

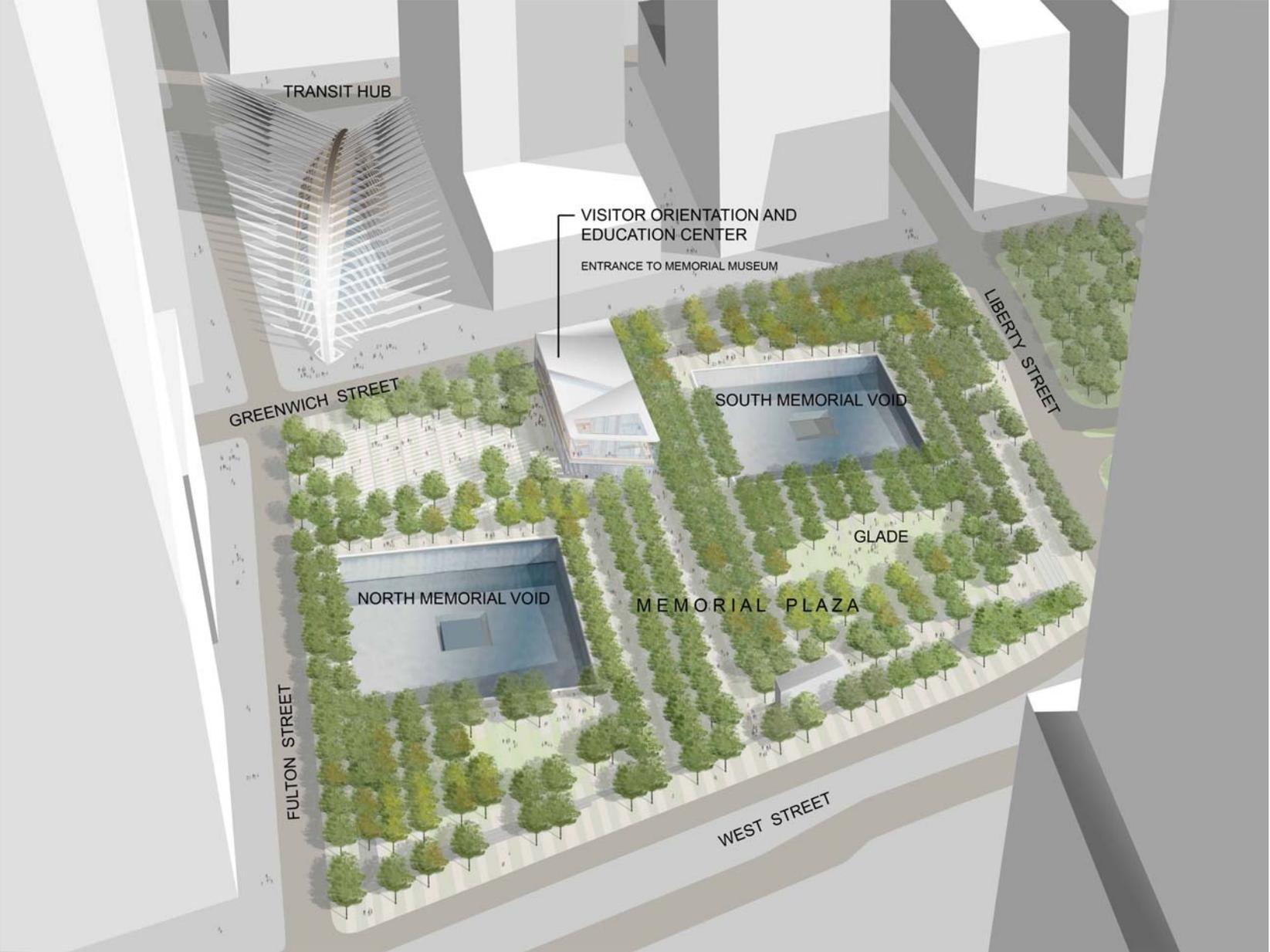
PRESENTATION TO SECTION 106 CONSULTING PARTIES

JULY 12, 2006

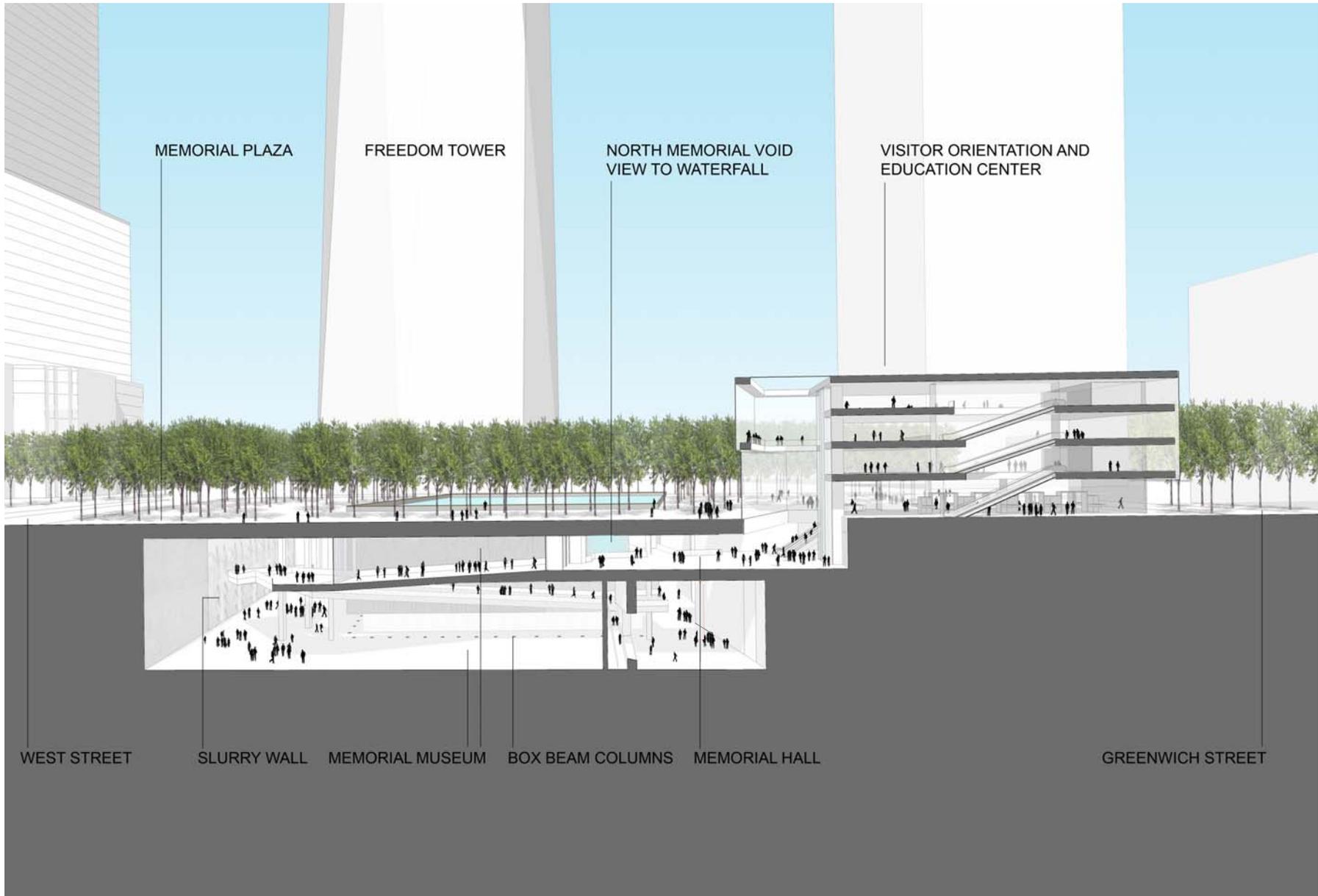
AGENDA

1. Welcome – Irene Chang
2. Review of Agenda – Colette Ellis
3. Memorial/Museum Design Status & Update – Anne Papageorge
4. Museum Design Considerations – Carl Krebs (DBB)
 - a. Original Tower Construction
 - b. Existing Conditions Survey
 - c. Access Considerations
 - d. Examples and Technical Considerations
5. Consulting Party Comments on Memorial/Museum
6. Additional Programmatic Agreement Items – Irene Chang
 - a. Artifact Update – Tim Stickelman (PANYNJ)
 - b. Potential Impacts to Additional Remnant
7. Vesey Street Staircase Presentation – Peter Rinaldi (PANYNJ)
 - a. Review of Condition, Components, and Considerations
 - b. Consultation on Preservation Scenarios
8. Next Meeting – Irene Chang
 - a. Memorial/Museum Design Update
 - b. Slurry Wall Consultation
 - c. Vesey Street Staircase Follow Up

DESIGN UPDATE





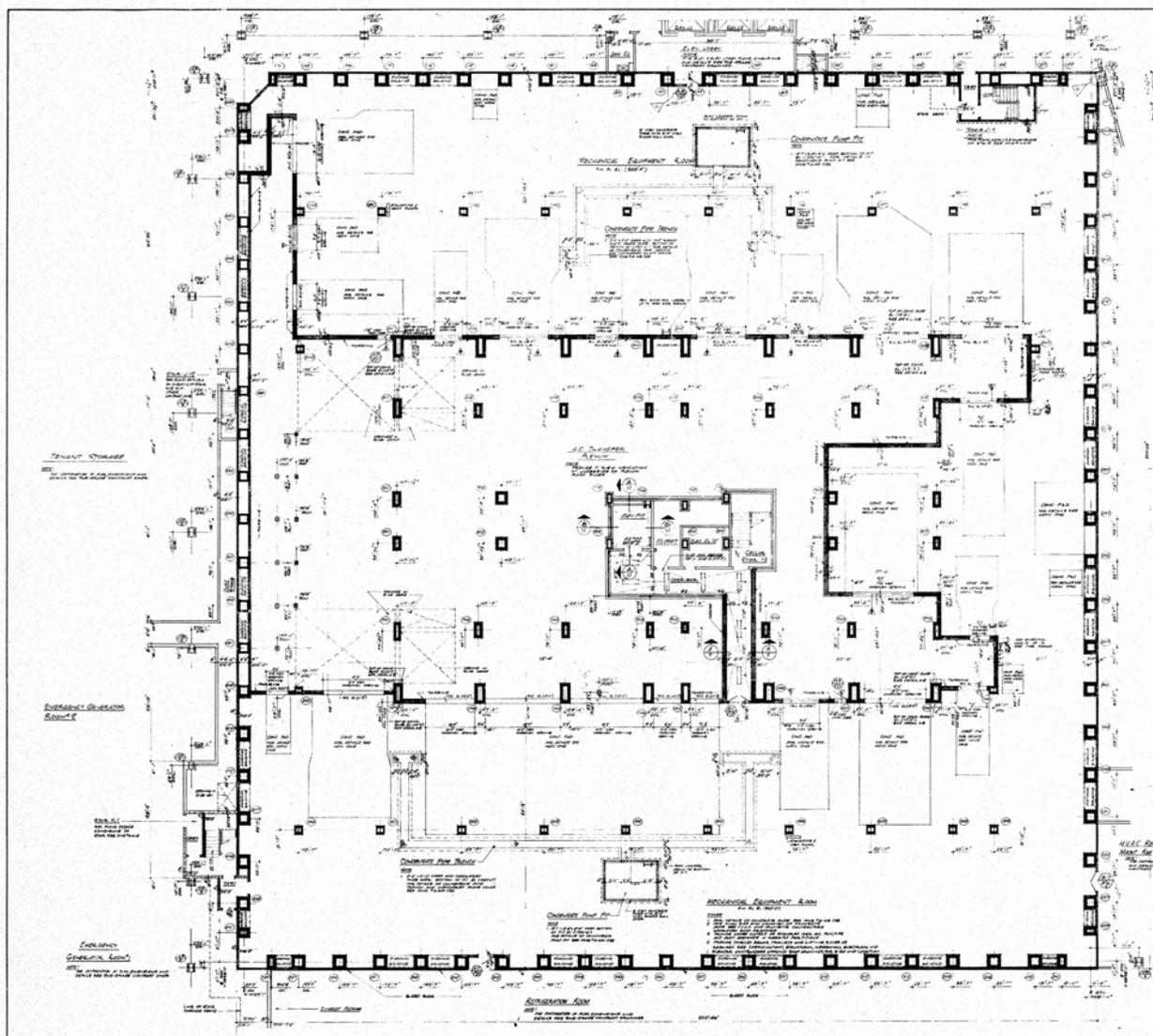




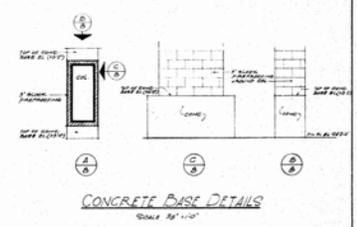
ORIGINAL CONSTRUCTION

PLANS & DETAILS

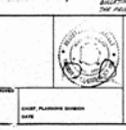
NORTH TOWER



- NOTES**
1. FOR GENERAL NOTES SEE THE CIVIL ENGINE DRAWINGS FOR THE FOUNDATION, SOILS, STRUCTURE AND MECHANICAL SYSTEMS.
 2. FOR CONCRETE FINISHES AND JOINTS SEE THE ARCHITECTURAL DRAWINGS FOR THE INTERIOR FINISH.
 3. ALL DIMENSIONS IN THIS DRAWING ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.
 4. ALL DIMENSIONS AND ELECTRICAL SYMBOLS ARE AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
 5. ALL WORK AND MATERIALS SHALL BE AS SHOWN AND NOTED IN THE ARCHITECTURAL DRAWINGS UNLESS OTHERWISE SPECIFIED.
 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND STANDARDS.
 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL AND ELECTRICAL CODES AND STANDARDS.
 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STRUCTURAL CODES AND STANDARDS.



NO.	DATE	BY	CHKD.	REVISIONS



THE WORLD TRADE CENTER
THE PORT OF NEW YORK AUTHORITY

ENGINEER: YAMASAKI & ASSOCIATES
ARCHITECT: KIMURA YAMASAKI ARCHITECT

STRUCTURAL ENGINEER: JAMES RAYW & ASSOCIATES
ELECTRICAL ENGINEER: JOSEPH A. LORING & ASSOCIATES

MECHANICAL ENGINEER: EDWARD ROY & SONS
ARCHITECT: RICHARD ROY, ARCHITECT

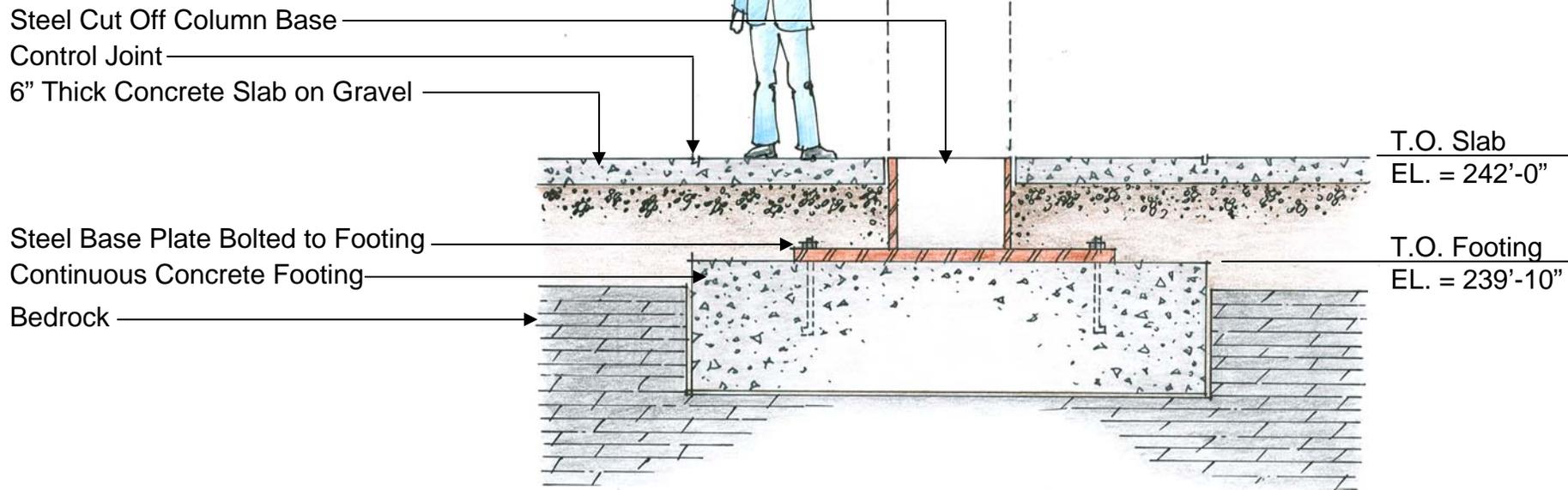
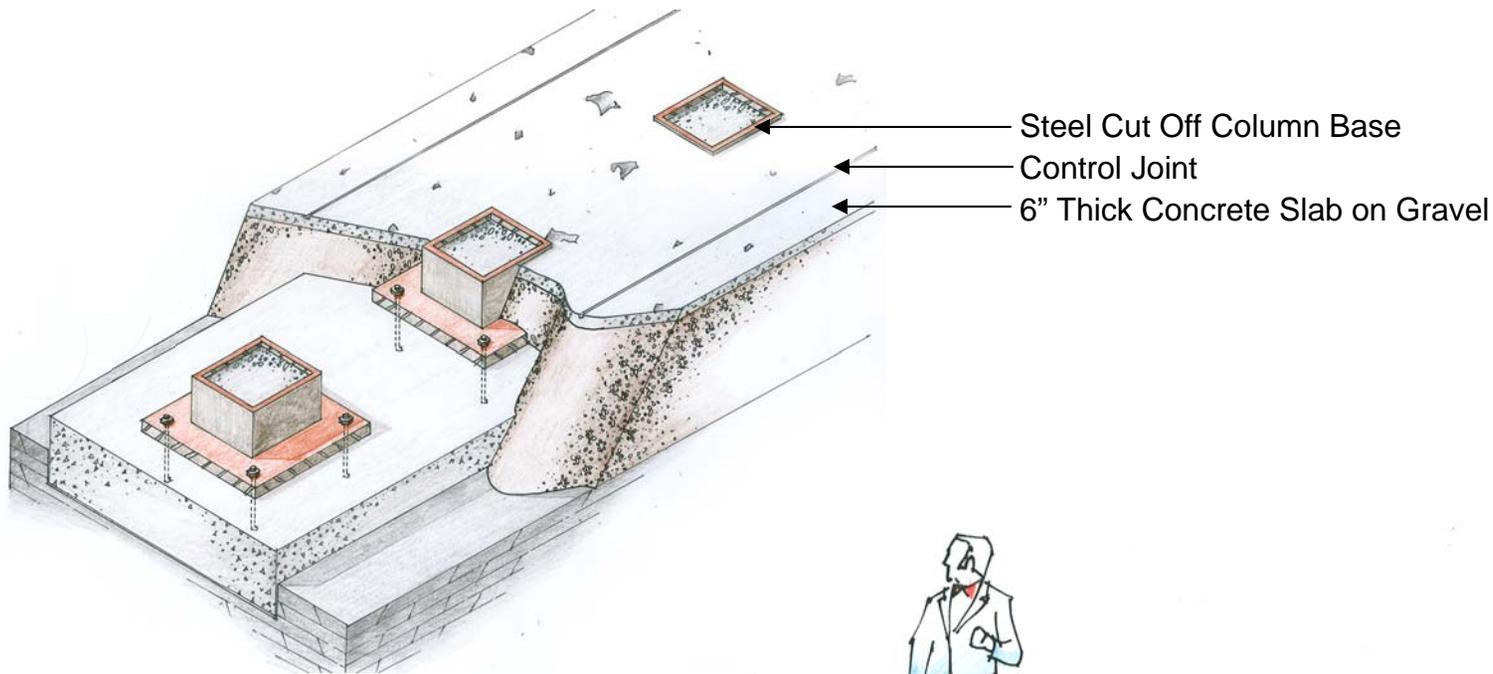
THE PORT OF NEW YORK AUTHORITY
PORTAL OFFICE, FORTLANDER

860

NO.	DATE	BY	CHKD.	REVISIONS

Scale: 1/4" = 1'-0"

A.A.8



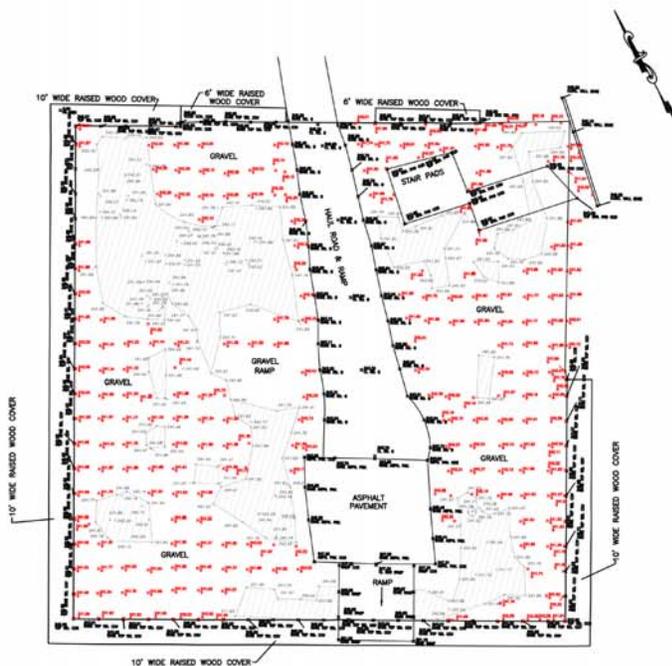
T.O. Slab
EL. = 242'-0"

T.O. Footing
EL. = 239'-10"

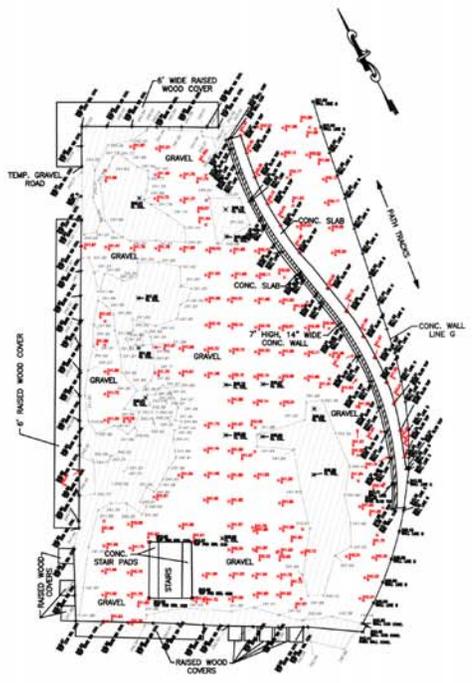
TYPICAL TOWER FOOTING SECTION

EXISTING CONDITIONS

SITE SURVEY



**UPPER SECTION
NORTH TOWER GRID**



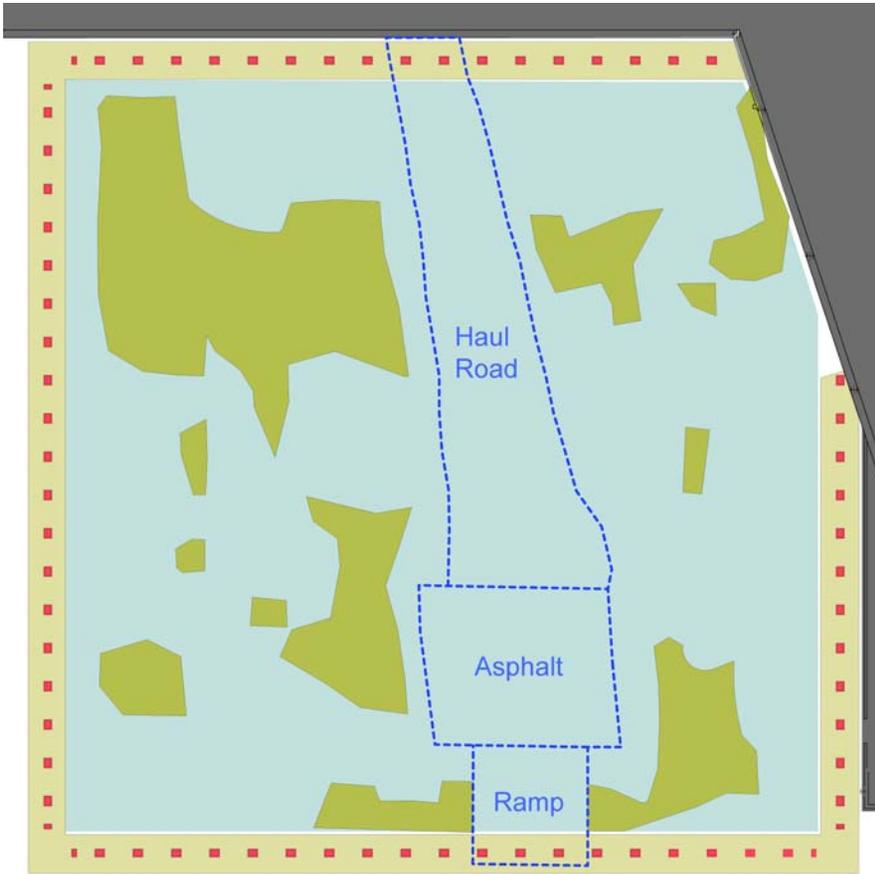
**LOWER SECTION
SOUTH TOWER GRID**

LEGEND & ABBREVIATIONS	
	GRAVEL POINTS
	CONCRETE POINTS
	TOP CORNER RAISED WOOD COVER
	CONCRETE AREA
	COLUMNS - TYPICAL

- NOTES:**
- DRAWING IS DONE UPON AN ACTUAL SURVEY PERFORMED BY D.W. & T.A. ON 5/9/2006 & 5/10/2006.
 - CONCRETE SLABS HAVE IRREGULAR SHAPE AND IRREGULAR HIGH.

DESIGN BY:	CLIENT:	SCALE:	DRAWING TITLE:	DRAWN BY:	PROJECT NO.:
CHECKED BY:	INTRICATE CONSTRUCTION 677 COMMERCE ST. HAWTHORNE N.Y. 10594		TOPOGRAPHICAL SURVEY WTC - MEMORIALS	DATE:	02-28-07
PROJECT NO.:				DRAWING NO.:	1
BY:	TURNER*			SCALE:	1"=20'
REV.	DATE	REVISION			

LKB
 LOCKWOOD, KESSLER & BARTLETT, INC.
 CONSULTING ENGINEERS SINCE 1899
 1 ARCADE WAY, FREDERICK, MARYLAND 21701
 TEL: (301) 684-6800

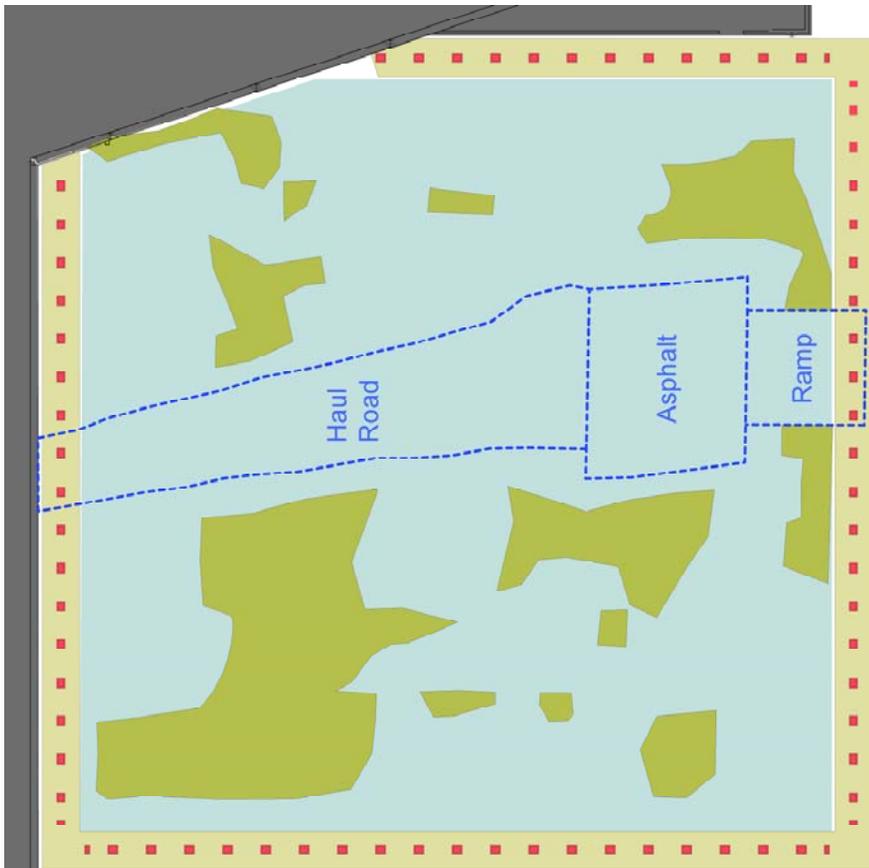


North Tower Footprint



South Tower Footprint

- Existing Concrete Slab
- Temporary Slab Protection, existing slab condition to be verified
- Areas of Gravel or Dirt
- Remaining Column Bases
- Temporary Haul Road, existing conditions (below) to be surveyed



North Tower Footprint



North Tower Footprint (part), looking east

-  Existing Concrete Slab
-  Temporary Slab Protection, existing slab condition to be verified
-  Areas of Gravel or Dirt
-  Remaining Column Bases
-  Temporary Haul Road, existing conditions (below) to be surveyed

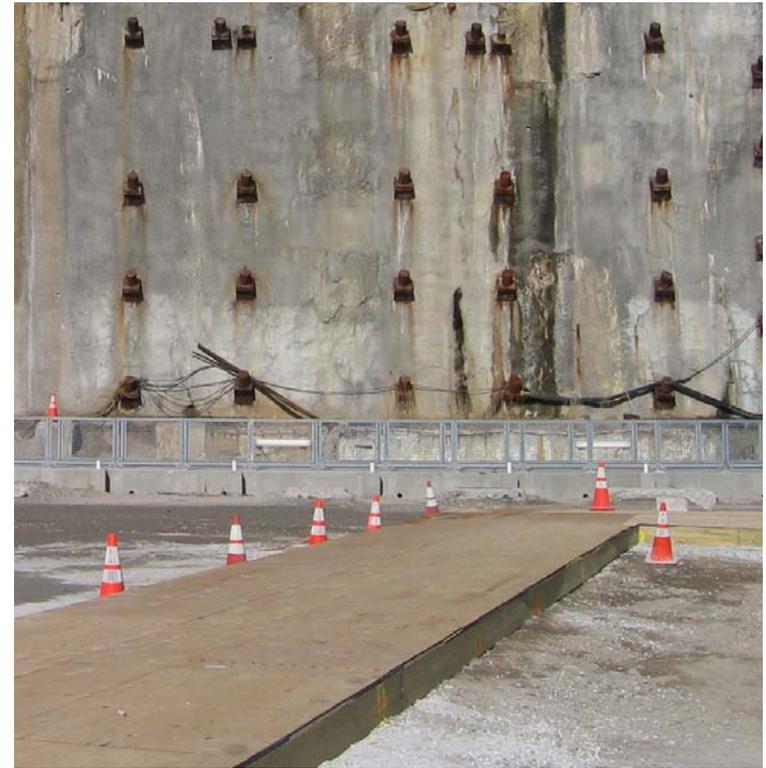


South Tower Footprint



South Tower Footprint, looking north / east

-  Existing Concrete Slab
-  Temporary Slab Protection, existing slab condition to be verified
-  Areas of Gravel or Dirt
-  Remaining Column Bases
-  Temporary Haul Road, existing conditions (below) to be surveyed



Temporary Protection at North Tower,
March 31, 2006

Western Perimeter of North Tower, July 27, 2005



South / West corner of North Tower Perimeter Column, July 27, 2005

Access Considerations

EXAMPLES AND PRECEDENTS

Access Considerations

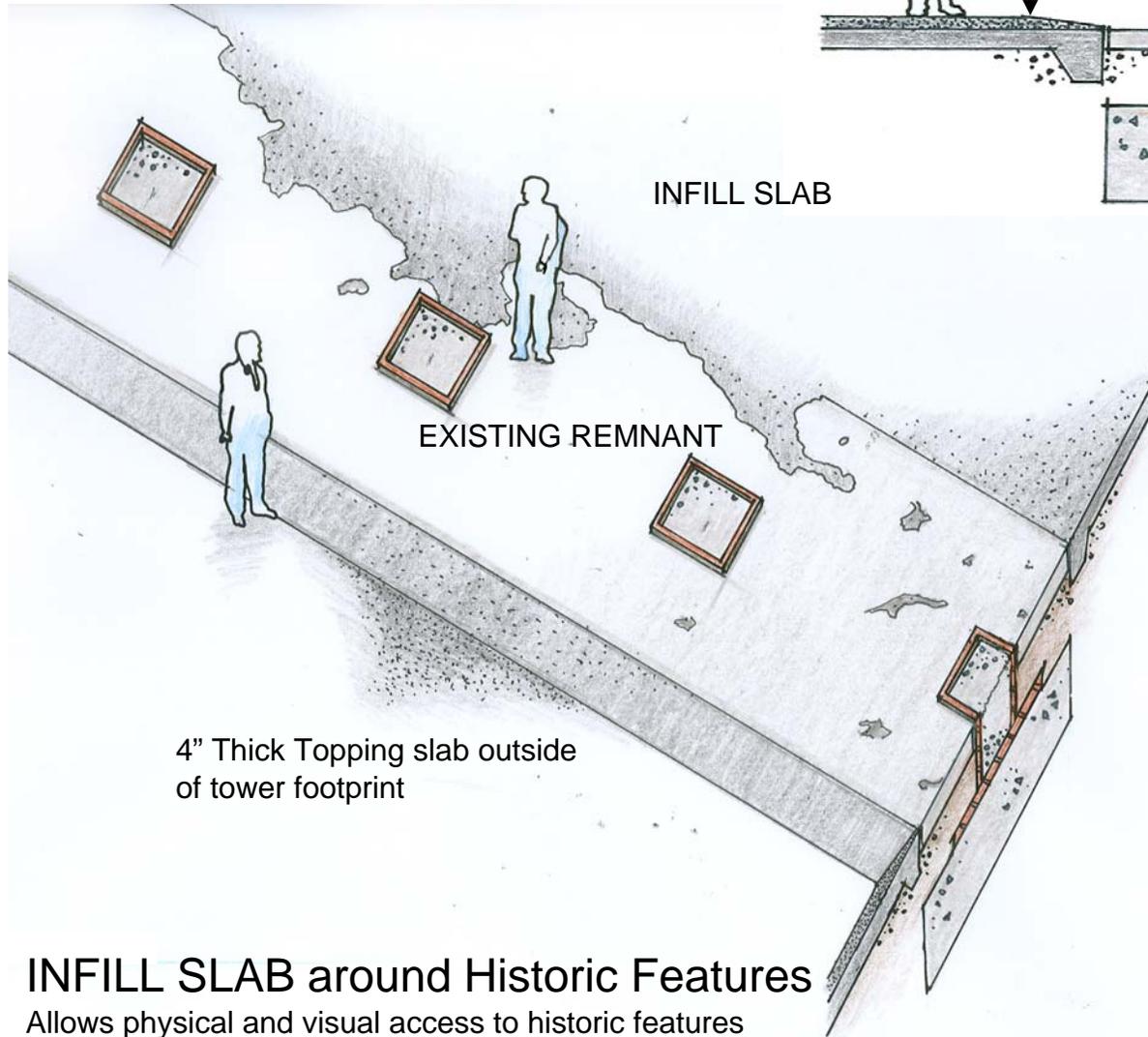
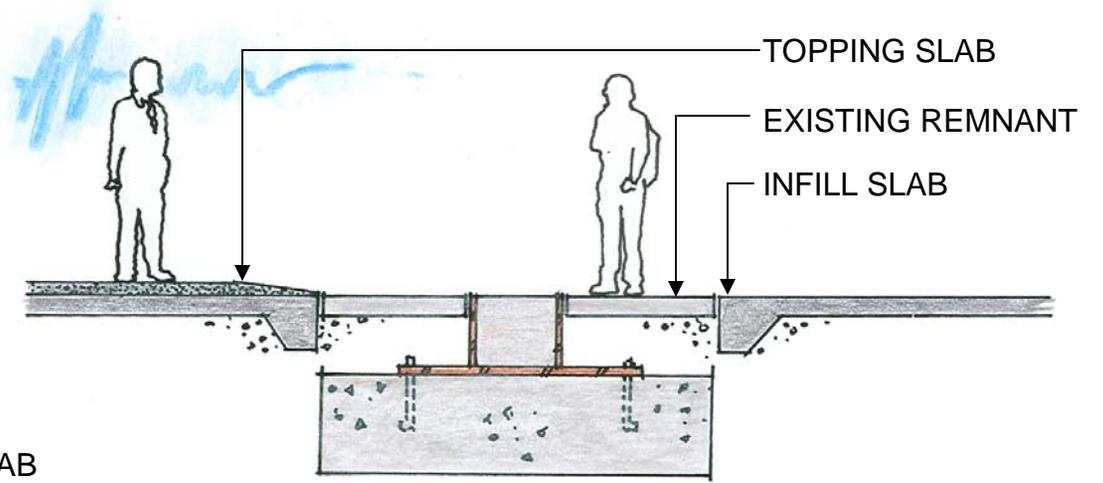
Examples, Precedents, and Technical Considerations

1. Physical Proximity
2. Tactile Experience
3. Presentation & Context



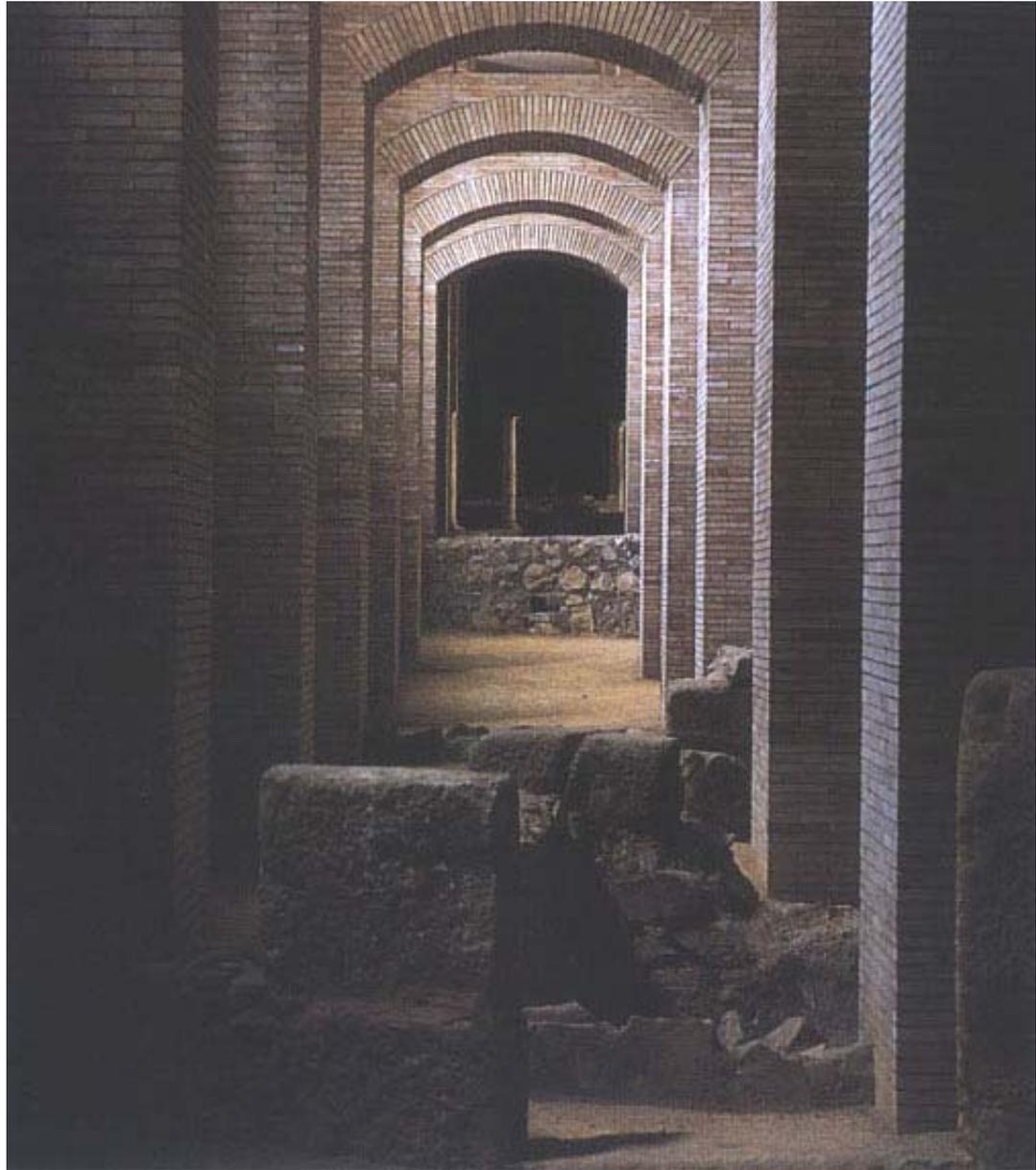
INFILL SLAB around Historic Features

Allows physical and visual access to historic features



INFILL SLAB around Historic Features
Allows physical and visual access to historic features

National Museum of Roman Art
Merida, Spain
Rafael Moneo, 1980-1986

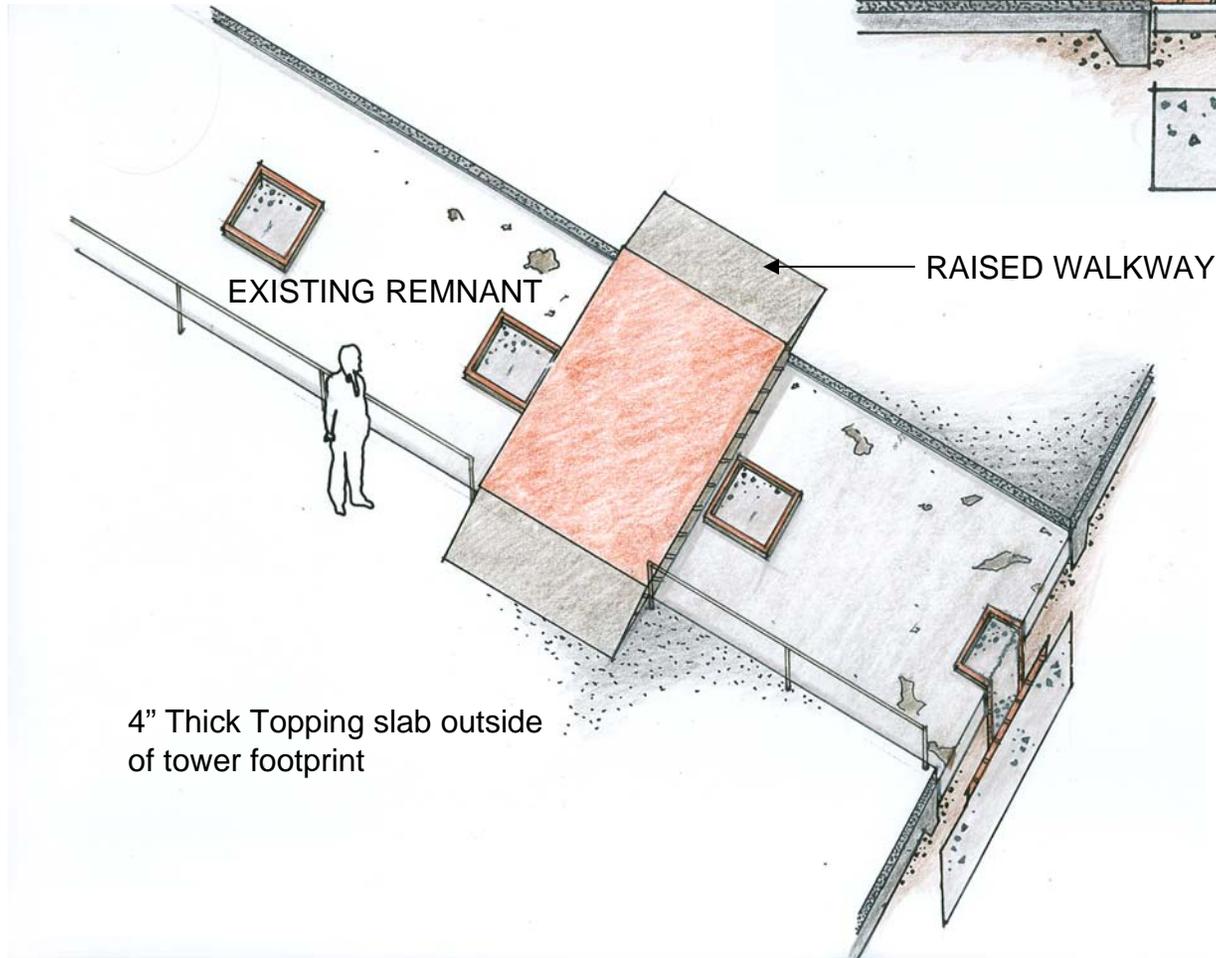
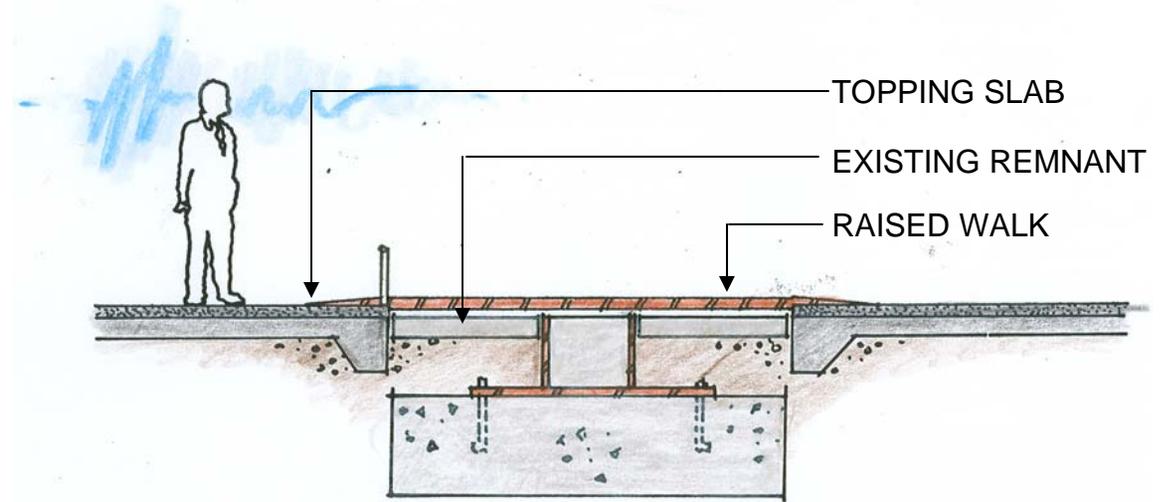


INFILL SLAB around Historic Features

Allows physical and visual access to historic features



Raised Floor with Openings to View Historic Features
Allows visual access to historic features



RAISED FLOOR with openings to view Historic Features

Allows visual access to historic features

Musee du Grand Louvre
Paris, France
Pei Cobb Freed, 1989, 1993



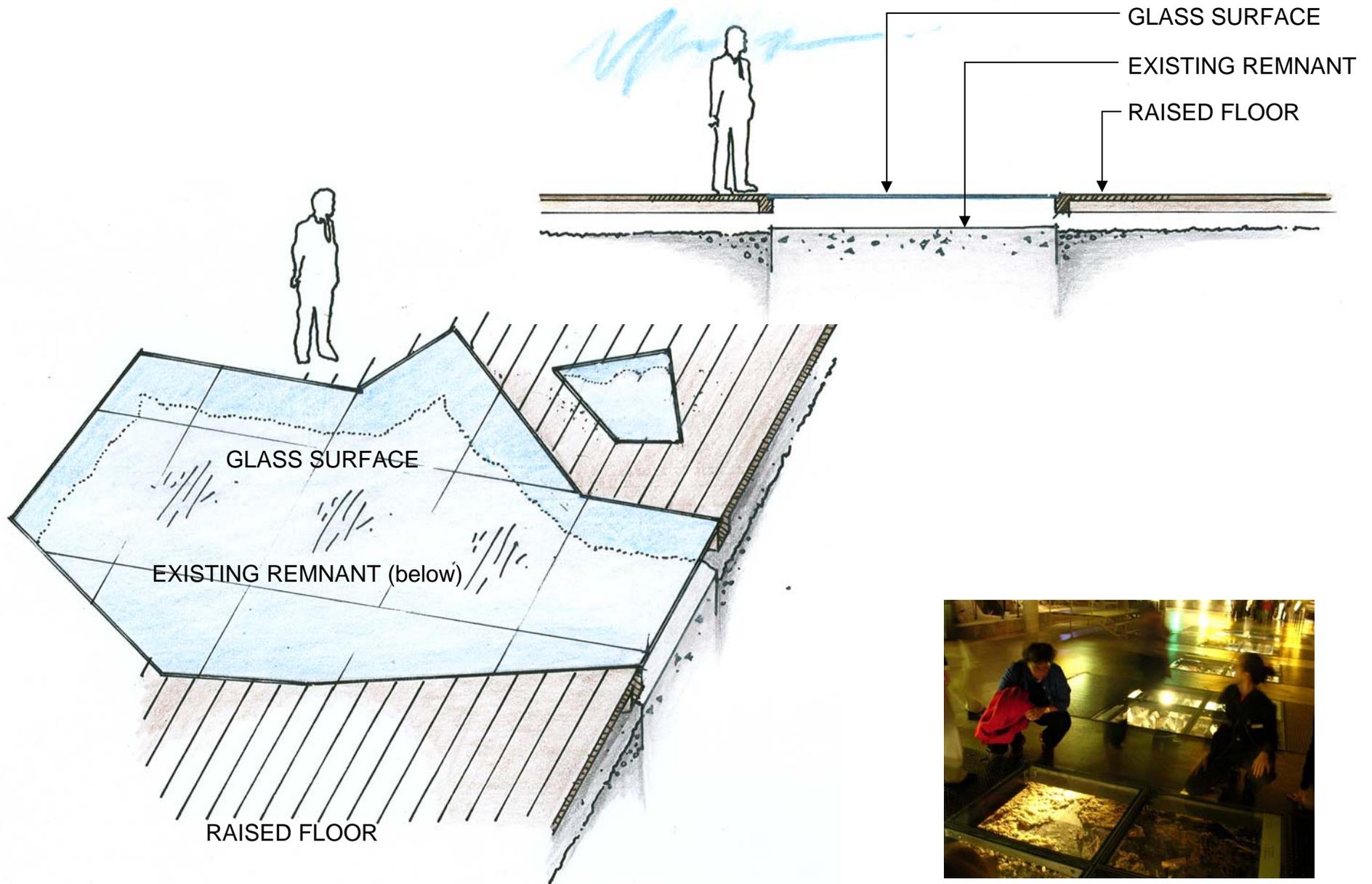
RAISED FLOOR with openings to view Historic Features

Allows visual access to historic features



Raised Floor with Glass Panels over Historic Features

Allows visual access to historic features



RAISED FLOOR with glass panels over Historic Features

Allows visual access to historic features

Montreal Museum of
Archaeology and History
Montreal, Canada



RAISED FLOOR with glass panels over Historic Features

Allows visual access to historic features

Consultation on Access Considerations

Key Visitor Issues

1. Physical Proximity
2. Tactile Experience
3. Presentation & Context

