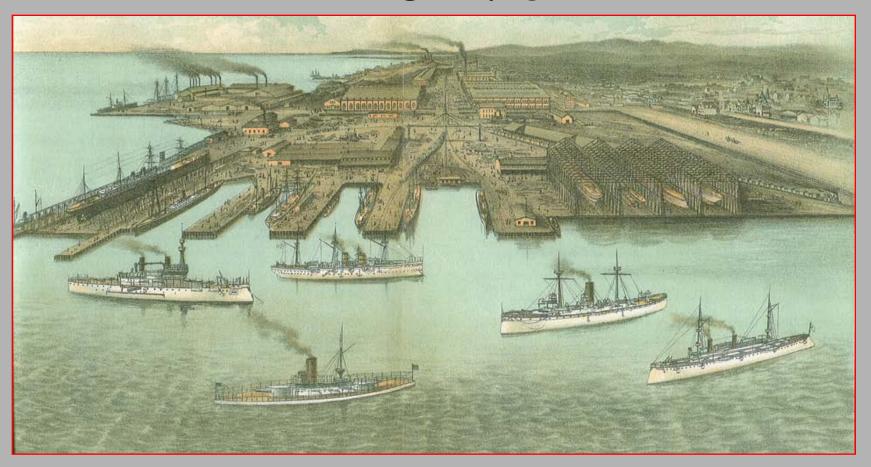
#### Pier 70



## 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:	
Ext	ERIOR
NUMBER OF STORIES: 1 2 3 4 5 6	
VERTICAL DIVISIONS (BAYS):	
BUILDING TYPE: BRICK MASONRY CONCRETE MI	ETAL WOOD SHED (NO FOUNDATION) OTHER:
PLAN TYPE: SQUARE RECTANGULAR U-SHAPED	L-SHAPED COMPLEX OTHER:
EXTERIOR CLADDING: WOOD (HORIZ/VERT) STUCK	O CORRUGATED METAL BRICK CONCRETE OTHER:
ROOF TYPE: GABLE HIPPED FLAT SHED SAWT	OOTH GABLED MONITOR OTHER:
ROOF CLADDING: WOOD SHINGLE ASPHALT SHING	LE TILE GRAVEL CORRUGATEDMETAL OTHER:
PRIMARY WINDOW TYPE – MATERIAL: WOOD STEE OPERATION: STEEL SASH: FIXED AWNING HOPPER DOUBLE-HUNG (OVER) SLIDER OTHER:	
Number:	
DOORS: ROLLING METAL STEEL (PERSONNEL) WO	OOD OTHER:
NUMBER:	
NOTABLE FEATURES/ORNAMENTAL DETAILS:	
ALTERATIONS/ADDITIONS:	
OVERALL CONDITION:	

## Organizing the Survey

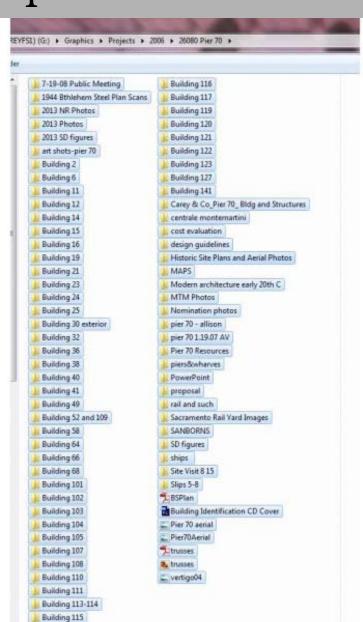
- Supplemented other info
- Used for preparing descriptions
- Completed forms
   kept in Binder
   with hist.
   drawings & any
   DPRs
- Big help in

Pier 70 Survey Carey & Co. Inc.	Historic Resources S Date:	Survey Form 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 ACOUSTICALTILES EXI NOTE CONDITION:	POSED STEEL STRUCTURE	OTHER:
SKETCH FLOOR PLAN (SHOWING ALTERATIONS):		

### Organizing the photos

- Took100s of photos
- Photos organized by building
- Interior & exterior sub folders
- Other specialized folders





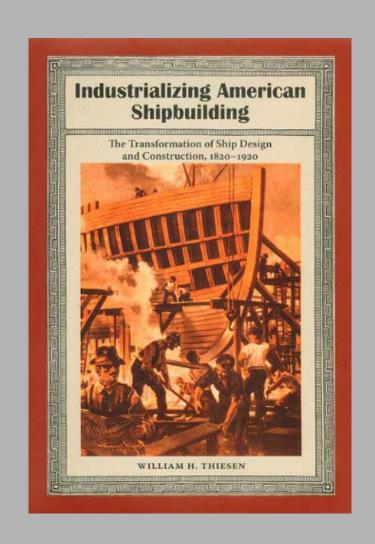
# Organizing Data

#### Pier 70 Resources

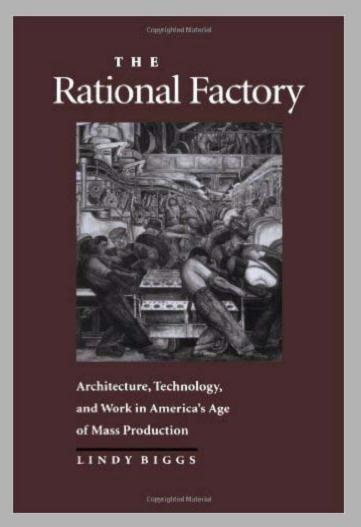
		_							Z001 Central	Southern.	Port Historic Resources Data base	SF Resource		t of SF
Number	Name/Function Add		te Buik	Association	Architect/Engineer	Construction Type	Overall Condition	Carey & Co Ratin		Waterfront	(ARG 1996)	Category		id Eval
2	Watehouse		941/44	WW11		concrete	fair	<u>C</u>	3D	3D	Potential district contributor	A		N/R
6	Light Watehouse		1941	WW11		steel frame	fair	C	3D	3D	Potential district contributor	A		RED
11	The Noonan Building (Tool Room and Off		1941	WWII		wood frame	fair to good	C	3D	3D	Potential district contributor	A		REEN
12	Plate Shop No. 2		1941	WW11		steel frame/wood floot	fair	S	3D	3D	Potential district contributor	A		REEN
14	Heavy Warehouse		1941	WW11		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	GP	REEN
16	Stress Relieving Building		1941	WWII		steel frame	fair	C	3D		Potential district contributor	A	N	N/R
19	Catage No. 1		1941	WW11		s teel/conc tete	fair	C	3D	3D	Potential district contributor	A	GF	REEN
21	Electric Shop/Substation No. 5		1900	Risdonlton		steel	fair to poor	S	3B	3D	Potential district contributor	A		REEN
24	Washtoom and Locket Room		1941	WW11		concrete		C					, N	N/R
25	Washroom and Locket Room		1941	wwn		steel frame	fair	Č	3D		Potential district contributor	A		N/R
29	Washtoom and Locket Room (Demolished)		1941	wwn		steel	Demolished	NC NC	4D5		POTE III III III III III III III III III I	Ä		N/R
30			1941	WWII				C	4D5		D I I			N/R
32	Template Watehouse		1941	wwn wwn		steel/wood frame	fair fair		4L0 3D		Potential district contributor	A	N	N/R
	Template Watehouse					steel frame					Potential district contributor	A		
36	Welding Shop		1941	WW11		steel frame	good	C	3D	3D		A		REEN
38	Boiler Shop		915/41	Bethlehem Steel		concte te	poot	C	3D	3D	Potential district contributor	A	GREEN	
40	Bethlehem Steel Employment Office		1941	WW11		concrete	poot	C	3D	3D	Potential district contributor	A		N/R
41	Fite Station		1941	WW11		steel	poot	NC					N	N/R
48	Boiler - (Demolished)		. 1940	WW11			Demolished	NC			Potential district contributor	N/A	N	N/R
49	Calvanizing Shop		. 1940	WWII		steel frame	fair	C	4D5	<u>.</u>	Potential district contributor	A	GF	REEN
!: 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	u urgutu	i c	4D5-7			A A		N/R
				wwn wwn	·						D			
66 68	Bethlehem Welding Platform		. 1945 st 1945	wwn		steel frame	fair to poor	C NC	4D5		Potential district contributor	A N/A	N	N/R REEN
	Pier 68 Substation #7/Dry Dock office					brick	good							
101	Bethlehem Steel Administration Build 548		1917	Bethlehem Steel		concrete	fair	VS	3B	3B	Potential indi. & dist. contributor	A		LLOW
102		20thSt.	1912	Bethlehem Steel	Charles P. Weeks	concrete	good	VS	3B	3B	Potential indi. & dist. contributor	A		REEN
103	Steam Powerhouse No. 2		1937	Bethlehem Steel		brick/steel	good	S	3D	3D	Potential distric t contributor	A		REEN
104		20th St.	1896	Union Iton Wor	k Percy & Hamilton	brick masonty	poot	VS	3B	3B	Potential indi. & dist. contributor	A	N	N/R
105	Forge Shop	c.1	390/1937	Bethlehem Steel		steel frame	good	S	3D	3D	Potential indi. & dist. contributor	A	GREEN	N/YELLO
107	Union Iton Works West Lumber Shed		1937	WW11		steel frame		NC	4D5		Potential district contributor	A	GF	REEN
108	Planing Mill and Joinery Shop		911/13	Bethlehem Steel		steel/wood?	fair to good	С	3D	3D	Potential district contributor	A		REEN
109	Plate Shop No. 1		912/36	Bethlehem Steel		steel/wood!	fair	Š	3D	3D	Potential district contributor	Ä		REEN
110	Yard Washroom/Locker Room		1936	Bethlehem Steel		brick/steel		Č	3D	3D	Potential district contributor	Ä		N/R
111							·· .	S						
	Main Office, Wate house and Substation No		1917	Bethlehem Steel		brick masonry	fair	vs	3D	3D	Potential district contributor	A		/R - !
113	Machine Shop No. 1		96/1914		k Dr. D. E. Melliss	brick masonry	fair to poor		3B	3B	Potential indi. & dist. contributor	A		/R - !
114	Machine Shop Stotage		95/1914		k: Dr. D. E. Melliss	brick masonry	fair to poor	VS	3B	3B	Potential indi. & dist. contributor	A		/R - !
115	Concrete Watehouse		1917	Bethlehem Steel		concte te	fair to good	VS	3D	3D	Potential district contributor	Α	YEL	LLOW
116	Concrete Watehouse		1917	Bethlehem Steel		concrete	fair to good	VS	3D	3D	Potential district contributor	A		LLOW
117	Watehouse No. 9		1941	Bethlehem Steel		steel frame	good	C	3D	3D	Potential district contributor	A	GF	REEN
119	Yard Washroom		1936	Bethlehem Steel		brick/steel	fair	C	3D	3D	Potential district contributor	A	B	RED
120	North Lumber Shed	19	36/1942	WW11		steel frame	good	C	3D		Potential district contributor	A	GF	REEN
121	Dry Dock Office		1941	WWII	***************************************	wood frame	good	C	3D			A		REEN
122	Union Iron Works moved Gatehouse	19	16/1941	Bethlehem Steel		concrete	fait	Č	3D		Potential district contributor	A		N/R
123	Checkhouse No. 2		1916	Bethlehem Steel		concrete	good	C/S	3D	3D	Potential district contributor	A		N/R
141			st 1945	Detruction Steel				NC			Pole in an district continuit d			REEN
	Pier 68 Breakroom/Was hroom/Restroom			WWII		correspited metal	good				D	N/A		
127	Piet 68 Ptoduction Offices		. 1940				good	NC			Potential district contributor	N/A		REEN
	Gantry Ctaties		1940s	WW11				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)		. 1917	Bethlehem Steel				C			Potential district contributor	N/A		N/R
	Whatf 1		96/1915				ruin	NC/Setting				N/A		N/R
	Whatf 3	1886	1918/1967				tebuilt	NC/Setting				N/A		REEN
	Wharf 4		1957	T	Ĭ		rebuilt	NC/Setting	i	Ě		N/A		REEN
	Wharf 8		45/1980		1		rebuilt	NC						RED
	Drydock No. 1		1943			*	poor	NC/Setting			*			N/R
	Drydock No. 2		1970			·		NC/Setting						N/R
	Drydock Futeka		red to site c. Is	103		÷	good good	NC/Setting			<b>†</b>			N/R
				·										
	Slip I		1915/1946				infilled	C						N/R
	Slip 2		00/1915				infilled	<u>C</u>						N/R
	Slip 3		00/1915				infilled	C			<u></u>			N/R
	Slip ≠4 & Cranes		1941	WW11			fair to poor	S	4D2		Potential district contributor	A		N/R
	Slips 5-8 (filled and paved over)		1941				infilled	C					N	N/R
	Wet Basin I		1918					NC/Setting					N	N/R
	Wet Basin 2		1886	i	i			NC/Setting	:	<u> </u>			N	N/R
	Wet Basin 3		1941	***************************************	:			NC/Setting		:				N/R
	Wet Basin 4		1942					NC/Setting			†			N/R
	Wet Basin 5		1942					NC/Setting			<u> </u>			N/R
			1942 1942			- <del> </del>	<del>-</del>				<b></b>			N/R N/R
	Wet Basin 6							NC/Setting						
	Wet Basin 7		1945					NC/Setting		<u> </u>				N/R
	Whatf 6		1941				tuin	NC/Setting						N/R
	Wharf 7		1942				tuits	NC/Setting					N	N/R
	Irish Hill Remnant					T.	Ĭ	S						N/R
	20th Street Paving		1890s			***************************************		Ċ						N/R
													N	

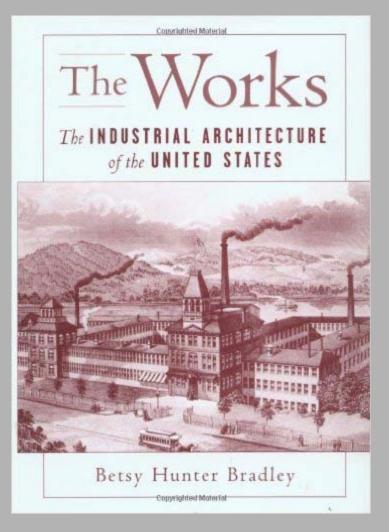
#### Research on a budget

- 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

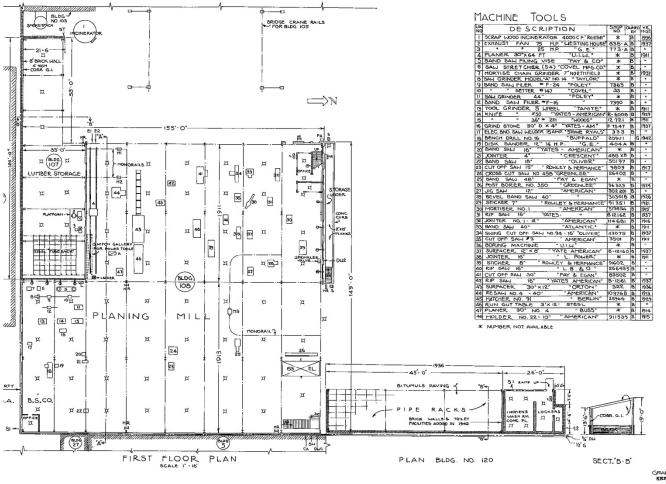
Sanborn maps/Port

dravina









GENERAL DATA

OTHERHE	DAIA		_		_	_			
BUILDING NUM	BER.	(150)		(10	7)	(108)			
" OMN	ED BY	B. 5.	co.	B. 5 (	. i	B. S. C	ó.		
* EREC	TEO	1936	-1942	1937		1911; 1	913		
. LENG	HTH	71'-0		124'-0	D"	155'- 0			
WIDT	н	22'-0		33'-0"		149'- C	)*		
+ HEIG	HT	13,-0,		50, - 3,		50' - 0			
, AREA		1515	SQ FT	3575	SQ. FT.	20660	SQ.FT		
IST. FLOOR "		1392	4 "	3461		20423			
2 <sup>ND</sup> II II		NONE		NONE		20423	3 " "		
CUBIC CONTENTS		22,272	CU.FT.	54000	CUFT	776309 CU.FT			
MATERIALS		STL.8	BRICK	STEEL	& BRICK	STEEL & WOOD			
BUILDING CONSTRUCTION		IST CLASS		IN CLASS		2ND CLASS			
FLOORING		CONC	& BITU	BITUM	ULS	MOOD			
ROOFING		CORR.	G.1.	CORR.	G.1.	G 1. &	FELT		
SPRINKLER SYSTEM (WET) IN BUILDING NO. 108 ONLY									

UNDER IST FLOOR 84 HEADS IST FLOOR 268 HDS 2ND FL 325 HDS

S

#### UTILITY SERVICE ENTRANCES

440 V. 3 A.C. E2 120 - 208 V. A C. TELEPHONE DMI 3" DOMESTIC WATER DWS DW3 3/4" HR HOSE REEL

CA 2 COMPRESSED AR

1/2" GAS ST I" STEAM

SW 6" SALT WATER 10" STORM DRAIN TO SEWER. 4' SANITARY DRAIN TO SEWER

#### SYMBOLS ELECTRIC

CEILING OUTLET WALL BRACKET HI 10 CONVENIENCE

ELECTRIC CABINET L LIGHTING

440 A.C.

SCALE

TRANSFORMERS IN POWER HOUSE NO. 1

PLANING MILL, LUMBER STORAGE & JOINERS SHOP FEB. 1945 IST FL. PLAN, GENERAL DATA, MACH. TOOLS & UTILITES BETHLEHEM STEEL COMPANY SHIPBUILDING DIVISION SAN FRANCISCO YARD, CALIF.

BUILDING GEN. PLAN SHEET NO. I

GRAPHIC SCALE IN FEET 0 5 10 15 20 25

#### 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
- **1**883-1945





#### Labor History

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



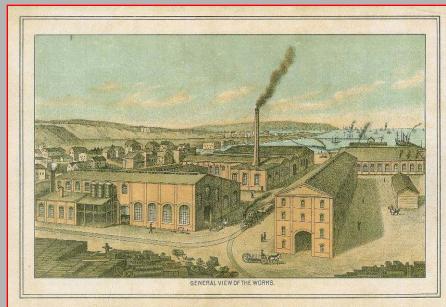


### UIW- Capsule History

- 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 @

### 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

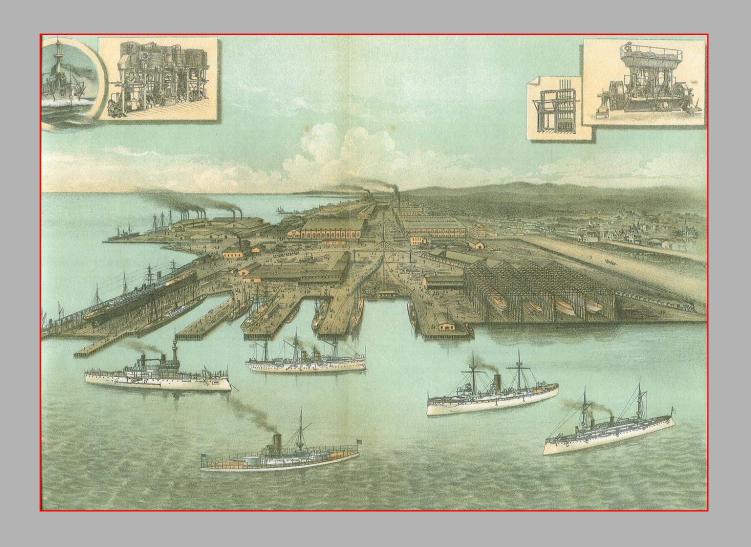
- One of nation's leading shipyards
- Oldest continuously operating ship repair yard in US
- Played significant role in WWI & WW2
- Technological pioneer in late 19<sup>th</sup> century
- Embodies major trends in American Steel shipbuilding from 1884–1945
- National level of significance

## San Francisco 1878

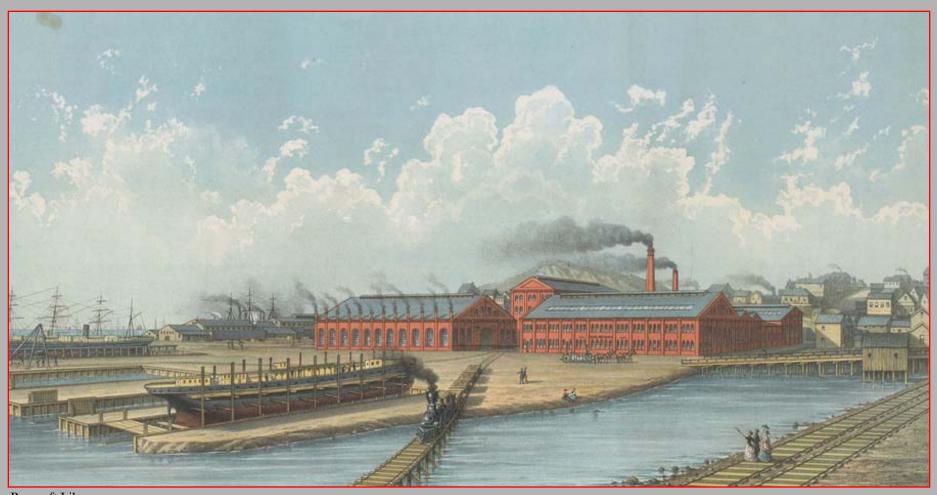


Library of Congress, Geography and Map Division

#### 1884 - New Shipyard Opens



## Pier 70 1880s



Bancroft Library

# **Building 113/114**











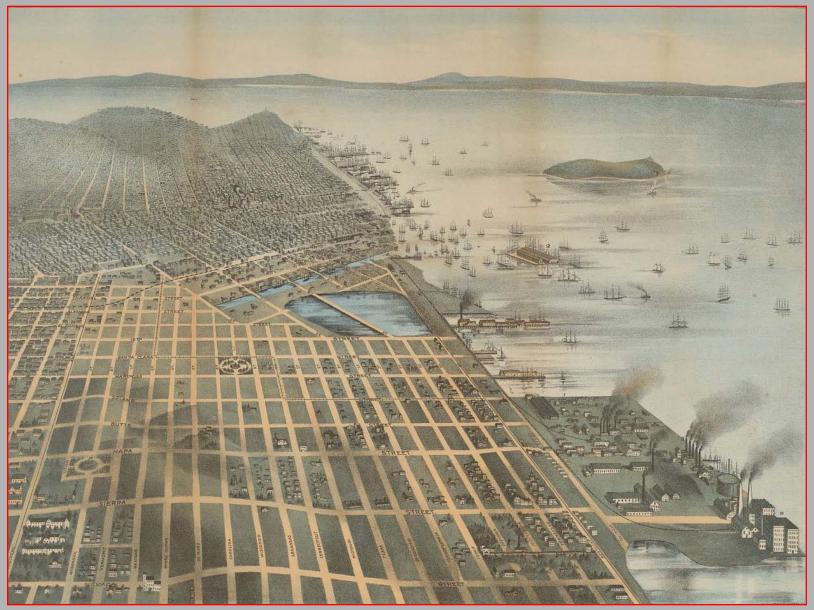






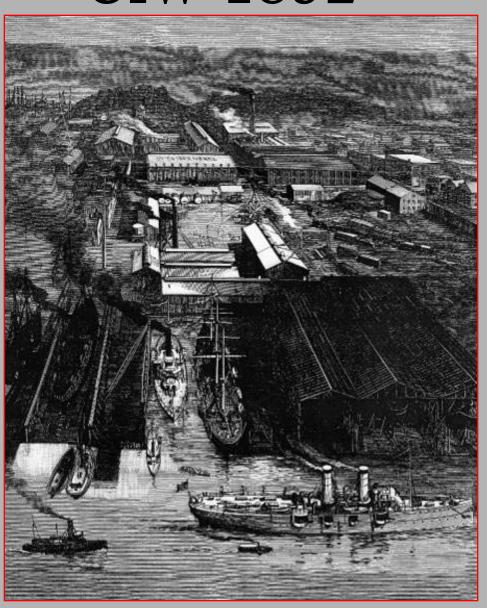


## San Francisco 1892



Bancroft Library

## UIW 1892





# Building 104

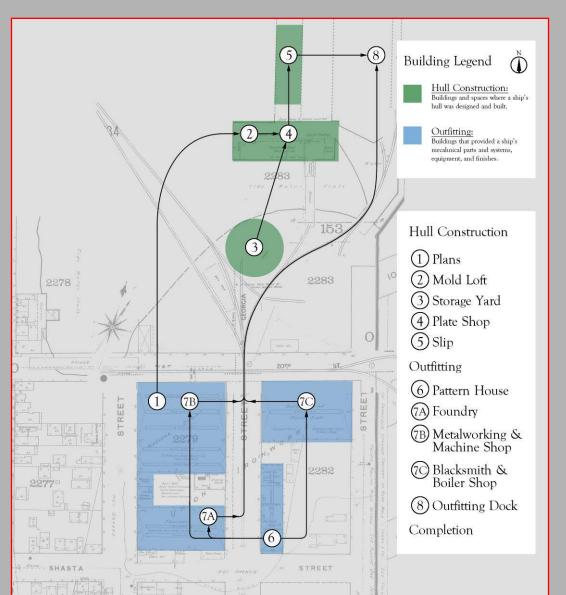






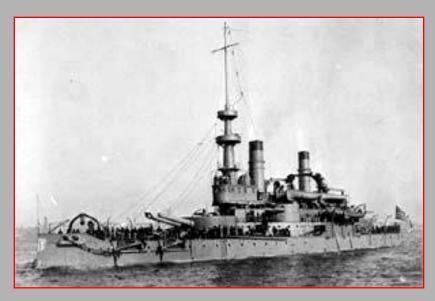


## Shipbuilding 1880s





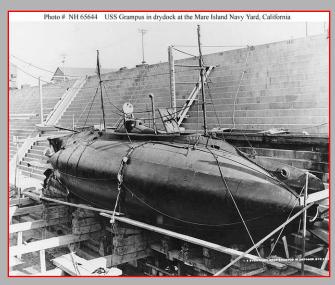
# Ships



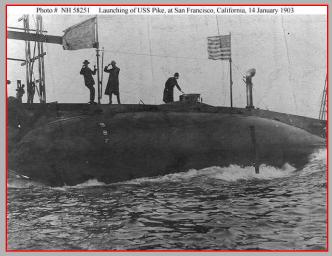
U.S.S. Oregon



U.S.S. Olympia



U.S.S. Grampus



U.S.S. Pike



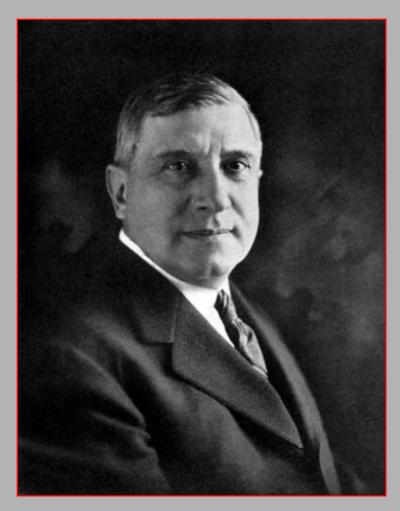
#### 1900-1914

- 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

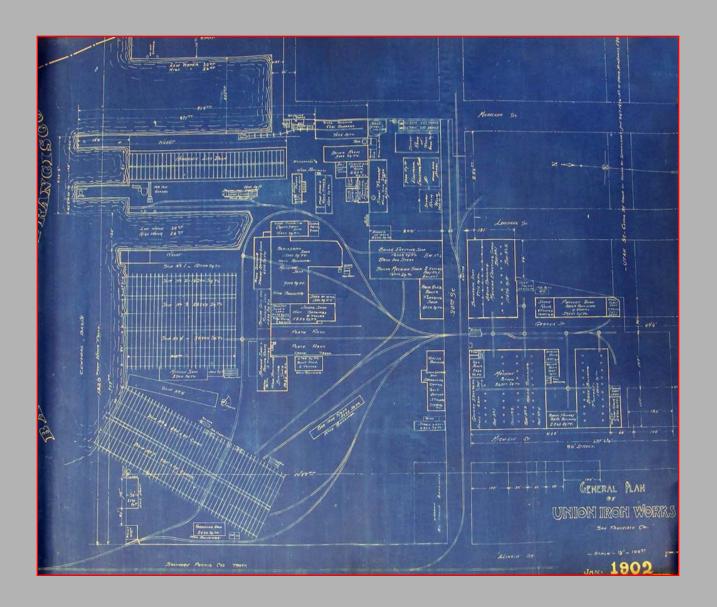








#### 1902 – General Plan





#### 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-





#### Charles Peter Weeks





## Building 109





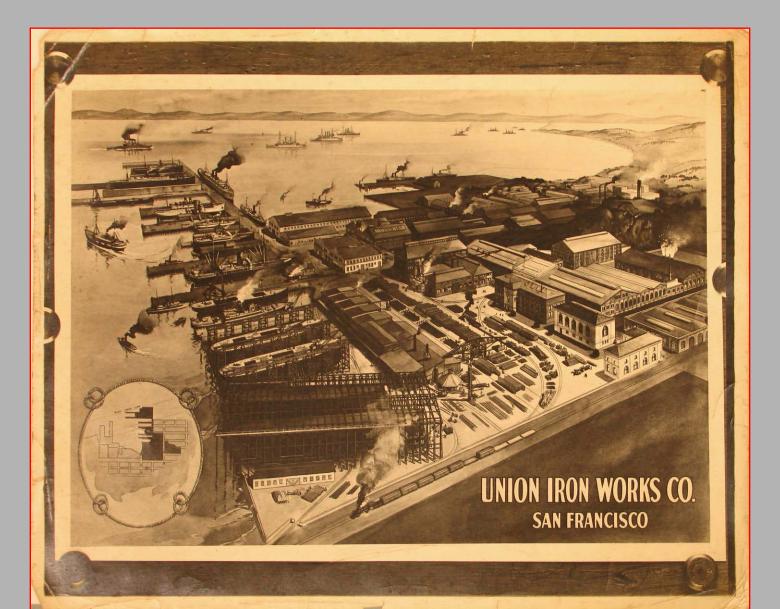




#### World War I



#### World War I



# Building 101













#### Frederick Herman Meyer







## Building 111













## **Building 115/116**





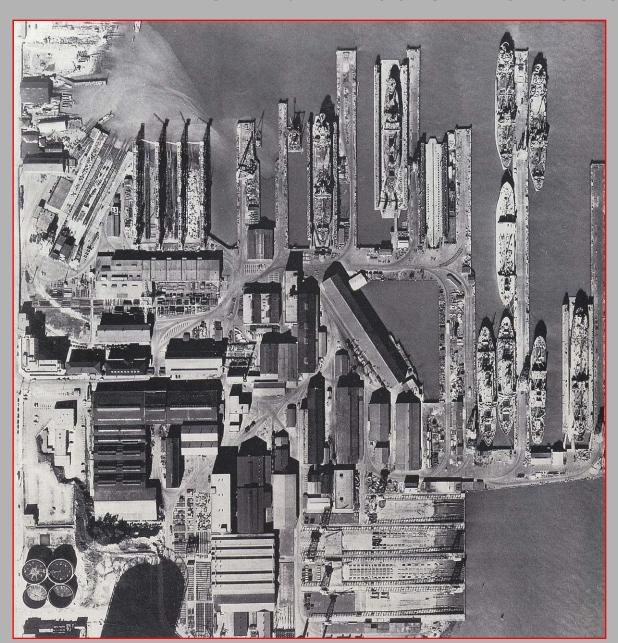




#### AEG Turbine Factory, 1910



#### Pier 70 World War II











## Building 12



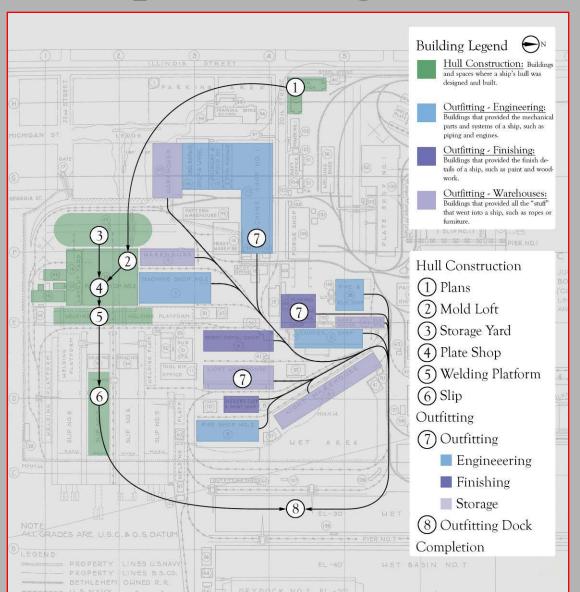








#### Shipbuilding WWII





## 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
- **2**006-2014!
- 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, IR., 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

Cent Total Ypie, Ph.D

Carol Roland-Nawi State Historic Preservation Officer

Enclosure: National Register Notification of Listing

## Pier 70 Today









Google Earth

## 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



- Characterdefining features
- Survey ratings
- Significance diagrams
- Understanding of historical context

#### Levels of Significance

Pier 70 Resources

leling a ker		Address	Date Be		Association	Architect/Engineer	Countraction Type	Overall Condition	Carry & Co Ra	2001 Control that Waterfront Survey	Southern Waterfront	FortHikitoric Kommerca Database (ARC 1996)	SF Resource Category	Port of Rapid
2	Warehouse	A-countries	1941/4		MARINE MARINE	Auca excipt agreed	Sondele	Sale	Carty of Co Ka	IN WARRENDAR DERVEY	ID .	Potential district constributor	Cangpry	N/A
-	Light Warehome		(94)		wwii	ļ	yeed house	Sole		ID ID	100	Potential disent recommittee	A	RE
U U	The Noonan Building (Tool Boom and	Clifford	1941		wwii		wood from:	Sair segood	· · · · · · · ·	3D	3D	Potential disense toperatibuter	A	CREE
12	Plate Shop No. 2	Scheet	1946		WWII	*****************	level frame/read floor	fair	1	3D	3D	Potential district contributor	A	GRE
			1941		wwii		snel frame	Sair		3D	30	Potential dismic recontributor	Ä	NA
+	Heavy Warehouse		1941		wwii	****				3D				CRE
	Layout Yard		1941		WWII		steel frame	fair	- N			Potential dismic reconstitutor	A	
16	Stress Relieving Building						atool from:	fair	L.	3D		Potential disent transmitter	Α	Nß
	Conge No. 1		1941		wwn		a need/core nee	fair	1 C	3D	3D	Potential dismic transmit stor	A	GRE
21	Electric Shop/Substation No. 5		1900		Risdon Iron		etcel	fair to posit	8	38	3D	Potential dismic teconoributer	A	GRE
	Washteen and Locker Reem		1941		ww.II		concerts		C					N.S
25	Washroom and Locker Room		1941		WWII		jutcel feature	fair	C	3D		Post retial disertic r comeribator	A	N.O
29	Washtoon and Locker Room (Demolish	edi	1941		W.M.II		peel	Descolished	NC	40.6	1	Continue (100)	A	NA
	Template Warehouse		1941		WWH.		steel/wood fame	fair	C	4075	1	Potential disence committee	A	No
12	Template Watchcase		1941		WWII		lated frame	fair	C	30		Potential district contributor	A	Nil
	Welling Shop		1941		WWIII		steel frame		F	3D	ID.		A	GRE
			1915/4		Dethichen Steel			god		30	10	Potential disent recentilister		CHEENIN
N.	Beiler Shap Berhileben Stoel Employment Office		1940		WWIII		cohetete	poor	************	30	3D	Potential district contributor	Α	
							concrete	posit	- L	3D	317	Potential dienic roommit stor	A	N/I
41	Fine Station		1941		WWII		and	poor	NC		1			NA
46	Beiler - (Demolished)		1.194		(0.00.1)			Detailished	NC.			Potential district contributor	N/A	NA
释	Colvanizing Shap	10000	c. 1940	0	ww.ii		week frame	fuir	C	4D5		Potential district contributor	A	CRE
	Dencimbed						y tool frame	demolished	NC	3D			A	N,S
8	Pier 68 Substackin #4		1941		A.A.II		jetecl/concrete	Helt to good	C		1		N/A	N/
	Substation 46		1946		ww.II		proced france		Ü	405.7	1		A	N/
	Bethleben Welding Platforn	7	c. 94		wwill		atcel frame	fair to posit	i i	405	1	Potential disesse to contributor	A	N/
ă	Pier 68 Substation #7, Dry Dock office		Post 19-				brick	good	NC.			TOTAL MARKET LINE TO A STATE OF THE STATE OF	N/A	CIRE
		10 TO L C.			6.411	terra in the second				m	m	The second lab & R. R.		YELL
	Bethlehen Stoel Administration Beild		1917		Bethlehem Steel		concere	Ant	VS			Potential indi. & dist. corement	Α	
	Pereceptions No. 1	49 John St.	1912			Chatles P. Weeks	consists	_wsil	VS.			Percental indi. St. dist. screetharce	Α	GRE
3	Steam Powerbosse No. 2		1937		Bethlehen Stoel	Learness	brick/mod	god	S	3D	3D	Pose retail diserte e comeribator	Α	GRE
4	Office Building	430 20ch St.	1.896			Percy & Hamilton	brick moscrey	post	Vs	103	III.	Potential indi. & dist. contributor	A	N.
5	Forge Shop		c.1890/E	937	Bethlehem Steel	Transcription of the Parket	proof franc	youl	8	3D	30	Potential truly, & dist. contributor	A	CHEEN
7	Union Iton Works West Lamber Shed		1937		wwn		letect frame		NC	406		Potential district countributor	A	CRE
	Planing Mill and Joinery Shop		1911/1		Berblehem Stool		anet/world?	fair so-good	1	3D	3D	Potential dismic recommitsor	A	GRI
	Plate Shop No. 1		1912/3		Bethlehem Steel	************	procVerocd!			3D	3D	Potential district committee		GRE
								fate	P 2	3D	30			N
	Yard Washtoots/Locker Recen		1936		Bethlehem Steel		httck/steel		- Ly			Potential disesse teconosibutor	Α	
	Main Office, Watchesse and Substation	No. 3	1917		Bethlebeta Steel		Brick masoney	fait	5	3D	3D	Potential dismic reconstitutor	A	N/P
100	Machine Shop No. 1		1886/19			Dr. D. E. Mellim	brick mesorety	Mak to poor	VS.	JB	JID.	Potential indi. & dist. contributor	Α	N/B
4	Machine Shop Storage		1886/19	14	Union Iron Wor	Dr. D. E. Mellies	httck masorey	fair to poor	VS	38	38	Potential indi: & dist, coreribator	A	NA
5	Concrete Watchesse		1917		Pethleben Steel		concete	fair to good	VS	3D	3D	Potential dismic toomshipstor	A	YELL
6	Concrete Watehouse		1917		Bethlehem Steel		sonately	fair to good	VS	3D	1 10	Potential dismic recontributor	A	YELL
7	Warrhouse No 9		1941		Bethleben Steel	1	steel franc	head	C	ID.	1 10	Pore retail disense reconneils at cr	A	GRE
9	Yard Washicoto		1936		Bethleheta Stock	-	brick/exed	Suit	· · · · · · · · · · · · · · · · · · ·	30	30	Potential district contributor	A	RE
	North Lumber Shed		1936/19		wwn		steel frame	goal	100	3D	+	Potential dismic teameributor	A	GRE
												FOR BURE GROUP TOORSTONE		
2	Div Dick Office		1941		ww.ii		wood frame	and		30			A	GRE
	Union Iton Works moved Carehouse		1936/19		Bethlehem Steel		conclete	fait	C	3D	4	Potential district committee	A	N.
	Checkhouse No. 2		1916		Bethlehem Steel		conclete	good	C/S	3D	3D	Potential dismic tecontributor	A	N.
-	Piet 68 Breakroom/Washroom/Rostroom		Post 19-				corregated netal	good	NC.				N/A	GRI
18	Pier 68 Production Offices		c. 194		ww.li			good	NC	11 V St. 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Potential disence committee	N/A	GR
	Career Ctures		1940a		WWH .				C			Potential disence committee	N/A	N
	Salety Display Peared (left-of-entry so 11	3)	1940		WWII		1	7	C		1	Potential district constitutor	N/A	N
	Union Iton Works Fence (W side of 40)		c. 91		Bethichen Steel	·						Potential district constributor	N/A	N
	What I		1886/19		Properties and	·		Tarde .	NC/Serting			- Constitution of the Constitution		T N
	Whati 3		1586/1918					trein.	NC/Setting				N/A N/A	GRI
				Light.			·							
	What 4		1957	1,000				hekalt	NC/Serting				N/A	GR
9	What 5		1945/19					tebalt	NC					B
	Deydock No. 1		1943					posit	NC/Setting		1	A SECTION AND A SECTION ASSESSMENT		N
	Dryleck No. 2	Account to	1970	1000	Sale Williams			good	MC/Serting	1104155 1 101110 1101	Etas In Mar		1000000	N
-33	Daydock Euroka	e.8	140s, moved to	19th; c. 1993		District Control		good	NC/Sexting					N
	Stp I		1595/1915/					infilled	C					N
	Star 2		1900/19				7	infilled						N
77	Sig 3		1900/19					Strilled	Z		1			N
-	Sig-et & Cares		1941		wwii					402		Potential district committee		N
-								fair to poor		71.6		LOSC HOSE GIRENE L COMMANDE	Α	
	Size 3-5 (filled and neved sect)		1941					intibled	Aurora .			4		N
-	Wet Basin I		1948				A		NC/Serring					N
_	Wet Basin 2		1586						NC/Setting					N
	Wet Busin 3		1941				1		NC/Setting					N
	Wet Basin 4		1941						NC/Serring					N
135	Wet Basin 5		1942			1			MC/Serring		1			l N
	Wet Basin 6		1940			·			NC/Setting					T N
-	Wet Bustn T		1945			ļ			NC/Serting		+	<del> </del>	***********	N
										****			*********	
	What 6		1941					indn	MC/Setting	***				N
	What I		1942					Joseph .	NC/Serting		1			N
	Irish Hill Returnent		Charles of				San San Francisco		S		Astronomic State			N
1	20th Smart Paring		18904				1		C		1		7	N
	Rail tires	100	Variou			-	177		C*	15.1				

#### 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

## 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











