

Building The 9/11 Museum

TH303

Thursday, June 21, 2018, 8:45 AM – 9:45 AM

Learning Units = 1:00

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Questions related to specific products and services may be addressed at the conclusion of this presentation.

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National September 11 Memorial Museum

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- Alice Greenwald, Director, Memorial Museum
- Lou Mendes, Executive Vice President, Facilities, Design & Construction
- Edward Sidor, Senior Director of Design & Construction

Speakers List

- Carl Krebs, FAIA – Partner, Davis Brody Bond, LLP
- Steven Davis, FAIA – Partner, Davis Brody Bond, LLP
- Mark Wagner, AIA – Associate Partner, Davis Brody Bond, LLP

Course / Learning Objectives

- Understand the Section 106 Process for access to and preservation of historic resources.
- Identify means by which in-situ historic artifacts are stabilized, recorded and protected during a design and construction process.
- Define a public input and review process for a sensitive design challenge.
- Explore means of integration of exhibit content and architectural design.

THE 9/11 MEMORIAL MUSEUM

Memory,
Authenticity,
Scale,
& Emotion

Davis Brody Bond



HISTORY & CONTEXT



**PRE
CONSTRUCTION
1960s**



**SUPERBLOCK
CONSTRUCTION**



**PRE
CONSTRUCTION
1960s**



**TWIN
TOWERS**



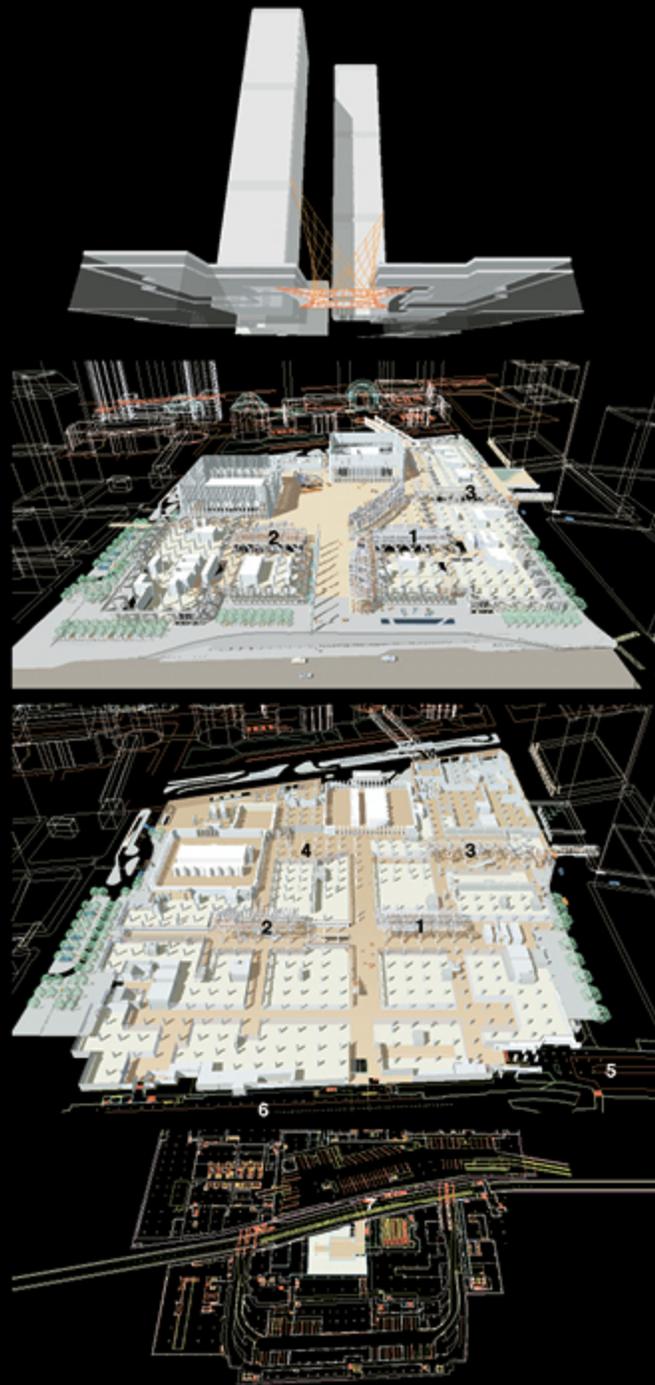
**COMPLETED
1971**

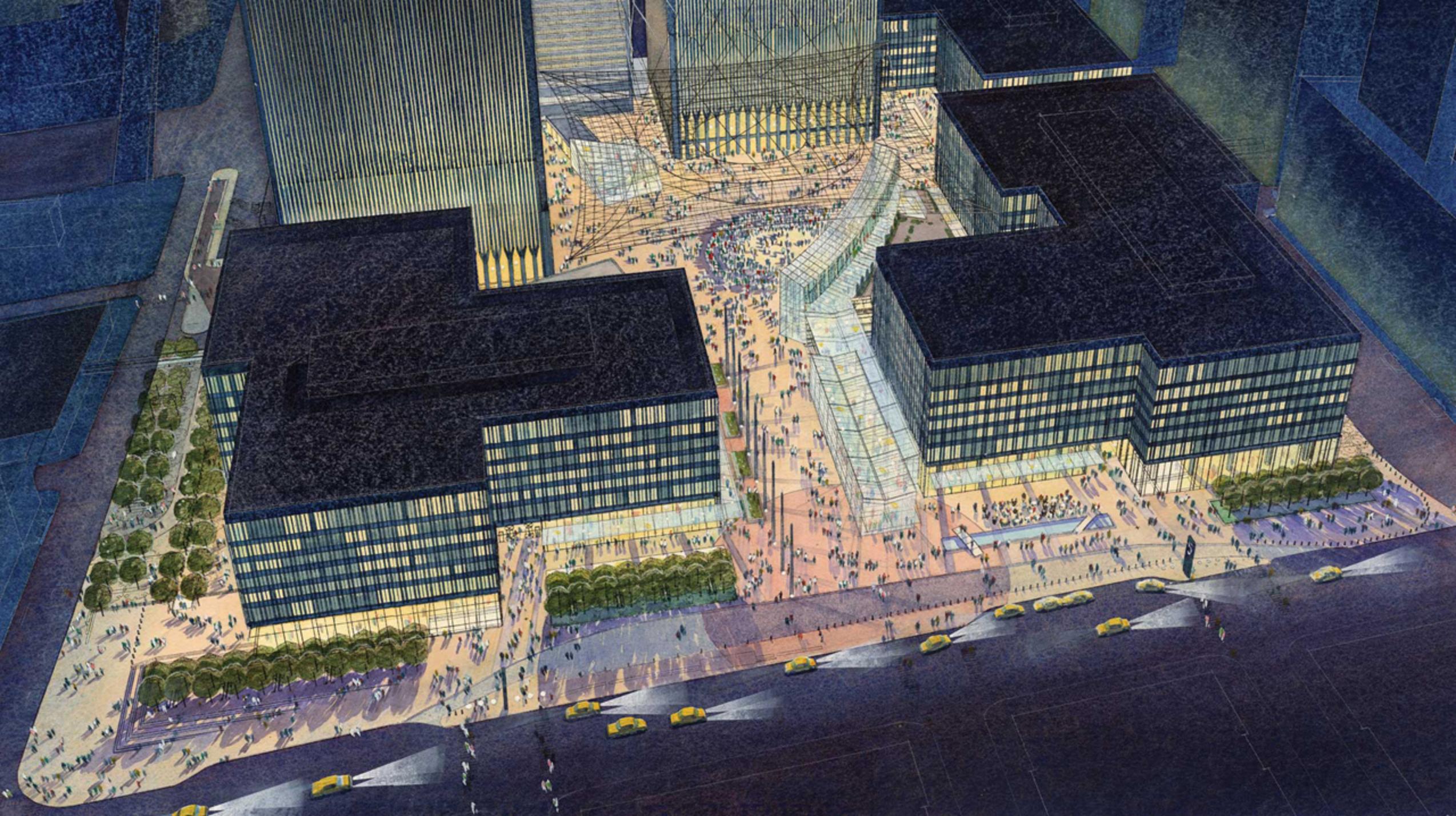


1974



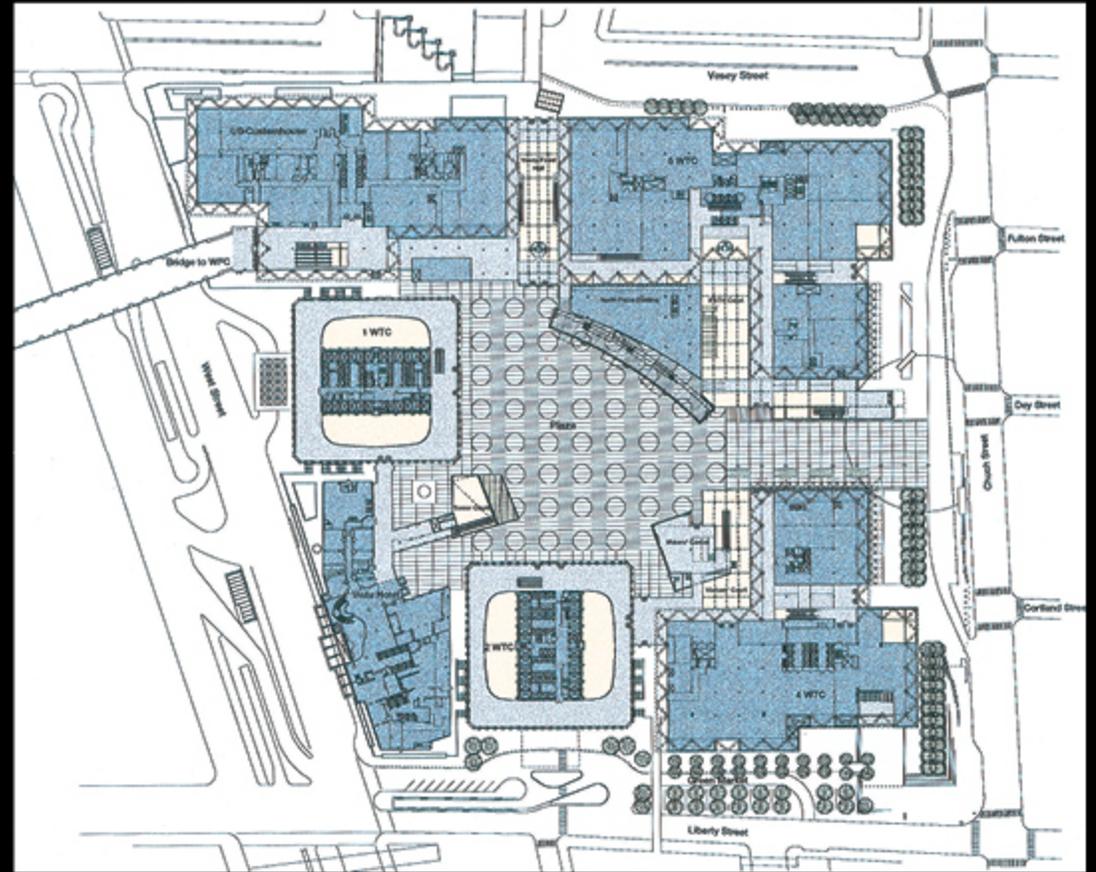
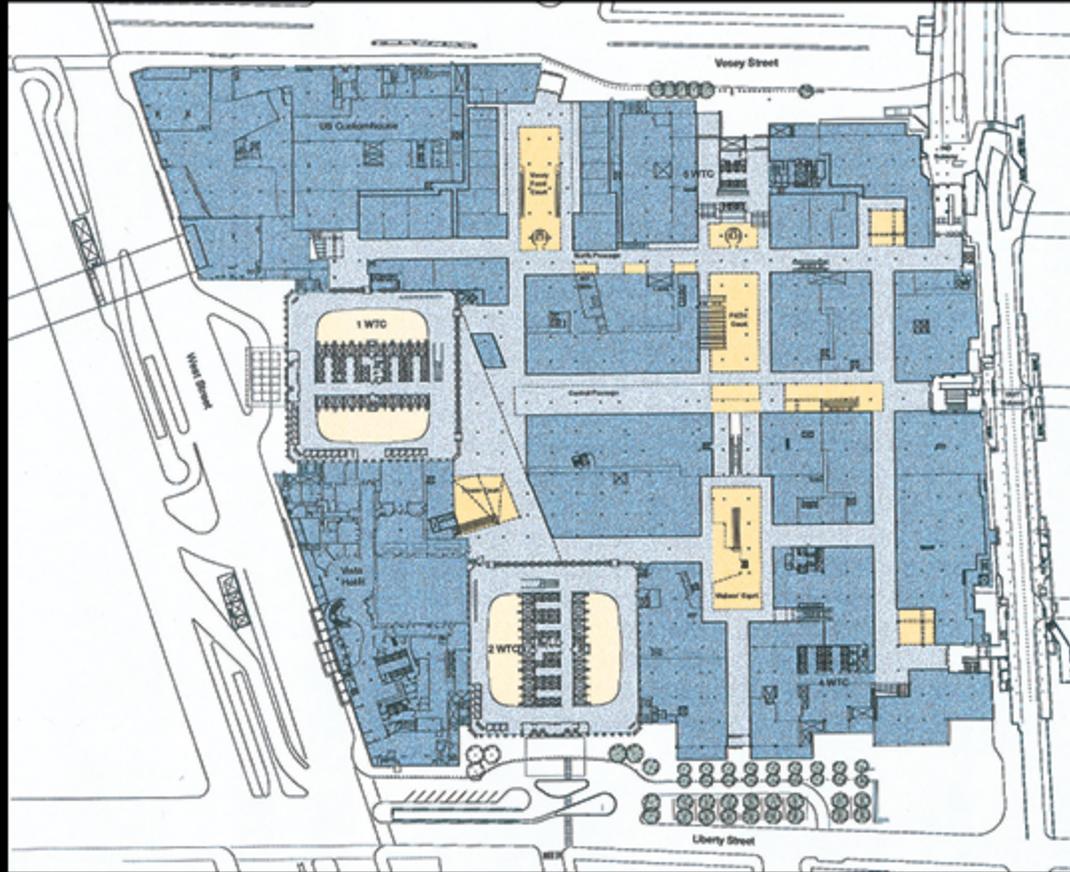
**MASTER PLAN:
PODIUM
&
CONCOURSE**



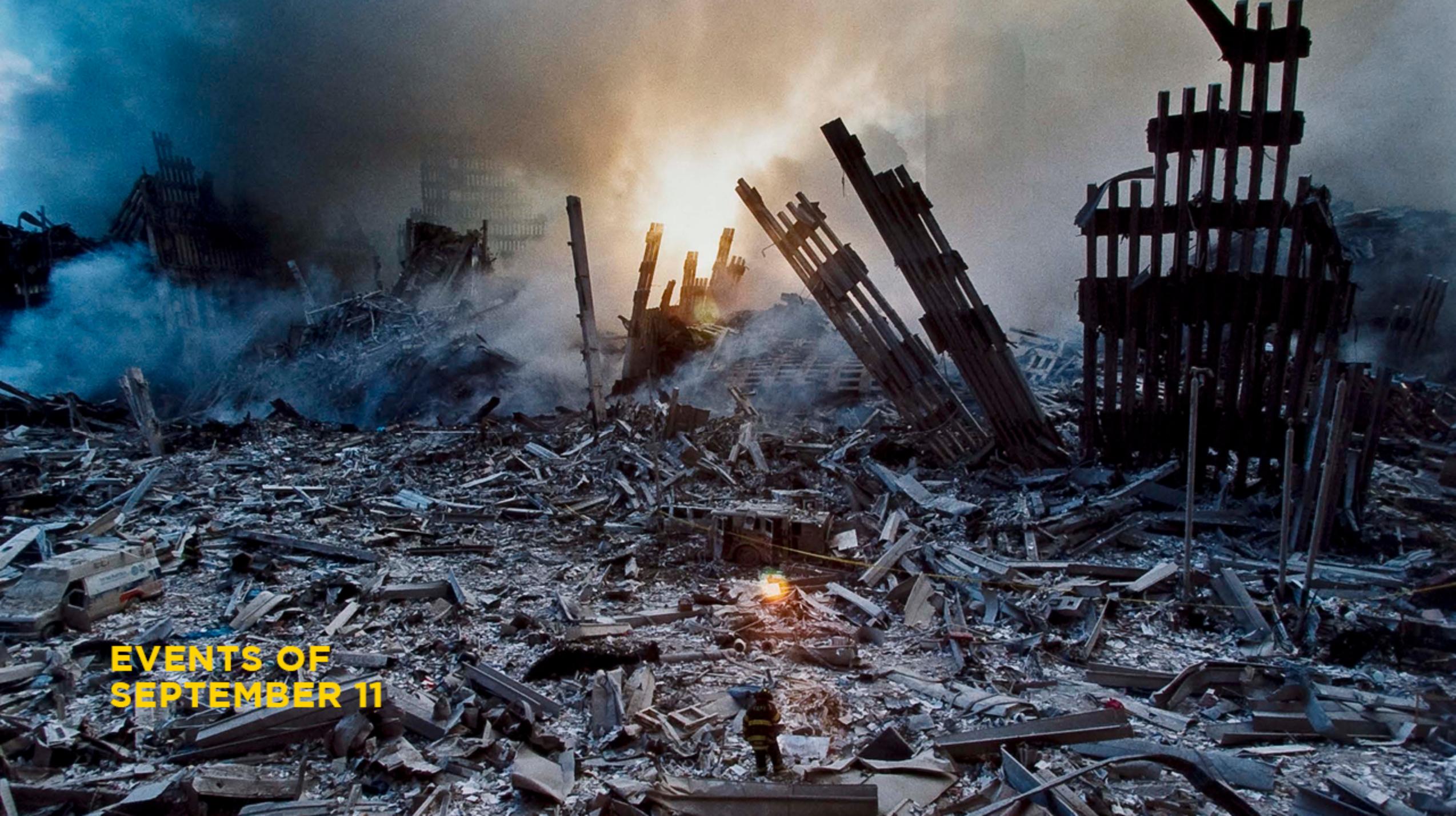




**1993
BOMBING**



REVISITED MASTER PLAN



**EVENTS OF
SEPTEMBER 11**

**PERIOD OF
RECOVERY
2001-2002**



**PERIOD OF
RECOVERY
2001-2002**





POST-RECOVERY SITE



HANGER 17



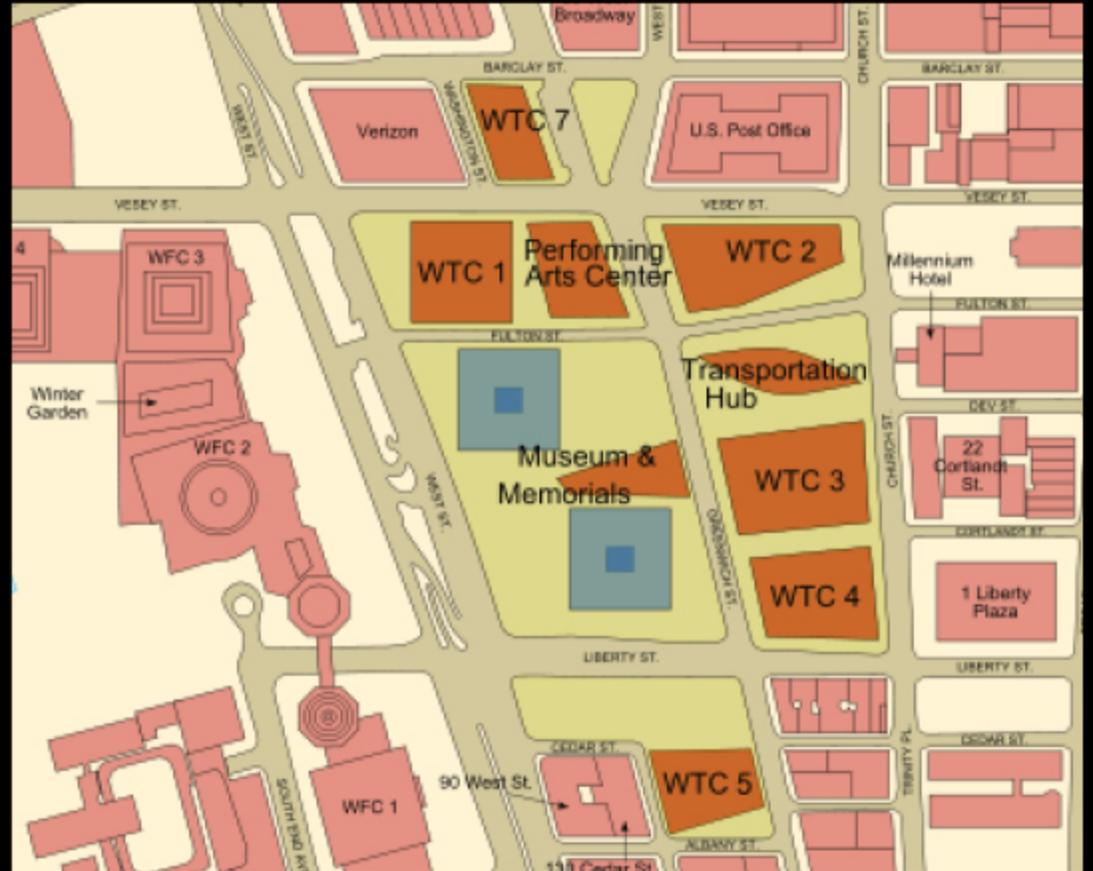
HANGER 17

FV21

8



HANGER 17



MASTER PLANNING 2002-2004



MEMORIAL & MUSEUM

"The mission of the 9/11 Memorial Museum, located at the World Trade Center site, is to bear solemn witness to the terrorist attacks of September 11, 2001 and February 26, 1993. The Museum **honors the nearly 3,000 victims** of these attacks **and all those who risked their lives to save others.** It further recognizes the thousands who survived and all who demonstrated extraordinary compassion in the aftermath. Demonstrating the consequences of terrorism on individual lives and its impact on communities at the local, national, and international levels, the Museum **attests to the triumph of human dignity** over human depravity and affirms an unwavering commitment to **the fundamental value of human life."**

**DAVIS BRODY BOND
SELECTION**

CONCEPTUAL BASIS OF DESIGN



**CONTEXT OF
MUSEUM DESIGN:
MEMORY,
AUTHENTICITY,
SCALE,
AND EMOTION.**

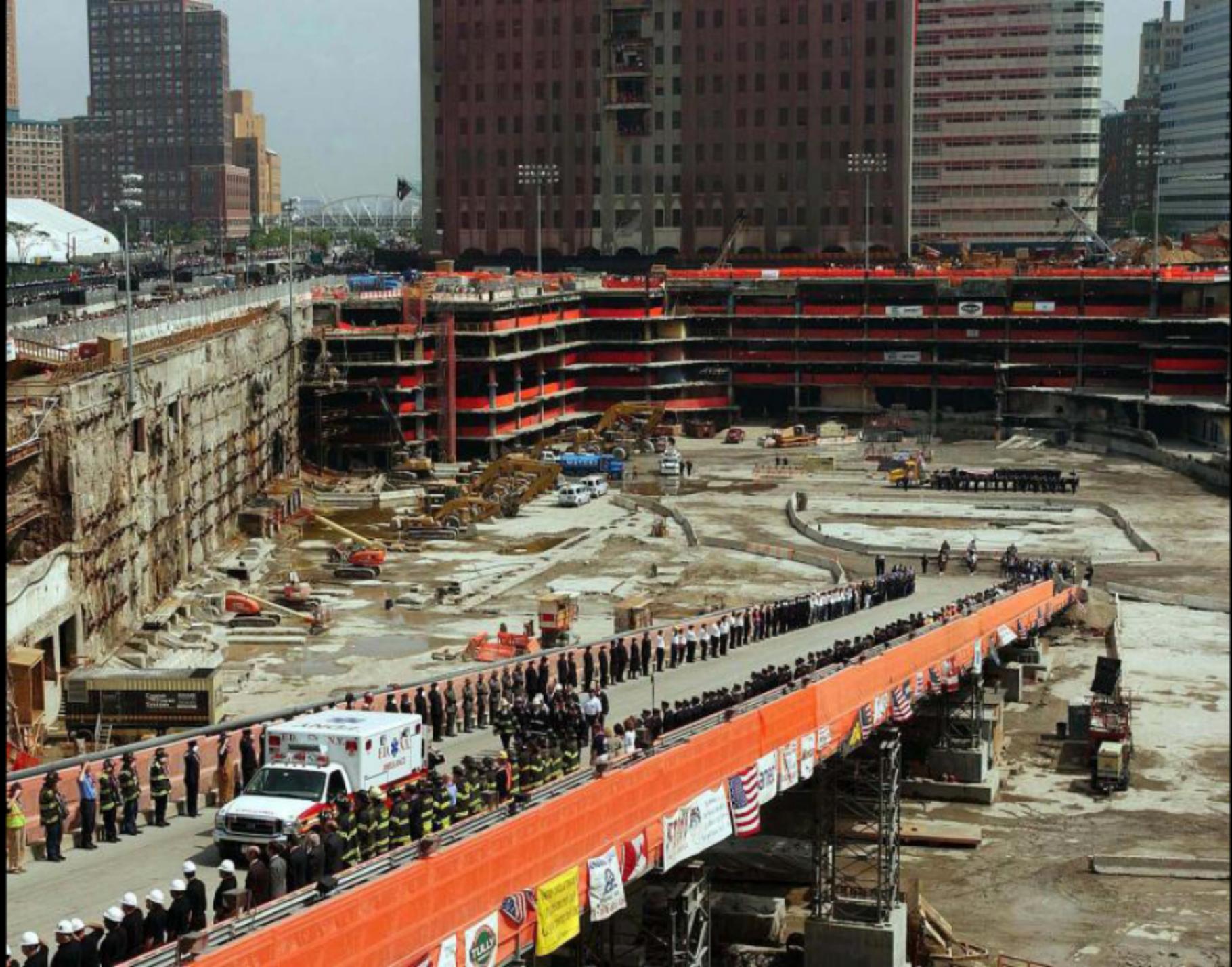




WHERE WE STARTED



MEMORY







SIMON NORFOLK

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC



FRANCESC TORRES
2007

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC



DREX BROOKS
1990

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC



DEJAN VEKIĆ
1992-95

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC



TOM BLOCH
2002

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC

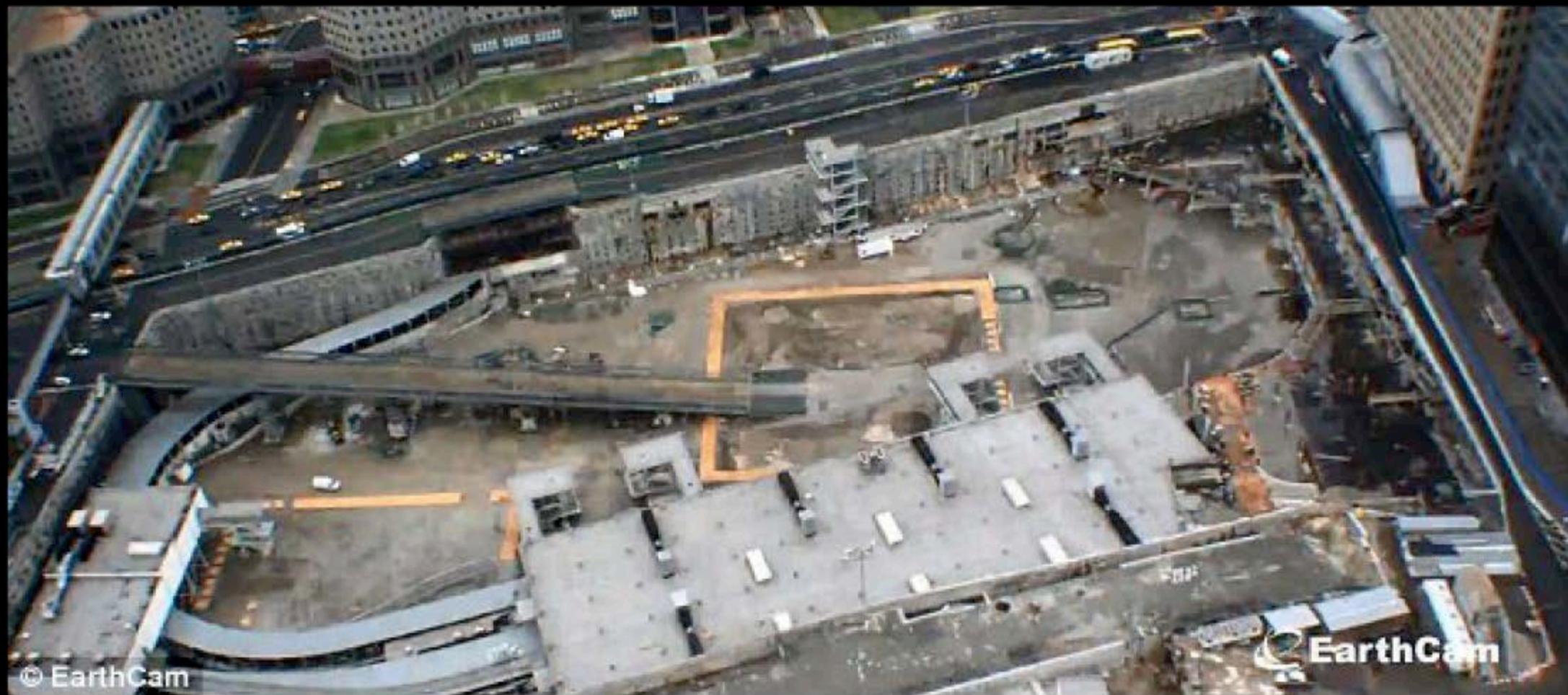


**TOM BLOCH
2002**

On loan to the Illinois Holocaust Museum, courtesy of Theodora's Art Group LLC



MEMORY



AUTHENTICITY





SCALE



EMOTION







WITNESS

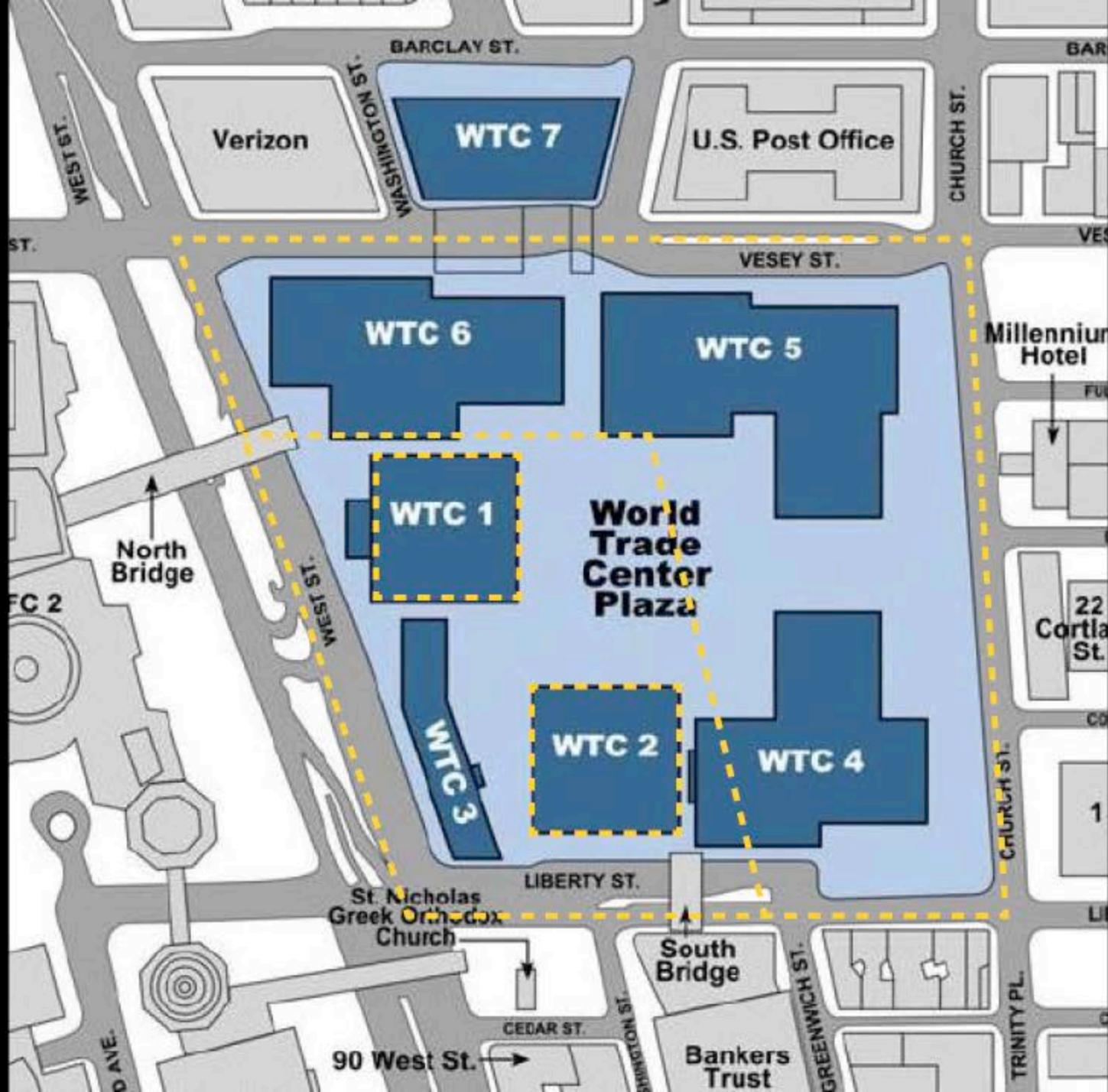


DESCENT



VOID

CONTEXT

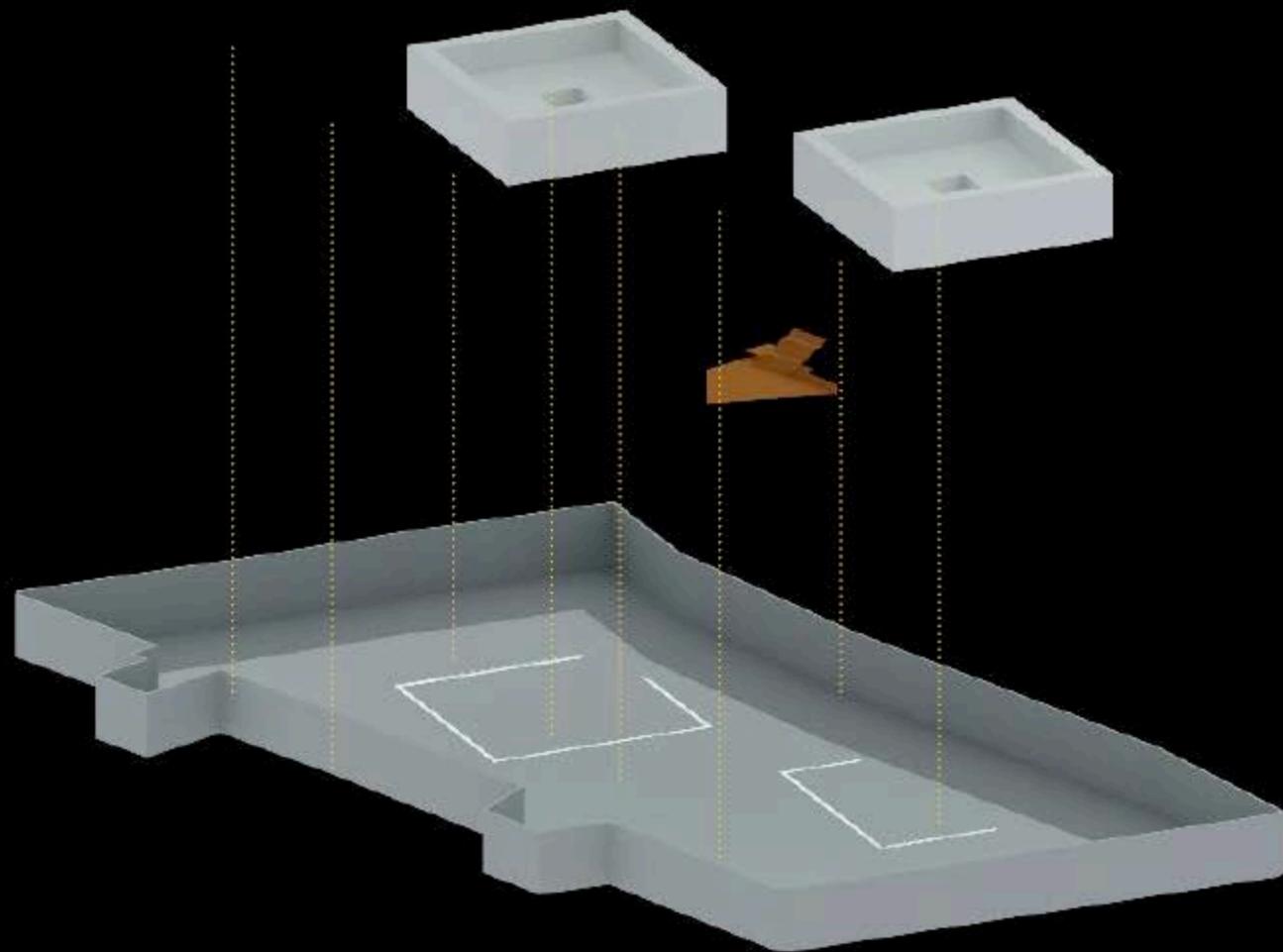


CONTEXT

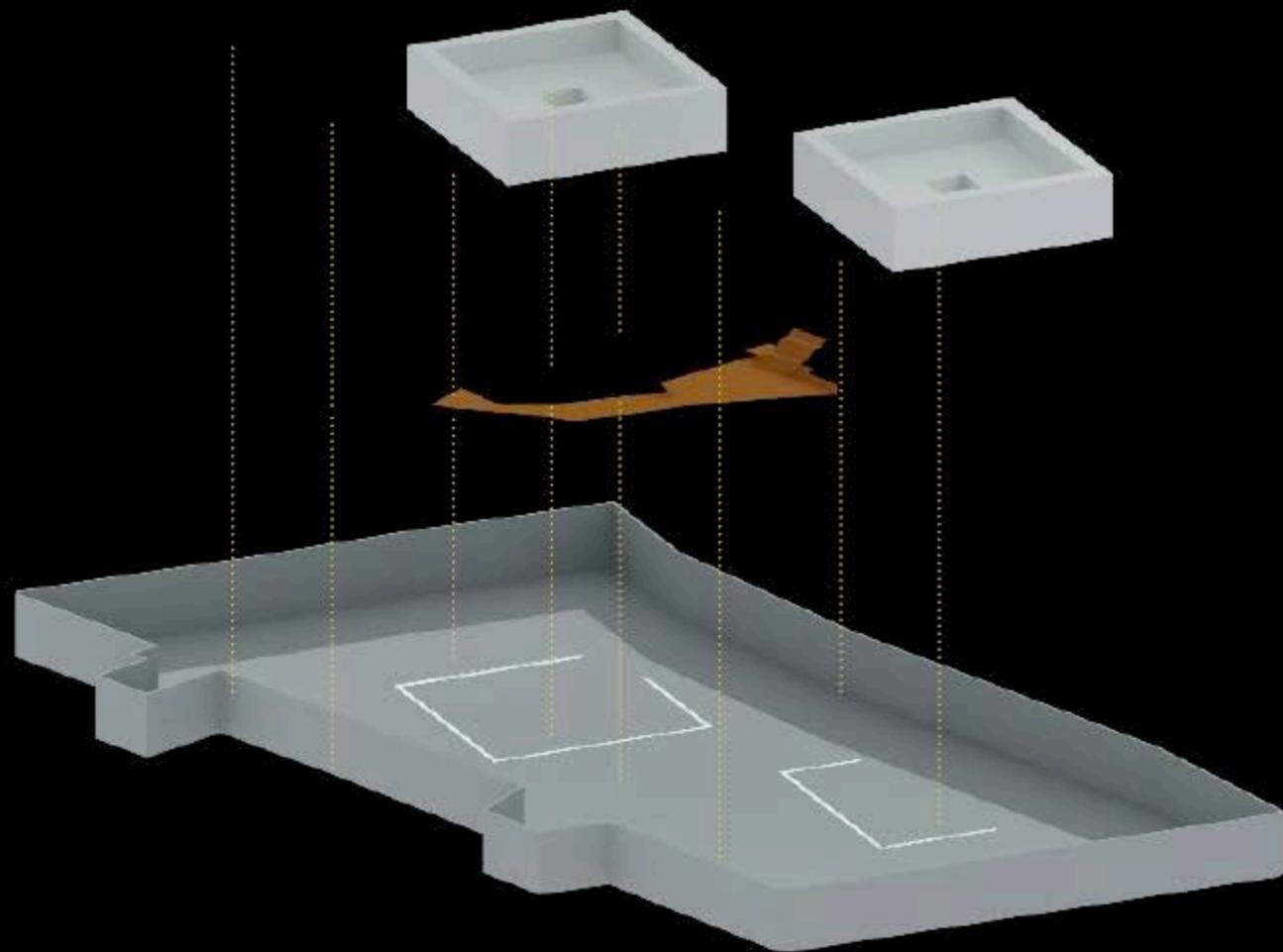


**AUTHENTIC
SITE**





MEMORIAL POOLS
TOWER VOLUMES



DESCENT RAMP
RIBBON

**North Tower
Volumes**

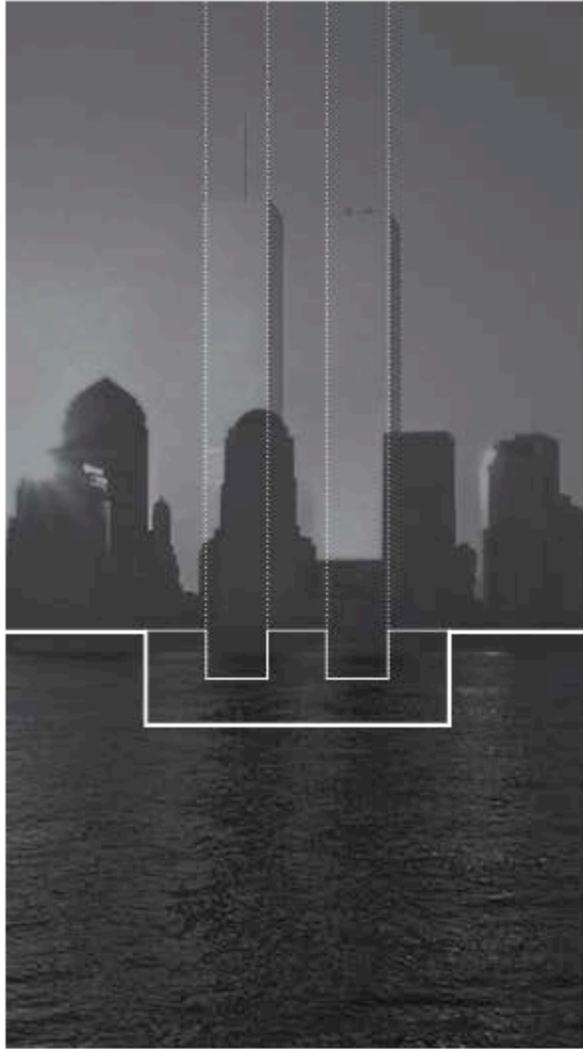
**South Tower
Volumes**

**Memorial
Plaza Level**

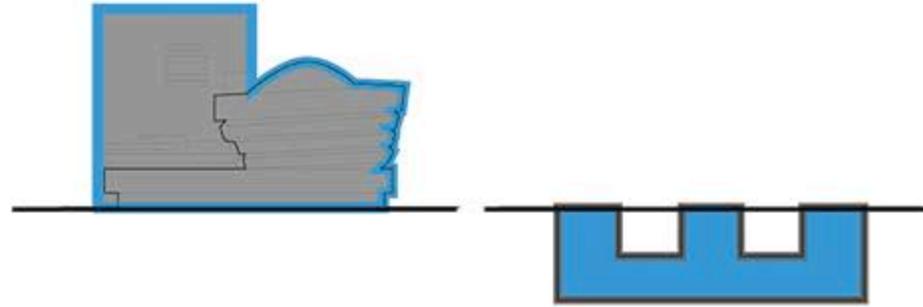
**Bedrock
Level -70'**

**Slurry
Wall**



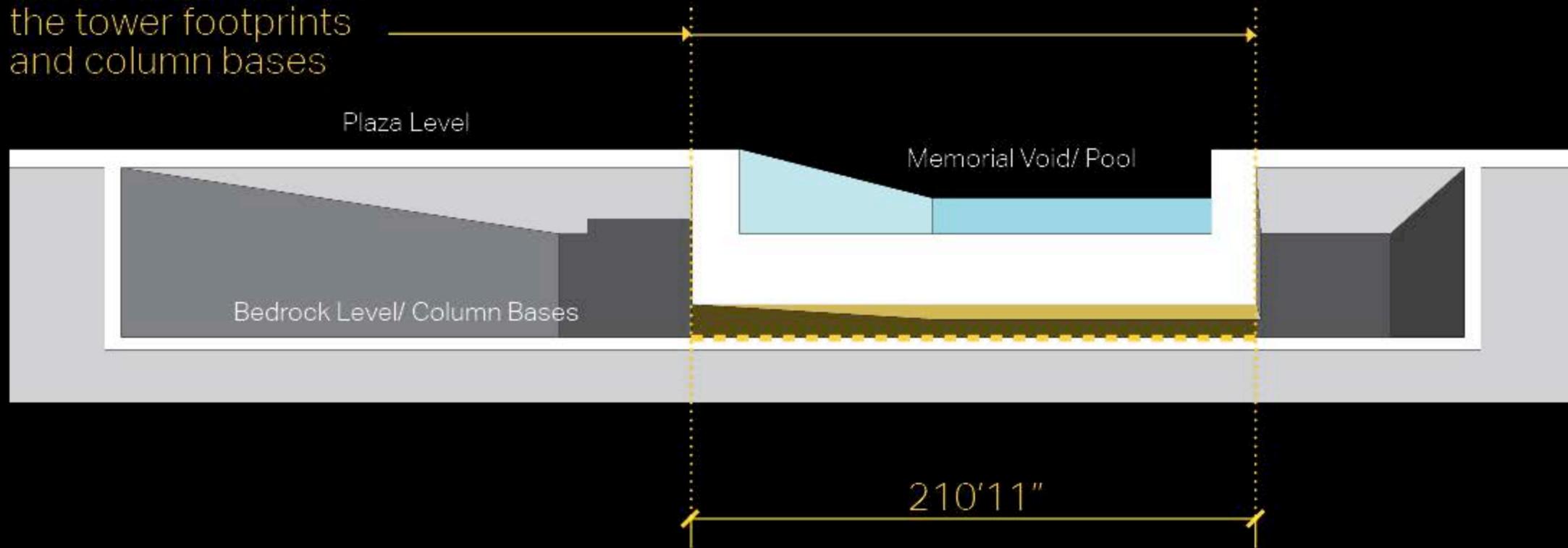


Unlike a typical museum,
where the icon contains exhibits,



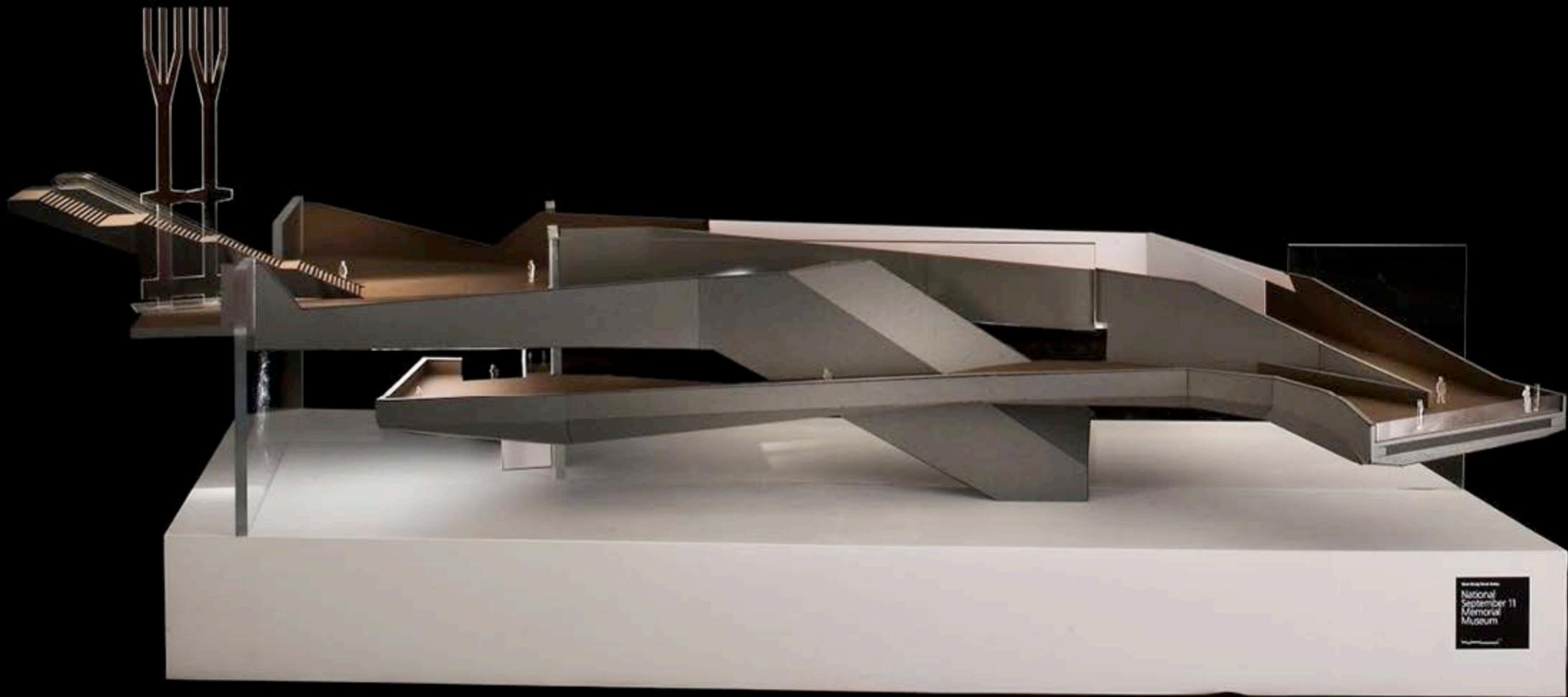
the 9/11 Memorial Museum is the
inverse; **the exhibit is the icon.**

Alignment of the
Tower Volumes with
the tower footprints
and column bases



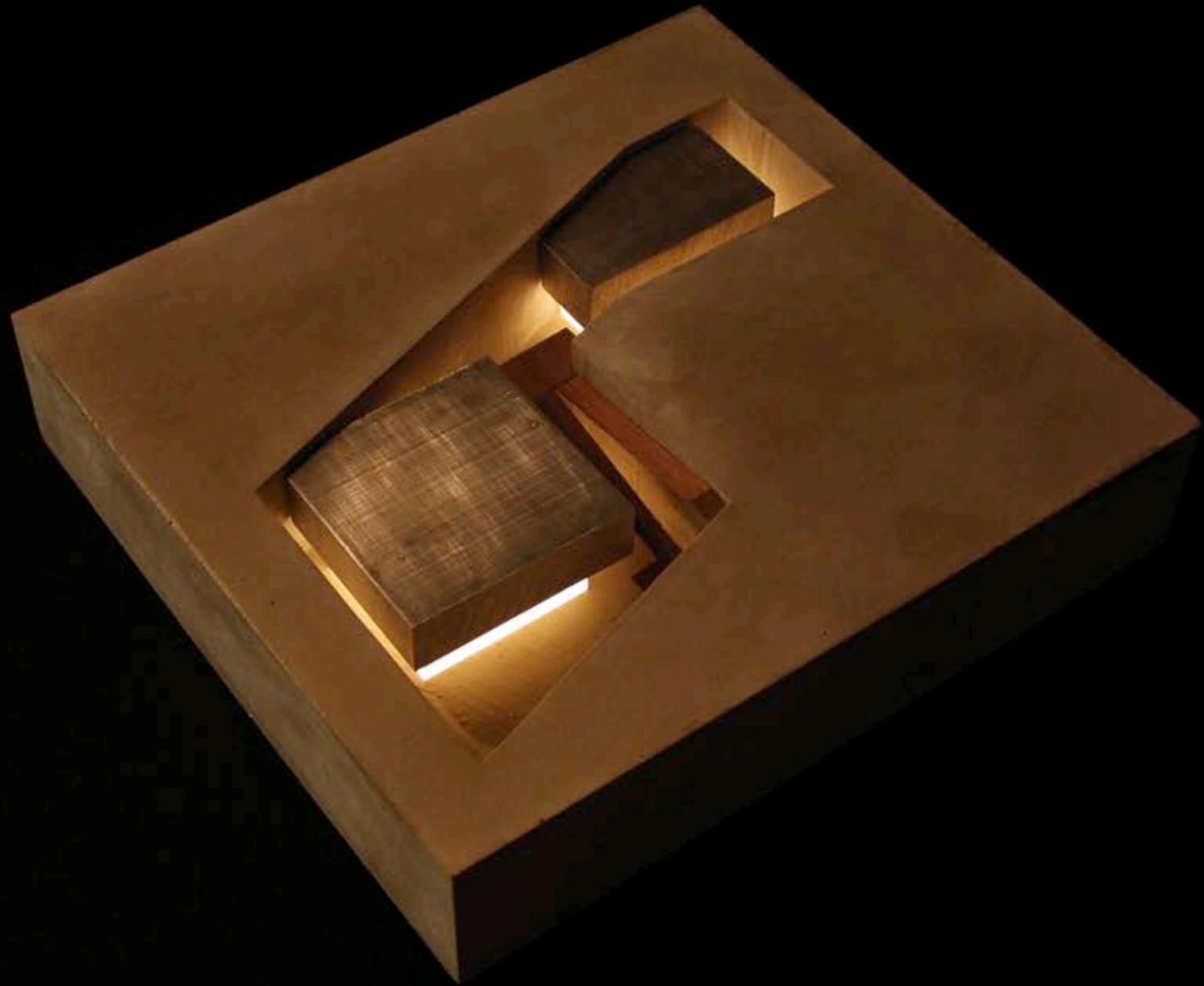
**TOWER
VOLUMES**

Original Tower Dimension
= 210'11" x 210'11"



National
September 11
Memorial
Museum

RIBBON



SECTION 106 PROCESS





**RECOVERED
ARTIFACTS**



**RECOVERED
ARTIFACTS**



**RECOVERED
ARTIFACTS**



**RECOVERED
ARTIFACTS**

- National Historic Preservation Act of 1966 (NHPA).
- Requires Federal agencies to take into account the effects of their undertakings on historic properties.
- The historic preservation review process mandated by Section 106 is outlined in regulations issued by the *Advisory Council on Historic Preservation (ACHP)*.

SECTION 106 *WHAT IS IT?*

- The appropriate Federal agency determines whether it has an undertaking that could affect historic properties.
- Historic properties are properties that are included in or that meet the criteria for the National Register of Historic Places.
- If Yes, it must identify the appropriate State Historic Preservation Officer/Tribal Historic Preservation Officer * (SHPO/THPO*) to consult with during the process.
- It should also plan to involve the public, and identify other potential consulting parties.

SECTION 106 PROCESS

Criteria for evaluation. The quality of significance in American history, present in sites,

- (a) ...associated with events that have made a significant contribution to our history,
- (b) that are associated with the lives of persons significant in our past, or
- (c) that possess high artistic values, or that represent a significant and distinguishable entity whose components may have yielded, or may be likely to yield, information important in prehistory or history.

Criteria for consideration.

- (f) A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance;

- (a) A birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his productive life.
- (b) A cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or
- (c) A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or
- (d) A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or
- (e) A property achieving significance within the past 50 years if it is of exceptional importance. [This exception is described further in NPS's "How To" booklet No. 2, entitled "How to Evaluate and Nominate Potential National Register Properties that Have Achieved Significance Within the Last 50 Years," available from NPS.]

SECTION 106 CRITERIA

10 Historic Preservation Groups

NYC Landmarks Preservation Commission
National Trust for Historic Preservation
NY SHPO
Municipal Art Society
New York Landmarks Conservancy

10 Planning Advisory Groups

American Planning Association NY Chapter
American Institute of Architects NY Chapter
NYC Department of City Planning
Regional Plan Association
NYS Department of Transportation

15 Neighborhood Associations and Institutions

Hudson River Park Trust
Battery Park City Authority
Battery Park City United
WTC Residents Coalition
Lower Manhattan Cultural Council
St Peter's Church
Pace University

8 Governments Representatives

NY Mayor's Office
NY Governor's Office
US Senator Corzine
US Representative Maloney and Nadler
City Councilman Gerson
State Assembly Speaker Silver
State Senator Connor
Port Authority of NY and NJ

10 Family and Survivor Groups

9/11 Widows and Victims Family Association
WTC Families for a Proper Burial
Voices of September 11th
Coalition of 9/11 Families
Cantor Fitzgerald Relief Fund
Families of September 11th

SECTION 106 CONSULTING PARTIES



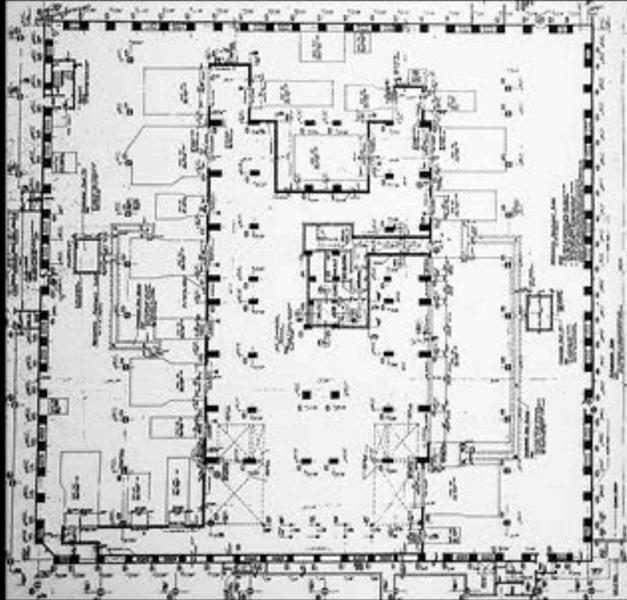
Slurry Wall



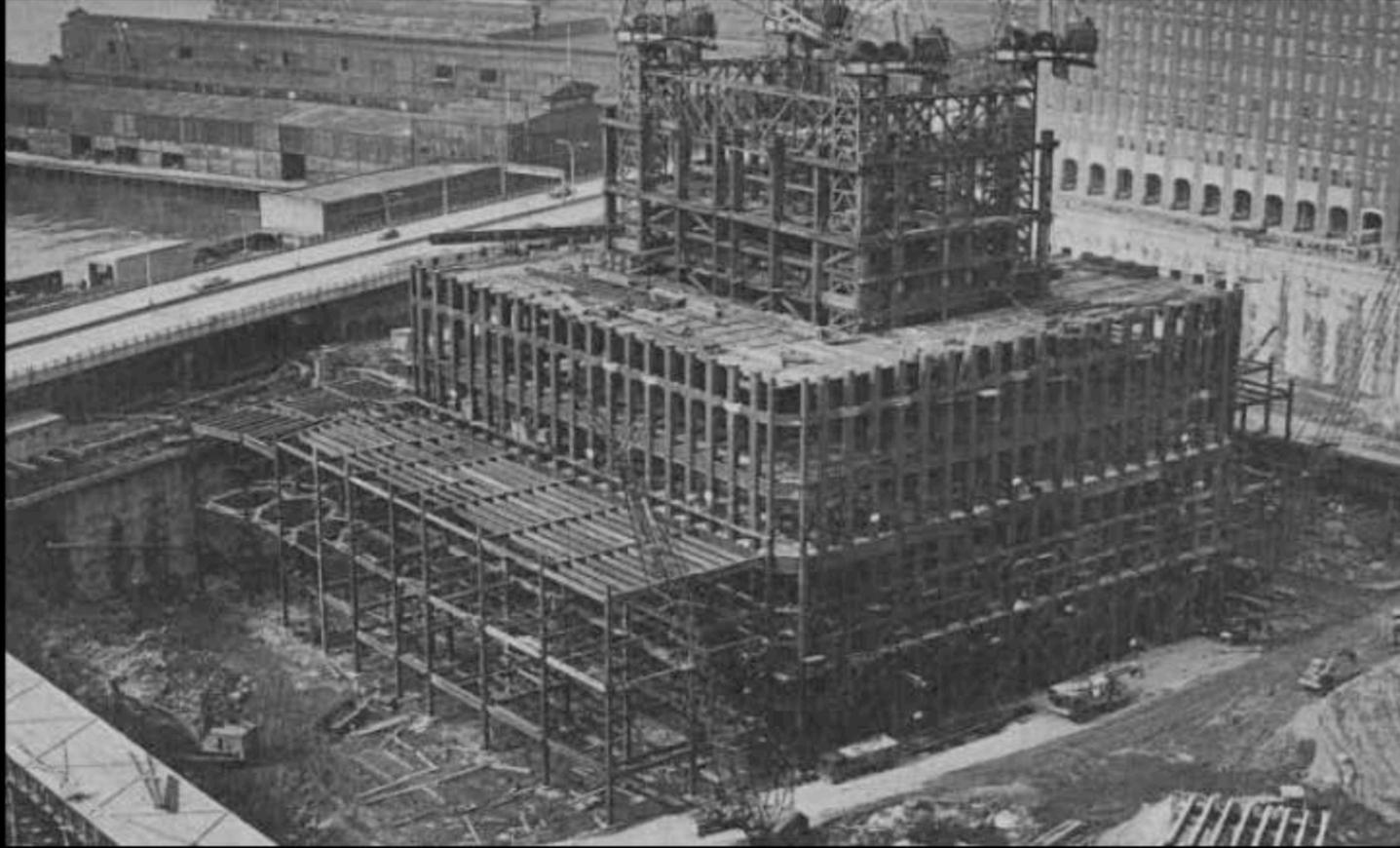
Column Footprints



Survivors' Stair



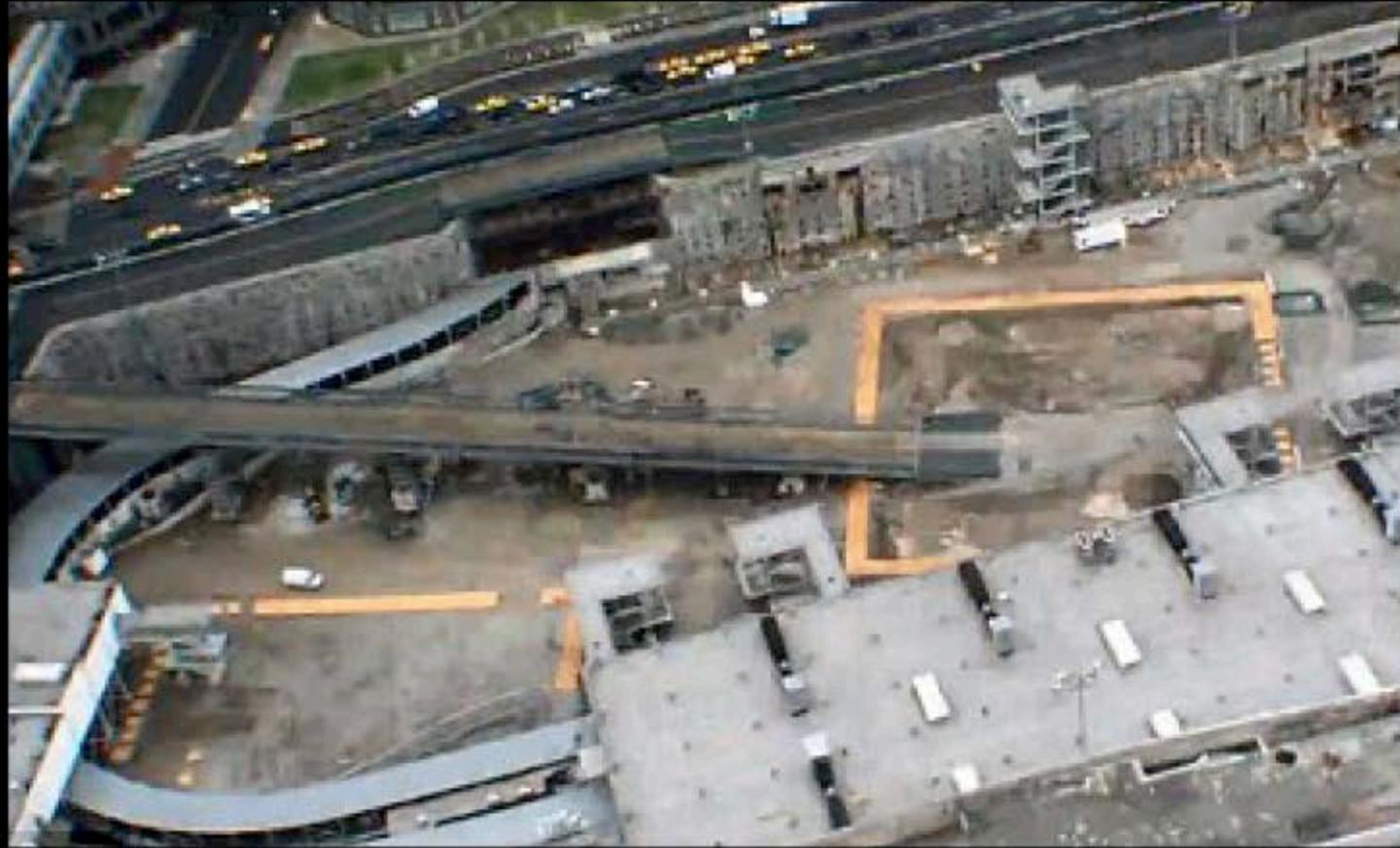
BOX COLUMNS



TOWER STRUCTURAL SYSTEM

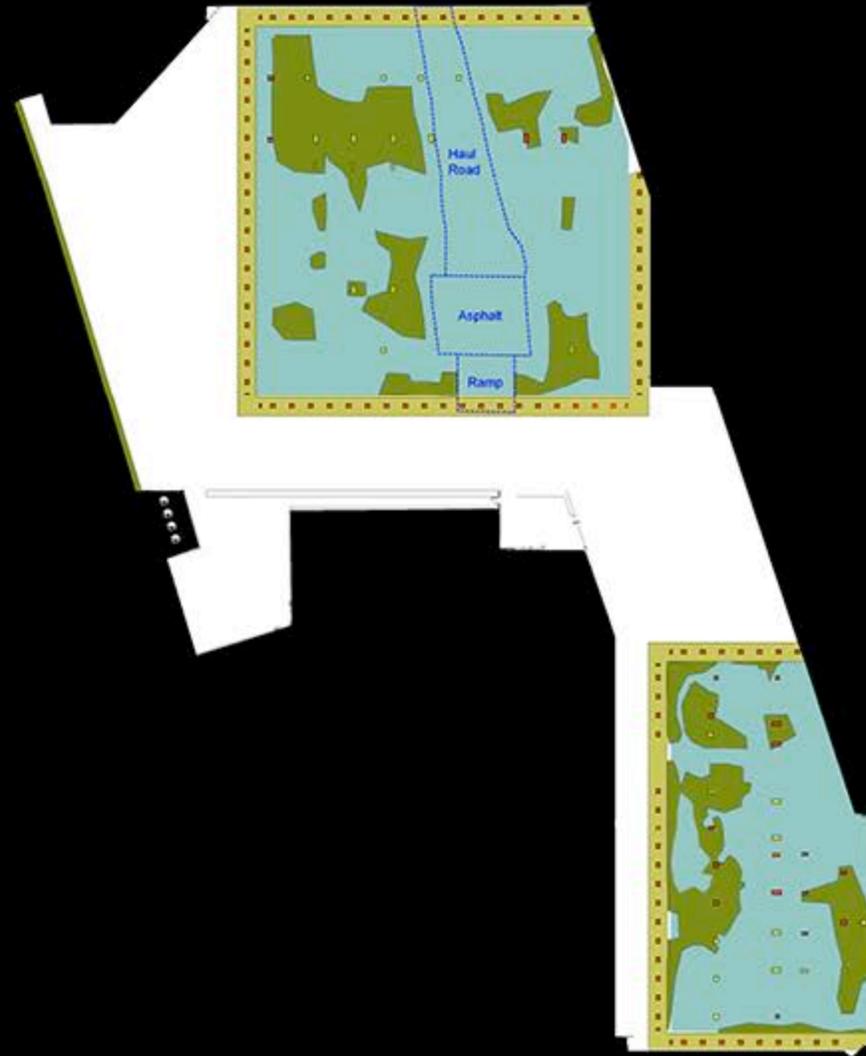


SACRED FOOTPRINTS



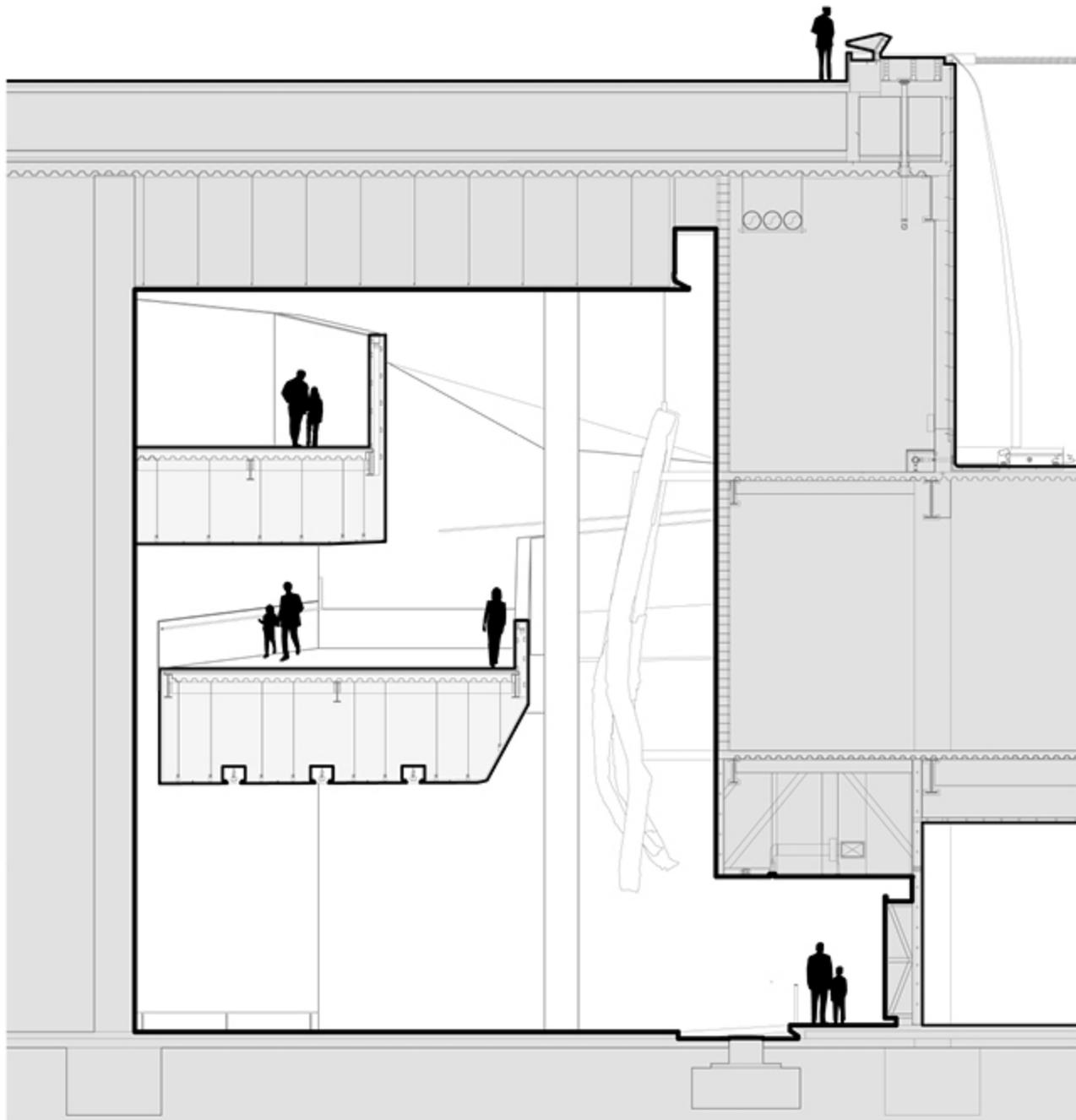
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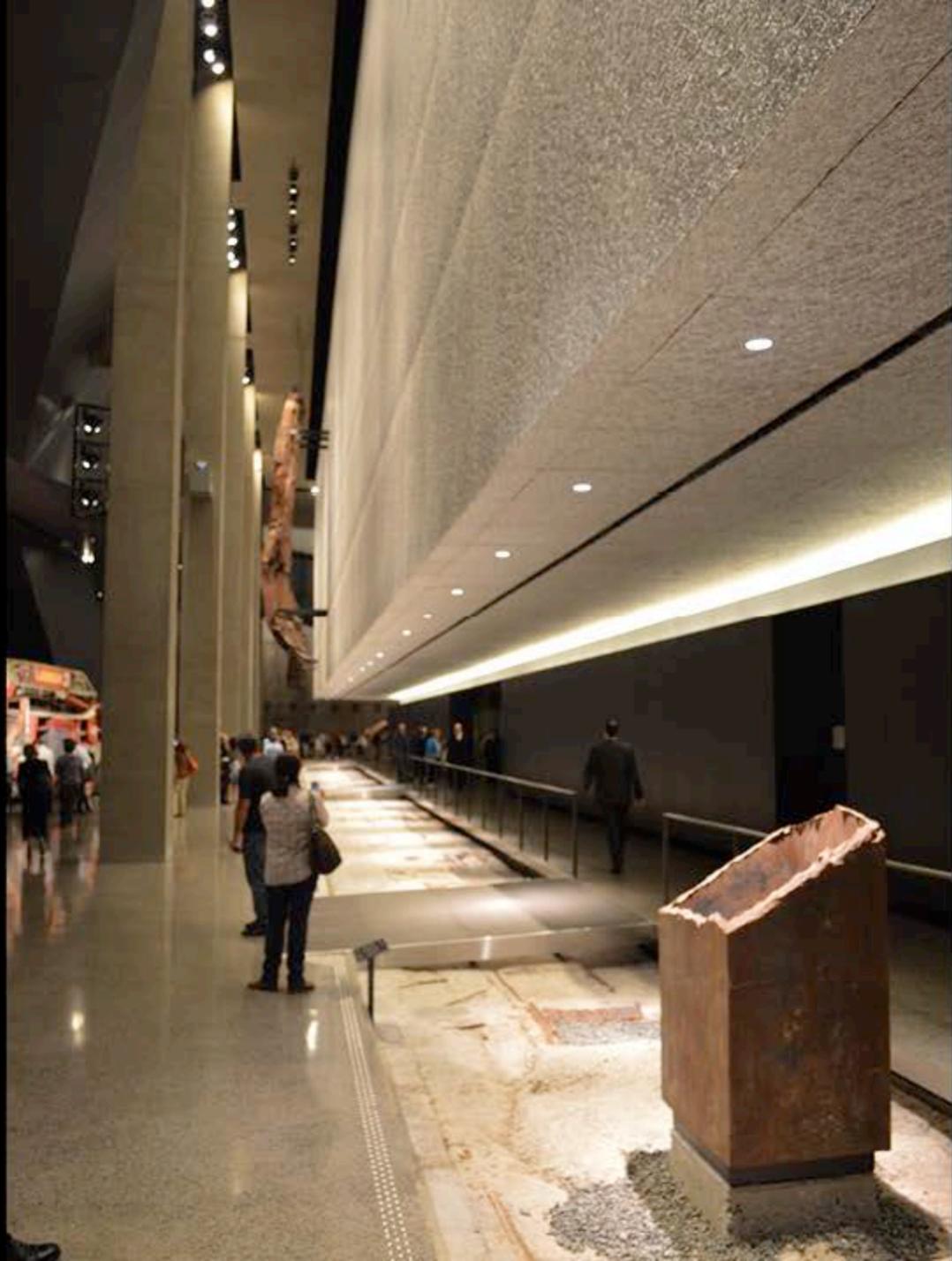
**SURVIVING
FOUNDATION
& SLAB**

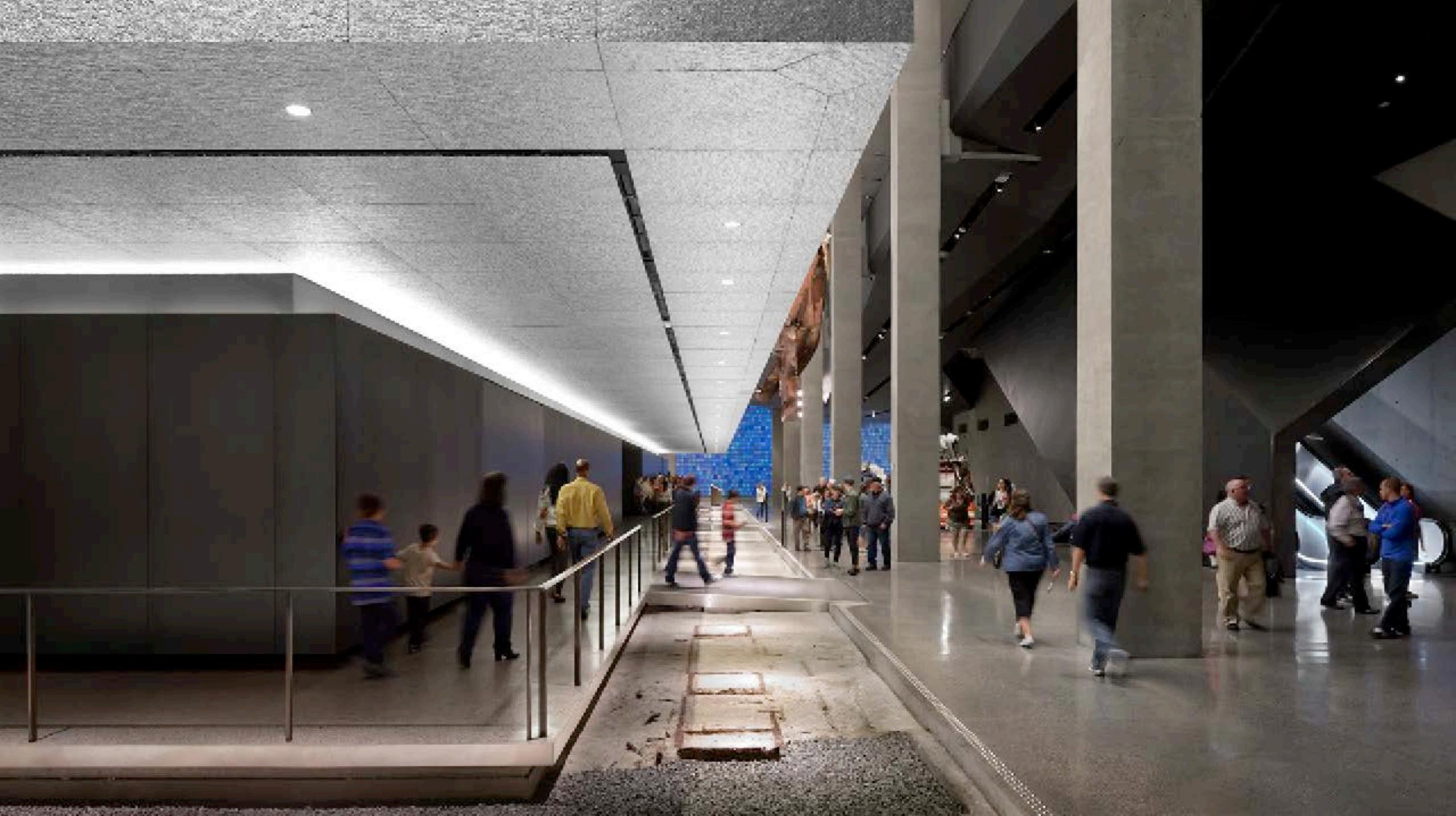








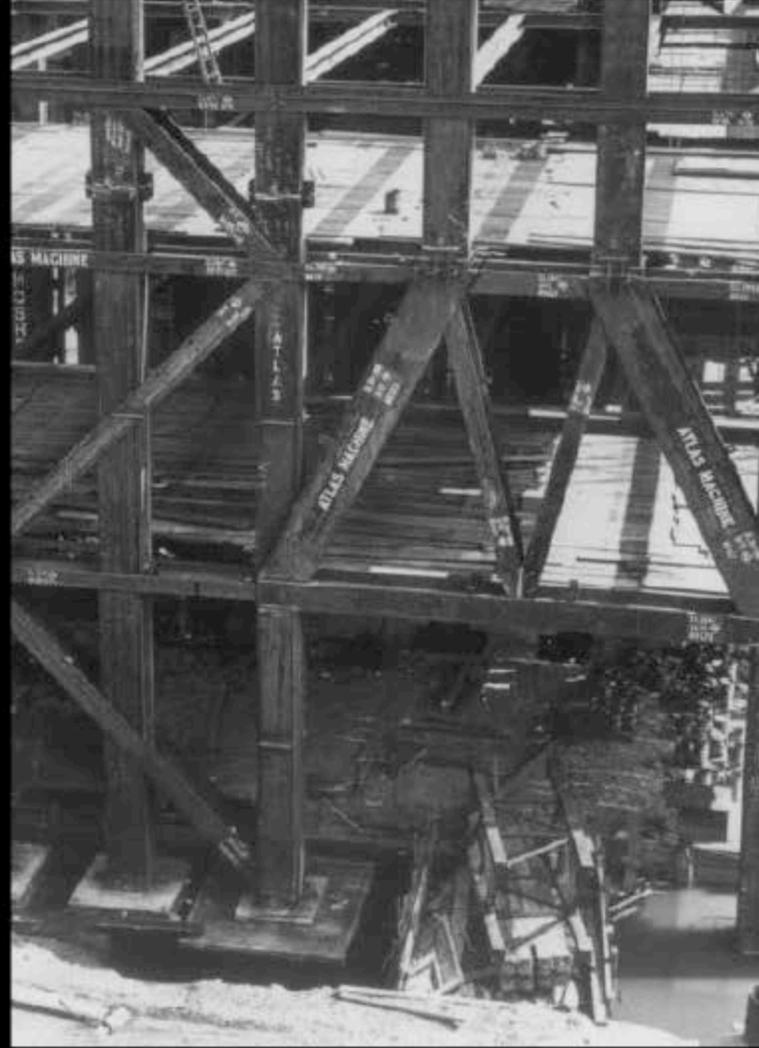






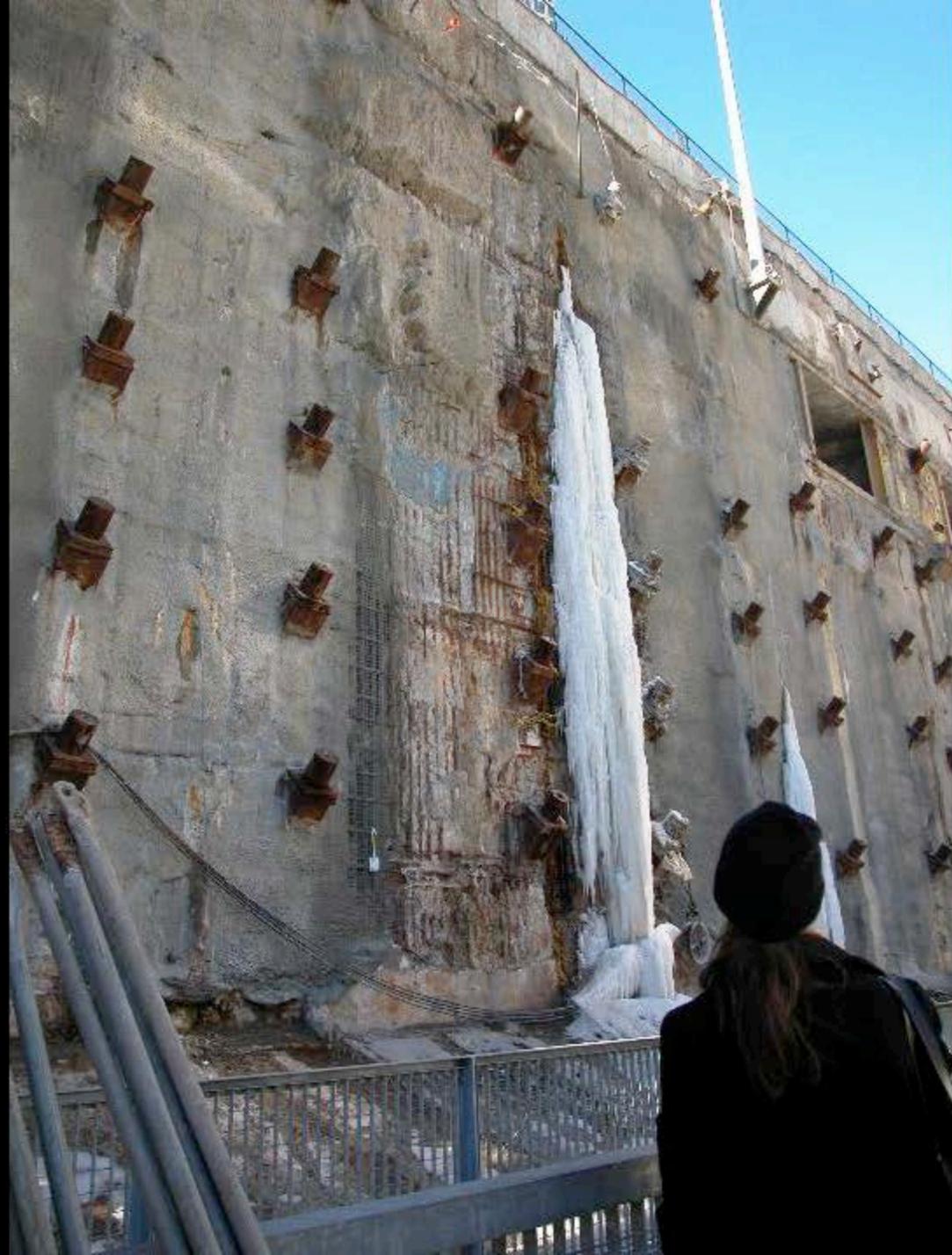








SLURRY WALL

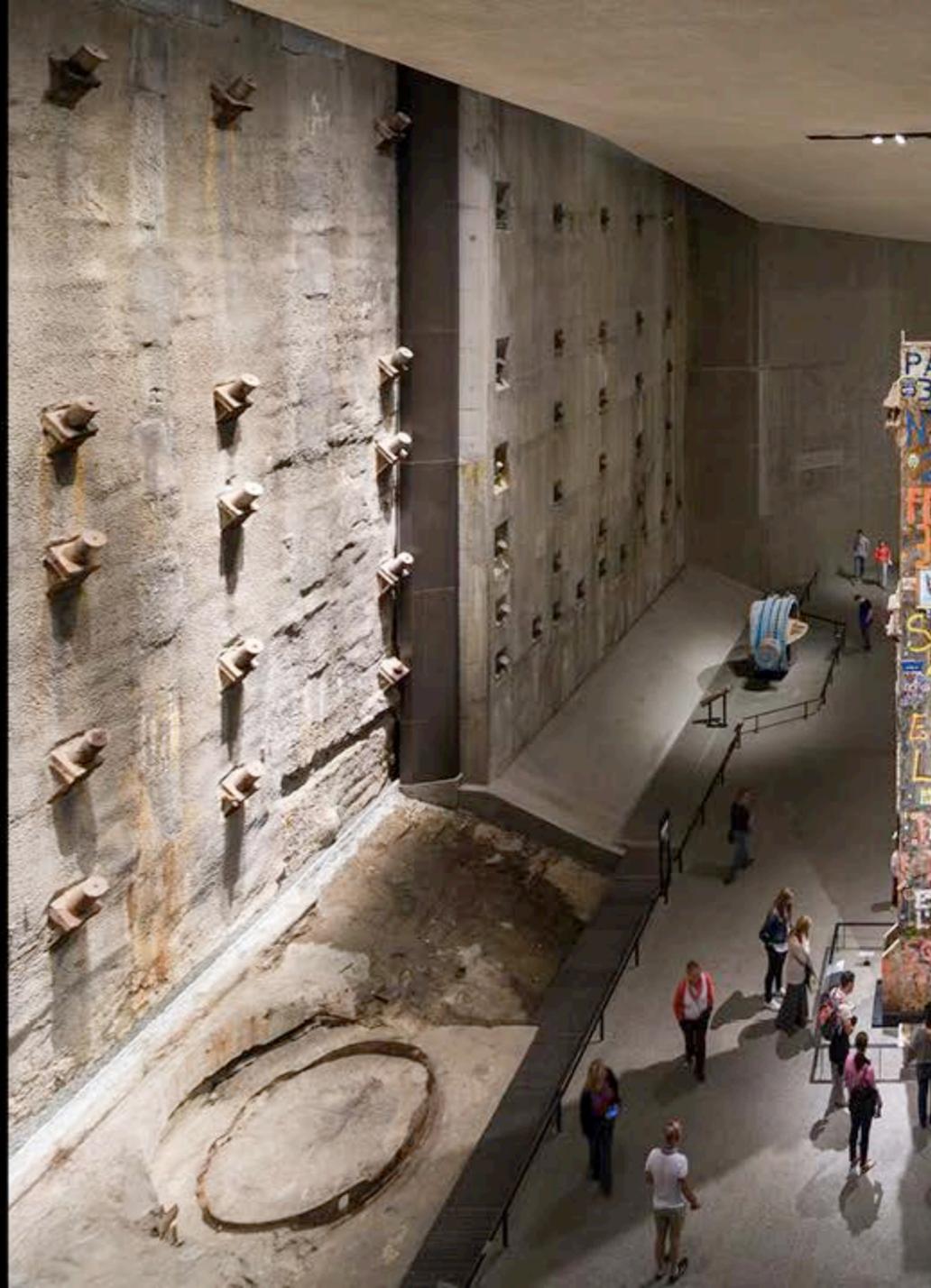


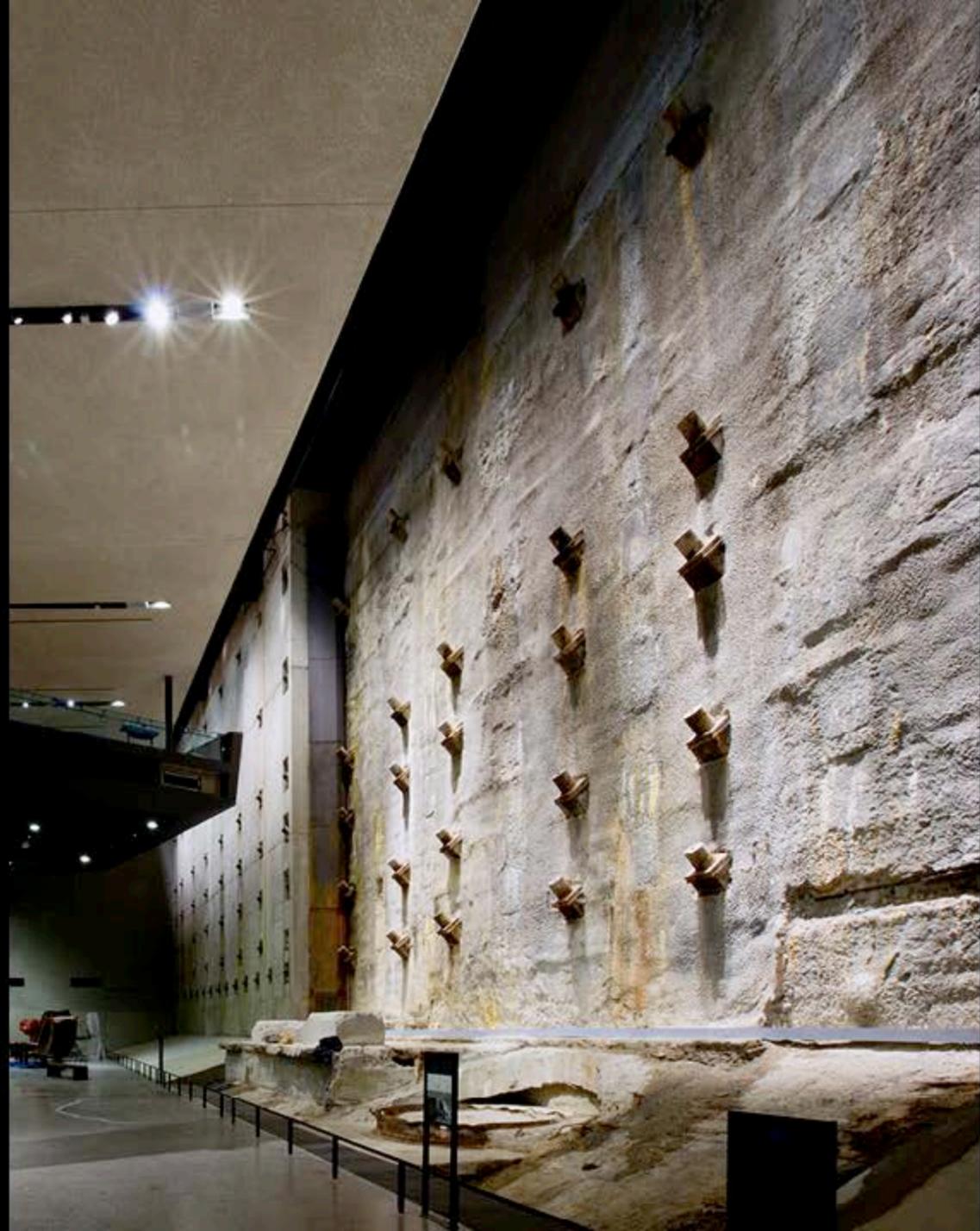




















SURVIVORS' STAIR



J.H. REID
GENERAL
CONTRACTOR

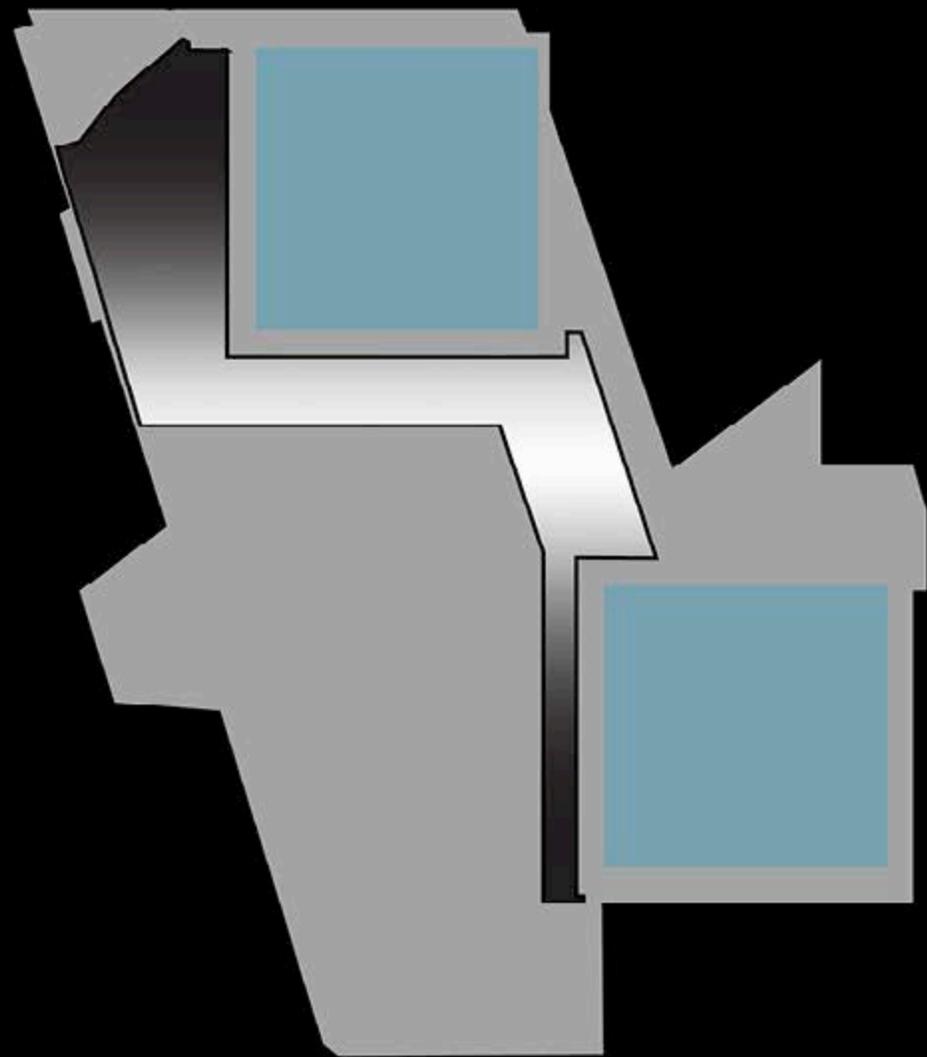


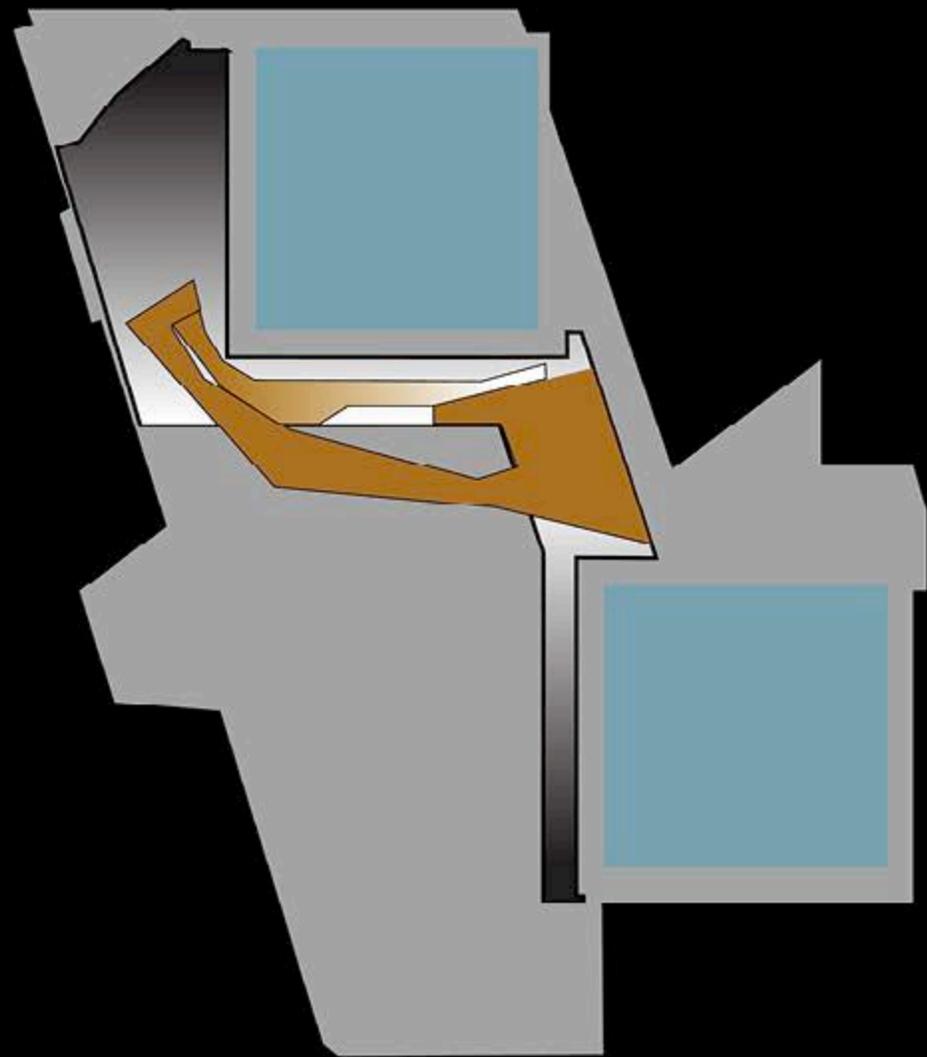


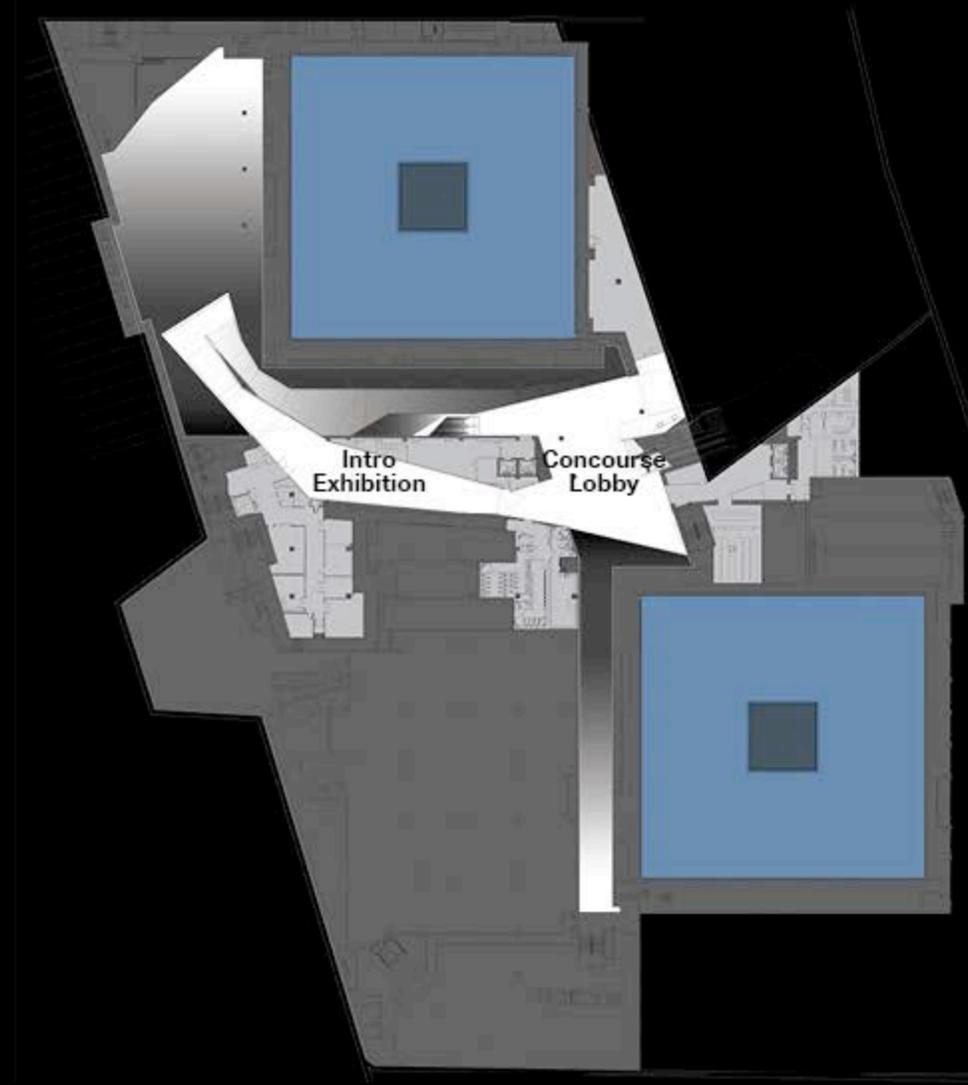




**WALK
THROUGH**

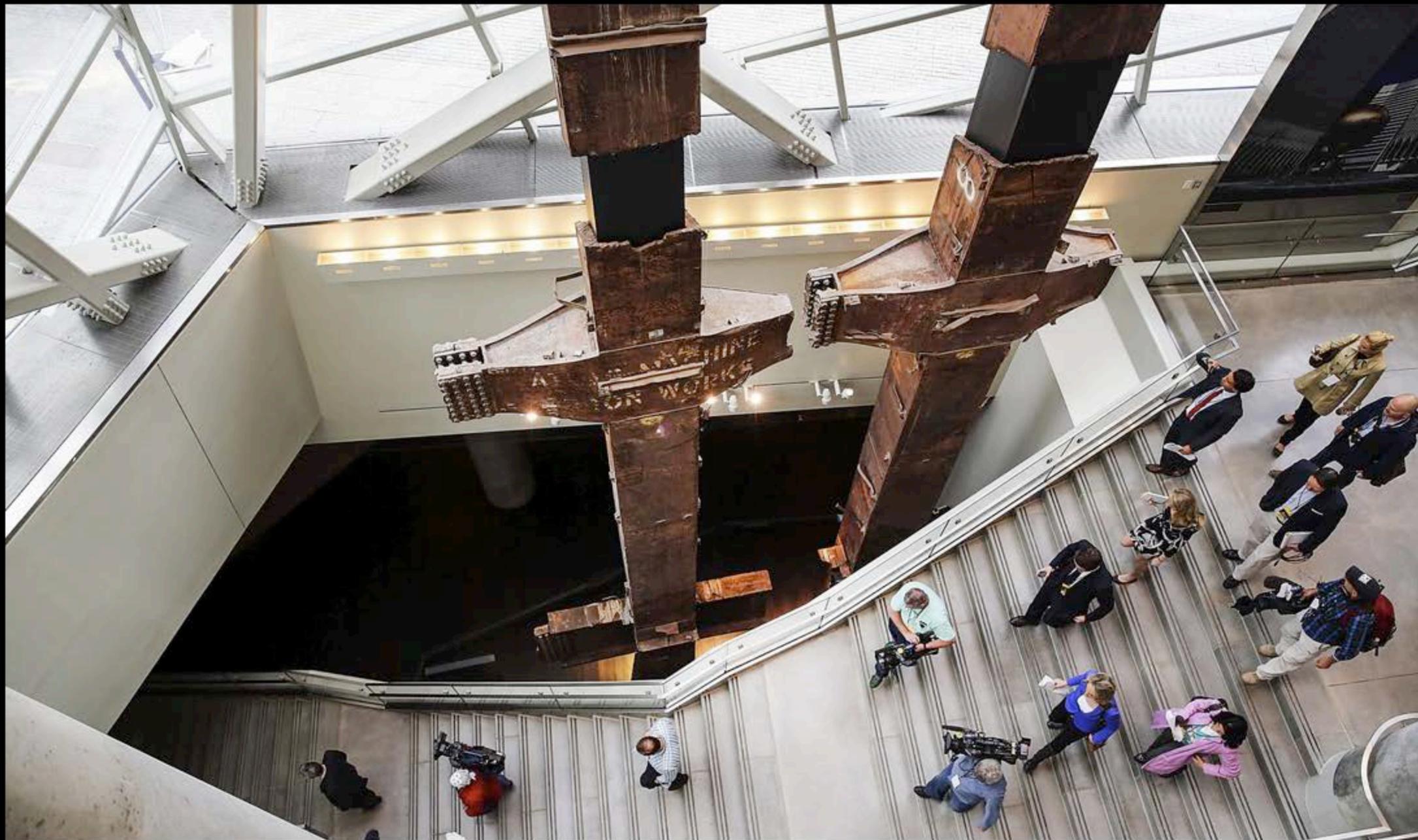




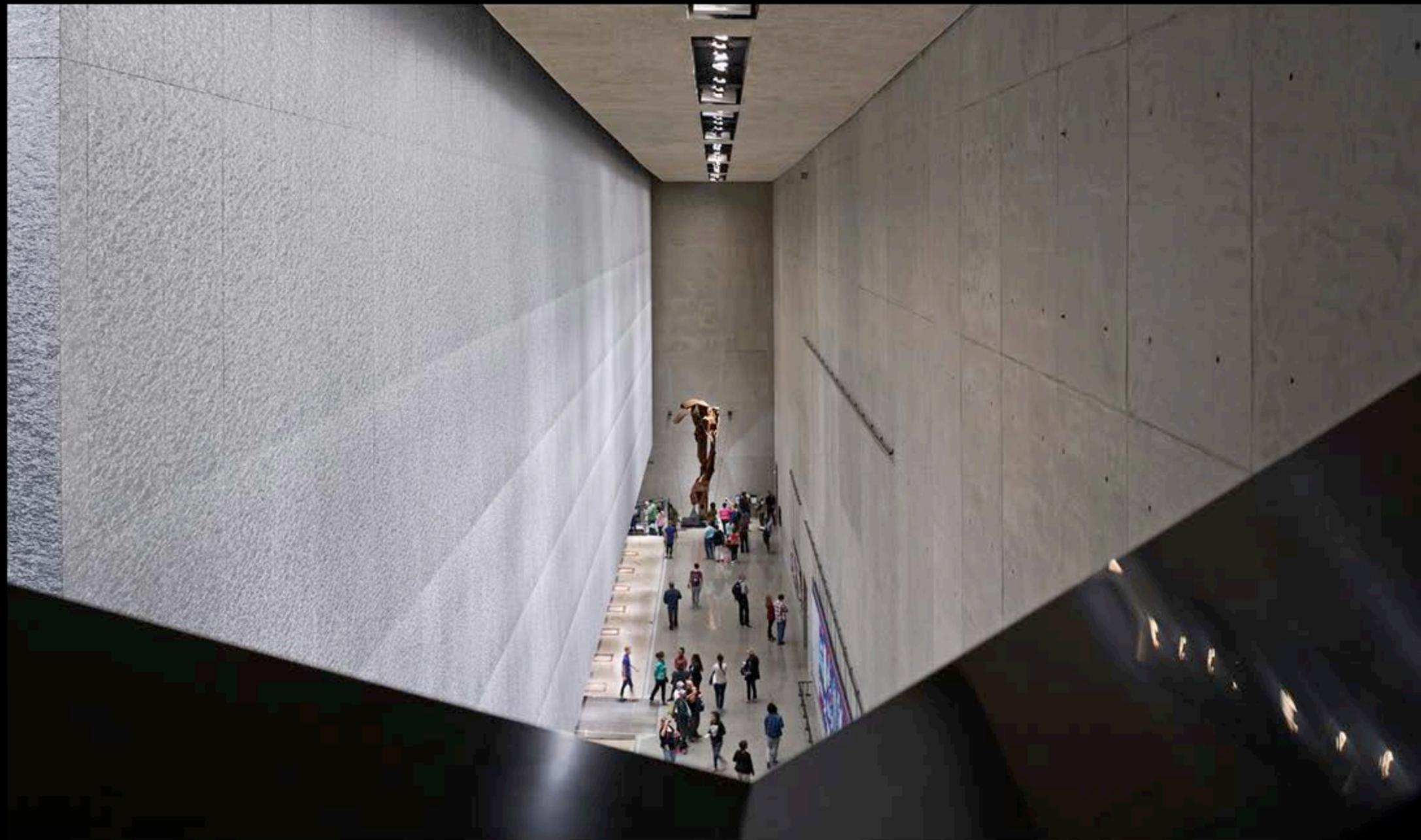


Intro
Exhibition

Concourse
Lobby

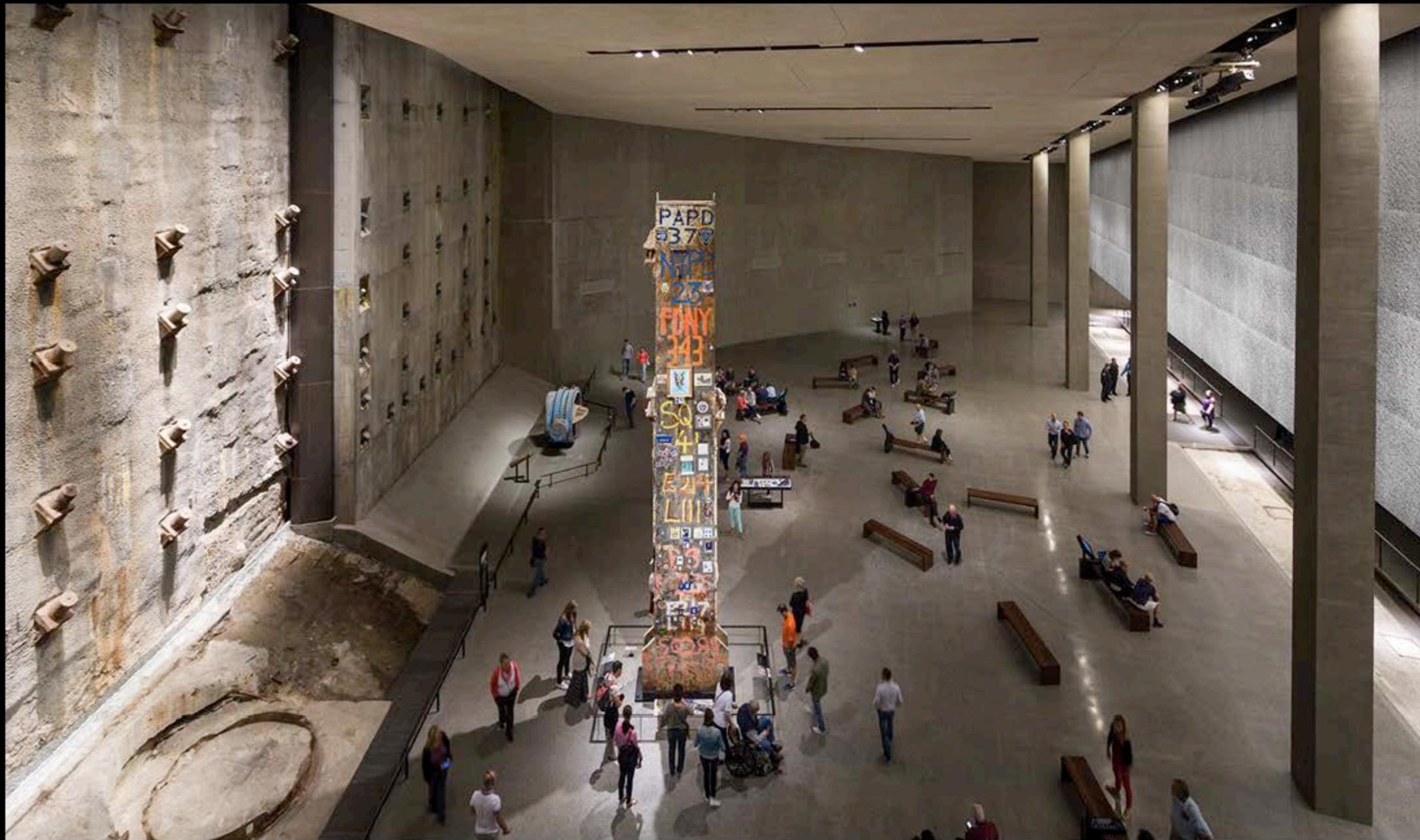






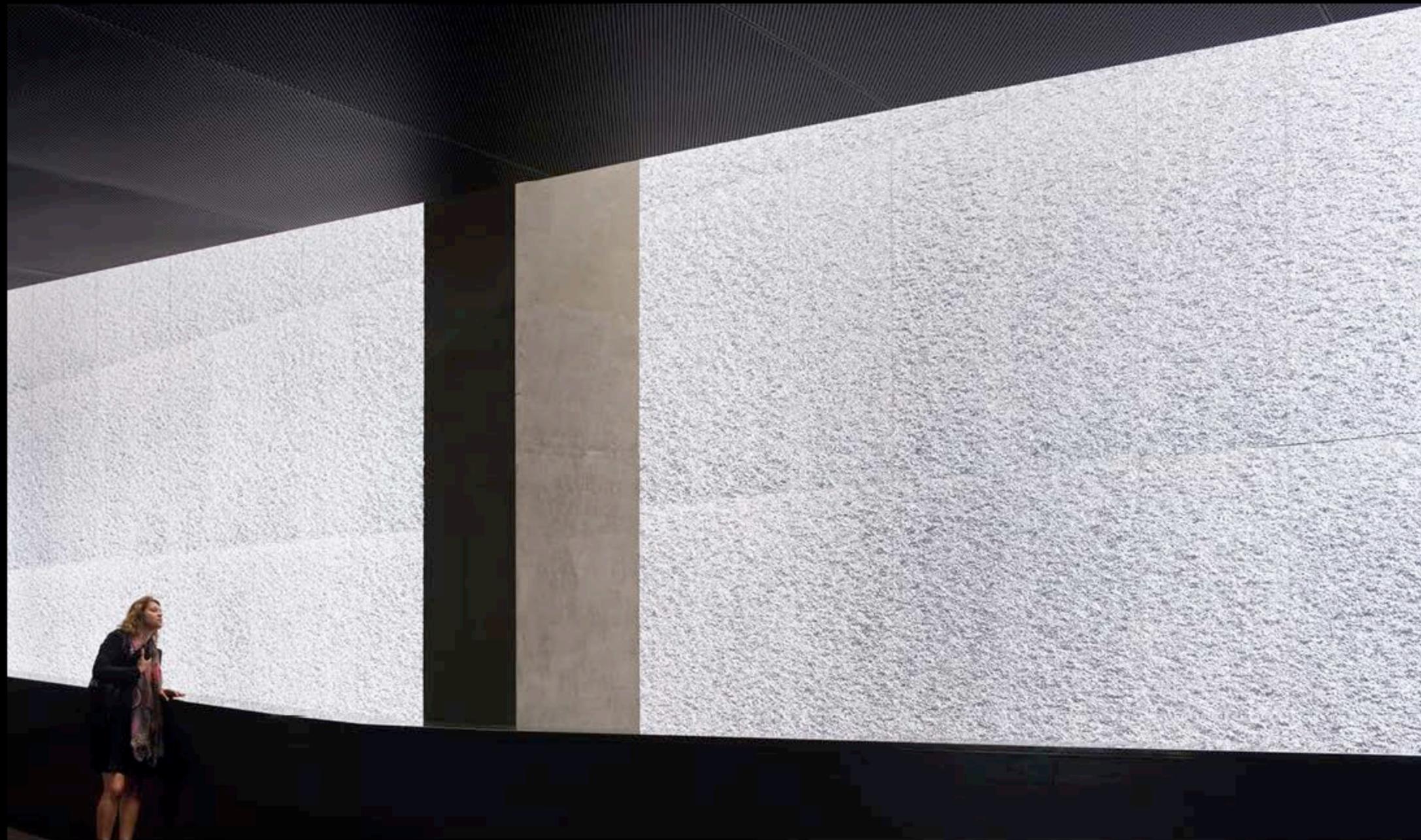




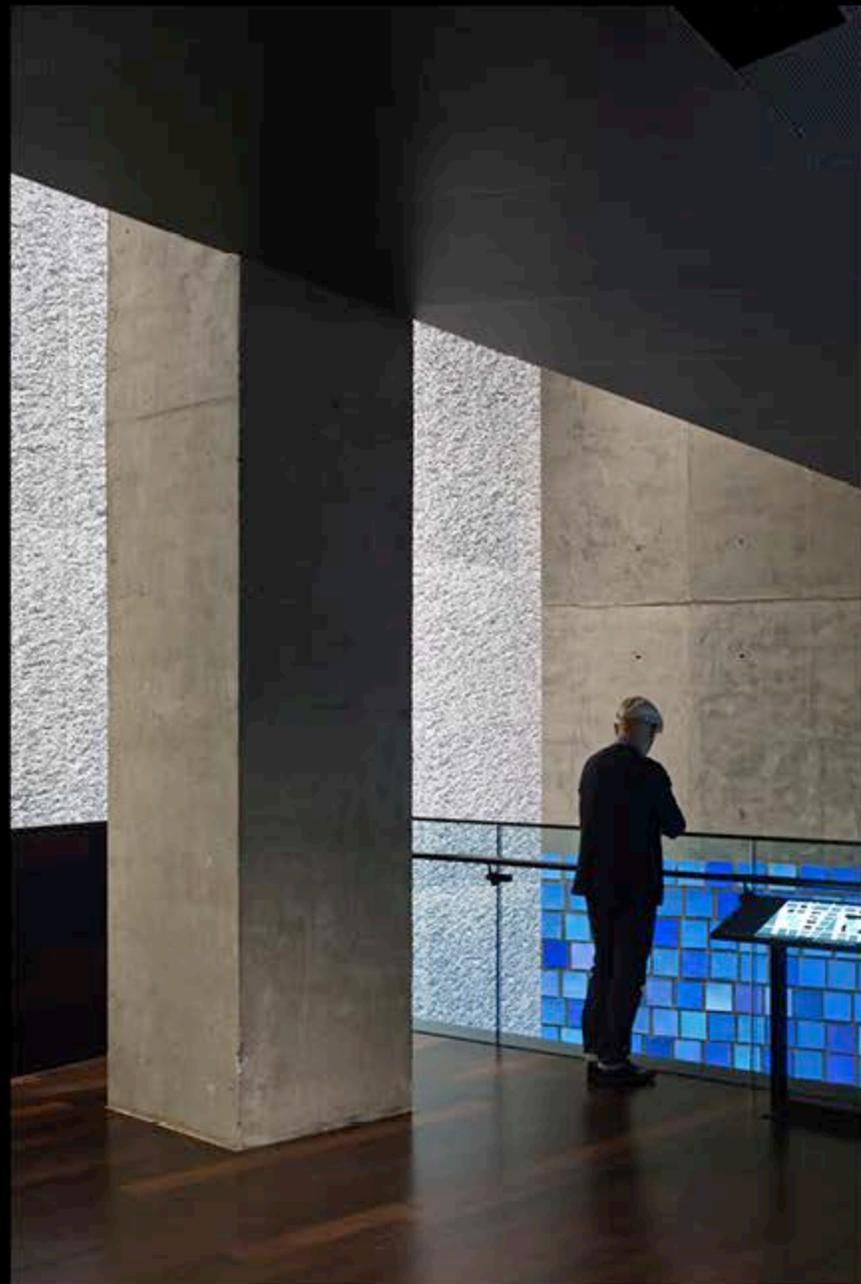












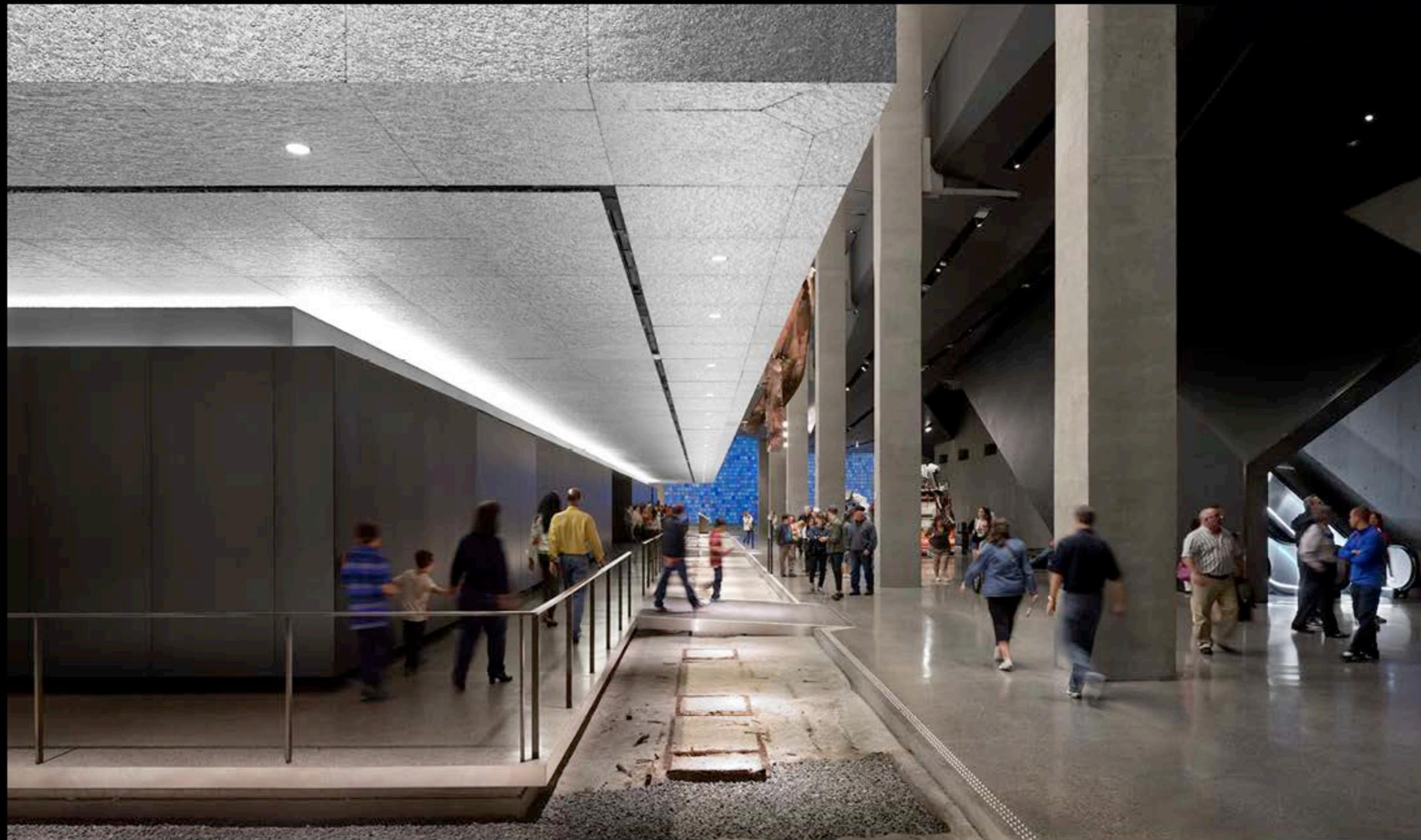






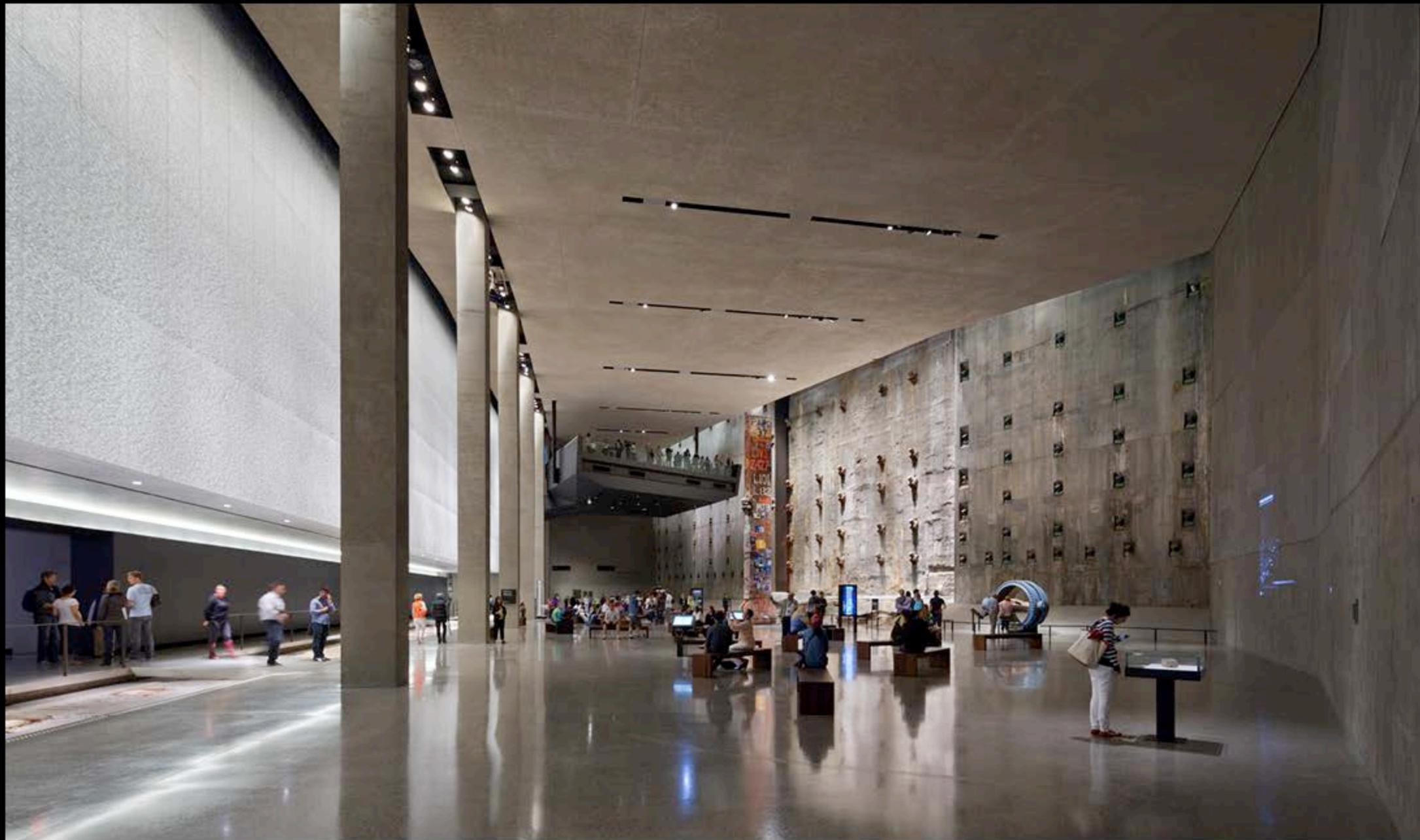
















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Thank you!