

MAR. 15. 2002 11:08AM

NO. 792 P. 1



FEDERAL EMERGENCY MANAGEMENT AGENCY

FEMA-1391-DR-NY
DISASTER FIELD OFFICE
80 Centre Street, 3rd Floor
New York, New York 10013

Public Assistance Fax: (212) 667-8987

FAX TO: <i>Krish Radhakrishnan</i>	FROM: <i>Paul Barry</i>
SUBJECT: <i>Historical Buildings</i>	DATE: <i>3/14/02</i>
PHONE #: <i>718 595-3718</i>	PHONE #: <i>(212) 693-7410</i>
FAX #: <i>718 595-3744</i>	# OF PAGES (INCLUDING COVER) <i>32</i>

Krish,
Here is the list of historical buildings, as you can see there are a large number of them. Also included is a list of the typical cleaning treatments for historical buildings. Once you've had a chance to go over the material, please give me a call, there are a couple of approaches we can take.

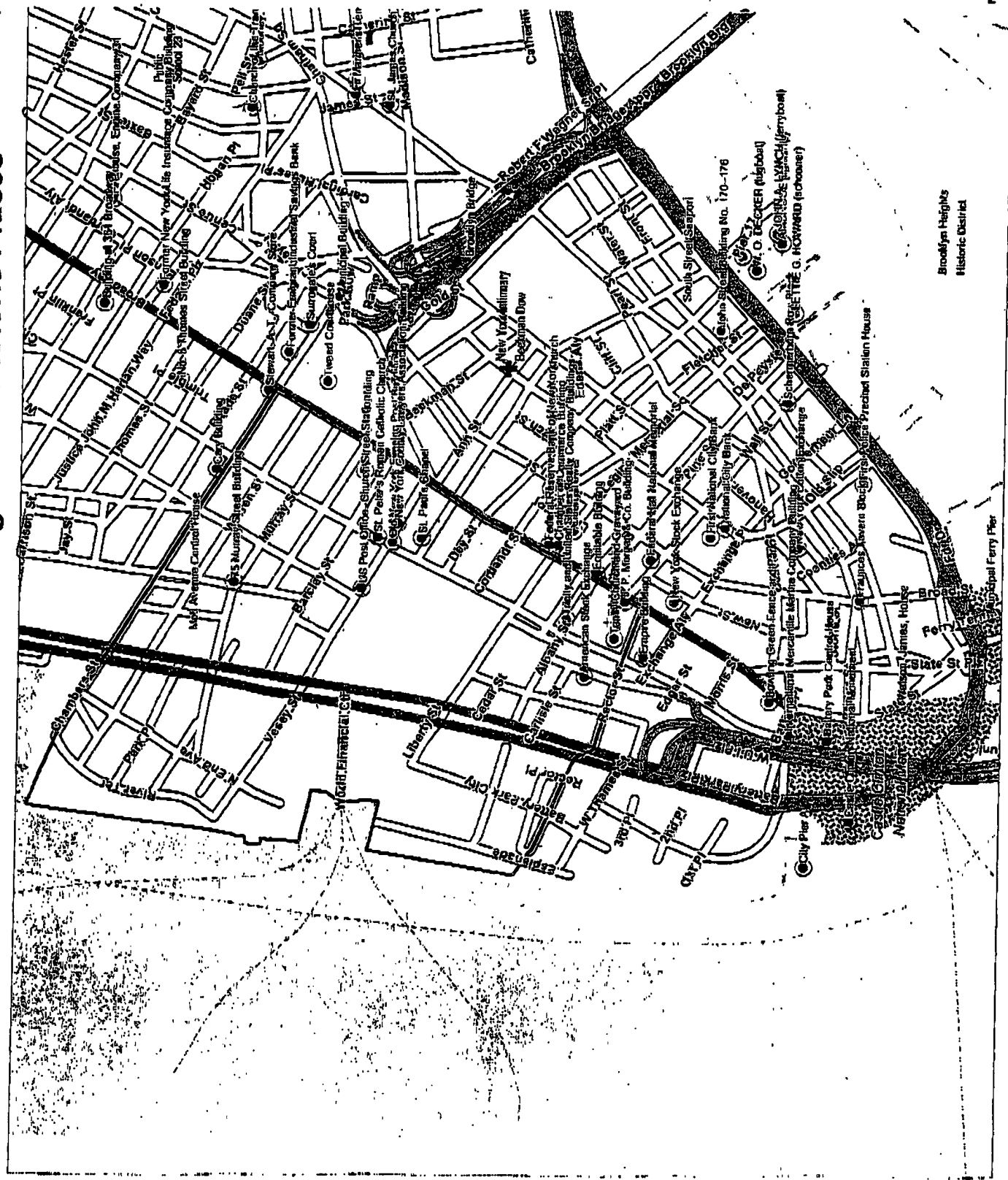
Paul

Revised: 3/05/02

LANDMARK

FEMA-1391-DR, New York National Register of Historic Places

Secured Area



Brooklyn Heights
Historic District



Historic Buildings In The World Trade Center Vicinity

*With Information About
Their Current Status*

Buildings Inside the Security
Perimeter

Buildings Outside the
Security Perimeter

See also "Building Structural Status"
from the City of New York
Emergency Mapping Center.

[View area map](#)

Buildings Within the Security Perimeter

This is the area immediately surrounding the WTC. A six foot high chain link fence surrounds the area of the emergency operations. National Guard troops are stationed at openings in the fence. The boundry is Chambers St. on the North, Broadway on the East, Rector St. on the South and the Hudson River



on the West.

140 West Street, Barclay-Vesey Building

[] indicates information from the city's structural evaluation as reported in the New York Times on 9/23/01.

NR denotes National Register of Historic Places

NYLPC

Landmark denotes New York City Landmark

Barclay Street

40 Church St. US Post Office

- ✓ • 22 BARCLAY STREET, St. Peter's Roman Catholic Church (NYLPC Landmark) (NR)

Broadway

- ✓ • ST. PAUL'S CHAPEL (between Fulton St. and Vesey St.) (NYLPC Landmark) (NR)
- ✓ • 233 BROADWAY, Woolworth Building (NYLPC Landmark) (NR)
 - 195 Broadway, Old AT & T Building (1912-1913) -
 - 175 Broadway, the Germania Building (1865) -
 - 111 Broadway, Trinity Building (NYLPC Landmark)
 - 115 Broadway, United States Realty (NYLPC Landmark)
 - TRINITY CHURCH AND GRAVEYARD (intersection of Wall) (NYLPC Landmark) (NR)

233 Broadway - Woolworth building

Cedar Street

- 155 Cedar Street, St. Nicholas Greek Orthodox Church [collapsed]
- 125 Cedar Street / 120 Liberty Street

Church Street

- 90 Church Street, U.S. Post Office & Federal Office Building (Church St. Station)

Cortlandt Street

- 26 Cortlandt Street, East River Savings Bank/Century 21

Fulton Street

- 139 Fulton Street, Bennet Building

Liberty Street

- 114 Liberty Street
- 120 Liberty Street, see 125 Cedar Street

Murray Street

- 75 Murray Street, Hopkins Store (NYLPC Landmark)

Trinity Place

- 86 Trinity Place, American Stock Exchange (NR)

Vesey Street

- 14 VESEY STREET, New York County Lawyers Association Building (NYLPC Landmark) (NR)
- 20 VESEY STREET, Old New York Evening Post Building (NYLPC Landmark) (NR)

West Street

- 75 West Street, New York Evening Post Building (NR)
- 90 West Street, "the Little Woolworth" - [structural damage] (LPC Designaion)
- 140 West Street, Barclay-Vesey Building - [structural damage] (NYLPC Landmark)

Buildings Outside the Security Perimeter

[] indicates information from the city's structural evaluation as reported in the New York Times on 9/23/01.

NR denotes National Register of Historic Places

NYLPC Landmark denotes New York City Landmark

Battery Park

- Battery Park Control House (IRT) Control House (State Street & Battery Place) (NR)
- Castle Clinton National Monument (NR)
- City Pier A (South End of Battery Place) (NR)

Bowling Green

- Unites States Customs House (National Museum of the American Indian / U.S. Bankruptcy Court) (NYLPC Landmark)

Broad Street

- 70 BROAD STREET, American Bank Note Company Building -
- 25 BROAD STREET, Broad Exchange Building (NR)

Broadway

- Broadway & Beaver Street, Bowling Green Fence and Park (NR)
- 1 Broadway, International Mercantile Marine Company Building (NYLPC Landmark) (NR)
- 5-11 Broadway, Bowling Gren Office Building (NYLPC Landmark)
- 25 Broadway, Cunard Building (NYLPC Landmark)
- 26 Broadway, Standard Oil Building (NYLPC Landmark)
- 65 Broadway, the American Express Company Building (NYLPC Landmark)
- 71 Broadway, the Empire Building (NYLPC Landmark) (NR)
- 120 Broadway, the Equitable Building -

Chambers Street

- 105-107 Chambers Street, Cary Building (NYLPC Landmark)
- 51 Chambers Street, Emigrant Industrial Savings Bank - Municipal Building (at intersection of Centre Street) (NR)
- 52 CHAMBERS STREET, Tweed Courthouse -
- 31 CHAMBERS STREET, Surrogate's Court

Fulton Street

- 139 Fulton Street, Bennet Building (NYLPC Landmark)

John Street

- 13 John Street, the Corbin Building (1888)
- 44 John Street, John Street Methodist Church (NYLPC Landmark) (NR)

Liberty Street

- 65 Liberty Street, Chamber of Commerce (NYLPC Landmark) (NR)
- 55 LIBERTY STREET, Liberty Tower (NYLPC Landmark) (NR)
- 33 LIBERTY STREET, Federal Reserve Bank of NY (NYLPC Landmark) (NR)

Maiden Lane

- 90-94 Maiden Lane (NYLPC Landmark)

Pine Street

- 60 Pine Street, Downtown Association (NYLPC Landmark)
- 56-58 Pine Street, Pine Street Building (NYLPC Landmark)

South Street

- 11 South Street, Whitehall Ferry Terminal

State Street

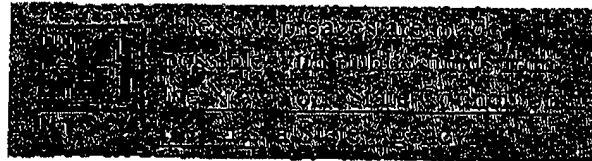
- 7 State Street, James Watson House (NR)

Wall Street

- 28 Wall Street, FEDERAL HALL NATIONAL MEMORIAL (NYLPC Landmark) (NR)
- 55 Wall Street, former National City Bank Building (NYLPC Designation) (NR)
- 23 WALL STREET, J.P. Morgan & Co. Building (NYLPC Landmark) (NR)
- 11 WALL STREET & 8-18 BROAD STREET, NYSE (NYLPC Landmark) (NR)
- 40 WALL STREET, Manhattan Company Building (NYLPC Landmark)
- 48 Wall Street, Former Bank of New York & Trust Co. (NYLPC Designation)
- IRT underground section at Wall St, Fulton St, and City Hall -
- 14 Wall Street, Bankers Trust Building (NYLPC Landmark)
- One Wall Street, originally Irving Trust Company, now The Bank of New York (NYLPC Designation)

West Street

- 21 West Street (NYLPC Designation) (NR)
- 19 West Street, Downtown Athletic Club (NYLPC Designation)
- 1-17 West Street / 17 Battery Place, THE WHITEHALL BUILDING, (NYLPC Designation)



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NO. 792 P. 8

FEMA-1391-DR-NY
Special Considerations - Historic Eligibility
Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC; AIA Guide to NY; Info. Provided by DOB

Building Address	AKA Address	Block	Lot	Building Name	NR Eligibility	Apparent Building Condition (Information recorded on Nov. 9, 2001 and Nov. 10, 2001)	DOB Building Status (Information from Building Status Map)	Other Landmark Status	Stories	Construction	Building Date
		56	21	St. Nicholas Greek Orthodox Church			Destroyed				1832
209-211 Broadway		87	1	St. Paul's Chapel			Damaged but Stable Ready for Occupancy with Repairs/Cleaning	CIL and graveyard			1794
217 Broadway, NW Corner of Vesey and Broadway		88	1	Astor Building	Eligible	Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		7 Story Building with Store; Partial Basement	Sanborn Notes as Fireproof Building	
12-16 Vesey Street	#14 Marked on Building	88	2	N.Y. County Lawyers Association	Eligible	Facade and Window Cleaning; Possible Broken Glazing	Needs Cleaning	CIL	4	Sanborn Notes as Fireproof Building	1930
18 Vesey Street		88	4		Not Eligible	Facade and Window Cleaning	Needs Cleaning		5		
20-24 Vesey Street	20 Vesey Street	88	5	Garrison Building, Originally New York Evening Post Building	Eligible	Facade and Window Cleaning; Deterioration on storefronts	Needs Cleaning	CIL	13 Story Building with Store	Sanborn Notes as Fireproof Building	1907
28 Vesey Street		88	8		Not Eligible		Needs Cleaning		2 Story Building with Store		

CIL=City Individual Landmark

SR=State Register

NR=National Register

HD=Within Historic District

DOB

2006

FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYCLPC; AIA Guide to NY; Info. Provided by DOB

79 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
81 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
83 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
275 Greenwich				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				completed 1987
295 Greenwich				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				completed 1987
82-84 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
80 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
78 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
72-74 Warren				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
66 West Broadway	NW Corner of Murray and W. Broadway			May be Eligible	Facade and Window Cleaning- Light Dust					
67 Murray					Facade and Window Cleaning- Glazing loss	Needs Cleaning				
69 Murray					Facade and Window Cleaning- Light Dust	Needs Cleaning				
71 Murray				May be Eligible	Facade and Window Cleaning	Needs Cleaning				
75 Murray				Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
77 Murray				Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
81 Murray Street				Not Eligible	Facade and Window Cleaning	Needs Cleaning				

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FEHA-1391-DR-NY
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 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEHA Building Status; Information Provided NYC LPC; AIA Guide to NY; Info. Provided by DOB

83 Murray Street					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
148 Church	32 Warren				May be Eligible	Facade and Window Cleaning						
28 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
28 Warren and/or 24 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
20 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
18 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
16 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
12-14 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
10 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
11 Warren	258 Broadway				May be Eligible	Facade and Window Cleaning	Needs Cleaning					
15 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
17 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
19 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
19-21 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
23, 25, 27, 29, 31 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning					
9-15 Murray				The New York Public Library New Amsterdam Branch	Eligible	Facade and Window Cleaning	Needs Cleaning					
6 Murray Street					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
10 Murray					May Be Eligible	Facade and Window Cleaning	Needs Cleaning					
14 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
16 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
GB 606 Broadway SRS State Register					Not Eligible	Facade and Window Cleaning	Needs Cleaning					

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 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC; AIA Guide to NY; Info. Provided by DOB

20-22 Murray					May Be Eligible	Facade and Window Cleaning	Needs Cleaning					
24 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
21 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
253 Broadway					Not Eligible	Facade and Window Cleaning						
19 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
17 Murray					Not Eligible	Facade and Window Cleaning	Needs Cleaning					
254-256 Broadway				Home Life Insurance	Eligible	Facade and Window Cleaning		CIL				
265 Broadway					Not Eligible	Facade and Window Cleaning						
270 Broadway					Not Eligible	Facade and Window Cleaning						
261 Broadway					Not Eligible	Facade and Window Cleaning-Light Dust						
88 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
90 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
92 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
94 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
96 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
98 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					
100 Chambers					Not Eligible	Facade and Window Cleaning-Light Dust	Needs Cleaning					

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FEMA-1391-DR-NY
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 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYCJPC; AIA Guide to NY; Info. Provided by DOB

102 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
110 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
112 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
114 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
116 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
118 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
120 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
122 Chambers					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning	CIL				
124 Chambers						Facade and Window Cleaning- Light Dust	Needs Cleaning					
126 Chambers						Facade and Window Cleaning- Light Dust	Needs Cleaning					
128 Chambers					Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning					
		142	1		Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning			3 story and basement		1988
179 West Street					Not Eligible	Boarded Up						
189 Broadway					Not Eligible	Facade and Window Cleaning- Light Dust						
187 1/2 Broadway					Not Eligible	Facade and Window Cleaning- Light Dust						

SB=State Register
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FEMA-1301-DR-NY
Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps, 9/27/2001 FEMA Building Status, Information Provided NYC L.P.C. AIA Guide to NY, Info. Provided by DOB

30 Vesey Street		88	10	Undenwood Building	Eligible	Facade and Window Cleaning; Broken Glazing; Debris on Sills	Needs Cleaning		18 Story Building with Store	Sanborn Notes as Fireproof Building	
22 Barclay Street	SE Corner of Barclay Street and Church Street	88	11	St. Peter's Roman Catholic Church	Eligible	Facade and Window Cleaning	Needs Cleaning	CIL			
16 Barclay Street		88	12	Convent. Originally a School	Eligible	Facade and Window Cleaning	Needs Cleaning				
14 Barclay Street		88	13		Not Eligible	Facade and Window Cleaning	Needs Cleaning				
2-4 Barclay Street	225 Broadway	88	18	Transportation Building	Eligible	Facade and Window Cleaning	Needs Cleaning		44 Story Building with Store	Sanborn Notes as Fireproof Building	
90 Church Street		86		Federal Office Building; Post Office	Eligible	Facade and Window Cleaning; Debris; Broken Glazing; Possible Damaged Exterior railings	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		15 Story with Basement	Sanborn Notes as Fireproof Building	
99 Church Street	95 Church Street	23	10	Dun and Bradstreet, Inc; "Macody's Investors Service"	Eligible	Facade and Window Cleaning; Broken window on south elevation	Needs Cleaning		11 and stores		
100 Church Street	94 Church Street	125	20		Not Eligible	Facade and Window Cleaning; Broken Glazing; Apparent projectile damage in one area on South facade	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		19		
30 West Broadway		127	15	US Immigration and Naturalization Bldg.	Not Eligible		Major Structural Damage Occupancy Not Permitted		15 Story; Garage Under	Sanborn Notes as Fireproof Building	Completed in 1959
123 Barclay Street		128		Irving Trust Operations Building	Not Eligible	Loss of Glazing; Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		19-26 with basement	Sanborn Notes as Fireproof Building	1985
140 West Street	90-110 Barclay St.; 88-110 Vesey St.; 206-222 Washington	84		Barclay-Vesey Building; New York Telephone	Eligible	Significant Damage to South, East and West Facade	Major Structural Damage Occupancy Not Permitted	CIL and Interior	29 and Basement	Sanborn Notes as Fireproof Building	1937
150 West Street	125 Barclay and 140 Park Place	128	28		Eligible	Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		10 and store	Sanborn Notes as Fireproof Building	

SF=State Register
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FEMA-1361-DR-NY
Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC/LPC; AIA Guide to NY; Info. Provided by DOB

200 Vesey	3 WFC (Tower C)			AMEX WFC	Not Eligible		Major Structural Damage Occupancy Not Permitted				
Winter Garden					Not Eligible		Major Structural Damage Occupancy Not Permitted				
225 Liberty				Merril Lynch	Not Eligible		Major Structural Damage Occupancy Not Permitted				
80 West Street				90 West Street Building: Cass Gilbert	Eligible	Significant Damage to Building and Interior	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	CIL			1907
130 Cedar		56	1	Green Exchange Building	May be Eligible	Significant Building Damage	Major Structural Damage Occupancy Not Permitted		12 and store		
200 Liberty Street					Not Eligible	Damage to East Facade	Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
130 Liberty					Not Eligible		Major Structural Damage Occupancy Not Permitted				
5 Albany		54	1	Bankers Trust Plaza	Not Eligible		Major Structural Damage Occupancy Not Permitted		39 and Basement	Sanborn Notes as Fireproof Building	
123 Washington	4 Albany Street	53	23	Deutsche Bank	Eligible	Window and Glazing Damage on North Elevation; Damage to Copper cornice at North elevation; Window and Facade Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		9 and Basement		
120 Greenwich	2 Albany Street; 1 Carlisle St.	53	28		Eligible	Window (Glazing) Damage; Window and Facade cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		12 and Basement		
125 Greenwich	123 Greenwich	51	14	Pardik Building	Eligible	Window (Glazing) Damage on North and East Facade; Window and Facade cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		10		

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FEMA-1391-DR-NY
Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYCLPC; AIA Guide to NY; Info. Provided by DOB

133 Greenwich		52	8		Not Eligible		Needs Cleaning		28 and Store		
137 Greenwich		52	10		Not Eligible		Major Structural Damage Occupancy Not Permitted		5 and store		
141-151 Greenwich	124 Liberty : 127 Cedar	52	22	Fire Dept., Eng No.5	Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
123-125 Cedar	120 Liberty	52	21	Foundation Building	Eligible	Corbice Damage; Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		12 Stories with Store	Sanborn Notes as Fireproof Building	
119-121 Cedar Street	114-118 Liberty Liberty	52	25	Engineering Building	Eligible	Building facade damaged at center bay; East corner of South facade is damaged; Window and Glazing loss; Div/Debris	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		11 Stories with Store	Sanborn Notes as Fireproof Building	
113-117 Cedar	110 Liberty Street, 110-112 Liberty				Not Eligible	Window/Glazing Damage; Facade and window cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		4 and 5 Story		
106 Cedar					Not Eligible	Window and Corbice Damage; Facade and window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
109 Cedar	NW Corner of Cedar and Liberty				Not Eligible	Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
1 Liberty Plaza		62	1	1 Liberty Plaza, Merrill Lynch	Not Eligible	Facade and Window Cleaning; Debris; Building is matted	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		54; Basement		Completed 1972
19 Church Street		63	6	Century 21 Dept. Store; Br. Of East River Savings Bank; Bank Building	Eligible	Windows Boarded up; Building is matted	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		5; Basement		

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FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC; AIA Guide to NY; Info. Provided by DOB

22 Cortland Street	9-17 Day Street	63	3		Not Eligible	Windows/Glazing Loss	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		6 story on Day St. and Cortland St.; 33 Story Tower at Center		1971
10 Cortland Street		63	1		Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
173 Broadway	2 Cortland	63	21		Not Eligible	Facade and Window Cleaning	Needs Cleaning		2 story and Store		
195 Broadway		80	1	Kailow Building	Eligible	Facade and Window Cleaning	Needs Cleaning		29 story; Basement	Sanborn Notes as Fireproof Building	
189 Broadway		63	13		Not Eligible	Facade and Window Cleaning	Needs Cleaning		2 story and Store		
7 Day Street and 5 Day Street		63	12		May be Eligible	Facade and Window Cleaning	Needs Cleaning		16 story and Store	Sanborn Notes as Fireproof Building	
20 Day Street		63	4	Hotel	Not Eligible	Facade/Window Damage	Damaged but Stable Ready for Occupancy with Repairs/Cleaning				
115 Broadway		50	1	US Realty, Trust Co. of North America	Eligible	Facade and Window Cleaning, Possible loss of glazing	Needs Cleaning	CIL	21 story; Basement	Sanborn Notes as Fireproof Building	1907
111 Broadway		49	2	Trinity Building	Eligible	Facade and Window Cleaning	Needs Cleaning	CIL	21	Sanborn Notes as Fireproof Building	1907
100 Trinity Place	96 Trinity Place	52	1		Not Eligible	Facade and Window Cleaning	Needs Cleaning		10	Sanborn Notes as Fireproof Building	Completed 1989
Trinity Church		49			Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning	CIL			1846
90 Trinity Place		51	15	NYC Board of Education, NS of Economics & Finance	Not Eligible	Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		15	Sanborn Notes as Fireproof Building	Completed 1973

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FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC, ADA Guide to NY; Info. Provided by DOB

80 Trinity Place	111-123 Greenwich Street; 78 Trinity Place	51	13	American Stock Exchange	Eligible	Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	19 and Basement on Trinity, 7 and Basement on Greenwich	Sanborn Notes as Fireproof Building	
74 Trinity Place	109 Greenwich				Eligible	Facade and Window Cleaning	Needs Cleaning	24 and 18 store, 18 and store on Greenwich Street	Sanborn Notes as Fireproof Building	
23 Thomas					Not Eligible	Facade and Window Cleaning				
68 Trinity					Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning			
2 Rector Street	Corner of Rector and Greenwich				Eligible	Facade and Window Cleaning- Light Dust	Damaged but Stable Ready for Occupancy with Repairs/Cleaning			
92 Greenwich	NE Corner of Rector and Greenwich; 94 Greenwich	153	41		Not Eligible	Facade and Window Cleaning- Light Dust and Debris	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	4 with Store		
94 Greenwich	94 1/2 Greenwich	153	40		Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning	4 with Store		
96 Greenwich		153	39		Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning	3 with Basement and Store		
98-100 Greenwich		153	38		Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning	5 Store and Store		
102-104 Greenwich					Not Eligible					
106 Greenwich					Not Eligible					

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FEMA-1391-DR-ANY
Special Considerations - Historic Eligibility
Information derived from 199-2008 Sanborn Insurance Maps and 2004 FEMA 3-111

Address	Parcel ID	Area	Structure	Condition	Notes	Remarks	Owner	Agent	Phone	Fax	E-mail	Website
108 Greenwich				Not Eligible								
110 Greenwich		153	33	Tyrrell Building	Not Eligible	Loss of windows and Glazing; Clean facade and windows	Damaged but Stable Ready for Occupancy with Repairs/Cleaning					
111 Greenwich					Not Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning					
110 Washington	71 West Street, SW Corner of Washington and Caliste	55	14		Eligible	Loss of windows and Glazing; Clean facade and windows	Damaged but Stable Ready for Occupancy with Repairs/Cleaning					
108 Washington					Not Eligible	Facade and Window Cleaning; Debris						
105-107 Washington					Not Eligible	Facade and Window Cleaning						
103 Washington				St. George Chapel, Monks Bar	May be Eligible							
99 Washington				Parking Garage	Not Eligible							
104 Washington Street				NYPD Downtown Center	Not Eligible	Facade and Window Cleaning; Possible minor glass breakage						
40 Rector	NW Corner of Washington and Rector				May be Eligible		Damaged but Stable Ready for Occupancy with Repairs/Cleaning					
33 Rector					Eligible	Facade and Window Cleaning; Light Dust, other	Damaged but Stable Ready for Occupancy with Repairs/Cleaning					
19 Rector	88 Greenwich				Eligible							
16 Rector	SE Corner of Rector and Greenwich				Not Eligible	Facade and Window Cleaning						

City of New York, Department of City Planning, Office of Community Development, 110 Nassau Street, 10th Floor, New York, NY 10038
 SR- State Register

C=C=City Individual Landmark
 SR=State Register
 NR=National Register
 HD=Within Historic District

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NO. 792 P. 19

FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC L.P.C. AIA Guide to NY; Info. Provided by DOB

50 Trinity	SW corner of Trinity and Rector				Not Eligible	Facade and Window Cleaning						
71 Broadway					Eligible							
233 Broadway	NW Corner of Barclay and Broadway; 227-229 Broadway	23	22		Eligible	Facade and Window Cleaning; Glazing loss on South Elevation; other	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	City and Interior	Building 30 stories; lower 26 stories; Total 55	Sanborn Notes as Fireproof Building		
141 Church	27 Park Place				Not Eligible	Facade and Window Cleaning; Debris	Needs Cleaning					
25 Park Place					Not Eligible	Facade and Window Cleaning; Light Dust						
23 Park Place					Not Eligible	Facade and Window Cleaning; Light Dust						
21 Park Place					Not Eligible	Facade and Window Cleaning; Light Dust						
19 Park Place					Not Eligible	Facade and Window Cleaning; Light Dust						
17 Park Place					Not Eligible	Facade and Window Cleaning; Light Dust						
11 Park Place					May be Eligible	Facade and Window Cleaning						
5 Park Place					Not Eligible							
22 Park Place	21 Barclay				Not Eligible							
110 Church	33 Park Place; NW Corner				Not Eligible	Facade and Window Cleaning						
43 Park Place					Not Eligible	Facade and Window Cleaning; other	Damaged but Stable Ready for Occupancy with Repairs/Cleaning		5 and store			
45 Park Place					Not Eligible	Burlington Coal Factory			4			
47 Park Place.	City Individual Landmark				Not Eligible	Can Ed Substation						
CR=City Individual Landmark SR=State Register NR=National Register HD=Within Historic District												

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NO. 792 P. 20

FEMA-1391-DR-NY
Special Considerations - Historic Eligibility
Information derived from 189-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC; ALA Guide to NY; Info. Provided by DOB

53 Park Place		126	13	Dodge Building	Eligible	Glazing/Window Loss; Facade and Window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	12 story	Sanborn Notes as Fireproof Building	Completed in 1980's
75 Park Place	44 West Broadway; 59-75 Park Place; 40-52 West Broadway; 253-257 Greenwich St.; 64-84 Murray Street	127	18		Not Eligible	Damage at Soft elevating; Facade and window Cleaning	Damaged but Stable Ready for Occupancy with Repairs/Cleaning	13 and basement	Sanborn Notes as Fireproof Building	Completed in 1980's
57 Murray	61 Murray	133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	4 and 5th store		
59 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	2 and 3rd store		
57 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	2 and 3rd store		
55 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
53 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
51 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
49 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
47 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
45 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
43 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
41 Murray		133			Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
37 Murray		133	3		Not Eligible	Facade and Window Cleaning	Needs Cleaning	5 and 6th store		
50 Murray					Not Eligible	Facade and Window Cleaning; Possible damaged entrance				
136 Church	37 Warren St			City of New York Human Resources	Eligible	Facade and Window Cleaning	Needs Cleaning			
41 and 43 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning			
45 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning			
68 West 9th Street					May be Eligible	Facade and Window Cleaning	Needs Cleaning			

SR=State Register
NR=National Register
HD=Within Historic District

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NO. 792 P. 21

FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC L.P.C. AIA Guide to NY; Info. Provided by DOB

49 and 51 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
53 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
55 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
57 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
59 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
61 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
59 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
56-58 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
60 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
54 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
52 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
50 Warren					May be Eligible	Facade and Window Cleaning; Being cleaned when information was recorded	Needs Cleaning				
48 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
46 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
38-44 Warren					May be Eligible	Facade and Window Cleaning	Needs Cleaning				
80 West Broadway					Not Eligible	Facade and Window Cleaning					
71 Warren Steel					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
75 Warren					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				
77 Warren City Individual Landmark					Not Eligible	Facade and Window Cleaning- Light Dust	Needs Cleaning				

NR=National Register
 HD=Within Historic District

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NO. 792 P. 22

FEMA-1391-DR-NY
 Special Considerations - Historic Eligibility
 Information derived from 199-2000 Sanborn Insurance Maps; 9/27/2001 FEMA Building Status; Information Provided NYC LPC; AIA Guide to NY; Info. Provided by DCB

183 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						
181 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						
179 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						
177 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						
175 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						
173 Broadway					Not Eligible	Façade and Window Cleaning- Light Dust						

CIL=City Individual Landmark
 SR=State Register
 NR=National Register
 HD=Within Historic District

APPENDIX B: PERFORMANCE STANDARDS

Requirements and Performance Standards Cleaning Masonry Exteriors

I. Requirements

General: All work related to historic buildings shall comply with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*. Treatment approaches will be in the "gentlest means possible," and all methods should be material and building specific. Programs for the cleaning of historic building façades shall be developed on a case-by-case basis with regard to each building and all associated building materials. Harsh treatments and inappropriate cleaning methods, including abrasive cleaning and certain chemical applications, can damage significant historic building fabric and character-defining features. Traditional abrasive applications such as "sand-blasting" and high-pressure water cleaning shall not be used.

II. Performance Standards

Qualified Contractor(s)/Consultant(s): A qualified professional such as a historic preservation or building conservation expert shall be consulted to develop an appropriate cleaning program for each building and to direct the work. A qualified contractor experienced in the cleaning of historic buildings shall perform the work.

Testing: Prior to cleaning a building, the source and type of soiling, dust, dirt, or debris shall be professionally tested. Identification of the type of soiling material, the type of building material (e.g. stone, cast stone, brick, terra cotta) combined with professional interpretation of test results will aid in the determination of the most appropriate cleaning method for a building. After a cleaning program is selected, the method shall be tested and evaluated by a professional prior to widespread application.

WTC Site Specific Considerations:

- o It should be noted that post-disaster cleaning of particulate soil and dust generated by the event should not be confused with cleaning of more persistent long term soiling that would require more aggressive methods.
- o It is possible, based upon composition of the particulates generated by the event, that the dust and/or debris on the façade may chemically react with applications and masonry substrate during the cleaning process, creating deposits that will cause problems to the building over time and that will be difficult to remove from building fabric. Dust and debris deposited on buildings should be tested for composition. If it is determined that a chemical reaction is possible, steps shall be taken to properly remove debris (from the projecting ledges or elements, sills, fire escapes) and dust from the horizontal and vertical surfaces of the building prior to the application of water or liquid cleaning agents. This may include vacuuming and/or gently brushing away dust from all horizontal and vertical

exterior surfaces. Dust that has re-calcified, or hardened on surfaces should be carefully removed under the direction of a conservator or preservation professional so that historic fabric is not damaged. Debris and dust should be properly disposed of.

- o The owner should insure that potential disaster related damages to the to the building (which may include, but are not limited to, openings in building facades and roofs, cracks, open mortar joints, and weakened or damaged materials) are identified by a qualified professional prior to cleaning the facade. Precautions should be taken prior to cleaning applications, as dust or cleaning agents may enter the building through openings in the facade or fabric.

Cleaning Methods: (See WTC Site Specific Considerations First)

Based on building materials and overall building condition one of the following methods of cleaning will most likely be used:

Water Cleaning- Water cleaning utilizes the application of a gentle, low pressure, clean water spray. High-pressure water spray should not be used and can cause significant damage to building materials. Applied water pressures should not exceed 250 psi, but it must be noted that even low or moderate pressure water applications (100-400 psi) can damage some masonry. Prolonged application of water to a building can result in staining caused by the leaching out of minerals within the building material, the corrosion of embedded ferrous metals, and damage finishes on the interior of the building. Water cleaning should not be conducted during cold weather, as freeze/thaw cycles may cause damage to facades.

Chemical Cleaning- Chemical cleaning may be utilized alone or in conjunction with a water cleaning. Water cleaning may be accompanied by the use of a nonionic detergent applied with fiber brushes and followed with subsequent water applications as specified in the determined cleaning program. The use of acidic or alkaline chemicals for cleaning can cause damage to building materials as well as pose health, safety, and environmental risks. Cleaning poultices are composed of absorbent powders mixed with a liquid to create a wet paste that can be applied to a building. Poultices allow controlled application and removal and minimize rinsing requirements.

Abrasive Cleaning- Abrasive cleaning involves mechanically abrading a surface to remove soiling. Traditional abrasive cleaning techniques are not suitable for cleaning historic buildings as building materials can easily be damaged.

Acceptable and gentle abrasive cleaning methods are highly sophisticated. Consult Historic Building Facades: The Manual for Maintenance and Rehabilitation published by New York Landmarks Conservancy for information regarding acceptable methods of abrasive cleaning.

Cleaning Methods and Materials: The identification of type of soiling, dust, dirt, or debris and specific building materials (e.g. stone, cast stone, concrete, brick, terra cotta) is necessary in order to determine appropriate building cleaning programs.

Stone- Gentle water cleaning, and gentle water cleaning with a detergent, is appropriate. Mild acidic and alkaline chemical cleaning can be carefully considered for use based on material appropriateness if detergents are not effective. Air abrasive cleaning can be appropriate if abrasive grit types are carefully considered and tested.

Cast Stone- Gentle water cleaning and gentle water cleaning with a detergent is appropriate.

Brick- Gentle water cleaning, and gentle water cleaning with a detergent, is appropriate. Acidic and alkaline chemical cleaning can be considered for cleaning unglazed brick when detergents are not effective. Acidic and strong alkaline chemical cleaning solutions should not be used on glazed brick. Abrasive cleaning can potentially damage brick surfaces.

Terra Cotta- Terra cotta should not be abrasively cleaned, or cleaned with acidic or strong alkaline cleaning solutions as these methods can damage glazes. Water cleaning, or water cleaning in combination with a detergent, is appropriate.

Health, Safety, and Environmental Issues:

It is the responsibility of the Applicant to obtain all local, federal and state permits prior to the commencement of work and adhere to all local, state and federal laws with respect to the application and disposal of potential hazardous waste materials.

Sources:

AIC Ethics and Standards Committee. "AIC Code of Ethics and Guidelines for Practice." Revised August, 1994.

Grimmer, Anne E. "Dangers of Abrasive Cleaning to Historic Buildings." Preservation Brief Number 6. Washington, DC: National Park Service, 1979.

New York Landmarks Conservancy. *Historic Building Facades: The Manual for Maintenance and Rehabilitation*. New York: John Wiley & Sons, Inc., 1997.

Weaver, Martin E. "Removing Graffiti from Historic Masonry." Preservation Brief Number 38. Washington, DC: National Park Service, 1995.

Note: National Park Service Preservation Briefs, including those references in these performance standards, are available on the Internet; Keyword Preservation Briefs.

Requirements and Performance Standards Removing Applied Paint (Signage) from Masonry

I. Requirements

General: All work related to historic buildings shall comply with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*. Treatment approaches will be in the "gentlest means possible," and all methods should be material and building specific. Removal of Applied Paint (signage) from masonry should be done as soon as possible. Programs for the removal of applied paint from historic building fabric shall be developed on a case-by-case basis with regard to each building and all associated building materials. Harsh treatments and inappropriate cleaning methods, including abrasive cleaning and certain chemical applications, can permanently damage significant historic building fabric and character-defining features. Traditional abrasive applications such as "sand-blasting" and high-pressure water cleaning shall not be used.

II. Performance Standards

Qualified Contractor(s)/Consultant(s): A qualified professional such as a historic preservation or a building conservation expert shall be consulted to develop an appropriate removal program for each building. A qualified contractor or building conservator, experienced in the removal of applied paint (signage) and cleaning of historic buildings shall be used to perform work.

Testing: Prior to the removal of applied paint, identify the paint type and the substrate to which the paint is applied. Identification of the paint type and substrate material (e.g. stone, cast stone, brick, terra cotta) combined with professional interpretation of test results will aid in the determination of the most appropriate removal method. After a cleaning program is selected, the method shall be tested and evaluated by a qualified professional prior to application. Each building and building material shall be assessed and tested prior to developing and implementing cleaning programs. It is expected that several methods of removal will be tested before an appropriate removal method is found.

WTC Site Specific Considerations:

- Masonry surfaces shall be free of dust prior to implementing a removal program. It is possible, based upon composition of the particulates generated by the disaster, that the dust and/or debris on the façade may chemically react with applications and masonry substrate during the cleaning process, creating deposits that will cause problems to the building over time. Dust and debris deposited on buildings should be tested and, if determined necessary, properly removed prior to the application of water or liquid cleaning agents. (see Performance Standards for Cleaning Masonry Exteriors).
- The Applicant should ensure that potential disaster related damages to the building which may include, but are not limited to, openings in building facades, dust on building materials, cracks, open mortar joints, and weakened or damaged materials are identified by a qualified professional prior to cleaning the facade. Precautions should be taken prior

to applications as dust or cleaning agents may enter building through openings in facades or fabric.

Cleaning Methods: The intent of these standards is to provide general guidelines for the removal of applied paint (or signage) from historic building exteriors that comply with the *Secretary of the Interior's Standards for the Treatment of Historic Properties*. As mentioned above, masonry surfaces should be free of dust prior to implementing a removal program (*see Performance Standards for Cleaning Masonry Exteriors*).

The following information is explained in greater detail in Preservation Brief Number 38 "Cleaning Graffiti from Historic Masonry" by Martin E. Weaver:

Substrate Identification- Identification of the type of stone substrate will help determine the type of removal methods. Masonry materials can be categorized as being acid-sensitive, non-acid sensitive, or alkali-sensitive. The application of inappropriate paint removers or cleaning agents can damage stone. Acid-sensitive materials include, but are not limited to: limestone, marble, travertine, calcareous sandstones and shales; most polished stones; and glazed architectural terra cotta and brick. Non-acid sensitive materials include, but are not limited to: slate, granite, unglazed architectural terra cotta and unglazed brick. Alkali-sensitive materials include, but are not limited to: glazed brick, glazed terra cotta, some granites, Indiana limestone, and many types of sandstone. Strong acids and strong alkalis can damage glazed and polished surfaces.

Removal with Water and Detergent- Water cleaning utilizes the application of a gentle, low pressure, clean water spray. Water alone can sometimes remove paint. If the application of low-pressure water is not successful in removing the applied paint, a neutral non-ionic detergent may be used in conjunction with a water application. Any detergent being used should first be tested in a small inconspicuous area prior to widespread application. The pressure of water applied to a masonry surface should be carefully monitored (*see "Abrasive Removal"*). Inappropriate detergents can cause permanent staining and damage to substrates.

Removal using Poultices- Poultices are powdered materials (e.g. clay, paper, cellulose products, fuller's earth) that are mixed with water or a cleaning agent to form a paste that can be applied to a building surface. Poultices are often the most effective means of removing applied paint (signage) from masonry as they allow the cleaning solution to remain in place as long as possible, and draw out the staining material from the masonry. An experienced and qualified professional should apply poultices as improper application can sometimes draw out and redeposit stains on the opposite face of masonry surfaces. Any cleaning application should be tested in an inconspicuous area or on mock-ups prior to widespread application.

Removal utilizing Alkaline Compounds- Alkaline compounds are typically used in poultices in the form of liquids (reagents), applied to markings/stains on non-alkali sensitive masonry. The application of alkaline compounds should be followed by a weak acid wash and a water

wash in order to remove all of the remaining alkaline substance from the substrate in order to avoid burning or staining the historic fabric. The utilization of strong alkalis, with a pH 13-14, including sodium hydroxide-based paint removers, should be avoided as their application can result in efflorescence or staining of the surface of masonry if not fully neutralized after application and removal. Hydroxide paint removers, including potassium, can adversely react with ferrous elements found in certain stones (e.g. Indiana limestone) and cause subsequent staining. Masonry surfaces should be tested with non-staining pH strips after removals are completed in order to ensure that the substrate has been adequately neutralized.

Removal utilizing Bleaches- Certain alkali-based bleaches, calcium hypochlorite for example, are sometimes used in poultices. When stains are not easily removable, bleaching may reduce the appearance of a stain.

Organic Solvents and Paint Removers- Chemical cleaning may be utilized alone or in conjunction with a poultice. Organic solvents are sometimes used in the form of a paste or a gel that will hold the solvent in place. The use of acidic or alkaline chemicals for cleaning can cause damage to building materials as well as pose health, safety, and environmental risks. Any cleaning application should be applied by a qualified professional and tested in an inconspicuous area or on mock-ups prior to widespread application. "Off the shelf" graffiti removers should be avoided as their application in conjunction with scrubbing often results in the running or redistributing of a paint or stain on the surface of the historic fabric. Masonry surfaces should be tested with non-staining pH strips after removals are completed in order to ensure that the substrate has been adequately neutralized. Areas that are not being treated for the removal of applied paint (signage) should be appropriately masked and protected.

Abrasive Removal- Abrasive cleaning involves mechanically abrading a surface to remove staining. Traditional abrasive cleaning techniques, such as "sand-blasting" and high pressure water applications, are not suitable for cleaning historic buildings as older building materials can easily be damaged. Low or medium water pressure washing (100-400 psi) can damage historic masonry. An acceptable form of micro-abrasion (involving fine abrasive materials applied at pressures of 35-40 psi) used to mechanically remove markings from historic masonry should be carefully considered and implemented only by skilled workers under the direction of a building conservator or preservation professional. Abrasive cleaning should not be used on brick or glazed or polished surfaces.

Other Removal Methods- Removal methods such as laser cleaning have been recently developed. Experienced building conservators and/or preservation professionals should implement a removal program including a method such as laser cleaning.

Cleaning Considerations: Buildings are frequently composed of several different masonry materials. Each material must be determined, evaluated, and tested by an experienced conservation or preservation specialist prior to implementing a cleaning system.

A cleaning system appropriate for a specific masonry material may not be appropriate for adjacent masonry mortar joints. The removal of paint/stain on mortar joints should be avoided if possible.

Reducing the strength of the removal agent and/or the pressure applied for removing the paint/stain can minimize "clean spots" left on masonry.

Masonry surfaces should be tested with non-staining pH strips after removals are completed in order to ensure that the substrate has been adequately neutralized. Neutralizing a surface involves removing all chemical and/or cleaning agents from the fabric. A substrate that has not been neutralized can lead to subsequent damage of the historic fabric.

Applied Paint (Signage) to Significant Interior Historic Fabric: If paint (signage) is applied to significant interior fabric (e.g. murals, mosaics, decorative metals) an experienced architectural and/or art conservator should be consulted regarding any treatment or removal. It is possible to successfully remove applied overpaint from even the most decorative or fragile substrates.

Health, Safety, and Environmental Issues:

It is the responsibility of the Applicant to obtain all local, federal and state permits prior to the commencement of work and adhere to all local, state and federal laws with respect to the application and disposal of potential hazardous waste materials.

Sources:

AIC Ethics and Standards Committee. "AIC Code of Ethics and Guidelines for Practice." Revised August, 1994.

Grimmer, Anne E. "Dangers of Abrasive Cleaning to Historic Buildings." Preservation Brief Number 6. Washington, DC: National Park Service, 1979.

New York Landmarks Conservancy. *Historic Building Facades: The Manual for Maintenance and Rehabilitation*. New York: John Wiley & Sons, Inc., 1997.

Weaver, Martin E. "Removing Graffiti from Historic Masonry." Preservation Brief Number 38. Washington, DC: National Park Service, 1995.

Note: National Park Service Preservation Briefs, including those referenced in these performance standards, are available on the Internet; keyword Preservation Briefs.

APPENDIX C: HISTORIC PROPERTIES IN IMPACTED AREA

Within the boundaries of the Impacted Area, "historic properties" are all standing structures listed (NR) on or determined eligible for listing (NRE) in the National Register of Historic Places and National Historic Landmarks (NHL). Those properties that are also designated as landmarks (ICL) by the City of New York's Landmark Preservation Commission are so notated.

The Impacted Area or the area where there was the greatest amount of damage is the area bounded to the north by the south side of the centerline of Chambers Street, to the south by the north side of the centerline line of Rector Street, to the east by the west side of the centerline of Broadway, and by the Hudson River shoreline to the west. The following list does not include historic properties located outside these boundaries.

22 Barclay Street – St. Peter's Roman Catholic Church (06101.000084)	[NR, ICL]
16 Barclay Street – former St. Peter's School (06101.012230)	[NRE]
Broadway betw. Fulton & Vesey Sts. – St. Paul's Chapel (06101.000443)	[NHL, ICL]
Broadway at Wall St. – Trinity Church & Graveyard (06101.001779)	[NHL, ICL]
111 Broadway – Trinity Building (06101.006997)	[SR, NRE, ICL]
115 Broadway – United States Realty Building (06101.006998)	[NR, ICL]
195 Broadway – former American Telephone & Telegraph Building (AT&T) (aka Kalikow Building) Between Fulton and Dey Street (06101.008591)	[NRE]
217 Broadway – Astor Building (corner Vesey St.) (06101.012232)	[NRE]
225 Broadway – Transportation Building (corner Barclay Street) (06101.012233)	[NRE]
233 Broadway – Woolworth Building (06101.001790)	NHL, ICL]
256 Broadway – Home Life Insurance Company Building (06101. 012233) (betw. Murray & Warren Streets)	[NRE, ICL]
125 Cedar Street – Beard Building (aka 120 Liberty Street) (06101. 012234)	[NRE]
Chambers Street Station -- located at Chambers and West Broadway (06101.007644)	[NRE]
128 Chambers Street (corner West Broadway) (06101.012235)	[NRE]
160 Chambers Street – Former Engine Co. 29 Firehouse (06101.012266)	[NRE]

90 Church Street – US Post Office & Federal Office Building/Church St. Station (06101.001780)	[NR]
99 Church Street (between Park Place and Barclay Street) (06101.012236)	[NRE]
136 Church Street (aka 37 Warren Street) (06101.012237)	[NRE]
26 Cortlandt Street - former East River Savings Bank (present Century 21) (aka 25 Dey Street, aka 19 Church Street) (06101.008590)	[NRE]
Fulton Street Subway Station (under Fulton Street and Broadway) (06101.008593)	[NRE]
120 Greenwich Street (06101.012238)	[NRE]
114 Liberty Street (aka 119 Cedar Street) (06101.012239)	[NRE]
9-15 Murray Street (06101.012240)	[NRE]
75 Murray Street - former Hopkins Store (06101.001742)	[NR, ICL]
23 and 25 Park Place (aka 20 and 22 Murray Street) (06101.012254; 06101.012255)	[NRE]
53 Park Place – former Dodge Building (06101.012241)	[NRE]
2 Rector Street – former Electric Bond & Share Company Building (present Wall Street Plaza West) (06101.012242)	[NRE]
74 Trinity Place (aka 109 Greenwich Street) (06101.012244)	[NRE]
86 Trinity Place – American Stock Exchange (aka 78-86 Trinity Place) (06101.000610)	[NRE]
14 Vesey Street – New York County Lawyers' Association (06101.000036)	[NR, ICL]
20 Vesey Street – Old NY Evening Post Bldg (aka Garrison Bldg) (06101.000640)	[NR, ICL]
30 Vesey Street (corner Church Street) (06101.012244)	[NRE]
Wall Street Subway Station (under Broadway & Wall Street) (06101.008198)	[NRE]
11 Warren Street (06101.012245)	[NRE]
Tribeca South Historic District Extension (connects with National Register eligible Tribeca South Historic District).	[NRE]
41-43 Warren Street (06101.012256)	
45-47 Warren Street (06101.012257)	
49 Warren Street (06101.012258)	

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50 Warren Street (aka 120 Chambers Street) (06101.012259)
51 Warren Street (06101.012260)
52 Warren Street (06101.012261)
53 Warren Street (06101.012262)
54 Warren Street (aka 124 Chambers Street) (06101.012263)
55 Warren Street (06101.012264)
56 Warren Street (06101.012265)

103 Washington Ave. - former St. George's Syrian Roman Catholic Church
(present Moran's Inn) (06101.001534)

[NRE]

110 Washington Street - New York Evening Post Building
(aka 75 West Street) (06101.001322)

[NRE]

123 Washington Street - Deutsche Bank (06101.012246)

NRE]

90 West Street - West Street Building
(aka 136-140 Cedar Street; aka 21-25 Albany Street) (06101.001323)

[NRE, ICL]

140 West Street - Barclay-Vesey Building (New York Telephone)
(aka 140-147 West Street) (06101.001324)

[NRE, ICL]