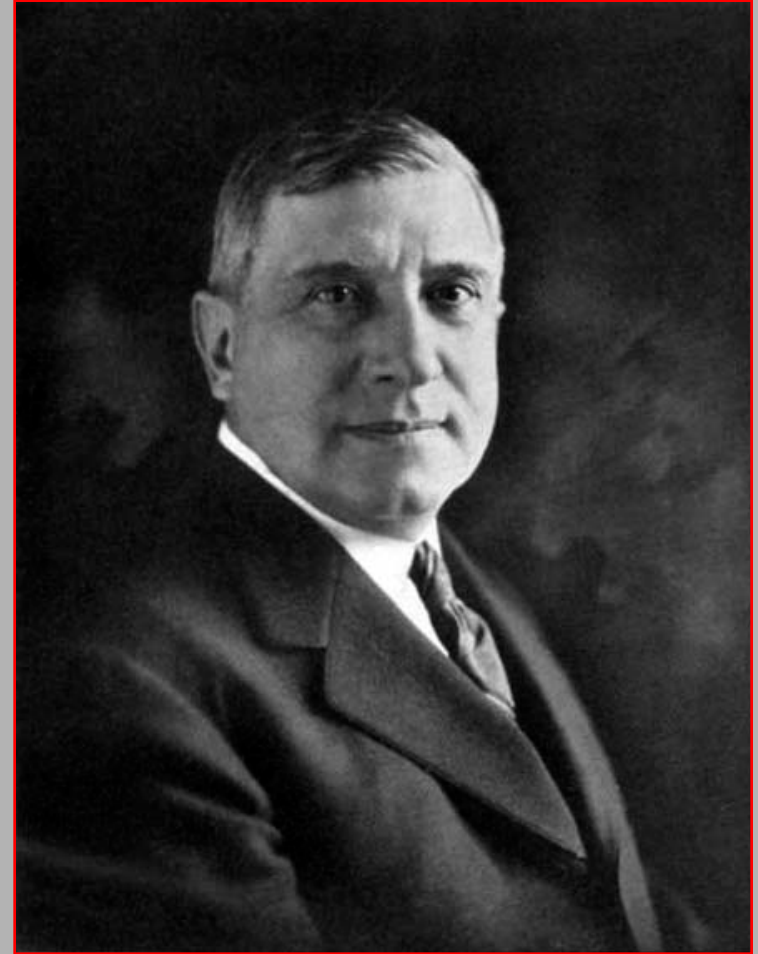
U.S.S. Pike

# 1900–1914

- 1902 – UIW acquired by United Shipbuilding Co.
- 1905 – Bethlehem Steel under Charles Schwab purchases UIW
- Began improvements
- 1911 – Bethlehem acquires Risdon Iron Works

# Charles Schwab

- Began as stake driver for Andrew Carnegie.
- Became president of Carnegie's steelworks in 1897.
- In 1901, helped negotiate sale of Carnegie Steel
- became the first president of the US Steel Corporation
- 1903 – left USSC to run the Bethlehem Steel Corporation
- became the largest independent steel producer in the world.



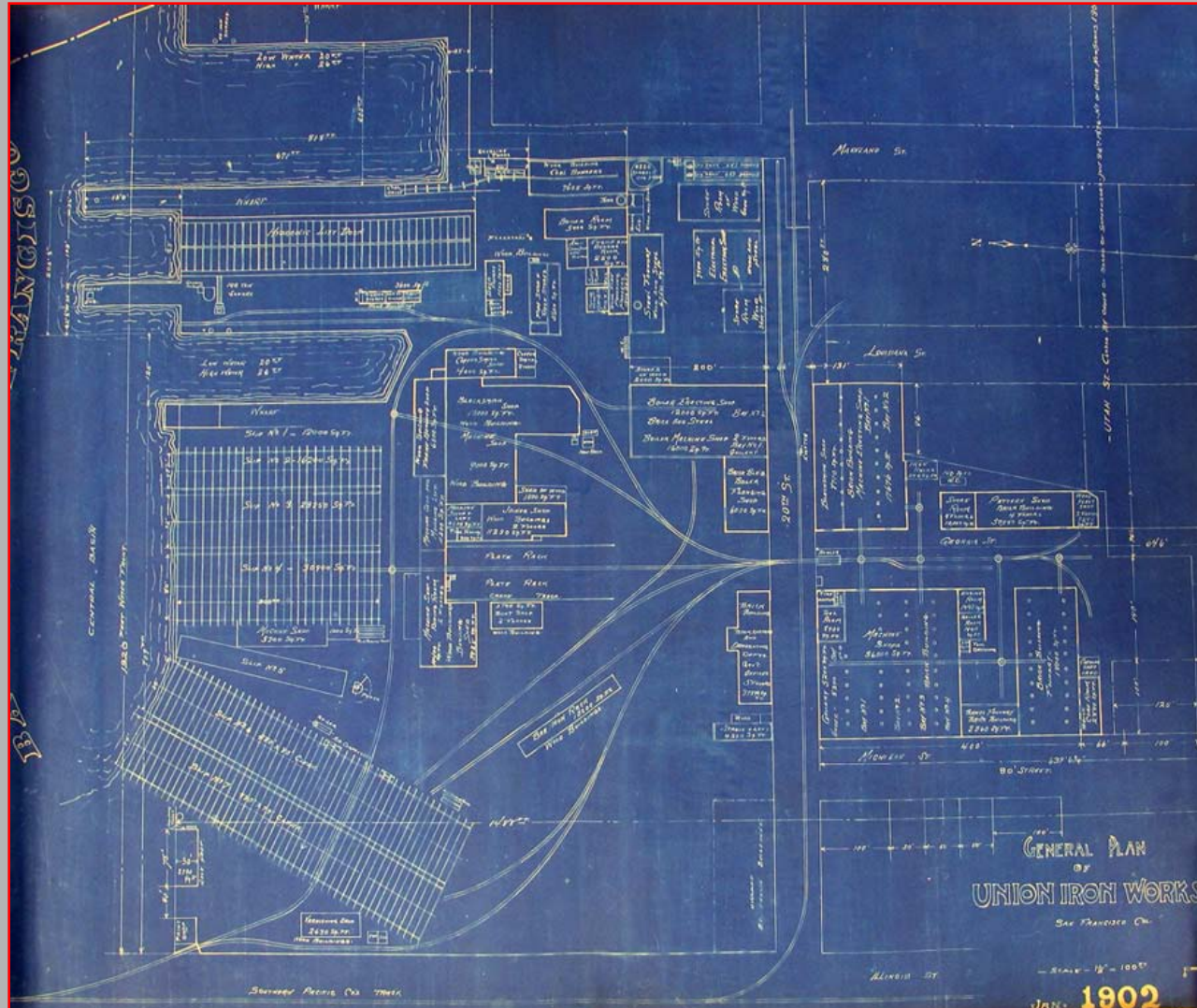


# Building 21





# 1902 – General Plan



# Architecture 1900–1918

- Electricity influences layout – allowed expansion
- Reinforced concrete introduced
- Prominent architect–designed buildings –  
Beaux Arts styling, corporate image
- Utilitarian buildings stylistically varied



# Building 102-Powerhouse- (1012)





# Charles Peter Weeks





# Building 109





# World War I



# World War I





# Building 101





# Frederick Herman Meyer



# Building 111





# Building 115/116





# AEG Turbine Factory, 1910





# Pier 70 World War II



CAREY & CO. INC.  
ARCHITECTURE



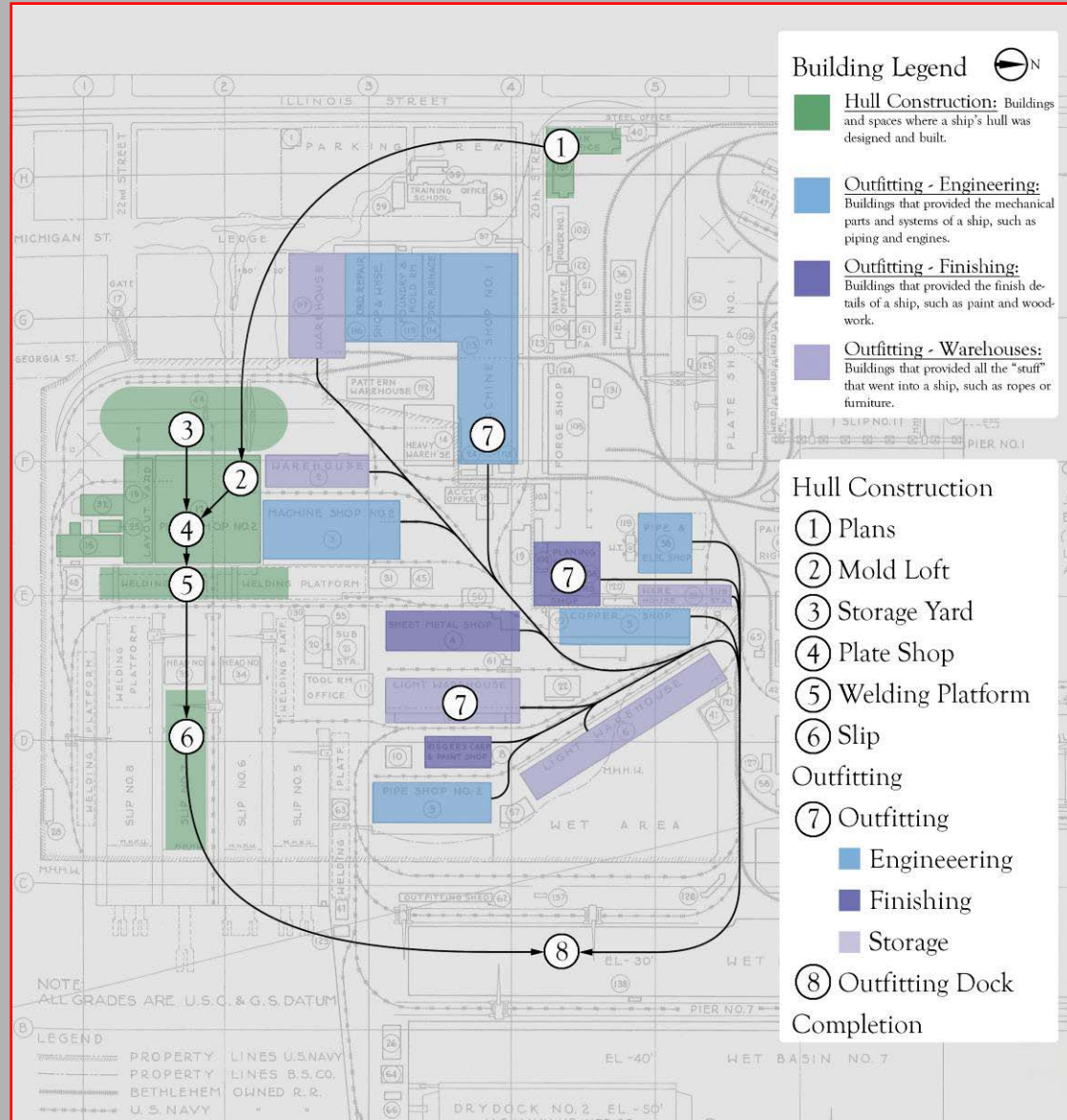
# Building 12



CAREY & CO. INC.  
ARCHITECTURE



# Shipbuilding WWII



# Building 16 Furnace





# Building 6





# Building 105





# Worker Amenities



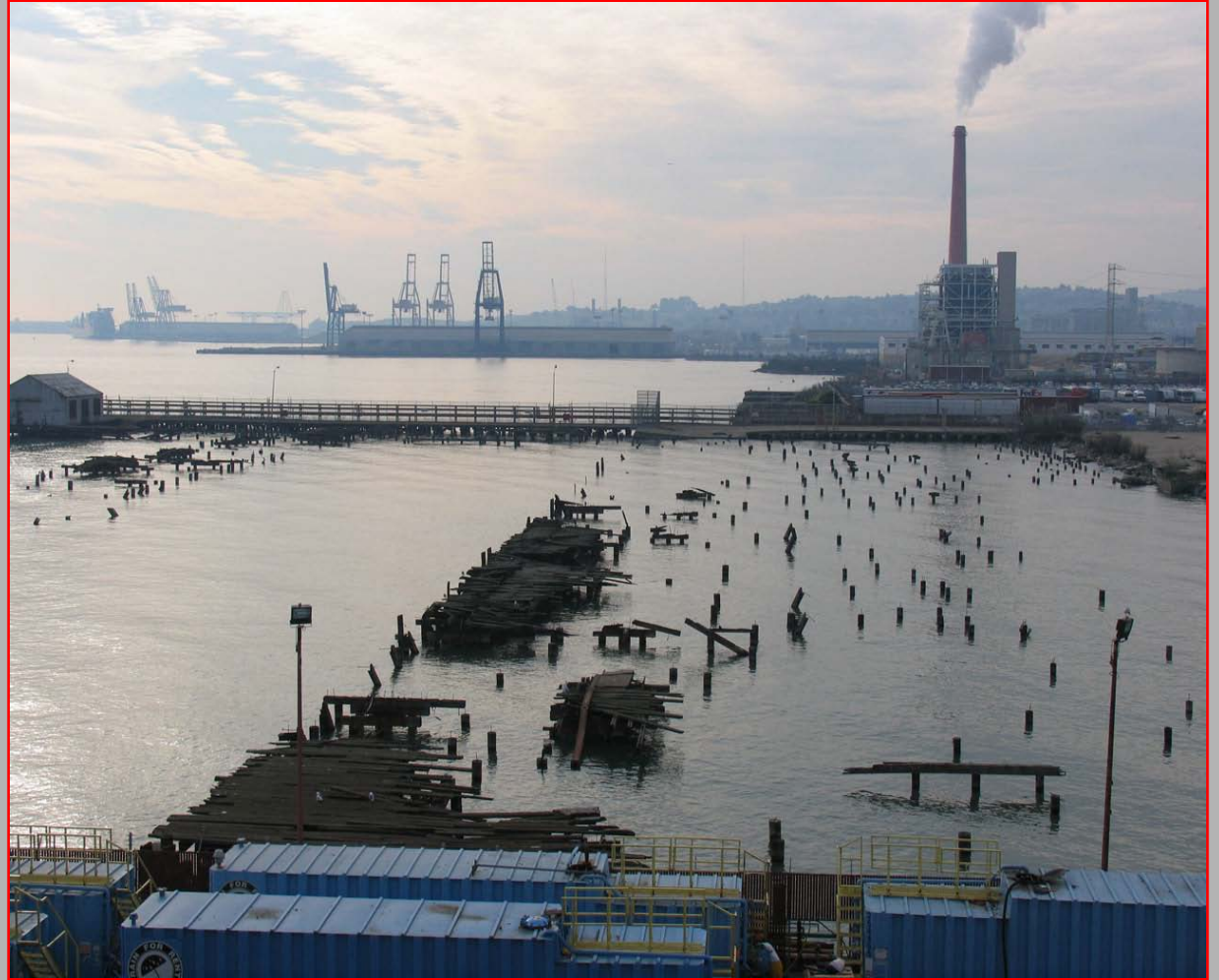


# Structures & Objects





# Waterfront





# Dry Docks





# Cranes



# Drafts & Review

- Port of SF
- Community Groups
- Developers
- SF Planning Dept.
- SHPO





# Controversies

- Minor WW2 buildings (in, mostly)
- Slips (out, except #4)
- Paving and rails (out)
- Irish Hill (in)
- Boundaries – include or exclude water features? (include)



Figure 18. Boundary Map for the Union Iron Works Historic District, see Section 10 for Boundary Description and Justification. Background image Google Maps, 2008.

# Approved!

- April 17, 2014
- 2006–2014!
- 176 pages + photos
- 44 contributing resources
- 10 non-contributing
- Informed master plan & design guidelines
- Basis for tax credits

STATE OF CALIFORNIA - THE NATURAL RESOURCES AGENCY

EDMUND G. BROWN, JR., Governor

OFFICE OF HISTORIC PRESERVATION  
DEPARTMENT OF PARKS AND RECREATION

P.O. BOX 942896  
SACRAMENTO, CA 94296-0001  
(916) 445-7000 Fax: (916) 445-7053  
calshpo@parks.ca.gov



April 25, 2014

Mark Paez  
Historic Preservation Coordinator  
Planning and Development Division  
Pier One  
San Francisco, California 94111

RE: Union Iron Works Historic District Listing on the  
National Register of Historic Places

Dear Mr. Paez:

I am pleased to notify you that on April 17, 2014, the above-named property was placed on the National Register of Historic Places (National Register). As a result of being placed on the National Register, this property has also been listed in the California Register of Historical Resources, pursuant to Section 4851(a)(2) of the Public Resources Code.

Placement on the National Register affords a property the honor of inclusion in the nation's official list of cultural resources worthy of preservation and provides a degree of protection from adverse effects resulting from federally funded or licensed projects. Registration provides a number of incentives for preservation of historic properties, including special building codes to facilitate the restoration of historic structures, and certain tax advantages.

There are no restrictions placed upon a private property owner with regard to normal use, maintenance, or sale of a property listed in the National Register. However, a project that may cause substantial adverse changes in the significance of a registered property may require compliance with local ordinances or the California Environmental Quality Act. In addition, registered properties damaged due to a natural disaster may be subject to the provisions of Section 5028 of the Public Resources Code regarding demolition or significant alterations, if imminent threat to life safety does not exist.

If you have any questions or require further information, please contact the Registration Unit at (916) 445-7008.

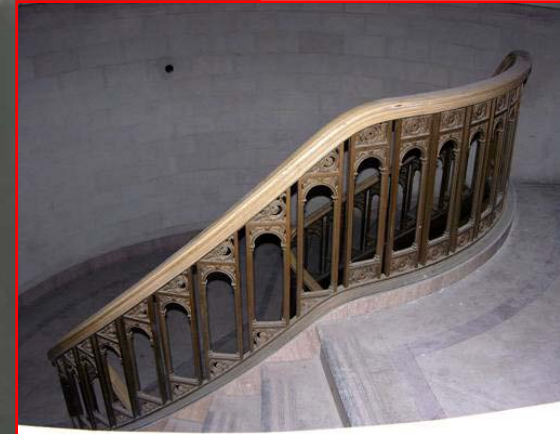
Sincerely,

Carol Roland-Nawi  
State Historic Preservation Officer

Enclosure: National Register Notification of Listing



# Pier 70 Today



# The End

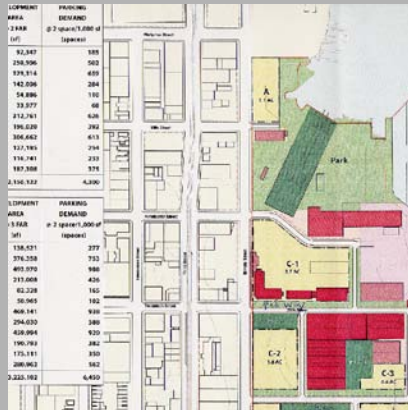




# Pier 70 Design Guidelines



# Pier 70 Master Plan

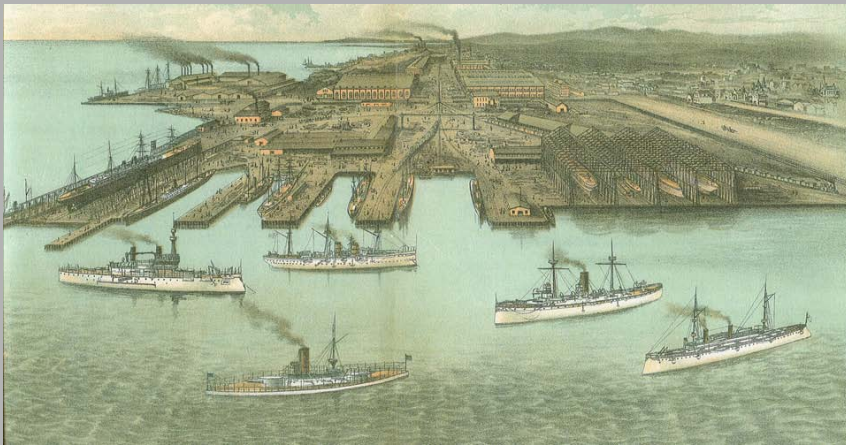


- Protect historic resources
- Retain industrial feel
- Retain BAE Ship repair
- Appropriate uses
- Economic viability
- Use incentives
- Public workshops





# Grew out of Nomination



- Character–  
defining features
- Survey ratings
- Significance  
diagrams
- Understanding of  
historical context

# Levels of Significance

Pier 70 Resources

Building Number	Name/Function	Address	Date Built	Association	Architect/Engineer	Construction Type	Overall Condition	Curry & Co Rating	2001 Coastal Wakefront Survey	Soil Condition	Port/Harbor Resources Database (ARG 1996)	SP Resource Category	Port of SP Rapid Eval
7	Warehouse		1941/44	WWII		concrete	fair	C	3D		Potential historic contributor	A	N/R
6	Light Warehouse		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	RED
11	The Noonan Building (Tool Room and Office)		1941	WWII		wood frame	fair to good	C	3D		Potential historic contributor	A	GREEN
12	Plate Shop No. 2		1941	WWII		steel frame/wood floor	fair	S	3D		Potential historic contributor	A	GREEN
14	Heavy Warehouse		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	N/R
15	Layout Yard		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	GREEN
16	Snow Relieving Building		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	N/R
19	Cargo No. 1		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	GREEN
21	Electric Shop/Substation No. 5		1900	Railroad		steel	fair to poor	S	3D		Potential historic contributor	A	GREEN
24	Warehouse and Locker Room		1941	WWII		concrete	fair	C	3D		Potential historic contributor	A	N/R
25	Warehouse and Locker Room		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	N/R
29	Warehouse and Locker Room (Demolished)		1941	WWII		steel	Demolished	NC	4C6		Potential historic contributor	A	N/R
30	Temple Warehouse		1941	WWII		steel/wood frame	fair	C	4C6		Potential historic contributor	A	N/R
32	Temple Warehouse		1941	WWII		steel frame	fair	C	3D		Potential historic contributor	A	N/R
36	Welding Shop		1941	WWII		steel frame	good	C	3D	1D	Potential historic contributor	A	GREEN
38	Boiler Shop		1915/41	Bethlehem Steel		concrete	poor	C	3D	1D	Potential historic contributor	A	GREEN/YELLOW
40	Bethlehem Steel Employment Office		1941	WWII		concrete	poor	C	3D	3D	Potential historic contributor	A	N/R
41	Fire Station		1941	WWII		steel	poor	NC			Potential historic contributor	N/A	N/R
46	Boiler - (Demolished)		c. 1940	WWII		steel frame	Demolished	NC			Potential historic contributor	N/A	N/R
49	Gasolizing Shop		c. 1940	WWII		steel frame	fair	C	4C6		Potential historic contributor	A	GREEN
50	Demolished					steel frame	Demolished	NC	3D		Potential historic contributor	A	N/R
58	Pier 68 Substation #4		1941	WWII		steel/concrete	fair to good	C			Potential historic contributor	N/A	N/R
64	Substation #6		1946	WWII		steel frame	fair	C	4D5.7		Potential historic contributor	A	N/R
66	Bethlehem Welding Platform		c. 1945	WWII		steel frame	fair to poor	C	4C6		Potential historic contributor	A	N/R
66	Pier 68 Substation #7/On Dock office		Post 1945			brick	good	NC			Potential historic contributor	N/A	GREEN
101	Bethlehem Steel Administration Bldg 545 20th St.		1917	Bethlehem Steel	F.H. Meyer	concrete	fair	VS	3D	3D	Potential historic contributor	A	YELLOW
102	Bureau No. 1	430 20th St.	1912	Bethlehem Steel	Charles P. Worke	concrete	good	VS	3D	3D	Potential historic contributor	A	GREEN
103	Steam Powerhouse No. 2		1937	Bethlehem Steel		brick/steel	good	S	3D		Potential historic contributor	A	GREEN
104	Office Building	430 20th St.	1896	Union Iron Works	Percy & Hamilton	brick masonry	poor	VS	3D	3D	Potential historic contributor	A	N/R
105	Forge Shop		c. 1890/1937	Bethlehem Steel		steel frame	good	S	3D	3D	Potential historic contributor	A	GREEN/YELLOW
107	Union Iron Works West Lumber Shed		1937	WWII		steel frame	good	NC	4C6		Potential historic contributor	A	GREEN
108	Planing Mill and Joinery Shop		1911/13	Bethlehem Steel		steel/wood	fair to good	C	3D	3D	Potential historic contributor	A	GREEN
109	Plate Shop No. 1		1911/36	Bethlehem Steel		steel/wood	fair	S	3D		Potential historic contributor	A	GREEN
110	Yard Warehouse/Locker Room		1936	Bethlehem Steel		brick/steel	fair	C	3D	3D	Potential historic contributor	A	N/R
111	Main Office Warehouse and Substation No. 3		1917	Bethlehem Steel		brick masonry	fair	S	3D	3D	Potential historic contributor	A	N/R
113	Machine Shop No. 1		1896/1914	Union Iron Works	Dr. D. E. Mellin	brick masonry	fair to poor	VS	3D	3D	Potential historic contributor	A	N/R
114	Machine Shop Storage		1896/1914	Union Iron Works	Dr. D. E. Mellin	brick masonry	fair to poor	VS	3D	3D	Potential historic contributor	A	N/R
115	Concrete Warehouse		1917	Bethlehem Steel		concrete	fair to good	VS	3D	3D	Potential historic contributor	A	YELLOW
116	Concrete Warehouse		1917	Bethlehem Steel		concrete	fair to good	VS	3D	3D	Potential historic contributor	A	YELLOW
117	Warehouse No. 9		1941	Bethlehem Steel		steel frame	good	C	3D	3D	Potential historic contributor	A	GREEN
119	Yard Warehouse		1936	Bethlehem Steel		brick/steel	fair	C	3D	3D	Potential historic contributor	A	RED
120	North Lumber Shed		1936/1942	WWII		steel frame	good	C	3D		Potential historic contributor	A	GREEN
121	Dry Dock Office		1941	WWII		wood frame	good	C	3D		Potential historic contributor	A	GREEN
122	Union Iron Works metal Gatehouse		1936/1941	Bethlehem Steel		concrete	fair	C	3D		Potential historic contributor	A	N/R
123	Checkhouse No. 2		1916	Bethlehem Steel		concrete	good	C/S	3D	3D	Potential historic contributor	A	N/R
141	Pier 68 Breakroom/Warehouse/Restroom		Post 1945			corrugated metal	good	NC			Potential historic contributor	N/A	GREEN
127	Pier 68 Production Offices		c. 1940	WWII			good	NC			Potential historic contributor	N/A	GREEN
	Garage Caves		1940s	WWII				C			Potential historic contributor	N/A	N/R
	Safety Display Board (definitely no 111)		1940s	WWII				C			Potential historic contributor	N/A	N/R
	Union Iron Works Fence (W side of 40)		c. 1917	Bethlehem Steel				C			Potential historic contributor	N/A	N/R
	Wharf 1		1896/1915			rein		NC/Setting			Potential historic contributor	N/A	N/R
	Wharf 3		1896/1918/1967			rein		NC/Setting			Potential historic contributor	N/A	GREEN
	Wharf 4		1957			rein		NC/Setting			Potential historic contributor	N/A	GREEN
	Wharf 5		1945/1980			rein		NC			Potential historic contributor	N/A	RED
	Drydock No. 1		1941			poor		NC/Setting			Potential historic contributor	N/A	N/R
	Drydock No. 2		1920			good		NC/Setting			Potential historic contributor	N/A	N/R
	Drydock Eureka		c. 1940s, moved to site c. 1993			good		NC/Setting			Potential historic contributor	N/A	N/R
	Site 1		1896/1915/1946			refilled		C			Potential historic contributor	N/A	N/R
	Site 2		1900/1915			refilled		C			Potential historic contributor	N/A	N/R
	Site 3		1900/1915			refilled		C			Potential historic contributor	N/A	N/R
	Site #4 & Caves		1941	WWII		fair to poor		S	4C6		Potential historic contributor	A	N/R
	Site 5-8 (filled and moved south)		1941			refilled		C			Potential historic contributor	N/A	N/R
	Wet Basin 1		1918					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 2		1896					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 3		1941					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 4		1942					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 5		1942					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 6		1942					NC/Setting			Potential historic contributor	N/A	N/R
	Wet Basin 7		1946					NC/Setting			Potential historic contributor	N/A	N/R
	Wharf 6		1941			rein		NC/Setting			Potential historic contributor	N/A	N/R
	Wharf 7		1942			rein		NC/Setting			Potential historic contributor	N/A	N/R
	Irish Hill Restaurant		1890s					S			Potential historic contributor	N/A	N/R
	20th Street Parking							C			Potential historic contributor	N/A	N/R
	Rail Lines		Various					C			Potential historic contributor	N/A	N/R



# Significance Diagram

## Historic Resource Evaluation Pier 70

### Level of Historic Significance

- Very Significant
- Significant
- Contributing
- Non-contributing
- Not yet evaluated
- Preliminary Historic District Boundary



Pier 70 Master Plan  
2.07.2008



CAREY & CO. INC.  
ARCHITECTURE

# Character Defining Features

## – Site



- Shoreline
- Minimal plantings
- Asphalt/gravel open areas
- Streets w/out curbs
- Defined groupings
- Features such as cranes
- Yard layout & plan



# Character Defining Features – Buildings



- Variety of materials  
Brick, sheet metal, wood, concrete
- Variety of windows  
steel sash, wood
- Various roof types  
monitors common
- Variation in height  
(up to 80')
- & footprint  
(up to 100,000 sq.ft)

# Secretary's Standards

- Property = District
- Compatible Use(s)
- Maintain character
- No false historicism
- Repair rather than replace
- New features compatible, different
- Maintain form & integrity





# Contemporary/Compatible Examples



Weldon Brewster



