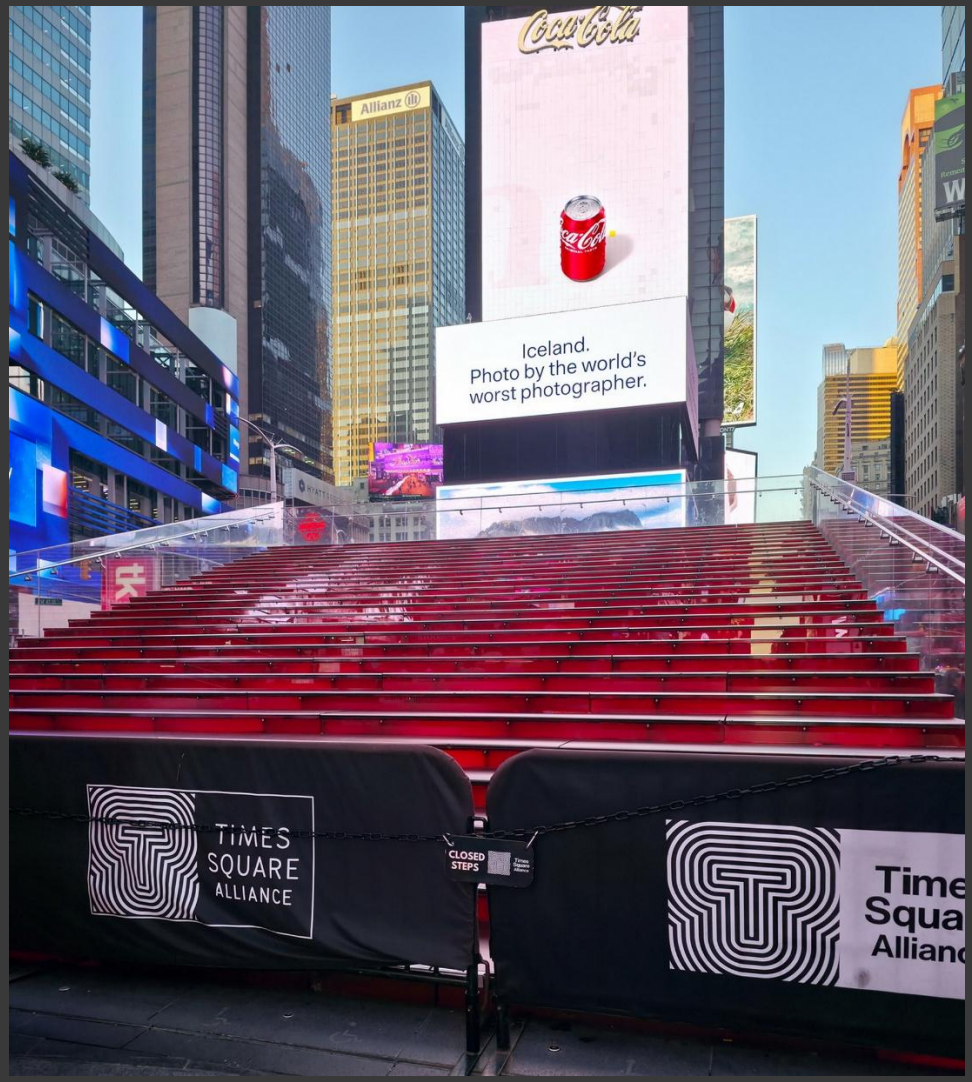
Transfer mit Shuttle



Times Square / Red Stairs / Broadway






SEIKO
LOST BOYS
the end of the AIDS epidemic is now within reach.
SANTA CARLA
Signal that moves capital
Morgan Stanley Institute
KLIKTIX
TICKET CENTER


Broadway


ONE


TIMES SQUARE
Olive Garden
W 48 St
STOP


ROKU
Hard Rock
Hard Rock CAFE
CULT OF INDIVIDUALITY


CAMPBELL'S® PROTEIN SOUPS
20G Protein
Per Can
I WANT YOU


H&M
HELENA
57 WEST
601 WEST 57TH ST
NEW YORK POLICE DEPT
NEW YORK POLICE DEPT
ONE WAY
Terms apply. 21+.
involves risk.
TO THE TIMES SQU

Zu Fuß Richtung Grand Central Terminal







Empire State Building


ONE WAY
ASTOR
New York Public Library
Fifth Ave
EXCEPT BUSES
ONE WAY

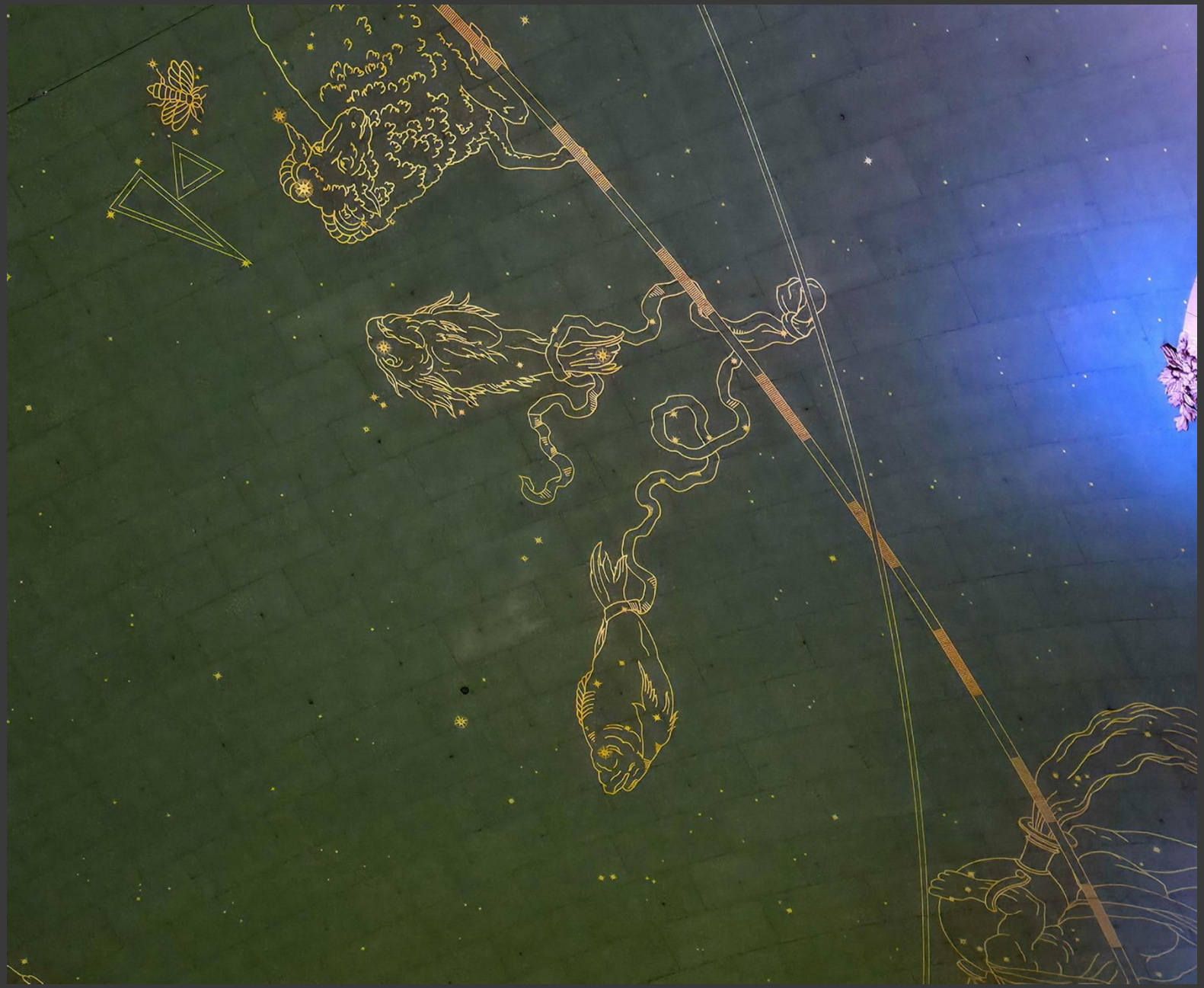


Crysler Building

Grand Central Station



Mein Sternzeichen an der Decke der Grand Central




MTA METRO-NORTH
TRAIN INFORMATION
Metropolitan
Transportation
Authority
MTA METRO-NORTH
ARRIVALS
ARRIVALS
CLOSED
TITLE VI


RTURES
STOP
TOP
TOP
WASSAIC
TOP
TOP
HARLEM LINE DEPARTURES
TIME TRK DESTINATION REMARKS
10:14 SOUTHEAST WHITE PLAINS - 1ST STOP
10:17 CRESTWOOD MELROSE - 1ST STOP
10:48 N. WHITE PLAINS MELROSE - 1ST STOP
11:14 SOUTHEAST CONNECTION TO WASSAIC
11:17 CRESTWOOD MELROSE - 1ST STOP
11:48 N. WHITE PLAINS MELROSE - 1ST STOP
HUDSON LI
TIME TRK DESTINATION
7:57 36 POUGHKEEPSIE
8:08 35 BEACON
8:25 CROTON-HARMON
8:31 BEACON
8:49 CROTON-HARMON
8:52 CROTON-HARMON
MTA METRO-NORTH TICKETS





Whyspering Gallery

Engine 54 / Ladder 4 / Battalion 9




PRIDE OF MIDTOWN
CHIEF 9 BATTALION FDNY
54
4
ENGINE 54
F.D.N.Y.
4 TRUCK
BATT. 9
NEVER MISSED A PERFORMANCE
BATTALION 9
I ♥ NY
MAJESTIC
Gershwin
SHUBERT THEATRE
42ND STREET
Winter Garden
RADIO CITY
LADDER 4
ENGINE 54
FF. PAUL GILL
FF. JOSE GUADALUPE
FF. LEONARD RAGAGLIA
FF. CHRISTOPHER SANTORA
TO ALL OF OUR FALLEN BROTHERS YOU WILL NEVER BE FORGOTTEN
4 TRUCK
CAPTAIN
DAVID WOOLEY
LIEUTENANT
DANIEL O'CALLAGHAN
FF. JOSEPH ANGELINI Jr.
FF. MICHAEL BRENNAN
FF. MICHAEL HAUB
FF. MICHAEL LYNCH
FF. SAMUEL OITICE
FF. JOHN TIPPING II
BATTALION CHIEF
EDWARD GERAGHTY
FF. ALAN FEINBERG
BATTALION CHIEF
DENNIS DEVLIN
FF. CARL ASARO
LIEUTENANT
CHARLES GARBARINI
FDNY 343
SEPTEMBER 11, 2001


YOU ARE NOT FORGOTTEN
AIRBORNE
#MI22IDN
W 50 ST
4 TRUCK
RENEWABLE DIESEL


ENGINE 54
LADDER 4
BATT. 9
FDNY
NEVER MISSED A PERFORMANCE
54
F.D. N.Y.
54
Engine 54
FDNY
Ladder 4
Battalion 9


PHYSICIANS
NY
4 TRUCK
FAST
PAK
FDNY
DAVALOS
505
505

Subway 50th /8 Ave






D

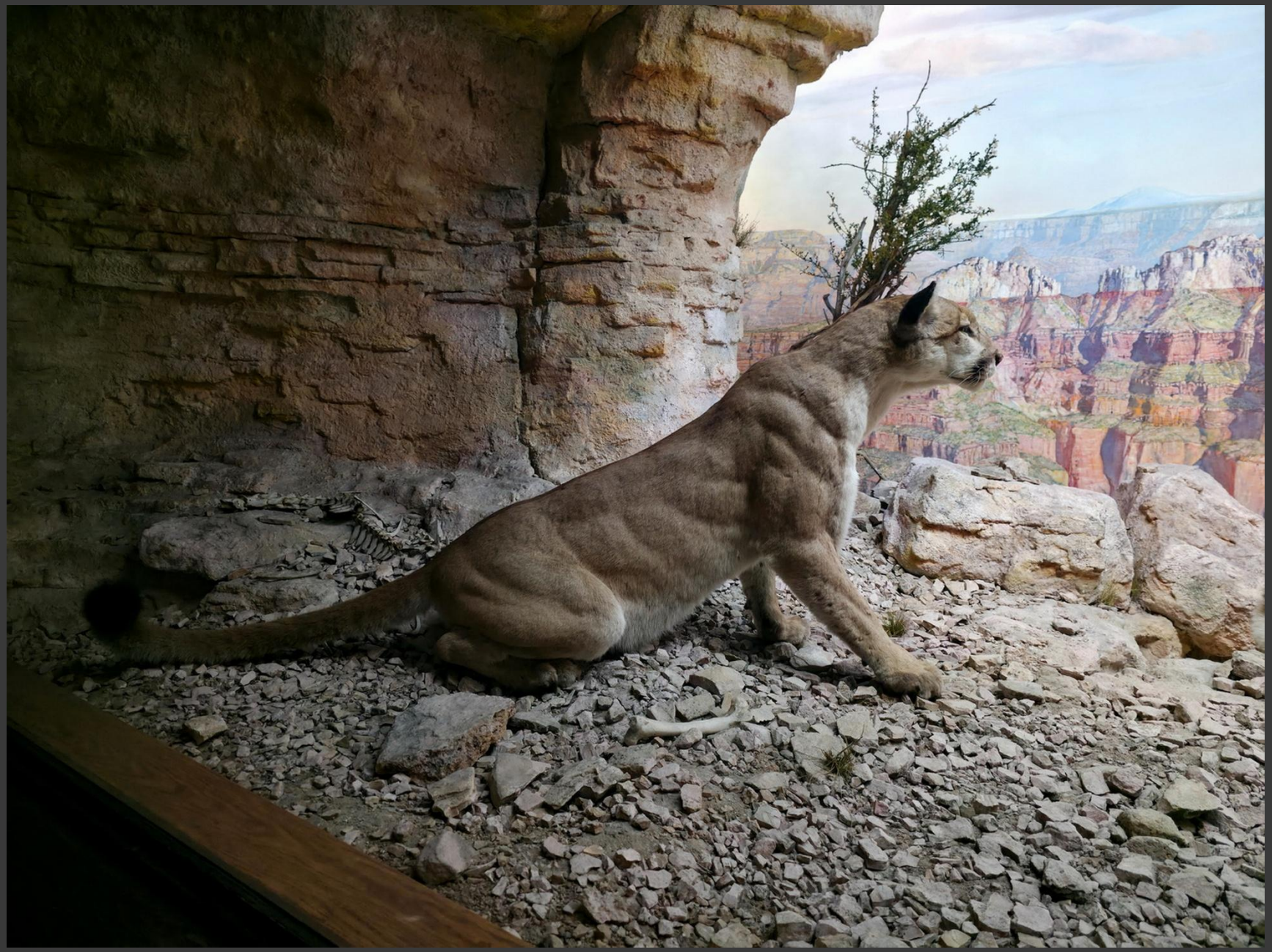
American Museum of Natural History






PLEASE
EAST AFRICAN ELEPHANT
(LOXODONTA AFRICANA PEALI)
FOUR OF THE ELEPHANTS IN THIS GROUP INCLUDING
THE LARGE BULL WERE COLLECTED AND MOUNTED
BY CARL E. AKELEY IN THE PUU'S THE ADDITIONAL
ELEPHANTS WERE COLLECTED IN 1933 BY MR. & MRS.
J. TRUMP DAVISON AND LT. E. QUIMARA, USA
CONTRIBUTIONS TO THE MOUNTING OF THE GROUP
WERE MADE BY MR. ROBERT W. JOHNSON
MR. HENRY P. DAVISON AND BY MR. & MRS. PERCY R. PYNE
IN MEMORY OF THEIR SON MERIDITH HOWLAND PYNE


BISON AND PRONGHORN
GIFT OF
MR. AND MRS. R. E. McCONNELL
2012 GIFT OF
DANIEL AND JOANNA S. ROSE









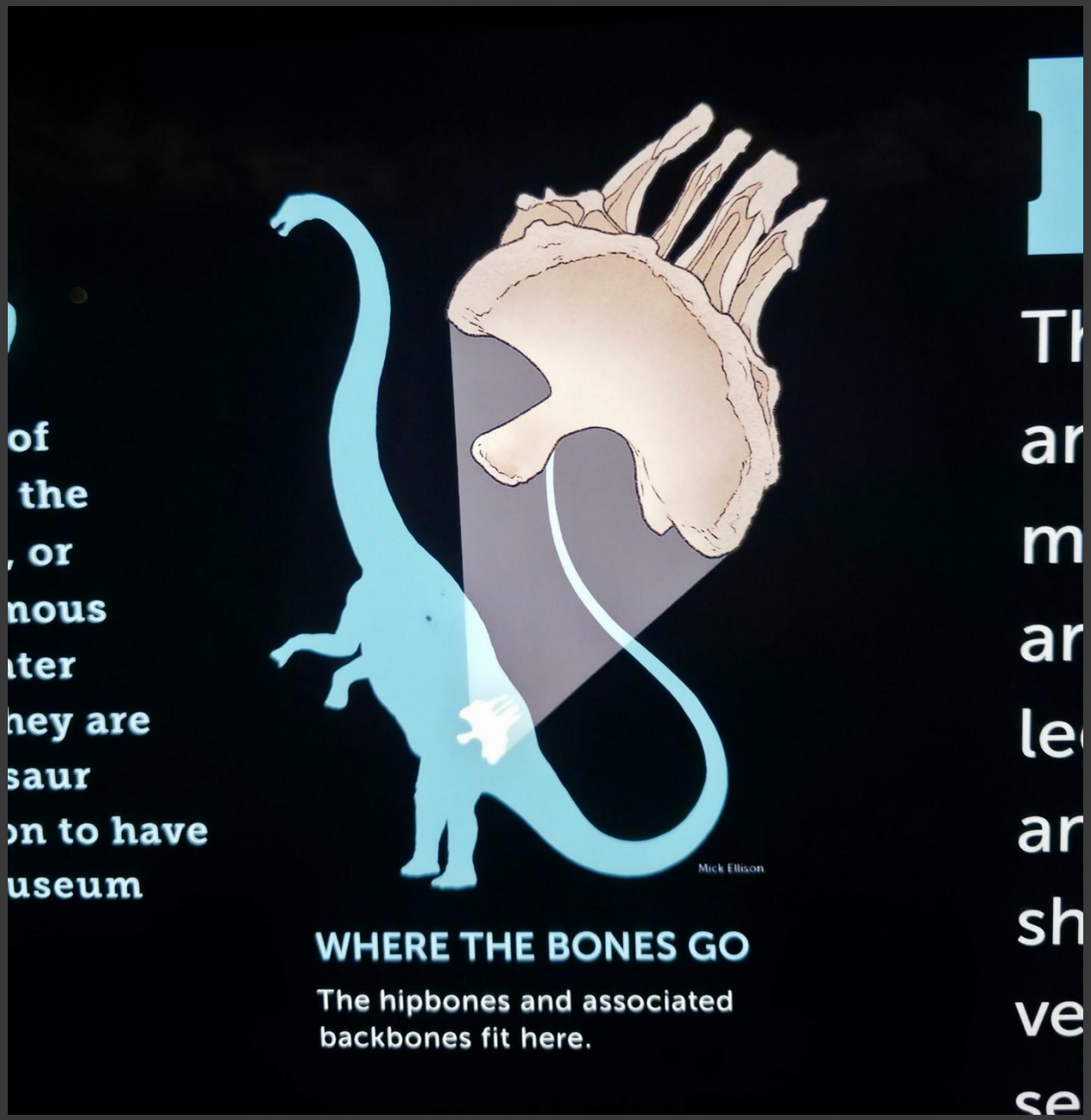





7223




Miriam and Ira D. Wallach
Orientation Center
Ahead to:
Information
Hall of Vertebrate Origins
David H. Koch Dinosaur Wing
Hall of Saurischian Dinosaurs
Library


of
the
, or
nous
ater
hey are
saur
on to have
useum
Mick Ellison
WHERE THE BONES GO
The hipbones and associated backbones fit here.





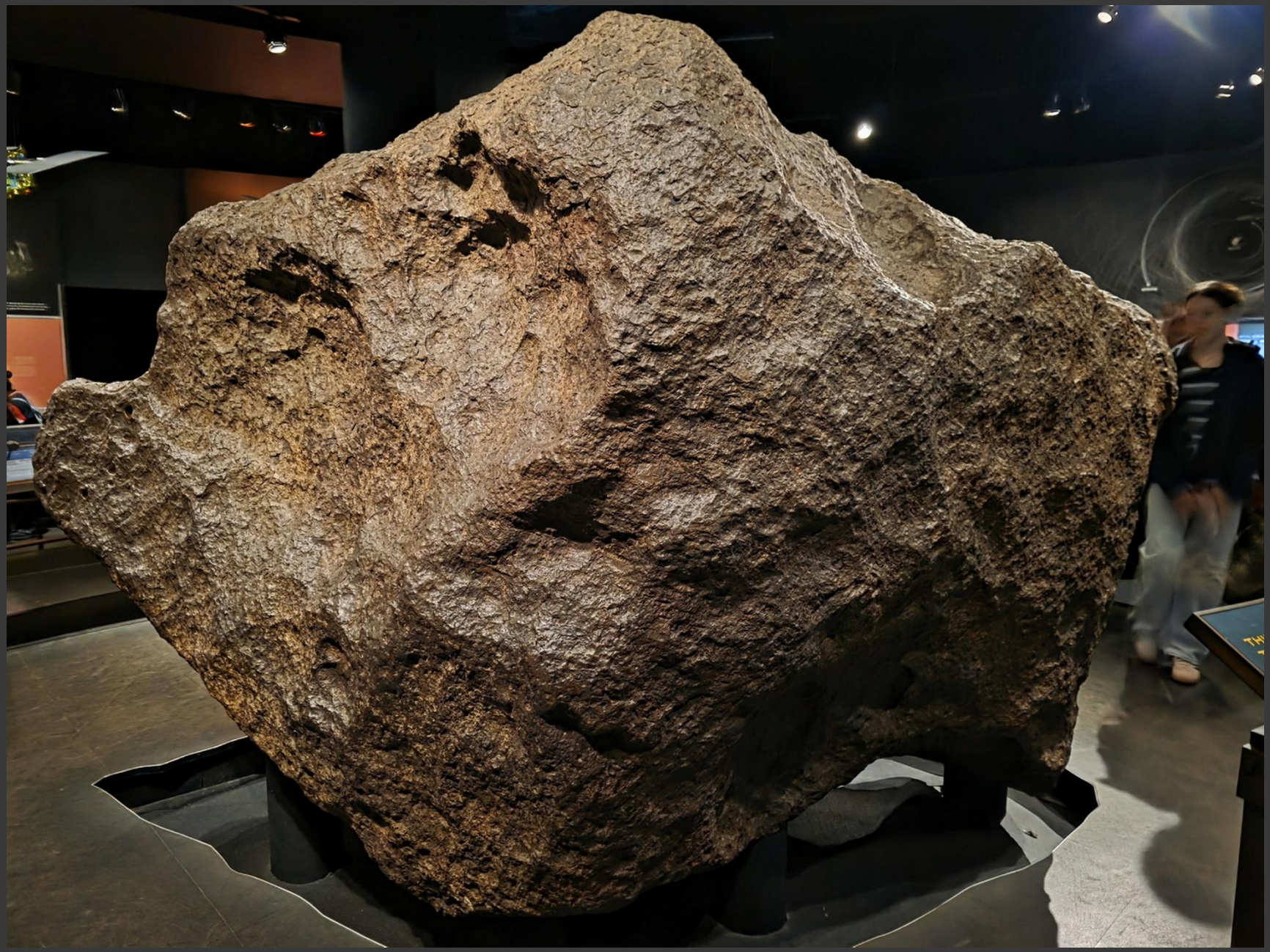

The Skeleton


Flasks
Glassware


Human Origins
Educational Laboratory
Australopithecus afarensis
Hominin Family Tree
American Museum of Natural History
Homo floresiensis
Homo erectus
Homo ergaster
Homo habilis
Australopithecus sediba
Kenyanthropus platyops
Australopithecus africanus
Australopithecus afarensis
Paranthropus robustus
Paranthropus boisei
Paranthropus aethiopicus
Australopithecus garhi
Australopithecus bahrelghazali
Ardipithecus ramidus
2 MYA
3 MYA
4 MYA
5 MYA
6 MYA
This Evolutionary Tree:
lines show how related species
from each other through a
ancestor.
lines indicate very unclear origin
cents.
Points are called nodes. Nodes
a species that once lived, and
the common ancestor of two or
more descendants.
Horizontal lines indicate time.
Orange vertical bars indicate how long
a species is known, from fossils, to have
existed.
Common Misconceptions:
• All species on this evolutionary tree are
ancestors of Homo sapiens.
This is not true. You can follow the dashed
lines back through time to learn which
species are proposed ancestors.
• Evolution progresses toward a goal.
Evolution does not necessarily follow from
simple to more complex, or non-human to
human.
• Evolutionary trees are fixed.
Evolutionary trees are not fixed. They are
based on interpretations of current data.
New evidence or new ways of interpreting
existing evidence can revise them.
the Spitzer Hall of Human Origins


METEORITES
WHAT IF YOU COULD
CATCH A FALLING STAR?
FOR THOUSANDS OF YEARS, PEOPLE HAVE BEEN FASCINATED by streaks of light flashing across the night sky. These "shooting stars" are actually tiny grains of rock from space that "burn up" in Earth's atmosphere before reaching the ground. But many hundreds of times a year or more, a rock called a meteorite survives the fiery trip from space and lands on Earth. A small fraction of these "fallen stars"—really, fallen rocks—are recovered each year from around the globe.
The vast majority of meteorites are pieces of asteroids, the small rocky bodies that orbit the Sun between Mars and Jupiter. And while meteorites are not from stars, they contain vital clues that help scientists understand how stars like our Sun formed and how planets, including Earth, took shape more than four billion years ago.


NTLE
JEWELS
FROM SPACE
THESE STUNNING METEORITES COME FROM A REGION BETWEEN THE CRUST AND CORE OF A DIFFERENTIATED ASTEROID.
Crust
Mantle
Core
GEMS FROM SPACE
Pallasites, with their combination of gleaming metal and translucent olivine crystals, are among the most rare and beautiful of all meteorites. Less than one percent of all known meteorites are pallasites.
BRENHAM
Found 1882
Finney County, Kansas, USA
WHY THE STRANGE MIXTURE?
When newly formed planetary bodies heat and melt, iron and rock-forming minerals separate into a core and mantle. These materials separate like oil and water. So why is iron mixed with the silicate mineral olivine in these stony-iron meteorites?
Perhaps chunks of an olivine mantle fell into an outer core, where churning molten metal tore them apart. Or perhaps the iron and olivine never completely separated. No one really knows. But whatever caused the mixing, the stony-iron meteorites known as pallasites provide a snapshot of this dynamic process at the moment when the mixture solidified.
ROUND VS. ANGULAR CRYSTALS
Most pallasites, including Springwater (right), have rounded olivine crystals. But in Rocknest (New MX), the olivine crystals are much more angular. Both textures originated when molten iron was forced between olivine crystals in a partially melted asteroid. The rounded crystals formed when angular crystals partially melted and recrystallized – perhaps because they were deeper inside and thus took longer to cool.
SPRINGWATER
Found 1937
Saskatchewan, Canada
ESQUEL
Found 1951
Chubut, Argentina
A MIX-LEADING MIXTURE
Many scientists like what meteorites. In this case because it is a mixture of stone and iron. But it is actually a meteorite, a completely different kind of meteorite. Chunks pulled from which come from a region near the iron, semi-melted rock a mixture of iron from the core and rock from the mantle. These materials could not form in the same place. They must have come at very different rates and then have fractured together, a process that must have been a powerful impact.
MIGEY
Found 1937
Texas County, Missouri, USA
ALBIN
Found 1949
Laramie County, Wyoming, USA



Edelsteine




Sph
Digenite
Stib


Leached Zone
Water containing dissolved gases oxidizes sulfide minerals at the surface of an exposed ore body, forming sulfuric acid and removing soluble metal ions. This leaves behind a rusty leached zone.
Oxidized Zone
As water enriched in acids, metals and oxygen descends, it reacts with existing minerals to form carefully oxide, sulfate and carbonate minerals.
Enriched Sulfide Zone
Below the water table, where oxygen-starved ore body is water enriched with metals from above, precipitate enriched sulfide minerals. This zone has the higher metal concentrations.




WEATHERING ENVIRONMENTS
Our Colorful Planet
Of all the known planets, only Earth is rich in atmospheric oxygen that transforms metal sulfide deposits into the vibrantly hued minerals displayed here. These deposits are radically altered when they are exposed to free oxygen and other agents of weathering, producing oxidized zones abundant in bold, beautiful minerals.
Hidden Hues
Mines in the oxidized zone not only contain valuable ore, but also produce superb specimens. Will this green mineral join a collection, or be processed to extract copper?
Consistent Color
Getting Darker
Tendency to Tint
Consistent Color
1. Brochantite Chuquicamata, Antofagasta, Chile
2. Brochantite Cuitaca, Sonora, Mexico
3. Malachite with azurite Bisbee, Arizona, USA
4. Chrysocolla Globe, Arizona, USA
5. Chrysocolla Democratic Republic of the Congo
6. Olivenite Eureka, Utah, USA
8. Azurite Bisbee, Arizona, USA
10. Azurite with malachite Morenci, Arizona, USA Gift of Stephen B. Ryer
11. Cyprosklodowskite Kolwezi, Lualaba, Democratic Republic of the Congo
14. Metatorbernite Shinkolobwe, Haut-Katanga, Democratic Republic of the Congo
15. Digenite Tsumeb, Otjikoto, Namibia
16. Digenite Shinkolobwe, Haut-Katanga, Democratic Republic of the Congo
Getting Darker
17. Mottramite Mammoth Mine, Arizona, USA
18. Cuprite var. chalcotrichite Morenci, Arizona, USA
19. Mottramite Bisbee, Arizona, USA
20. Cuprite Morenci, Arizona, USA
21. Mottramite Tsumeb, Otjikoto, Namibia Gift of Vera & Anthony Fahn
Tendency to Tint
24. Vanadinite Midelt Province, Drâa-Tafilalet, Morocco
25. Adamite Ojuela, Mapimí, Durango, Mexico
26. Adamite Ojuela, Mapimí, Durango, Mexico
27. Pyromorphite Broken Hill, New South Wales, Australia
28. Pyromorphite
30. Adamite Lavrion, Attica, Greece
31. Pyromorphite Bad Ems, Rhineland-Palatinate, Germany
33. Wulfenite Touissit, Oriental, Morocco Gift of Dennis Menach
35. Vanadinite Tsumeb, Otjikoto, Namibia
36. Vanadinite Ogdensburg, New Jersey, USA
37. Vanadinite Granby, Missouri, USA
39. Smithsonite Massa, Sardinia, Italy
40. Smithsonite Tsumeb, Otjikoto, Namibia
43. Smithsonite Tsumeb, Otjikoto, Namibia
44. Smithsonite Kelly Mine, New Mexico, USA
Why is Rust Red?
One familiar example of oxidation is rust: the coating of iron oxides that forms on iron and its alloys. Metallic iron is shiny and gray because its surface reflects most visible light. When exposed to free oxygen, iron forms iron oxides. These surfaces absorb short wavelengths of light, which we see as blues and violets, and reflect longer wavelengths of warm colors: yellow, orange, brown and, of course, red. In the presence of some


6







DOMESTIC SILKWORM MOTH

Bombyx mori
Order: Lepidoptera

Fabio Colombini Medeiros/Animals Animals/AGE Fotostock

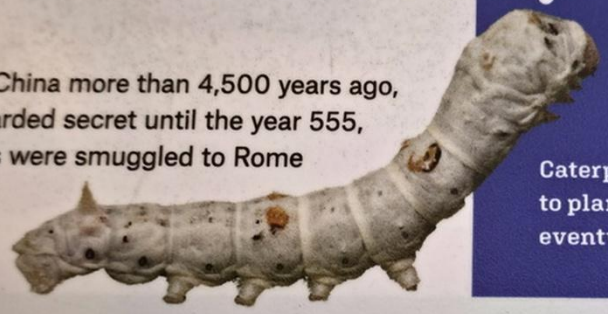
Many caterpillars secrete silk from glands on the head, but silkworms make the finest, most valuable silk

Over centuries of being bred by humans, adult moths now have wings too small to fly, so they can no longer survive in the wild

Caterpillar uses silk to anchor itself to plants, join leaves for shelter and eventually build a cocoon

Did you know?

Silk production began in China more than 4,500 years ago, where it was a closely guarded secret until the year 555, when silkworm moth eggs were smuggled to Rome



Herbivore

Caterpillar eats mulberry leaves, adult doesn't eat

Where it lives

Native to Southeast Asia; no longer lives in the wild, only on silk farms

By the numbers

Cocoon is spun from single thread up to half mile (1 km) long; takes more than 2,500 cocoons to make a pound of silk



durch den Central Park








freshdirect


David H. Koch Plaza



The MET Museum

mit dem Bus zurück zum Times Square




BENJAMIN
STEAK HOUSE
2T87

Columbus Denkmal





M & M´s Shop


ORIGINAL TASTE
GALILEO
A NEW MUSICAL
SHUBERT THEATRE | 225 W 44TH ST. | GalileoMusical.com

Red Stairs



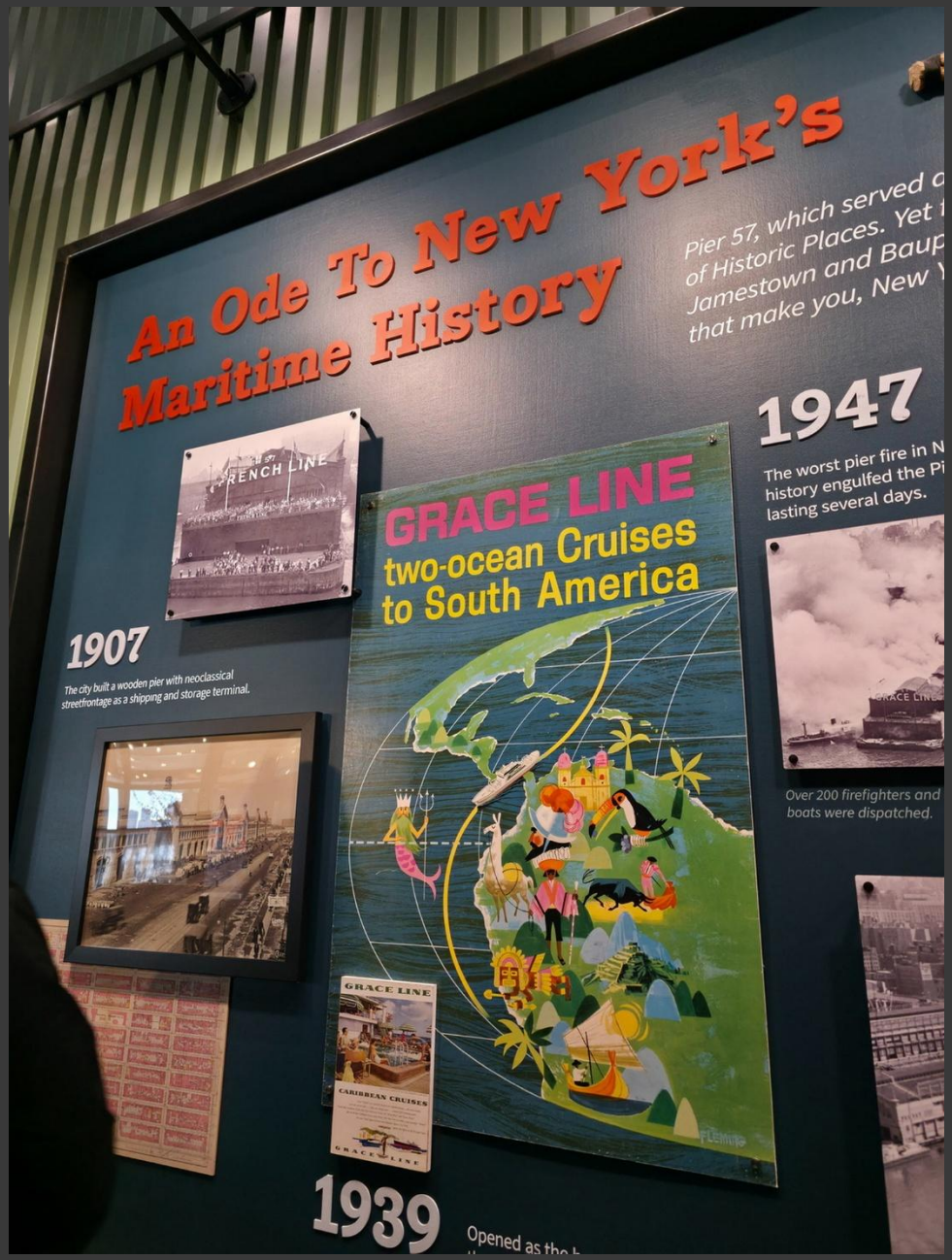
Flat Iron


40
Broadw
BROADWAY BUS LANE
BUSES ONLY
PINK
KABACK
Auntie Anne's
Now Rolling
4V27
BUS

5th Avenue



Supreme Court



Pier 57 / Food Court

boats were dispatched.

turned on its side it would be 36 stories tall.



The caissons weigh as much as 27,000 short tons, but float because they weigh less than the 47,000 short tons of water that they displace. Their buoyancy supports 90% of the pier's








EXIT
Little Banchan Shop
Shawarma & Co.
Noon Wah
Harlem Hoops



Litte Island



„Cunard White Star Arch“ / Der heute rostrote Bogen gehörte zum historischen Empfangsgebäude des Piers 54, an dem 1912 die Überlebenden der Titanic an Land gingen



The Edge / Aussichtsplattform



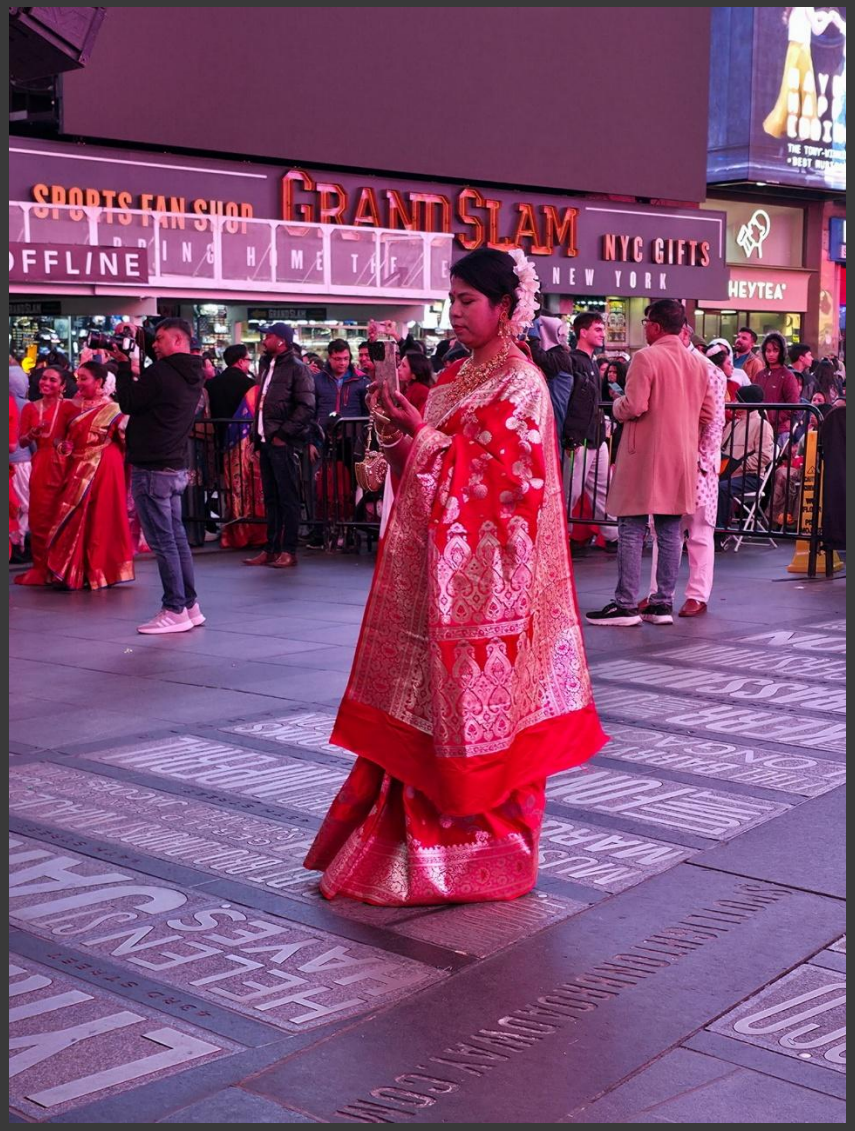
USS Intrepid Museum



Times Square mit indischem Lichterfest






SPORTS FAN SHOP
GRAND SLAM
NYC GIFTS
NEW YORK
HEYTEA

zu Fuß Richtung Rockefeller Center




SABRETT
WE'RE ON A ROLL !!!
NEW YORK BEST HOT DOG
Chicken Gyro
Lamb Gyro
Chicken Kebab Over Rice
Chili Dog
Corn Dog
Jumbo Hot Dog
Italian Sausage
SATURDAY, JANUARY 31

Top of The Rock




TOP





Blick auf den Central Park



Liberty Statue



Empire State Building / One World Center im Hintergrund

“The Beam” Nachstellung des historischen Fotos „Lunch at a skyscraper“





(web)



Midtown



The Edge




TOP OF THE ROCK®
SKYLIFT
PRESENTED BY VISA
Disclaimer:
Guests must follow all safety guidelines and instructions provided by the facility and staff.
Translation cards are available upon request.
Guest safety is our top priority. Guests who are pregnant, have certain medical conditions, are prone to motion sickness, fear heights, or have disabilities may not be able to participate but are welcome to observe. Those who require life-saving medication, oxygen tanks, or devices should not take part.
All children under the age of 16 must be supervised by an adult at all times. Both must have a SkyLift ticket.
We may expel or refuse to admit, without refund, any person whose conduct is objectionable.
Your ticket to SkyLift is valid only for the date and time listed on your ticket.
You grant us permission to use your image for broadcast from or promotion of Top of the Rock.
SkyLift may be closed for maintenance or other reasons without prior notice. In such instances, your ticket for SkyLift will be fully refunded.
SkyLift Rules:
Children under the age of 16 must be accompanied by a supervising adult. Supervising adults are responsible for ensuring their children follow all communicated rules and posted signage. Under no circumstances can children be left unsupervised or under the care of staff.
Backpacks and other large bags are not allowed on SkyLift. Small bags such as purses, fanny packs, sling bags, are allowed and must be worn at all times.
Cellphones and small hand-held cameras are allowed on SkyLift. Other electronic devices and equipment, including selfie sticks and tripods, must be stored. Cubbies are available to safely store valuables during your experience.
Guests may not sit, run, or place anything stationary on the platform. Hanging or extending anything over the platform railing, including coats, bags or other personal items, is not allowed.
Guests under the influence of alcohol, drugs, or other substances will not be permitted on SkyLift.
No smoking or vaping is permitted at Top of the Rock.
No bicycle, stem carriages or water bottles are allowed on SkyLift. Water bottles must be stored in the cubbies.
No pets allowed. Service and emotional support animals are not permitted on SkyLift. Guests with service animals must have a member of their party supervise the service animal for the duration of their experience.
Guests with special needs must be accompanied by a supervising adult at all times. Wheelchairs, walking frames, and mobility scooters are allowed. Wheelchair brakes must be fully engaged for the duration of your SkyLift experience.
Baby strollers and carriers may be temporarily stored in an area designated by staff.
Maximum capacity on SkyLift is 14 persons including the operator.
SKYLIFT
VIP &
EXIT ONLY

The Rink / Eislaufbahn am Rockefeller Center



Prometheus Statue / Rockefeller Center



St. Patrick´s Cathedral






ST. PATRICK'S
CATHEDRAL



Rockefeller Center

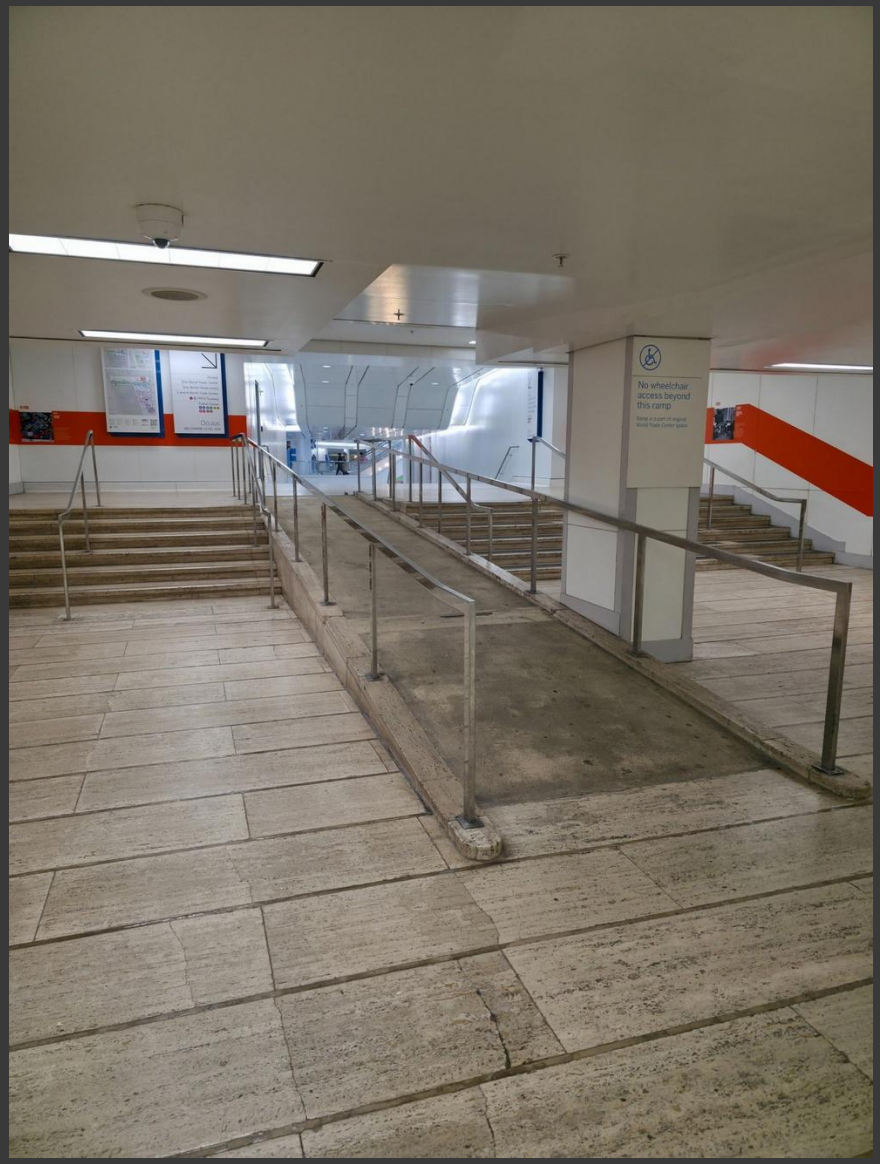


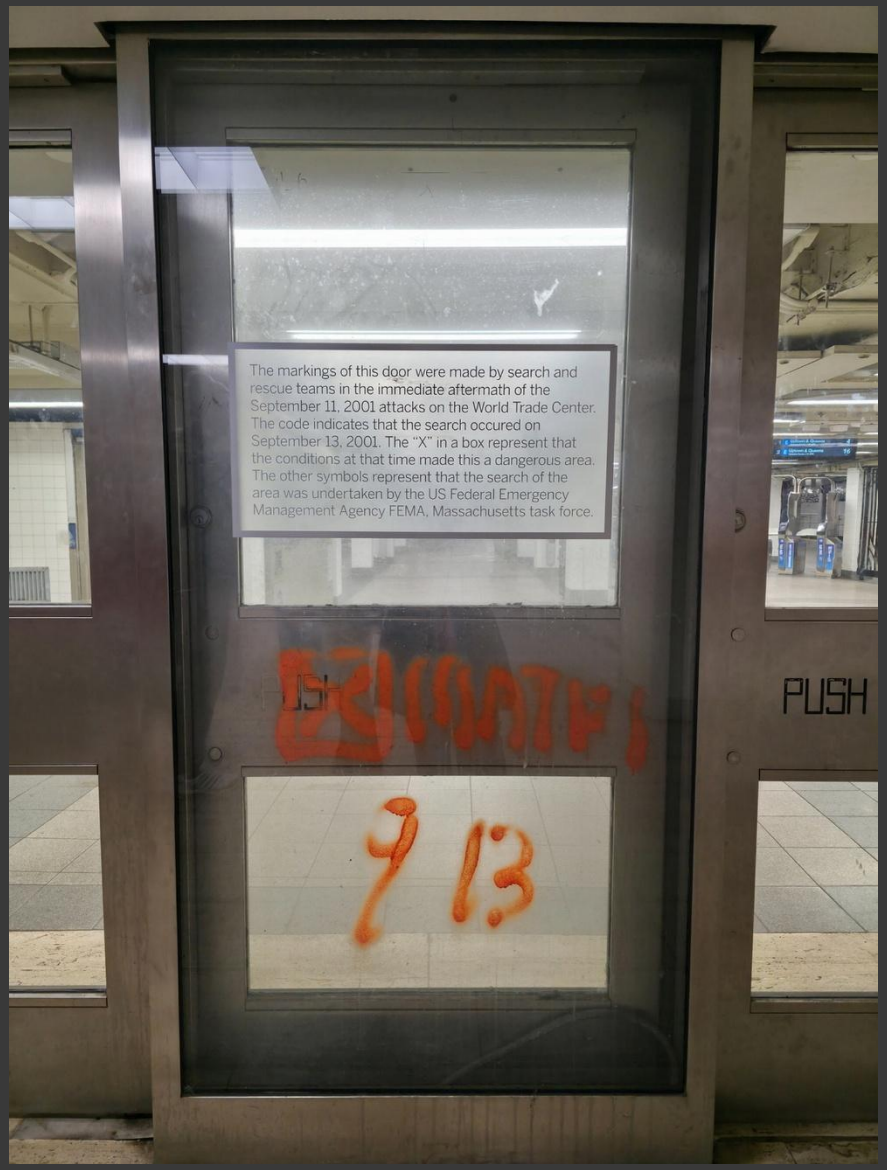
Weg zum Oculus

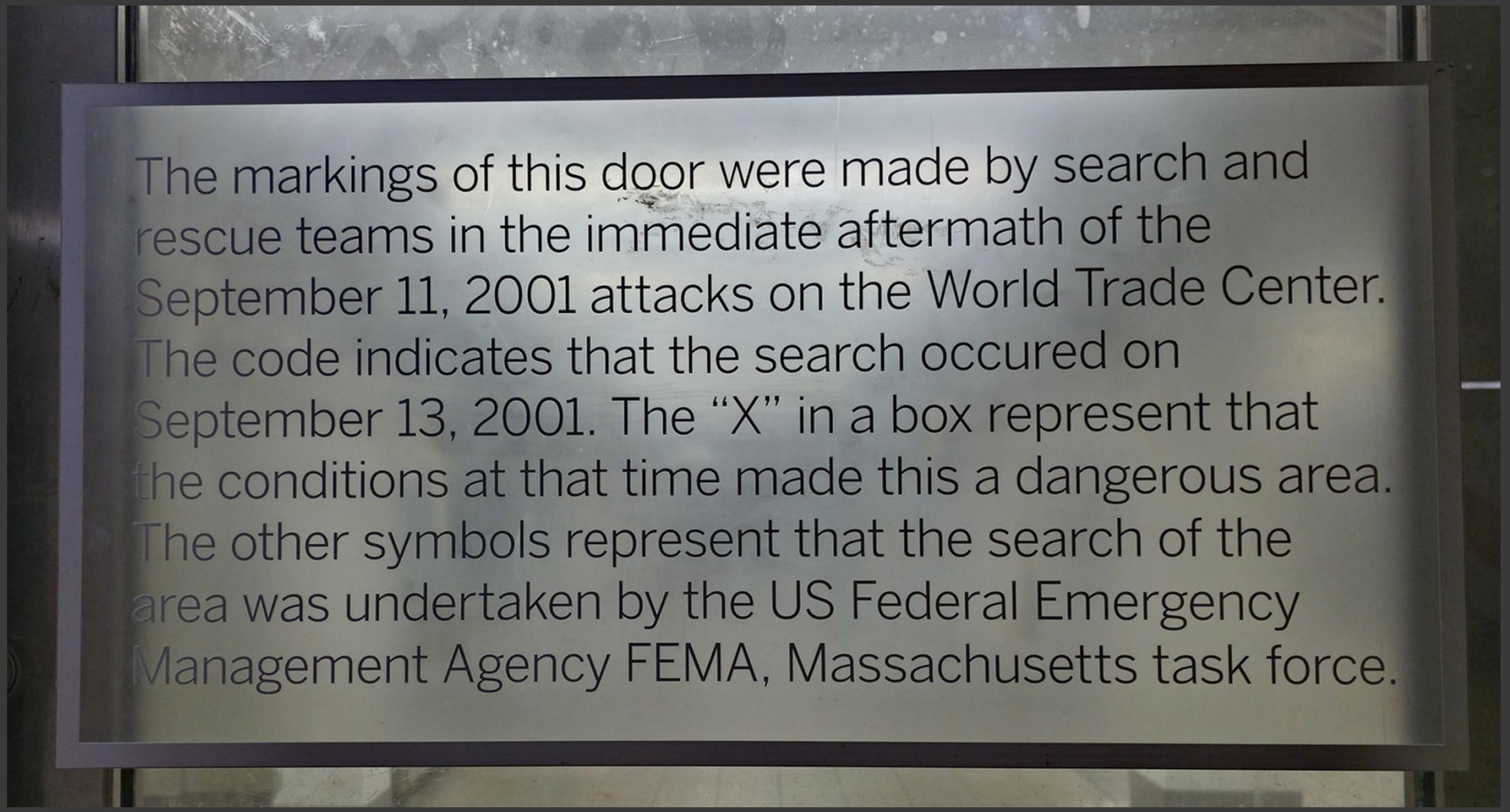




Original Boden und Türe aus der damaligen unterirdischen Einkaufspassage zwischen den Twin Tower







Am 13.09. wurde die Markierung gemacht und das X bedeutet, dass der Bereich dahinter unsicher bzw. lebensgefährlich ist

The Oculus / neue Subwaystation am Memorial mit Shopping Mall

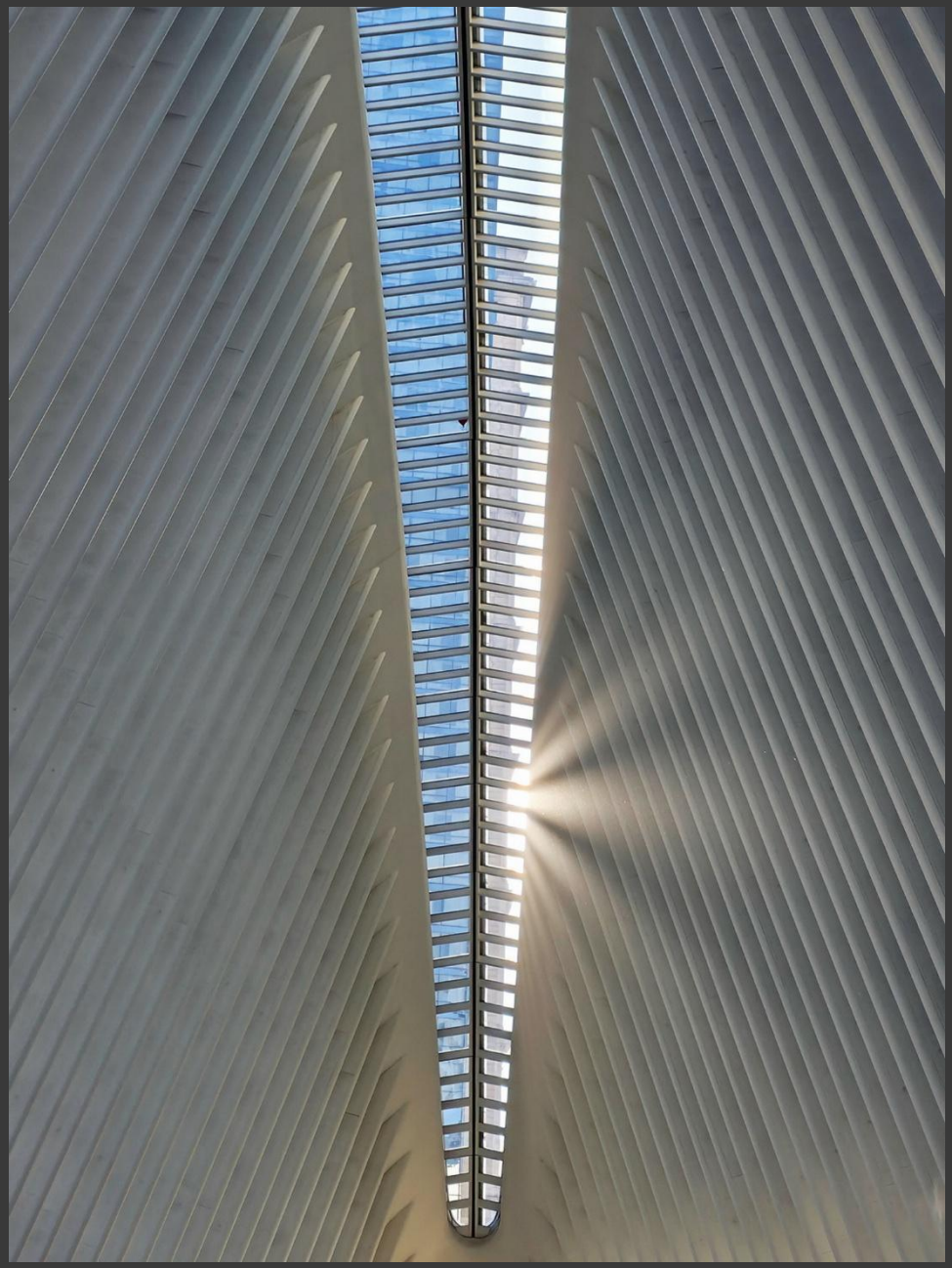




voher (web)


WORLD TRADE CENTER
185
GREENWICH



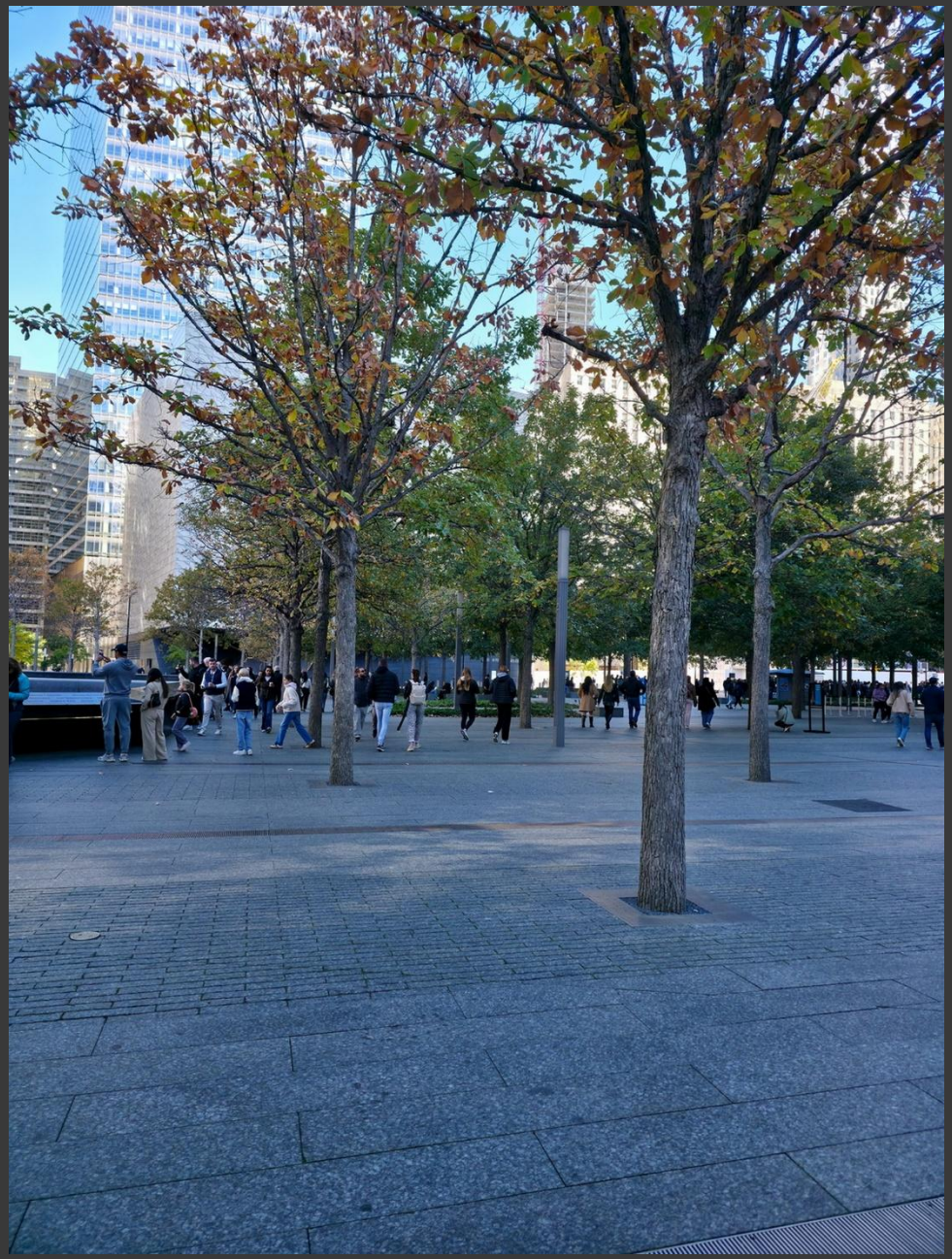



amazon
Source: 2025 Profitero Price Wars Study. Based on national analysis of 10,000+ identical products across 23 leading U.S. online retailers.
World Trade Center Station
E
across Church St
R W A C 2 3
via passageway

One World Trade Center von außen / ganz nah dran sieht es aus wie ein Dreieck



Bereich am Ground Zero zwischen den Pools



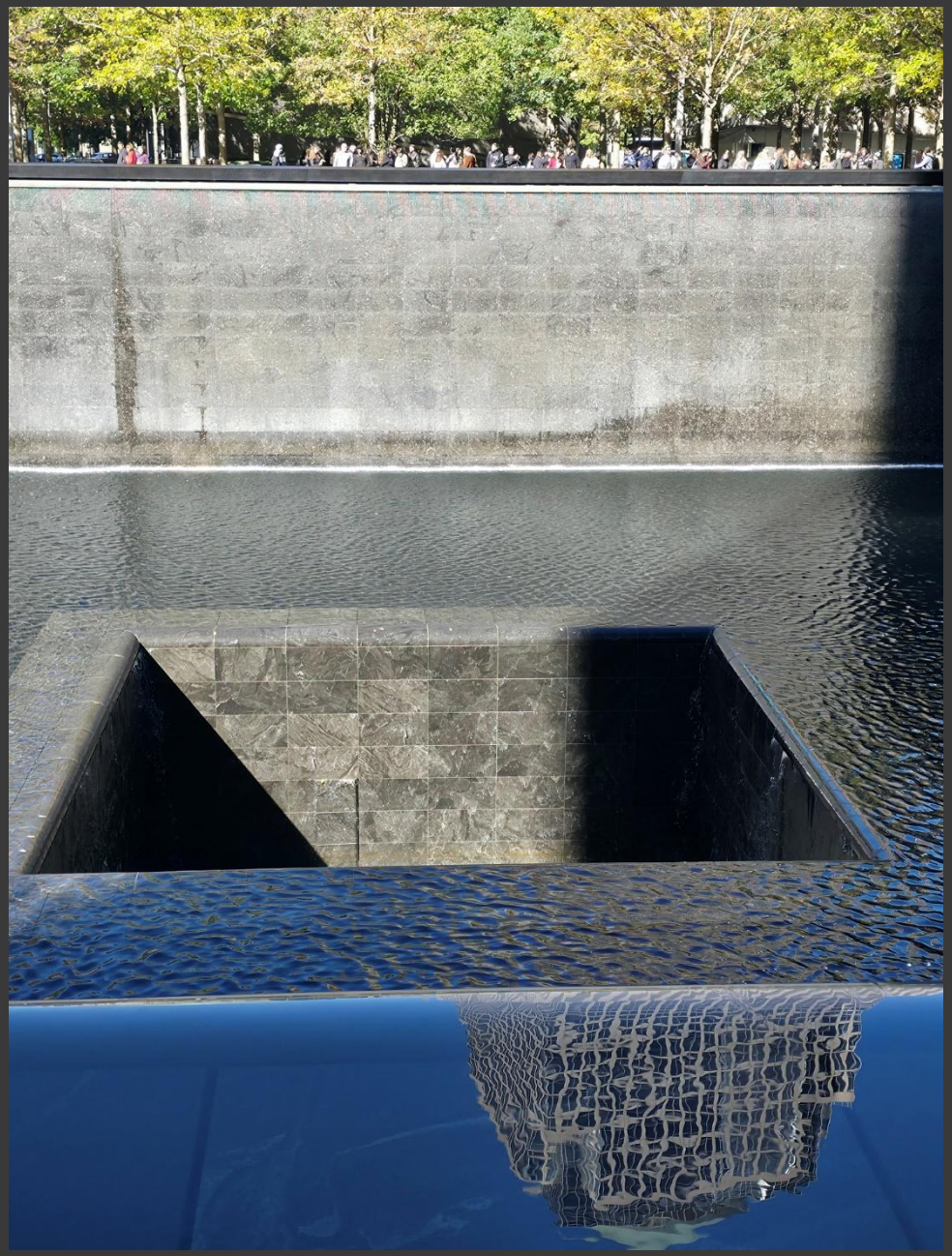


„Reflecting Absence“ die beiden Pools am 9/11 Memorial stehen auf der exakten Grundfläche der Twin Tower



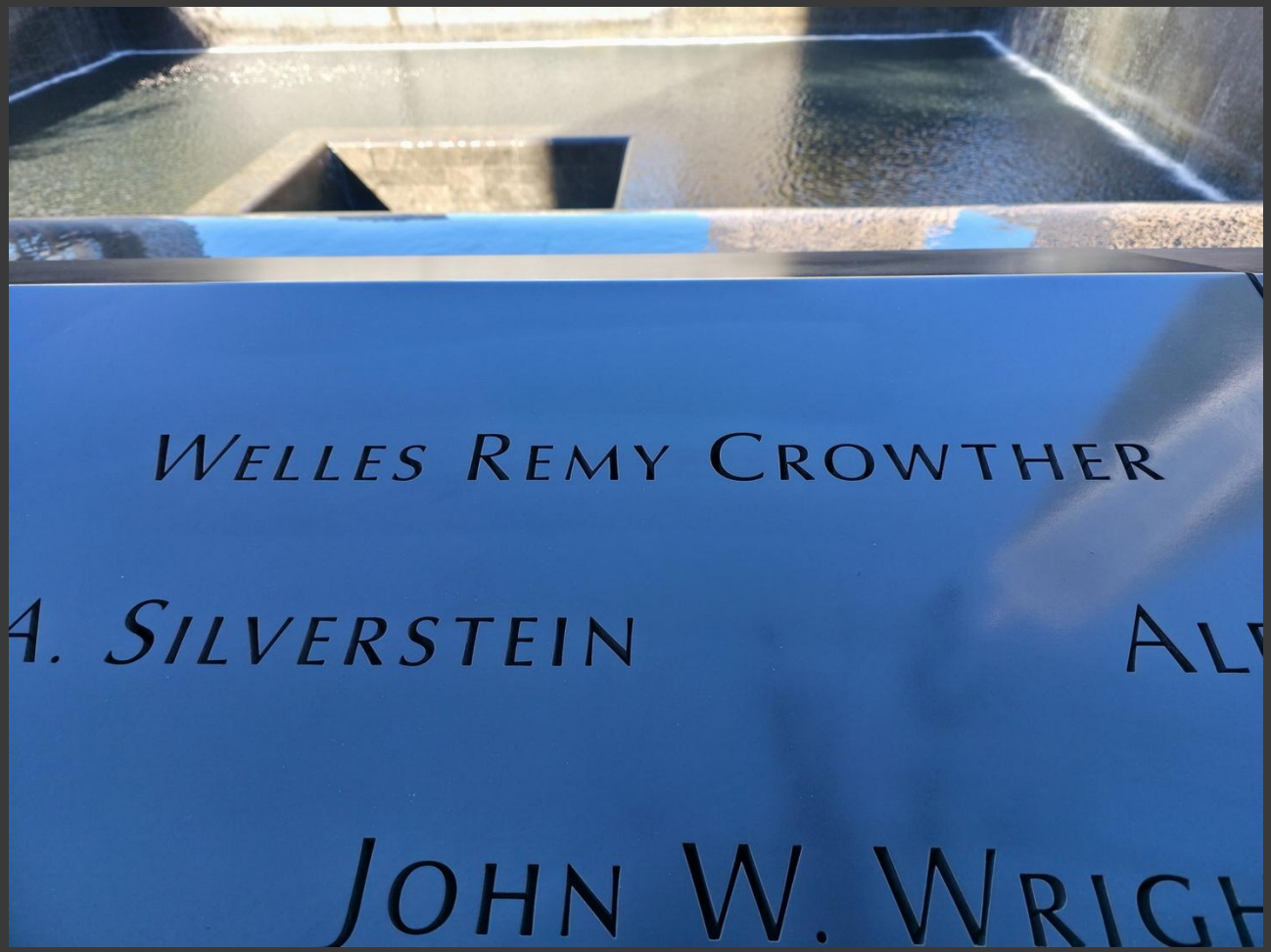


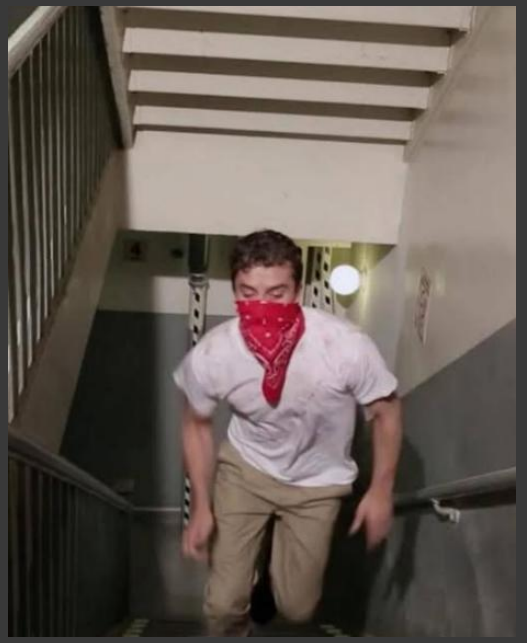






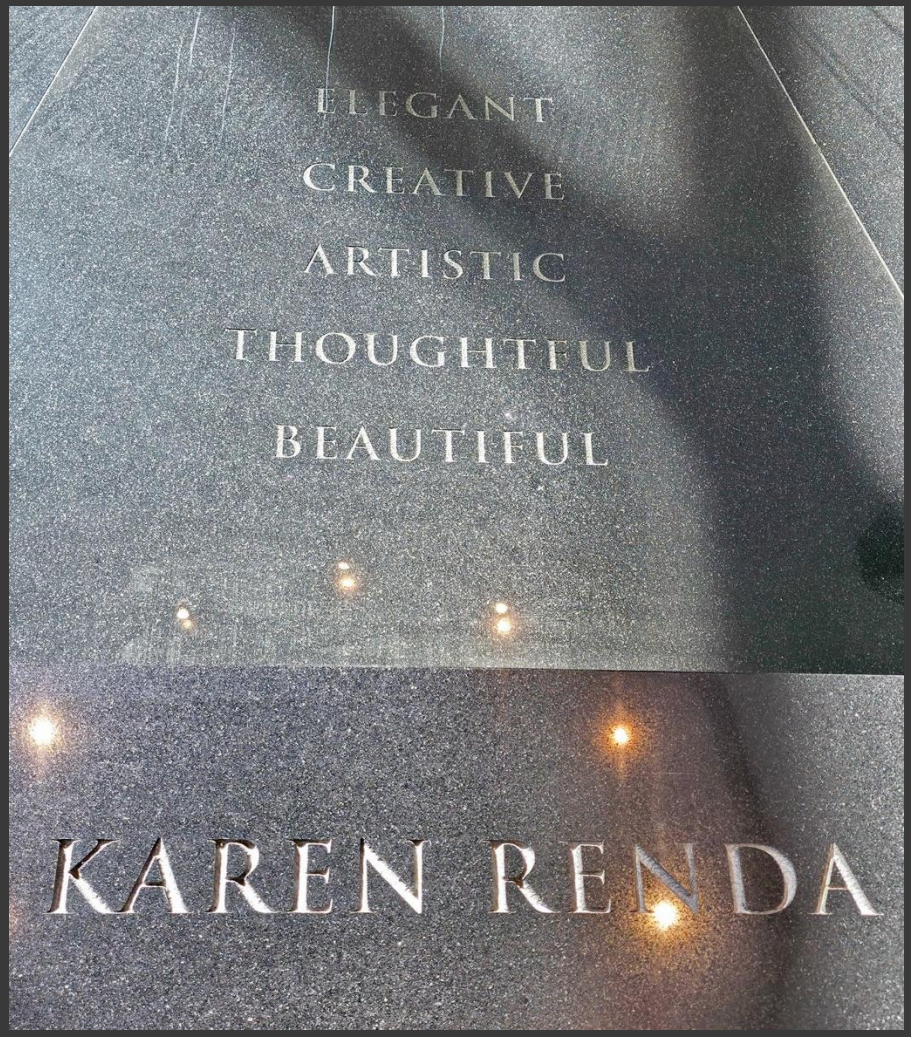
Der Name von Welles Remy Crowther – graviert in den Southpool -
“Man in the red bandana” - ein 24-jähriger Aktienhändler und freiwilliger Feuerwehrmann, der während der Terroranschläge vom 11. September bis zu 18 Menschenleben rettete





Eleven Tears / Quarzkristall an 11 Drahtseilen in einem nahe gelegenen Bürogebäude zur Erinnerung an 11 verlorene Mitarbeiter






ANNE TALSKY HANSON

Survivor Tree - eine Chinesische Wildbirne, die sehr ramponiert überlebt hat

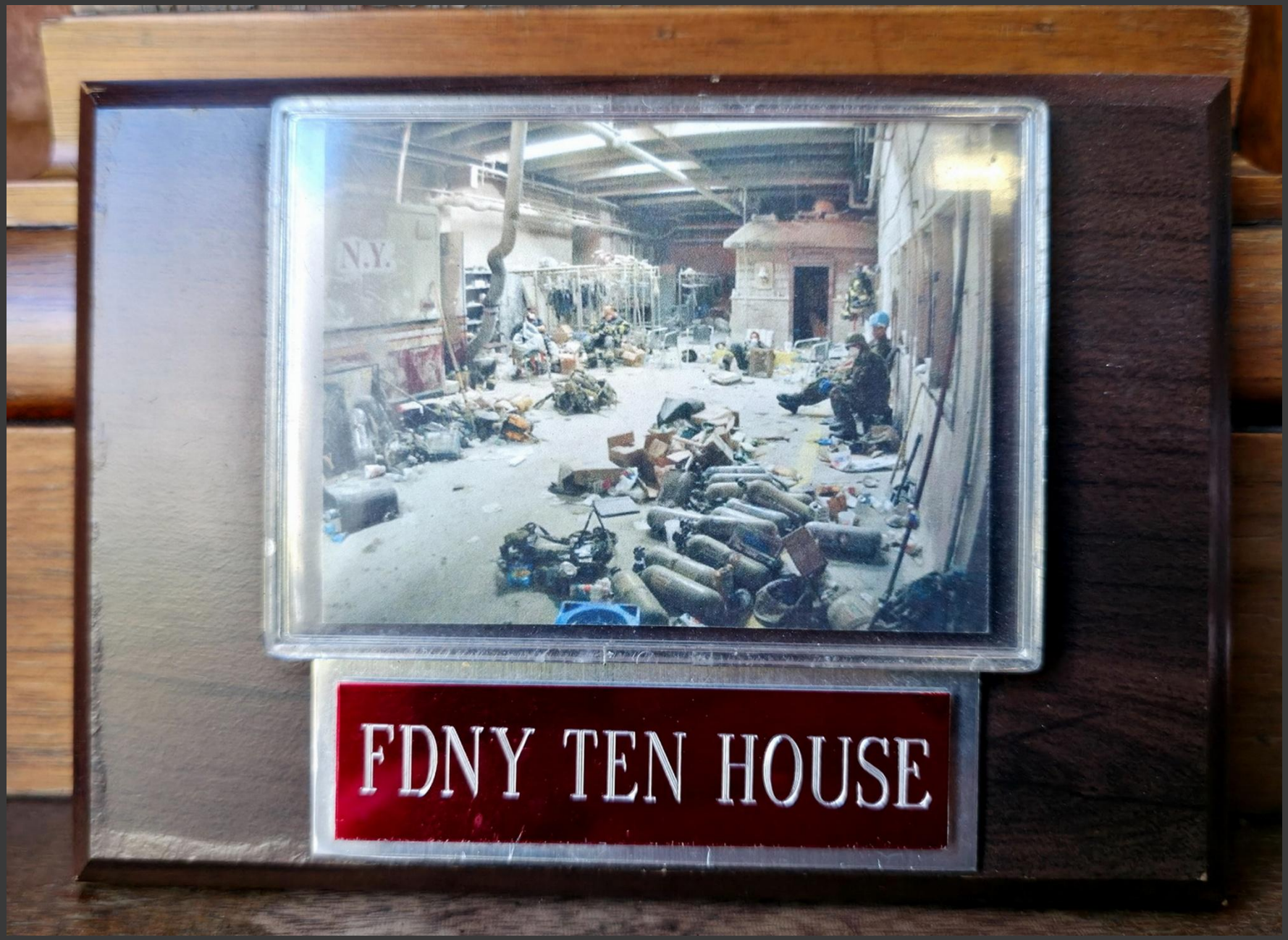


Ladder 10 / Engine 10 - Leiterwagen und Löschfahrzeug die auf Grund der Nähe als Erste vor Ort waren




TENHOUSE BRADEST
DEDICATED
TO THE MEMORY OF
LIEUTENANT
GREGG ATLAS
ENGINE CO. 10
WHO MADE THE SUPREME SACRIFICE
WHILE IN THE PERFORMANCE OF DUTY
OPERATING AT MANHATTAN BOX 5-5-3331
DIED THAT OTHERS MAY LIVE
SEPTEMBER 11, 2001
DEDICATED
TO THE MEMORY OF
FIREFIGHTER
PAUL J. PANSINI
ENGINE CO. 10
WHO MADE THE SUPREME SACRIFICE
WHILE IN THE PERFORMANCE OF DUTY
OPERATING AT MANHATTAN BOX 5-5-3331
DIED THAT OTHERS MAY LIVE
SEPTEMBER 11, 2001
DEDICATED
TO THE MEMORY OF
FIREFIGHTER
JEFFREY J. OLSEN
ENGINE CO. 10
WHO MADE THE SUPREME SACRIFICE
WHILE IN THE PERFORMANCE OF DUTY
OPERATING AT MANHATTAN BOX 5-5-3331
DIED THAT OTHERS MAY LIVE
SEPTEMBER 11, 2001
LIEUTENANT
GREGG ATLAS
LIEUTENANT
STEPHEN BARRELL
FIREFIGHTER
PAUL PANSINI
FIREFIGHTER
SEAN TALLON
FIREFIGHTER
JEFFREY OLSEN
BEC CAPTAIN
JAMES CORRIGAN


ENGINE CO. 10
WHO MADE THE SUPREME SACRIFICE
WHILE IN THE PERFORMANCE OF DUTY
OPERATING AT MANHATTAN BOX 5-5-8087
2001 - 2021


FDNY TEN HOUSE


NYC
BIKE ROUTE




LIBERT
ST
10
TO REPORT A FIRE
DIAL 911


TEN HOUSE
DATE 09/11/2001 Tour 9x6
ENGINE - TRUCK
OFF LT. G. ATLAS
CHAUF FF. D. PERITORE
NOZ FF. J. SCHROEDER
B.U. FF. M. CASTIGLIONE
CON FF. M. DULSKI
DOOR FF. T. RIVERA
DETAIL FF. P. PANSINI
E-26
OFF LT. S. HARRELL
CHAUF FF. J. MORABITO
CAN FF. S. TALLON
F.E. FF. J. OLSEN E10
O.V.M. FF. S. PILIPCZUK
ROOF FF. M. CANCEL
DETAIL FF. J. MOORE
SINCE 1892
Reebok



Die Helme an der Decke gedenken der verstorbenen Kameraden


DEWALT
U.S. SUPP
RT GR
ST TIMER


America
YETI
WARNING
COLD WATER
FDNY
McNALY


COLD WATER
FF Clemente


FIRE DEPARTMENT
CITY OF
NEW YORK
FDNY
hats and shirts
available here!
ENGINE 10
FDNY
LADDER 10
Downtown NYC

Kupferrelief der Feuerwache 10 direkt am 9/11





Relief in ganzer Breite

O `Hara´s - ein legendärer irischer Pub, nur wenige Schritte vom Ground Zero und dem 9/11-Mahnmal entfernt, der zu einem wichtigen Zufluchtsort, einem Zentrum der Bewältigung und einem lebendigen Mahnmal wurde






LOTHIAN & BORDERS
RAMSEY
NEVADA
UNITED





Hier geben die Besucher seit vielen Jahren Patches aus aller Welt ab – sie hängen überall an den Wänden und der Decke


POLIZEI


FREIWILLIGE
FEUERWEHR
ALTRIP


POLIZEI


FEUERWEHR
WITTINGEN


POLIZEI


POLIZEI

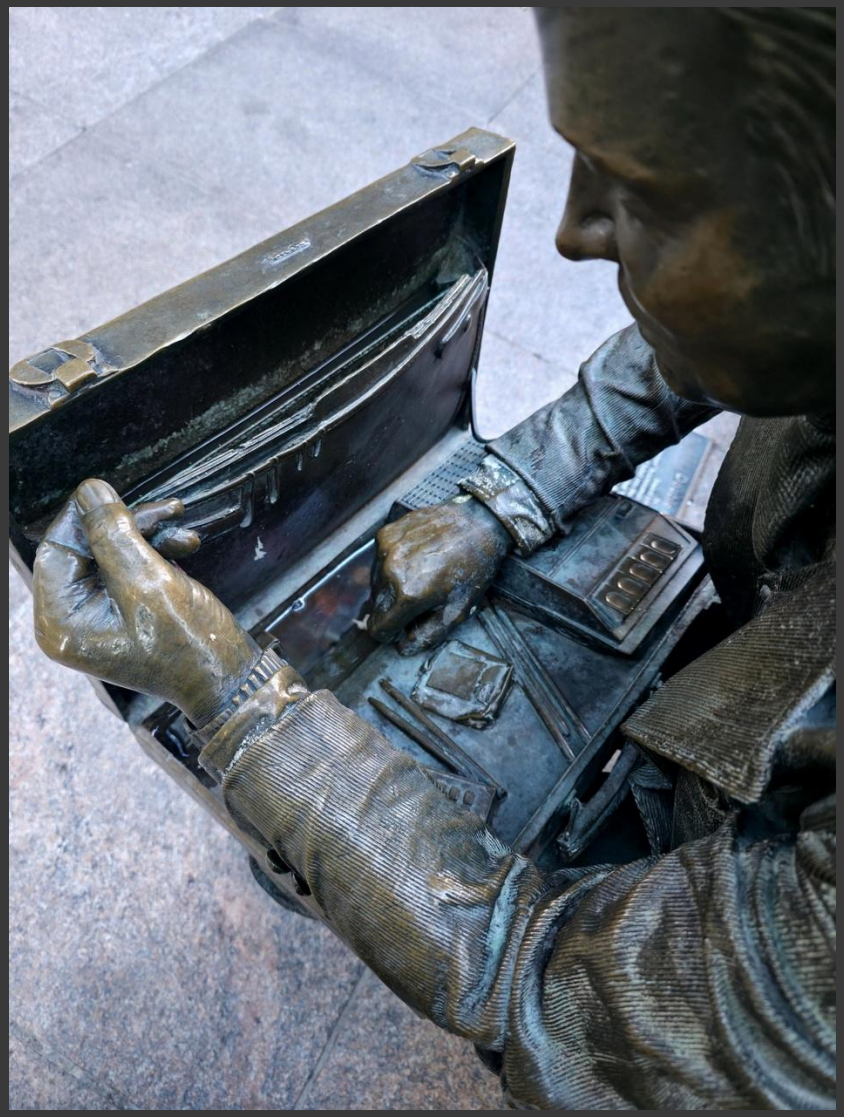

CHIEF 3
FREIWILLIGE
FEUERWEHR
BERNHARDSWALD

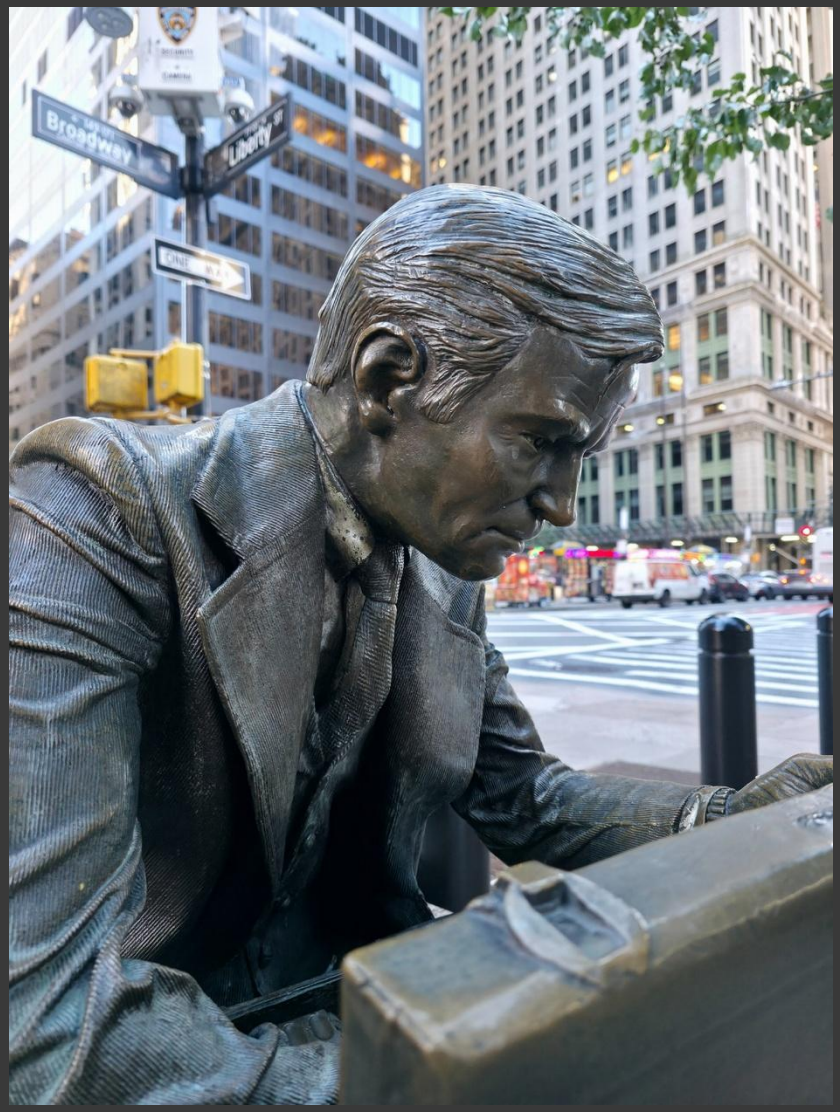
Double Check “The Survivor” – Bronzefigur, die wegen des Staubs sehr oft für eine Person gehalten wurde





(web)




Broadway
Liberty St

St. Paul´s Chapel + Bell of Hope





9/11 Memorial

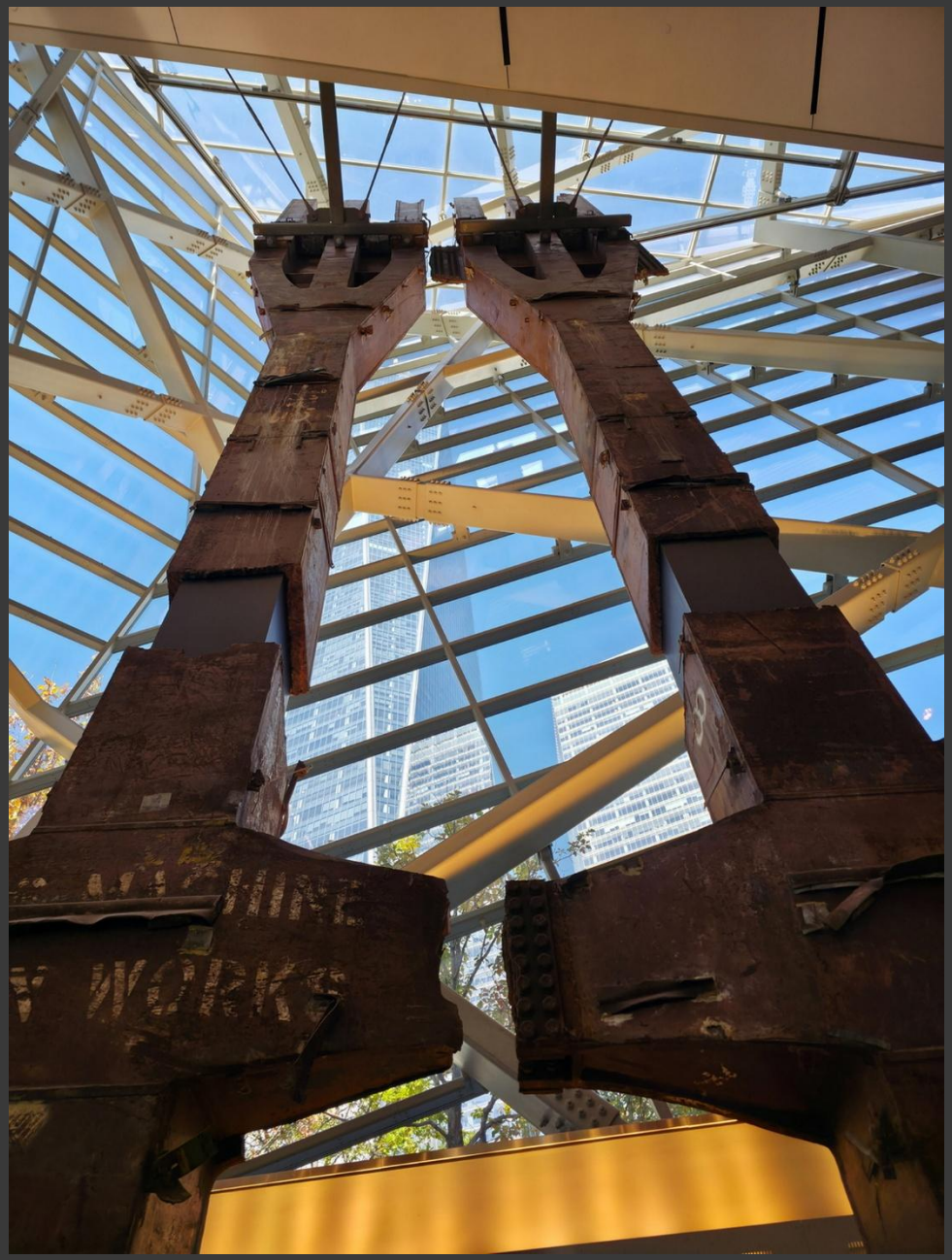




Krawatte eines Mitarbeiters im Museum

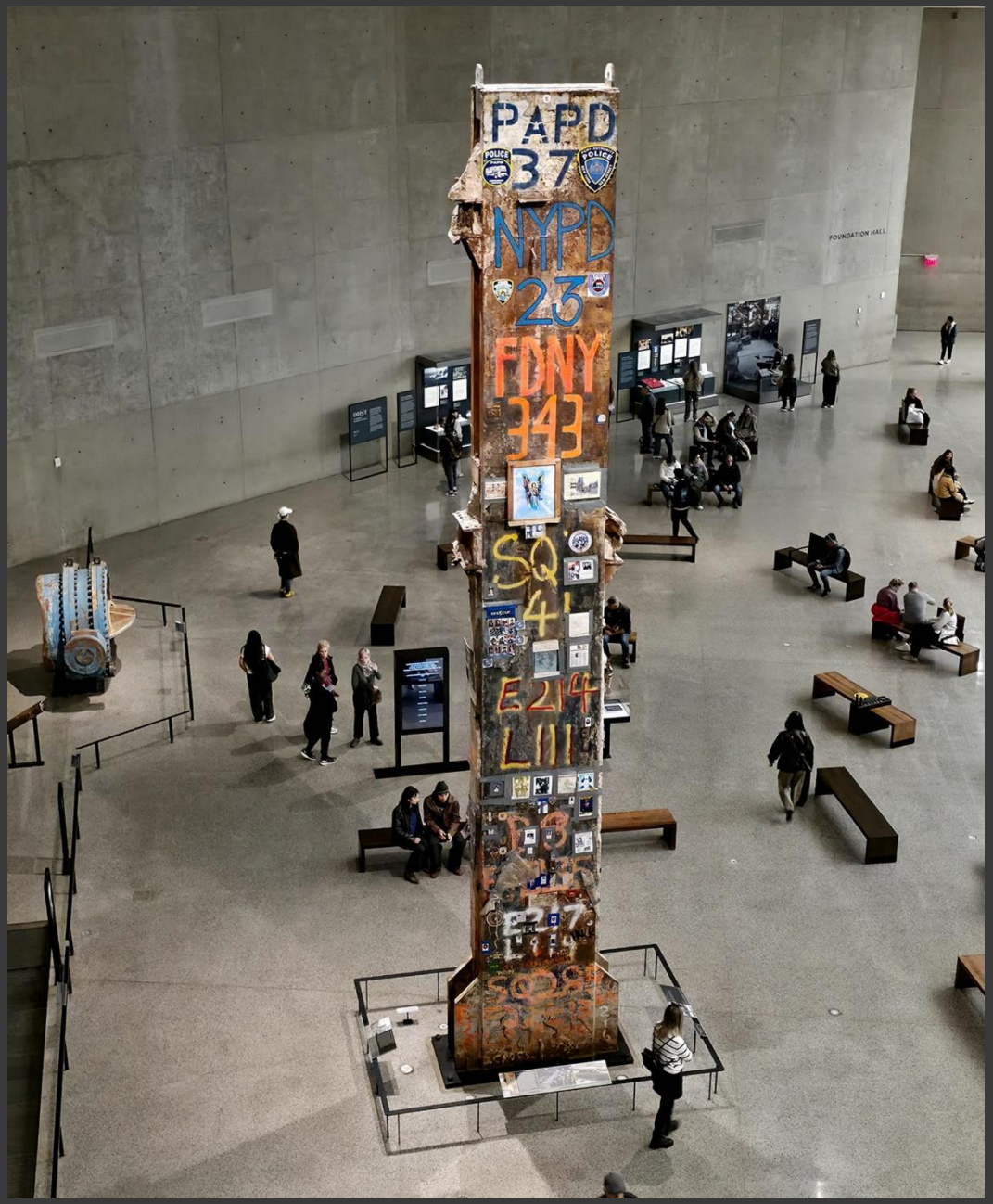


„The Sphere“ vor dem Einsturz am Plaza






SEPTEMBER 11, 2001


PAPD
37
NYPD
23
FDNY
343
SQ
4
E214
L11
FOUNDATION HALL





Dedication pedestal

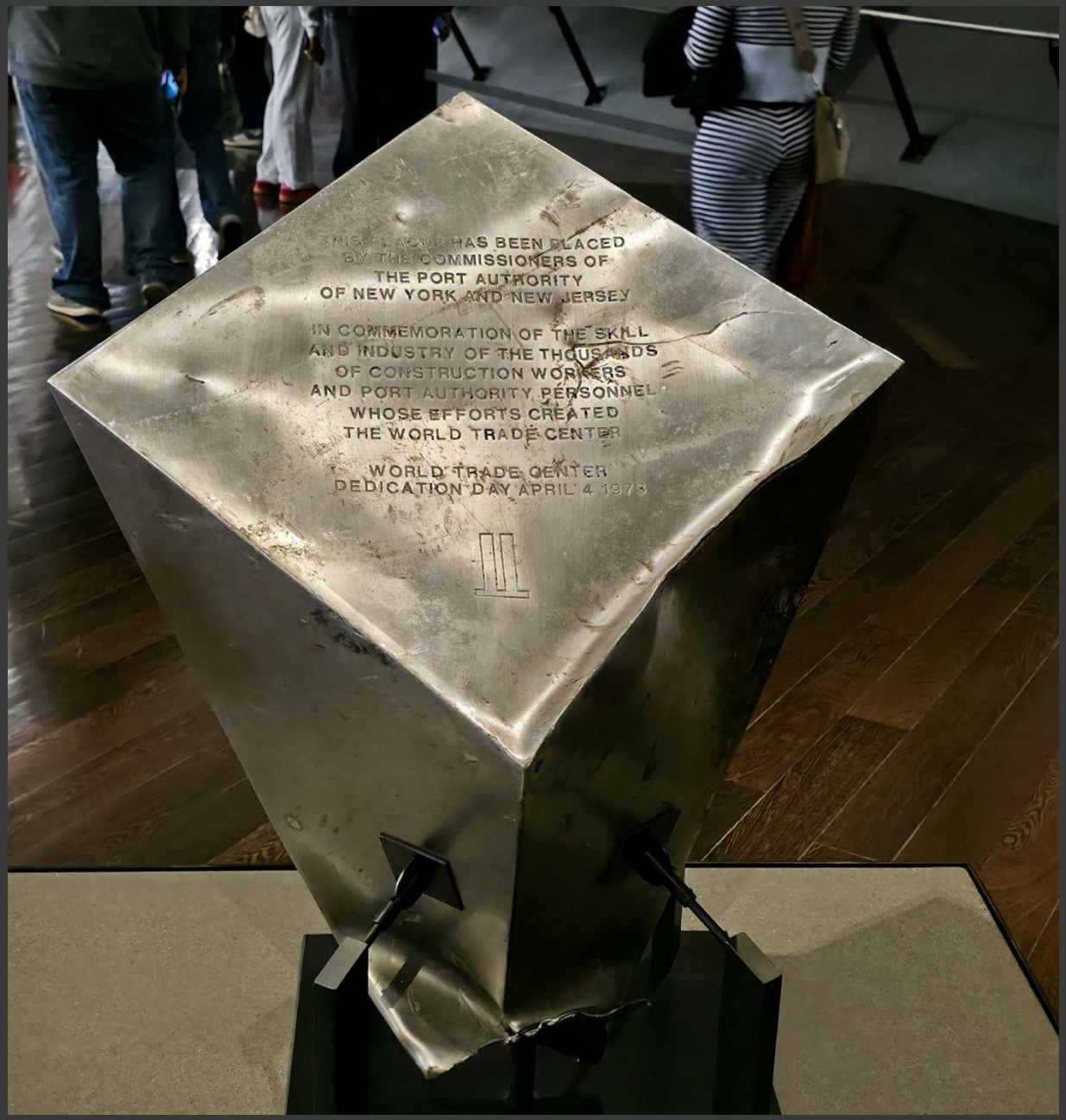
Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey

Construction of the World Trade Center began on August 5, 1966, under the auspices of the Port of New York Authority (later known as the Port Authority of New York and New Jersey). The agency sought to create a contemporary international trade and business hub that would revitalize the economy of lower Manhattan and the metropolitan region.

The first tenants moved into 1 World Trade Center (North Tower) in December 1970 and into 2 World Trade Center (South Tower) 13 months later, before construction of either skyscraper had been completed. The world's tallest buildings were dedicated in a ribbon-cutting ceremony on April 4, 1973. This stainless steel pedestal was installed on the five-acre Plaza to commemorate the occasion.



The World Trade Center dedication ceremony program, April 4, 1973
Reproduction, Collection 9/11 Memorial Museum, Gift of Juliette Bergman


THIS PLAQUE HAS BEEN PLACED
BY THE COMMISSIONERS OF
THE PORT AUTHORITY
OF NEW YORK AND NEW JERSEY
IN COMMEMORATION OF THE SKILL
AND INDUSTRY OF THE THOUSANDS
OF CONSTRUCTION WORKERS
AND PORT AUTHORITY PERSONNEL
WHOSE EFFORTS CREATED
THE WORLD TRADE CENTER
WORLD TRADE CENTER
DEDICATION DAY APRIL 4 1973





Vesey Street stair remnant: The "Survivors' Stairs"

Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey

This staircase once connected the northern edge of the World Trade Center's Austin J. Tobin Plaza to the Vesey Street sidewalk below. On September 11, 2001, the stairs and an adjacent escalator provided an unobstructed exit for hundreds seeking to escape. To reach the stairs, many had to cross the Plaza beneath treacherous debris falling from the North Tower.

Go down this set of stairs and then just run, run as fast as you can.
DAVID BRINK, LIEUTENANT, NEW YORK CITY POLICE DEPARTMENT EMERGENCY SERVICE UNIT
RECALLING WHAT HE SAID TO EVACUEES ON 9/11

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Witnessing History
Discovering History
Building History



Evacuees descending the Vesey Street stairs on 9/11

Photograph by Shannon Stapleton, Reuters

On September 11, the Vesey Street stairs remained a viable exit from the World Trade Center's Austin J. Tobin Plaza even after the South Tower fell.

This interpretive sign is identical to the one at the top of the Survivors' Stairs and is placed here for visitors who prefer to use the escalator or elevator.









Vesey Street stair remnant: The “Survivors’ Stairs”

Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of The Port Authority of New York and New Jersey

The Vesey Street stairs, located on the northernmost edge of the World Trade Center Plaza, withstood the collapse on 9/11. Most of the damage now visible was inflicted during the cleanup operation, which included demolition of the adjacent escalators and what remained of two nearby buildings, 5 WTC and 6 WTC. The stairs were slated for destruction until a federal review process involving preservationists, survivors, and other advocates eventually assured that this symbolic remnant, now known as the Survivors’ Stairs, would be saved.

They were the path to freedom.
KAYLA BERGERON, NORTH TOWER SURVIVOR
WHO RAN TO SAFETY DOWN THE
VESEY STREET STAIRS ON 9/11

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Witnessing History
Discovering History
Building History



Vesey Street stair remnant, November 15, 2001
Photograph by Joel Meyerowitz, Courtesy Howard Greenberg Gallery

The escalators and building adjacent to the Vesey Street stairs were demolished during the recovery period following 9/11.



„Trying to Remember the Color of the Sky on That September Morning" Diese blauen Quadrate stehen für die 2983 Opfer vom 11. September2001 und dem Anschlag im Jahr 1993.





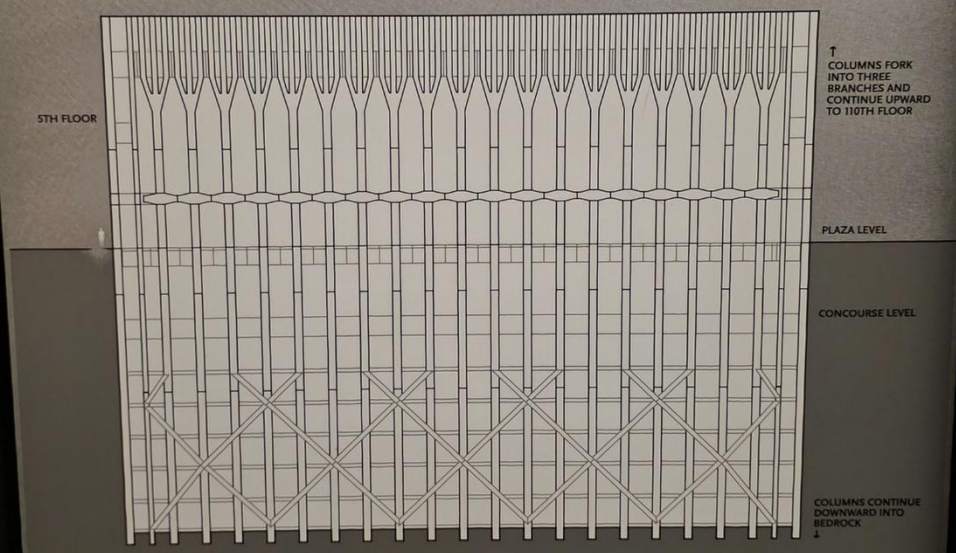
Hinter der Wand mit den blauen Quadraten befindet sich ein nicht öffentliches Labor der Gerichtsmedizin. Aktuell sind immer noch 1099 Opfer nicht identifiziert. Nur Angehörigen wird dort Zutritt gewährt.



Box column

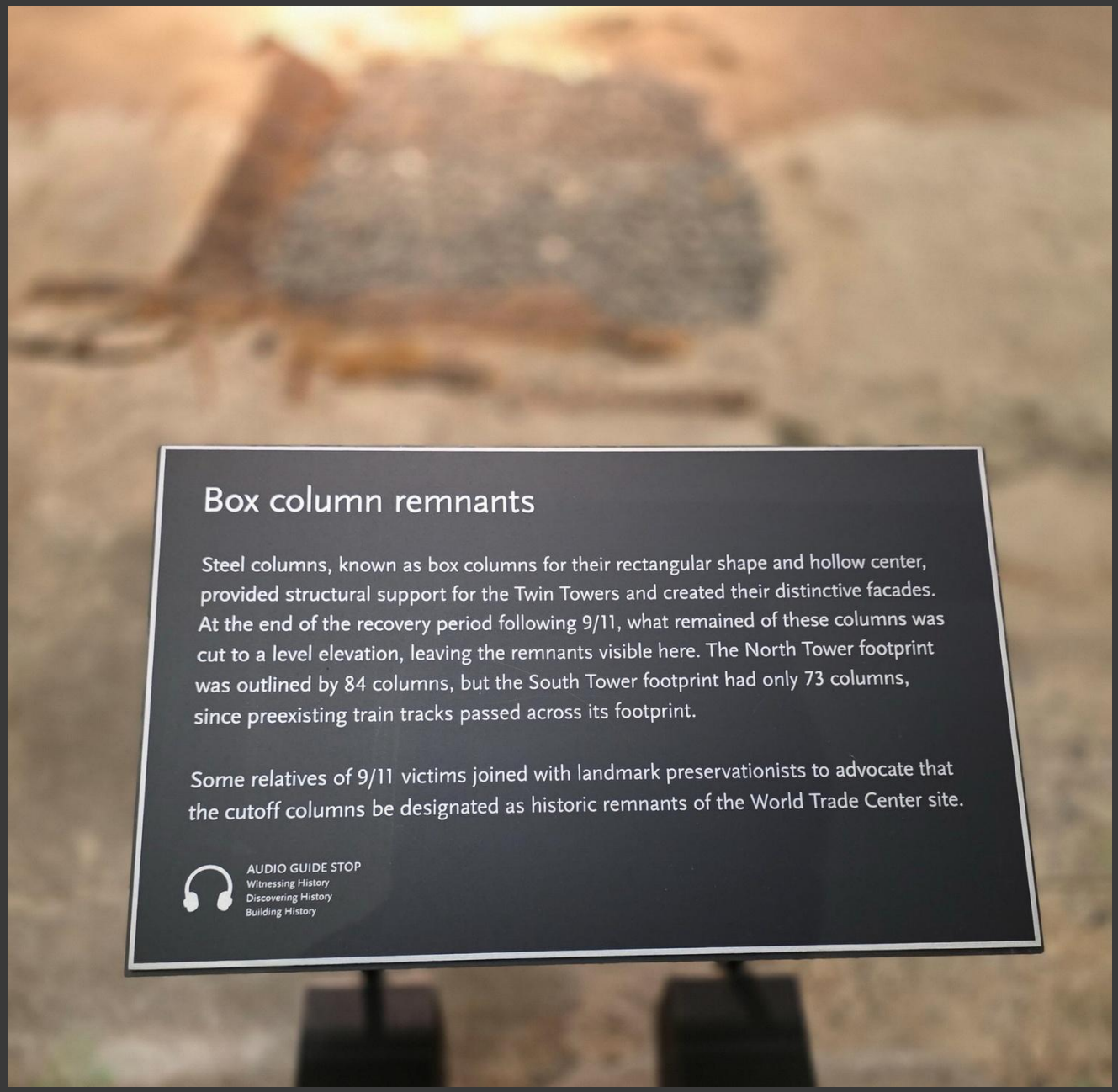
Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey

High-strength steel box columns, so called because of their rectangular shape and hollow center, outlined the footprints of the Twin Towers and provided structural support for the facade of each tower. This engineering and architectural innovation, which eliminated the need for traditional load-bearing masonry walls, had not previously been employed on such a large scale. Columns at the core of each building provided additional support for elevator shafts and utility conduits.



Columns and beams at the perimeters of the North and South Towers formed a rigid frame of steel that ran the approximately 1,360-foot height of each building. At the Plaza level, columns were spaced 10 feet apart. They rose to the top of the fifth floor, where they branched into three smaller, more closely spaced columns. These architectural trees or tridents gave the towers their distinctive Gothic arch motif.

(reverse)
Perimeter and core columns, World Trade Center, circa 1969
Photograph by Timothy J. Orregan


Box column remnants
Steel columns, known as box columns for their rectangular shape and hollow center, provided structural support for the Twin Towers and created their distinctive facades. At the end of the recovery period following 9/11, what remained of these columns was cut to a level elevation, leaving the remnants visible here. The North Tower footprint was outlined by 84 columns, but the South Tower footprint had only 73 columns, since preexisting train tracks passed across its footprint.
Some relatives of 9/11 victims joined with landmark preservationists to advocate that the cutoff columns be designated as historic remnants of the World Trade Center site.
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Witnessing History
Discovering History
Building History

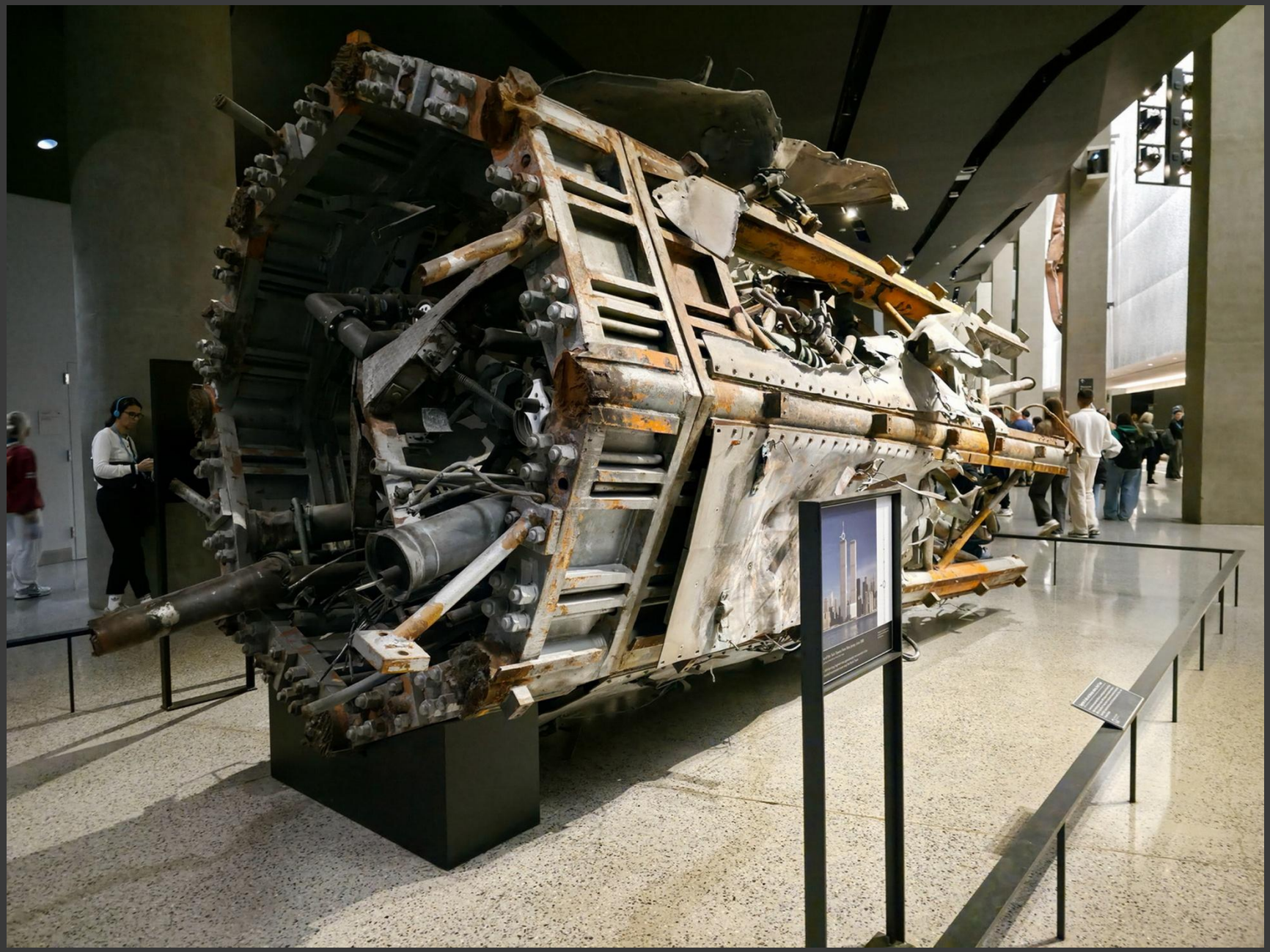




Stützpfeiler / einer von 59 Stück pro Seite der Außenfassade + Eckpfeiler / 236 – 244 insgesamt pro Turm



Kennzeichnung eines Antennenfragment





Elevator motor

Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey

The Twin Towers were the first skyscrapers to employ a system of local and express elevators, an innovation that reduced elevator travel time and made the buildings attractive to occupants of the upper floors. In addition to elevators servicing basement levels, each tower's 99 elevators included freight, local, and high-speed express cars. Two express cars traveled directly to the Windows on the World restaurant in the North Tower, and two went to the South Tower Observation Deck. This elevator motor, the largest model in the world when installed, powered one of the express or service cars, which moved at a speed of 1,600 feet per minute. A total of 99 motors operated the elevator system in each tower.

Vertical transportation is the lifeblood of the building.
DAVID BOBBITT, MAINTENANCE PROGRAM MANAGER FOR VERTICAL TRANSPORTATION, PANYNJ

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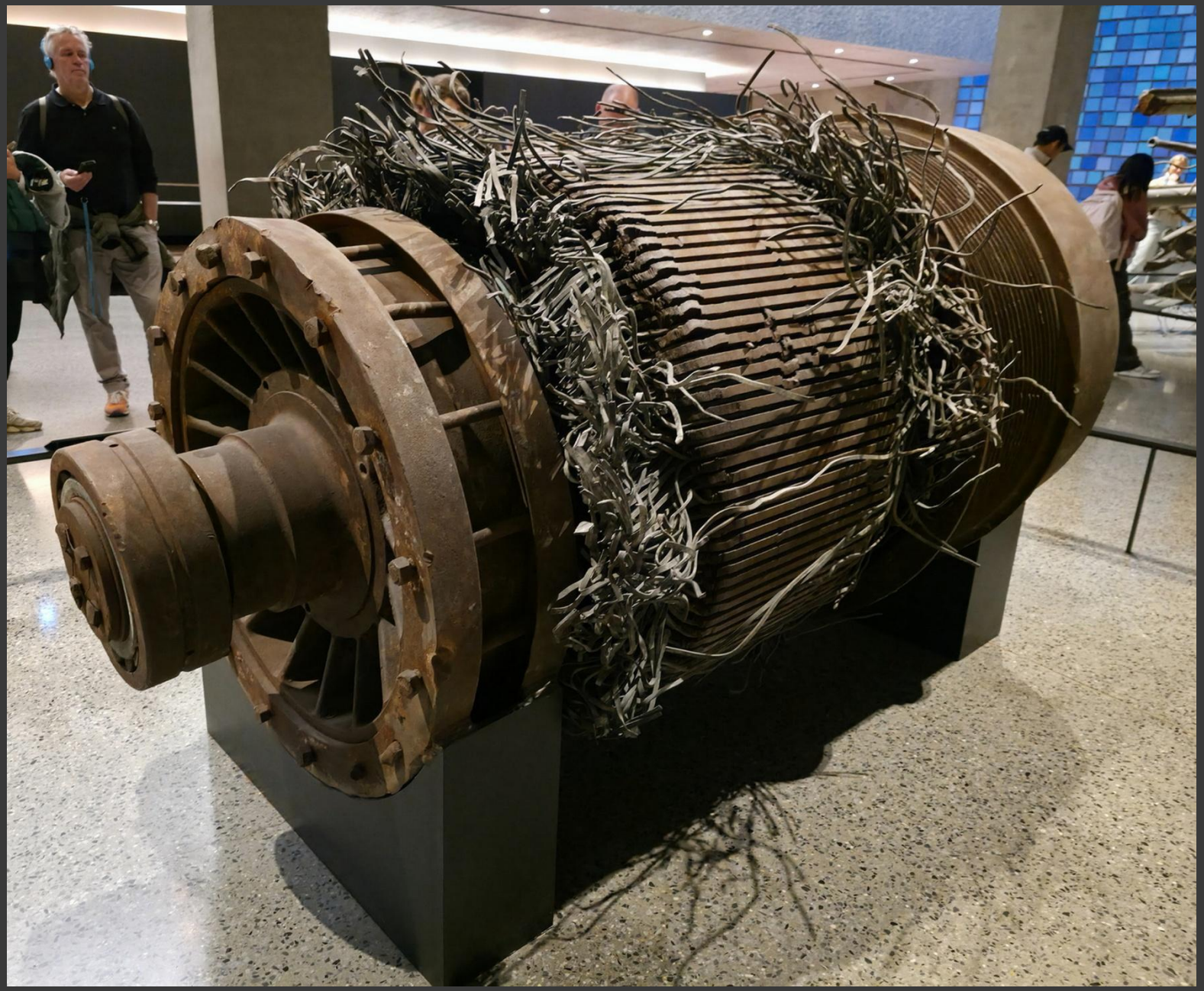
Building History

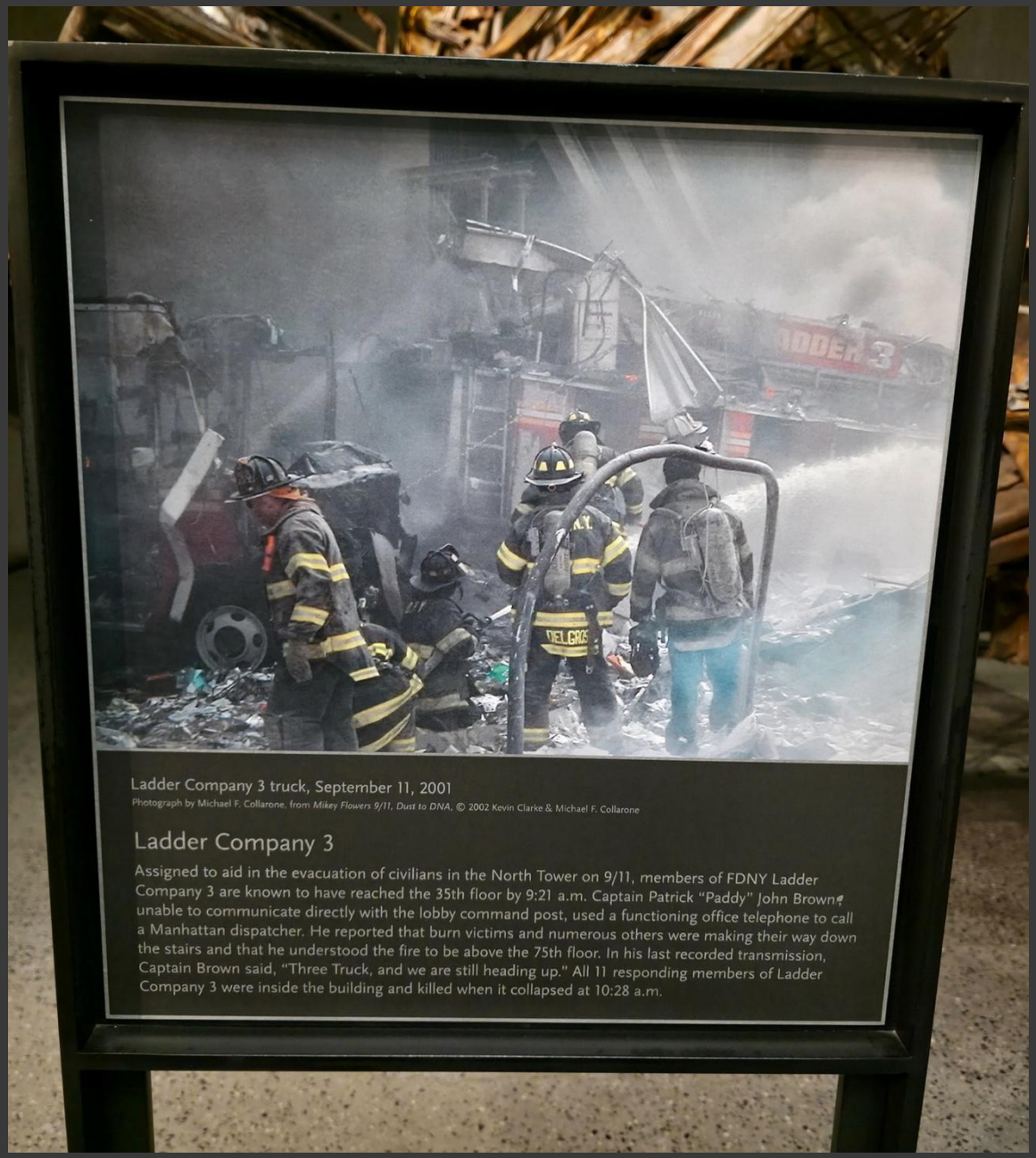


Ladder Company 3 truck, New York City Fire Department

Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey
Presented with permission of the New York City Fire Department

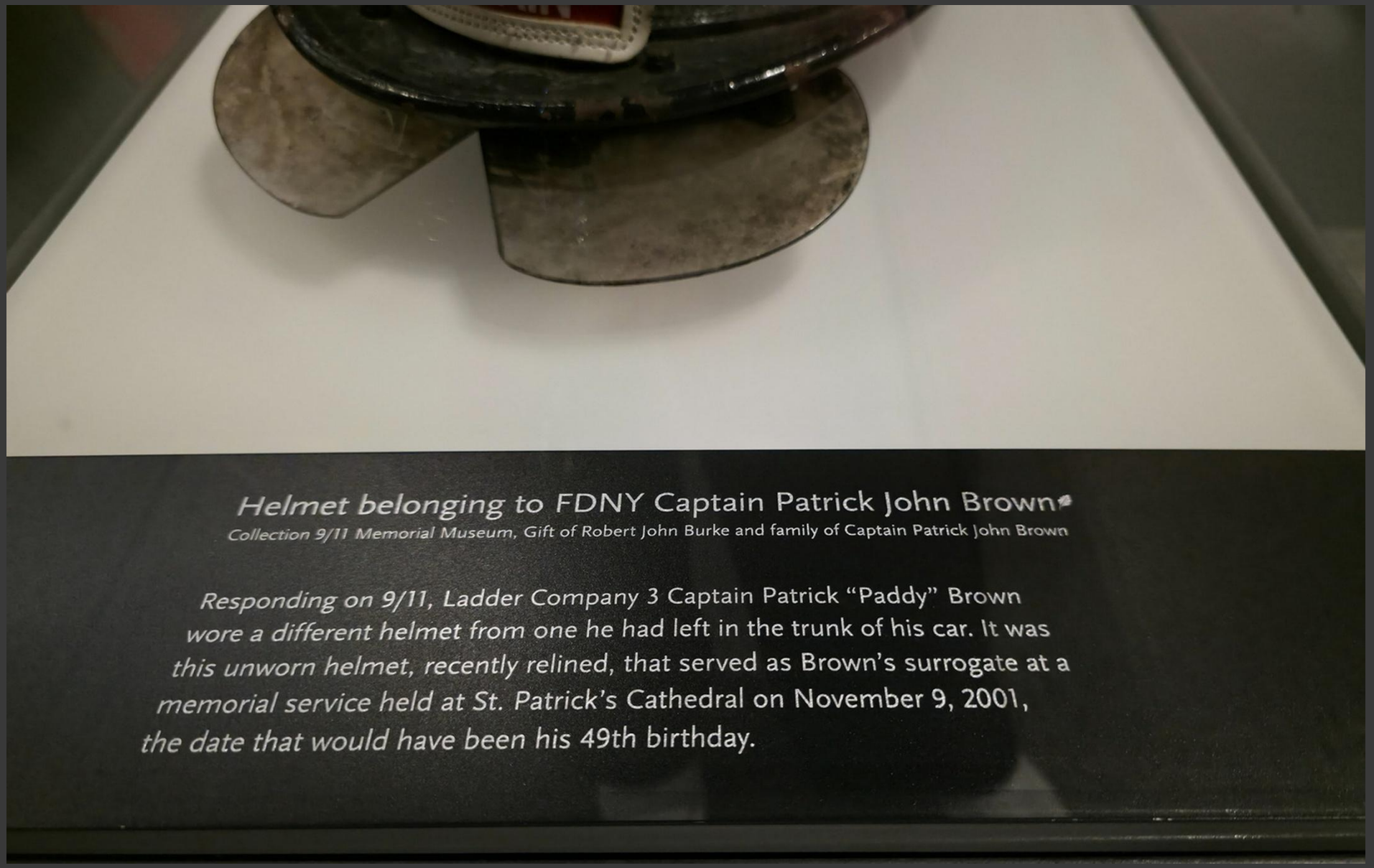
FDNY Ladder Company 3 is located in the East Village neighborhood of Manhattan. On September 11, 2001, led by its highly decorated captain, Patrick "Paddy" John Brown, the company asked a dispatcher to deploy its members to the World Trade Center disaster. After they parked the rear mount aerial ladder truck on West Street near Vesey Street, 11 members of the company, some of whom had just gone off duty after completing overnight shifts, entered the North Tower. They were among thousands of uniformed responders who collectively formed the single largest dispatch of nonmilitary emergency personnel in the history of New York City and the nation.

AUDIO GUIDE STOP
Witnessing History
Discovering History
Building History


Ladder Company 3 truck, September 11, 2001
Photograph by Michael F. Collarone, from *Mikey Flowers 9/11, Dust to DNA*; © 2002 Kevin Clarke & Michael F. Collarone
Ladder Company 3
Assigned to aid in the evacuation of civilians in the North Tower on 9/11, members of FDNY Ladder Company 3 are known to have reached the 35th floor by 9:21 a.m. Captain Patrick "Paddy" John Brown, unable to communicate directly with the lobby command post, used a functioning office telephone to call a Manhattan dispatcher. He reported that burn victims and numerous others were making their way down the stairs and that he understood the fire to be above the 75th floor. In his last recorded transmission, Captain Brown said, "Three Truck, and we are still heading up." All 11 responding members of Ladder Company 3 were inside the building and killed when it collapsed at 10:28 a.m.


LADDER 3


3



Helmet belonging to FDNY Captain Patrick John Brown

Collection 9/11 Memorial Museum, Gift of Robert John Burke and family of Captain Patrick John Brown

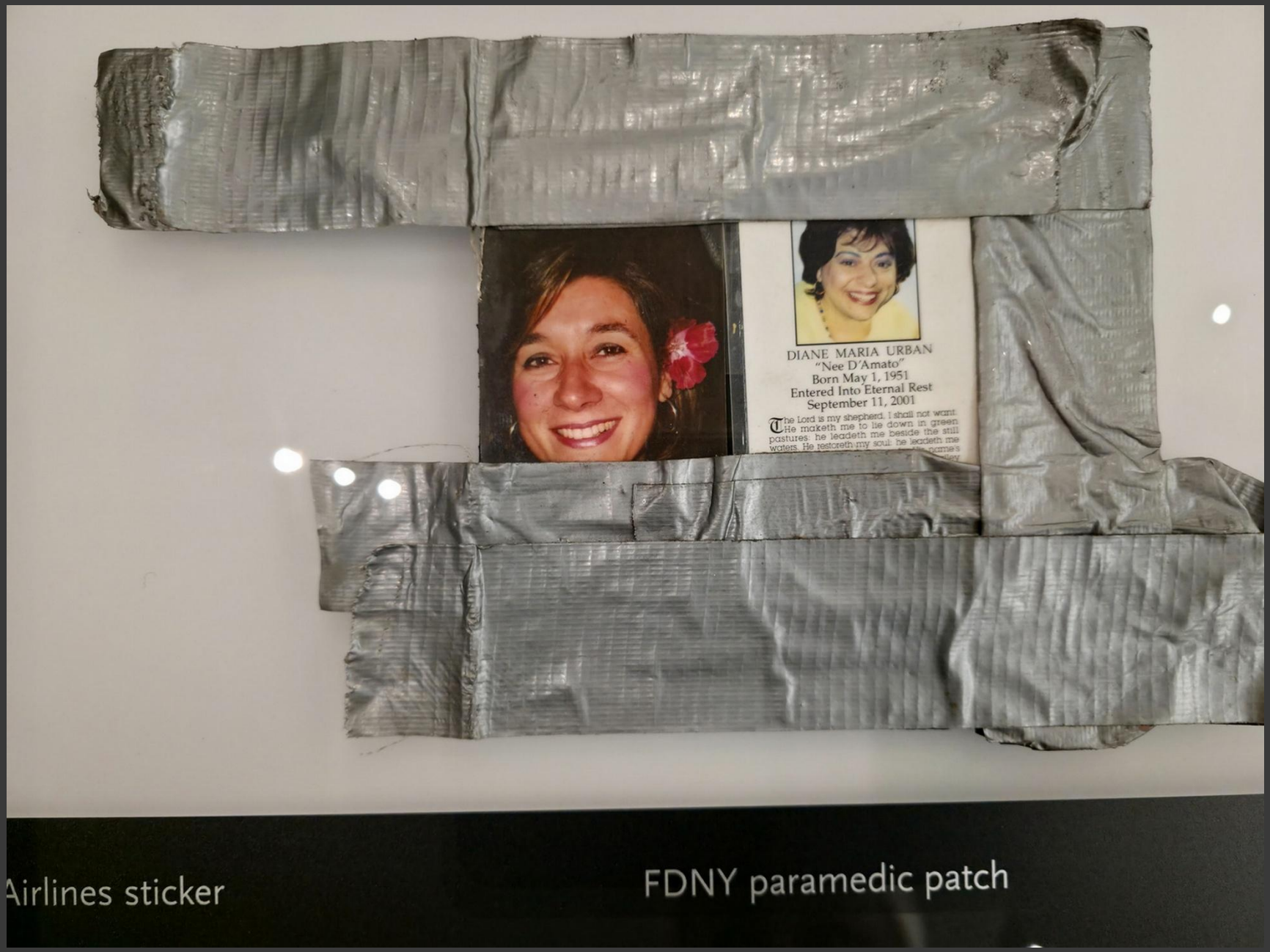
Responding on 9/11, Ladder Company 3 Captain Patrick "Paddy" Brown *wore a different helmet from one he had left in the trunk of his car. It was this unworn helmet, recently relined,* that served as Brown's surrogate at a *memorial service held at St. Patrick's* Cathedral on November 9, 2001, *the date that would have been his* 49th birthday.

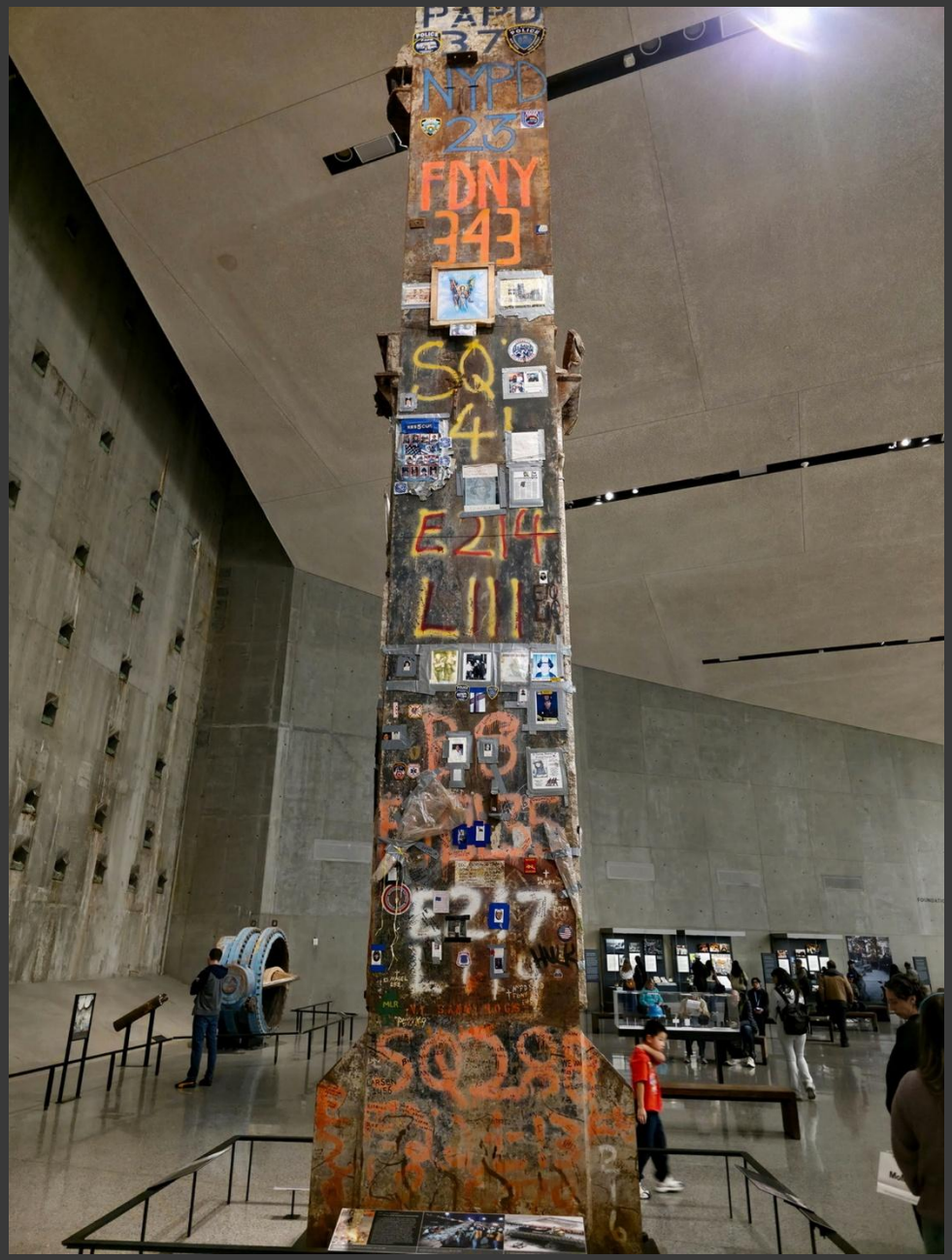

77
3
CAPTAIN



Rechts sieht man das Fundament, das zum Schutz vor Eindringen von Wasser vom Hudson River gebaut wurde

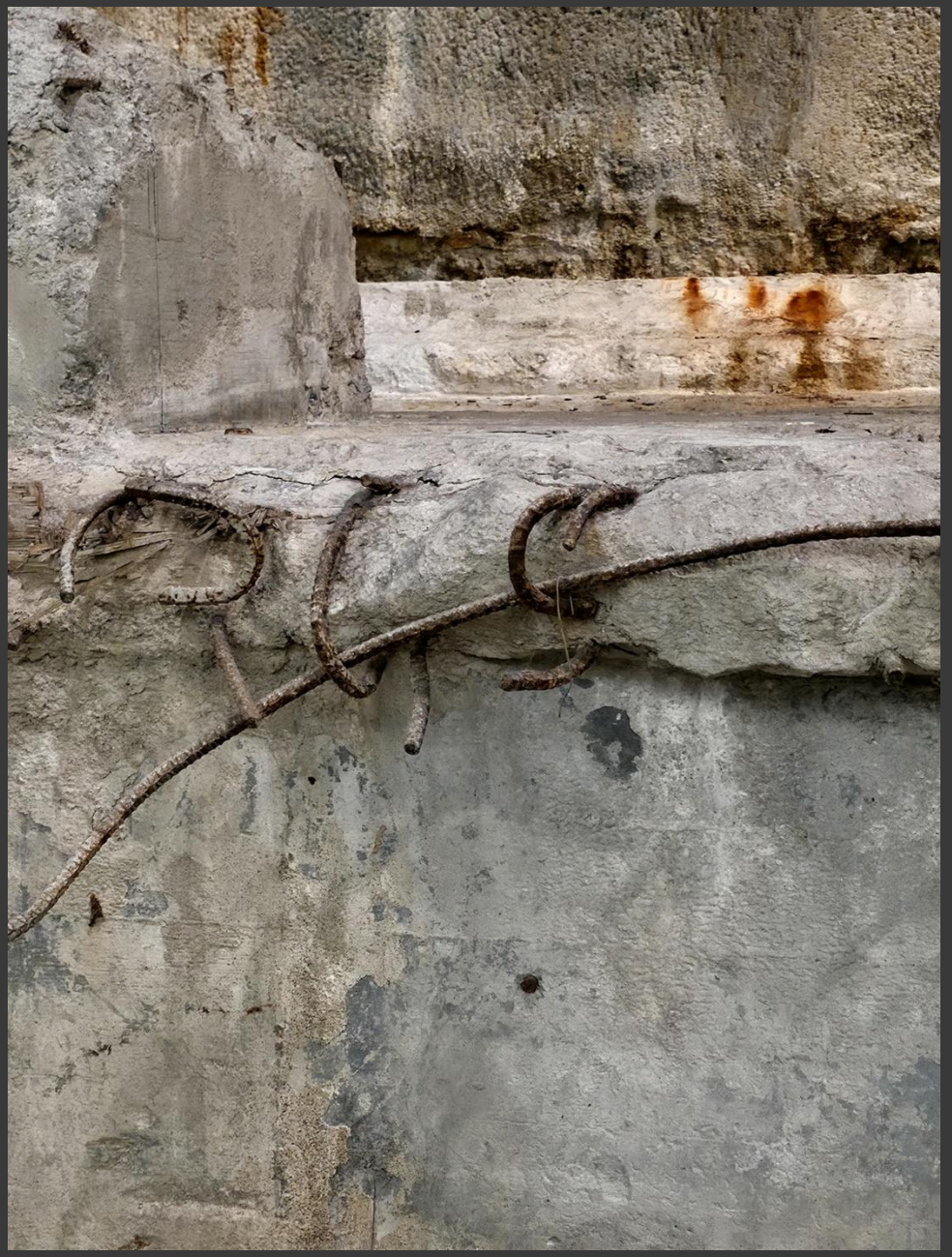

we Love You
INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
Tribute to Lisa L. Trerotola, Port Authority
of New York and New Jersey
FDNY Squad 41 ax
Presented with permission of the City of New York and th
Fire Department. Courtesy of Russell Vornero, Gibson
Luis Torres, and Ed Walsh
Members of FDNY Squad 41 began
missing colleagues immediately
they found an ax and other too
number in a previously inac
Along with the tools, the
company were found

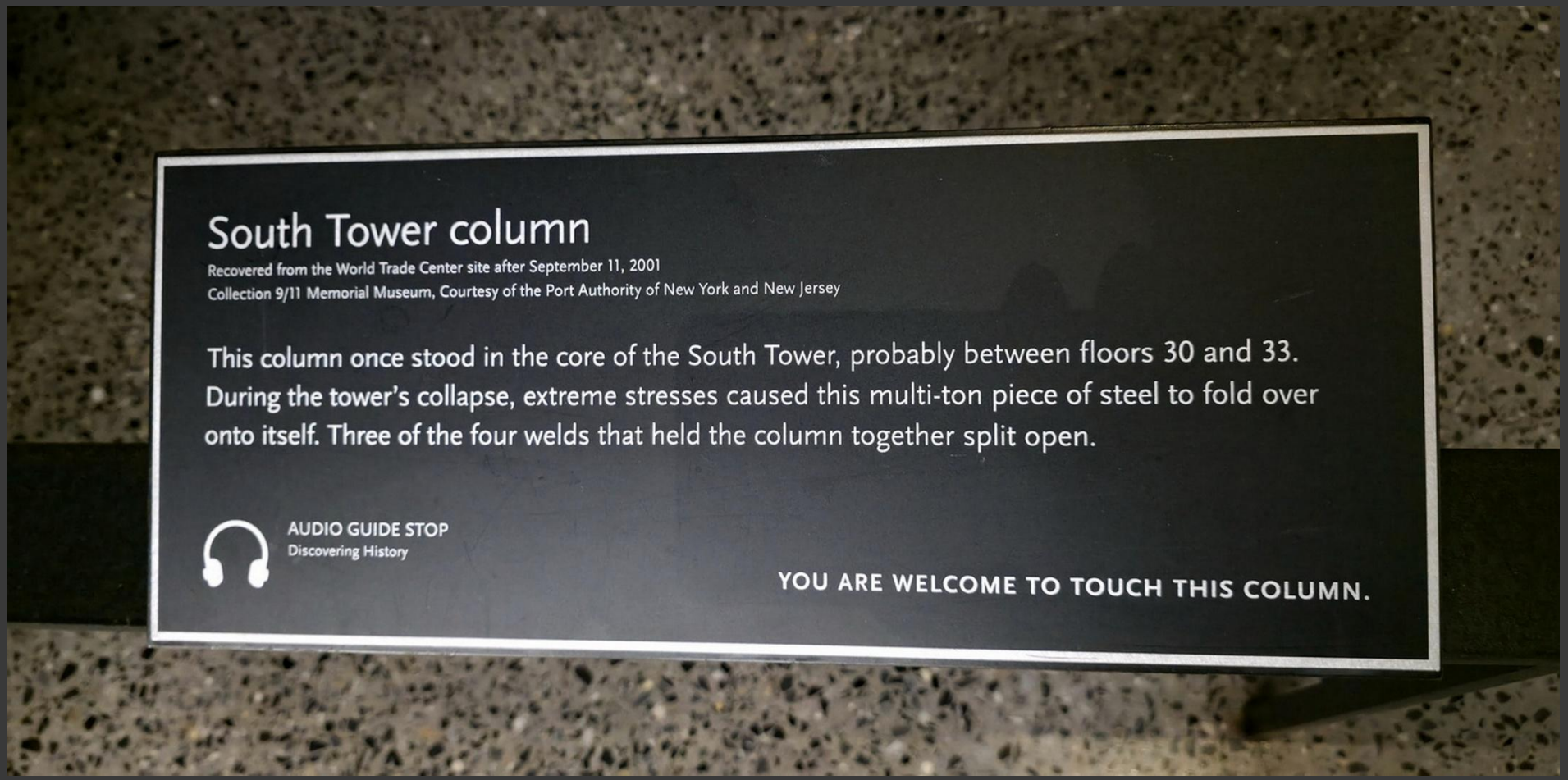

DIANE MARIA URBAN
"Nee D'Amato"
Born May 1, 1951
Entered Into Eternal Rest
September 11, 2001
The Lord is my shepherd. I shall not want.
He maketh me to lie down in green
pastures: he leadeth me beside the still
waters. He restoreth my soul: he leadeth me
Airlines sticker
FDNY paramedic patch


PAPD
37
NYPD
23
FDNY
343
SQ
41
E214
L111
E7
217


LEST WE FORGET
Michael F. Lynch
32
TEAMSTERS
LOCAL 282
BRONX
41
HARLEM






South Tower column
Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey
This column once stood in the core of the South Tower, probably between floors 30 and 33. During the tower's collapse, extreme stresses caused this multi-ton piece of steel to fold over onto itself. Three of the four welds that held the column together split open.
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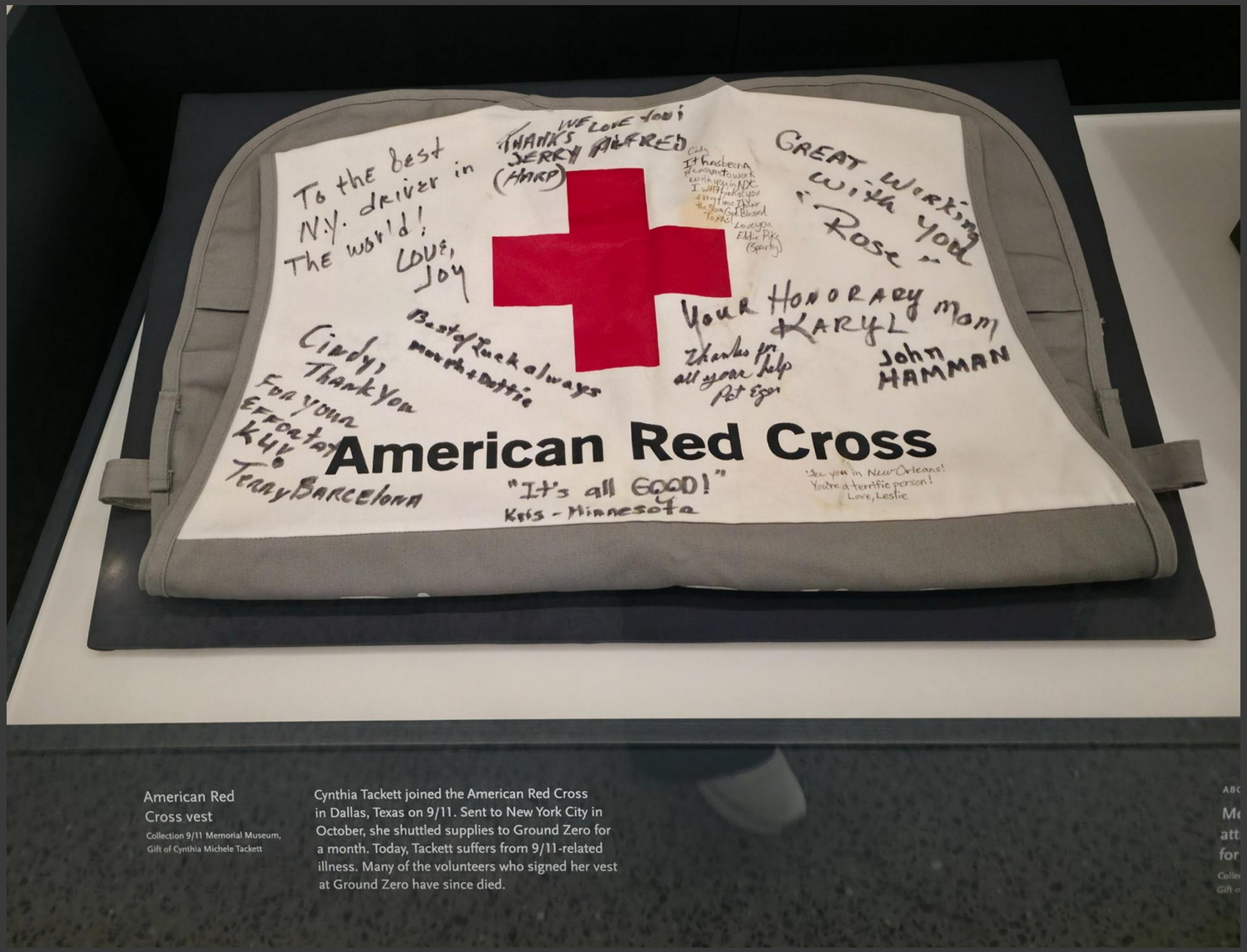
Discovering History
YOU ARE WELCOME TO TOUCH THIS COLUMN.





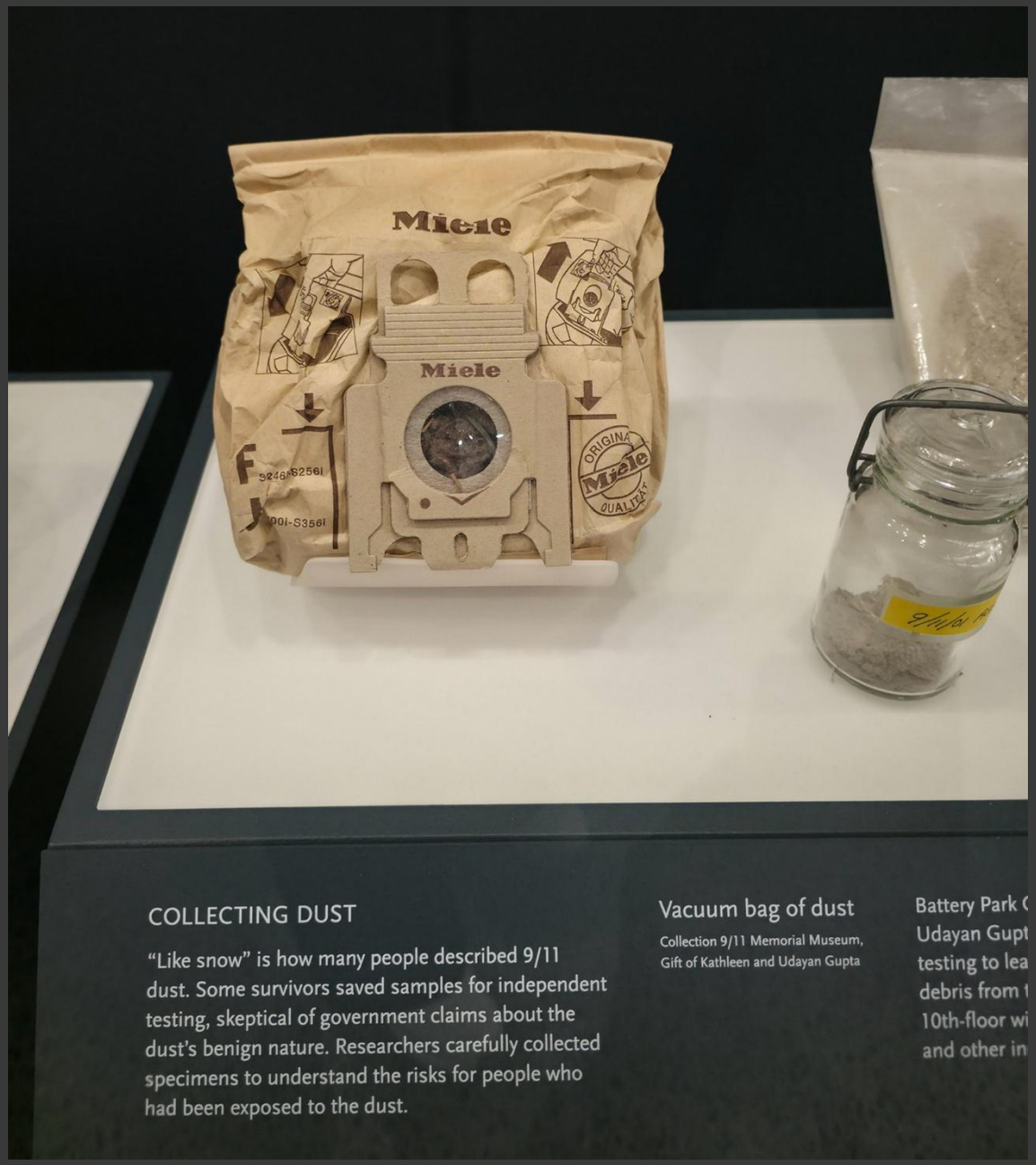
Stützpfeiler Nordturm



American Red Cross vest

Collection 9/11 Memorial Museum, Gift of Cynthia Michele Tackett

Cynthia Tackett joined the American Red Cross in Dallas, Texas on 9/11. Sent to New York City in October, she shuttled supplies to Ground Zero for a month. Today, Tackett suffers from 9/11-related illness. Many of the volunteers who signed her vest at Ground Zero have since died.



COLLECTING DUST

"Like snow" is how many people described 9/11 dust. Some survivors saved samples for independent testing, skeptical of government claims about the dust's benign nature. Researchers carefully collected specimens to understand the risks for people who had been exposed to the dust.

Vacuum bag of dust

Collection 9/11 Memorial Museum, Gift of Kathleen and Udayan Gupta

Battery Park C
Udayan Gupt
testing to lea
debris from t
10th-floor wi
and other in



Boots belonging to Brian Lyons

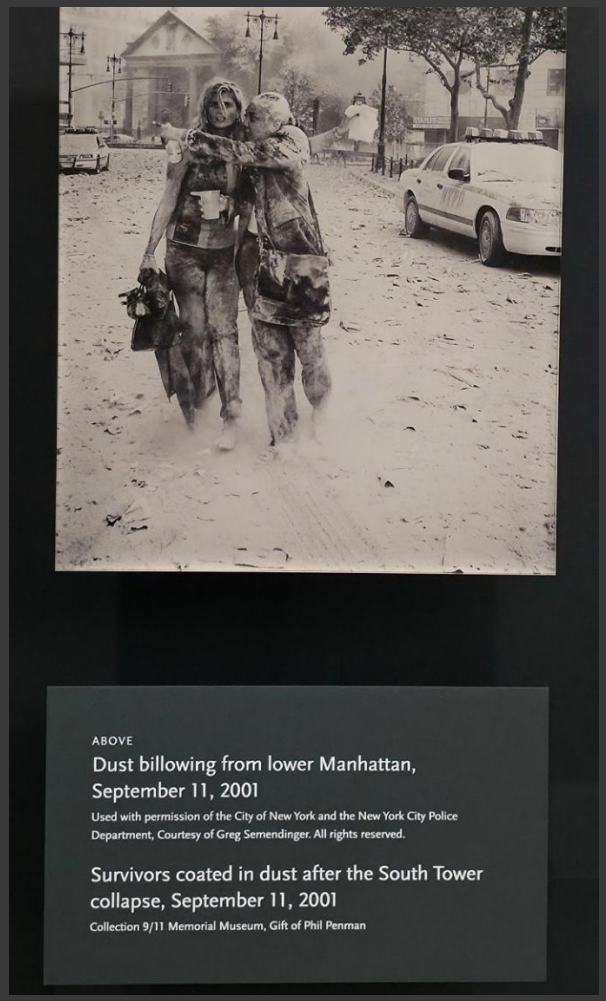
Collection 9/11 Memorial Museum, Gift of devotion from the Lyons family

Brian Lyons initially came to Ground Zero on September 11 to search for his missing brother, FDNY firefighter Michael J. Lyons, and remained there as a recovery worker. Aware of the risk of carrying dust with him, Lyons rinsed his boots whenever he left the site. During nine months of service in hazardous conditions, he used 13 pairs of boots.



Boot-washing station near Ground Zero, September 29, 2001

Collection 9/11 Memorial Museum, Photograph © Steve Spak



In einer separaten Ausstellung gibt es viele kleinere Gegenstände – dort sind auch die Schuhe zu sehen, die Jo-Jo hier in der Hand hält. **Joanne „JoJo“ Capestro:** Sie evakuierte den Nordturm aus der 87. Etage. Ihre staubbedeckten *Nine West*-Schuhe, in denen sie die unzähligen Stufen herabrannte, spendete sie später dem Museum.

In der Ausstellung sieht man persönliche Gegenstände die Familienangehörige gestiftet haben. Dazu gehören Feuerwehruniformen, Fahrräder, Portemonnaies, Gasflaschen, Gesichtsmasken, sämtliches Werkzeug der Feuerwehr wie Axt, Seitenschneider, Metallscheren, Stemmeisen, einige weitere Fahrzeuge von Feuerwehr und Paramedics, Kreditkarten, Schmuck, Schuhe, Briefe aus den Büros beider Türme, ein Motorola MT 2000, Schreibmaschinen, persönliche Bilder und etliche Patches. Das Ganze wird an einigen Stellen mit interaktiven Informationen und auch Filmmaterial begleitet. Wegen der Bilderrechte hier keine Fotografie erlaubt.

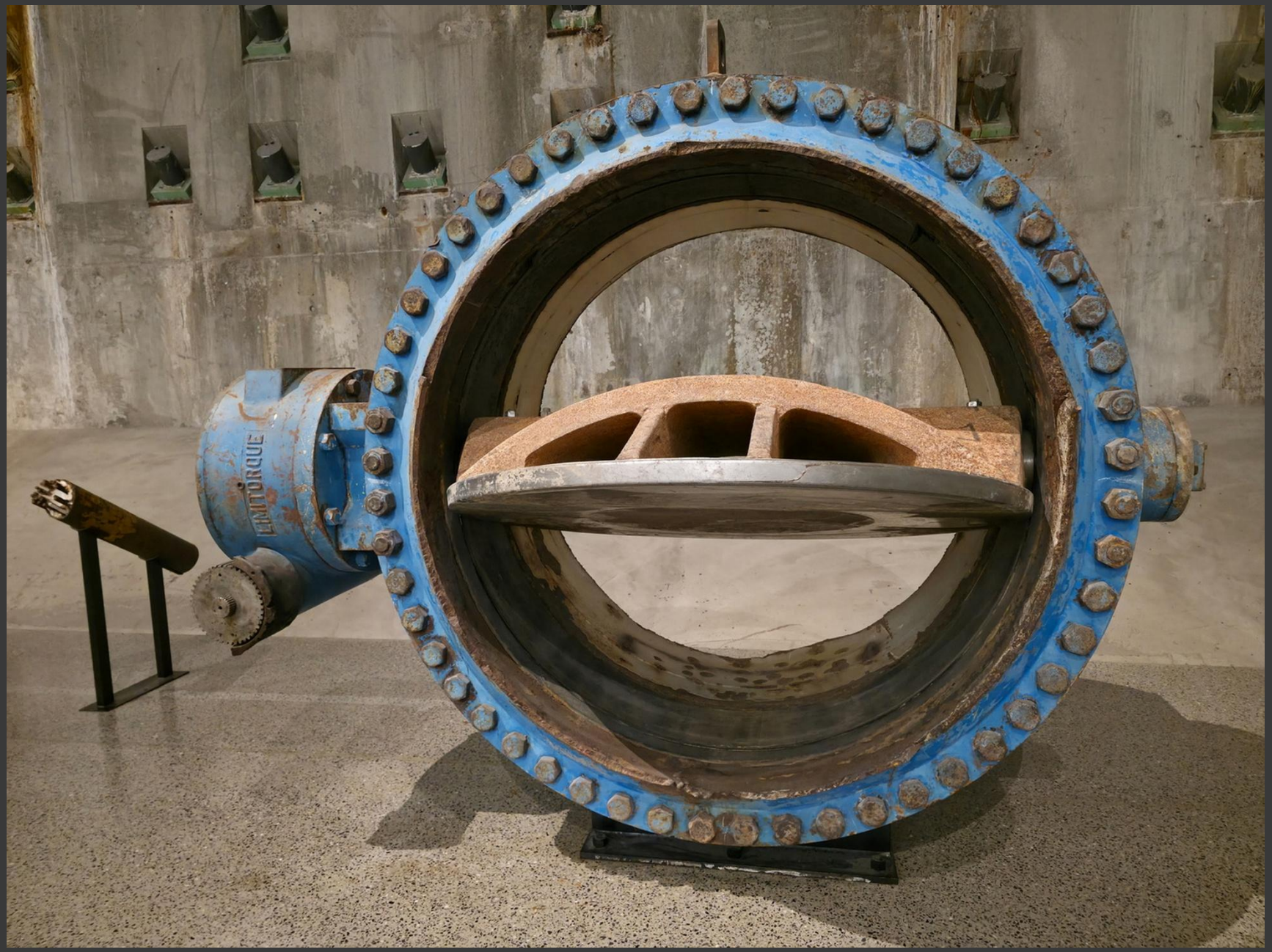
River water line valve

Recovered from the World Trade Center site after September 11, 2001
Collection 9/11 Memorial Museum, Courtesy of the Port Authority of New York and New Jersey

Part of a pipeline that carried water from the Hudson River to an underground refrigeration plant, this 17,800-pound valve was installed in 1993 in connection with an upgrade to the World Trade Center's air-conditioning systems. The subterranean motorized valves could be closed manually for maintenance and in case of emergency. After the collapse of the Twin Towers, engineers concerned about the risk of flooding searched for the valves underneath the wreckage and closed them as a precautionary measure.



Two river water line valves can be seen near the top of the slurry wall, May 20, 2002
Photograph by Joel Meyerowitz, Courtesy Howard Greenberg Gallery


LIMITORQUE



Links ein Teil der Außenwand des Südbeckens


The human spirit is
not measured by the size
of the act, but by the
size of the heart.





The World Trade Center site, September 27, 2001

Photograph by Joel Meyerowitz. Courtesy Howard Greenberg Gallery

The damaged tridents standing precariously at the base of the North Tower facade remnant were only one element of the widespread devastation at the World Trade Center site. A sculpture at the Plaza's center, *The Sphere*, was also badly damaged on September 11, 2001. It was later removed from the site and relocated in March 2002 to nearby Battery Park, as a temporary memorial to the victims of the attacks and a symbol of New York City's resilient spirit. In 2017, the sculpture moved again to be closer to its original home. It is now located in Liberty Park, just south of the new World Trade Center.

Madison Square Garden / wegen eines NBA Spieles leider keine Besichtigung




CHASE ENTRANCE
MADISON SQUARE GARDEN
THE WORLD'S MOST FAMOUS ARENA
FLASHDANCERS
GENTLEMEN'S CLUBS
TAXI

Moynihan Train Hall – Bahnhof für Amtrak Züge und Penn Station – Bahnhof unter dem Madison Square Garden






EVER UPWARD
DANIEL PATRICK MOYNIHAN TRAIN HALL
Barbour
8th Avenue & 31st Street
Amtrak Metropolitan Lounge

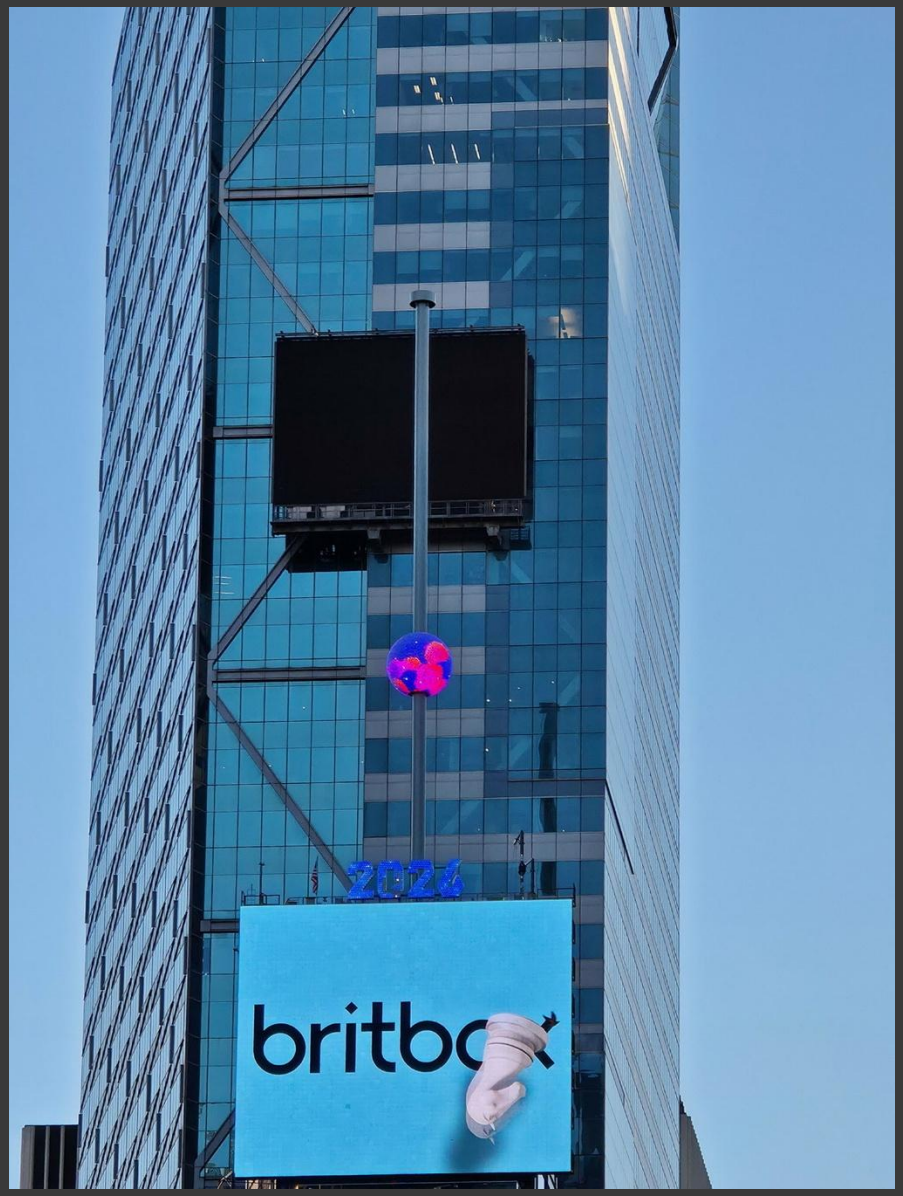

ThyssenKrupp


FOOD SERVICE CAR
AMTRAK
43384


Uptown &
Downtown
A C E
Thank you.
DEWALT
#FUNKIEST
GUITARIST
CASHAPP

Am Times Square





„ Times Square Ball“ - Jedes Jahr an Silvester gleitet dieser beleuchtete Kristallball in den letzten 60 Sekunden vor Mitternacht an einem Mast nach unten (Ball Drop), um das neue Jahr einzuläuten




Live the life you've
Imagined
GOAT


PIZZA
BAKERY
NEW YORK DELI
ATM

Mini Plexiglas Waterfall Tunnel (leider ohne Wasser)



Paparazzi Dogman and Paparazzi Rabbitgirl



Staten Island Ferry – Überfahrt und Rückfahrt










DEPT. OF TRANSPORTATION
Staten Island Ferry
CITY OF NEW YORK


↓ Welcome to Staten Island ↓
EXIT



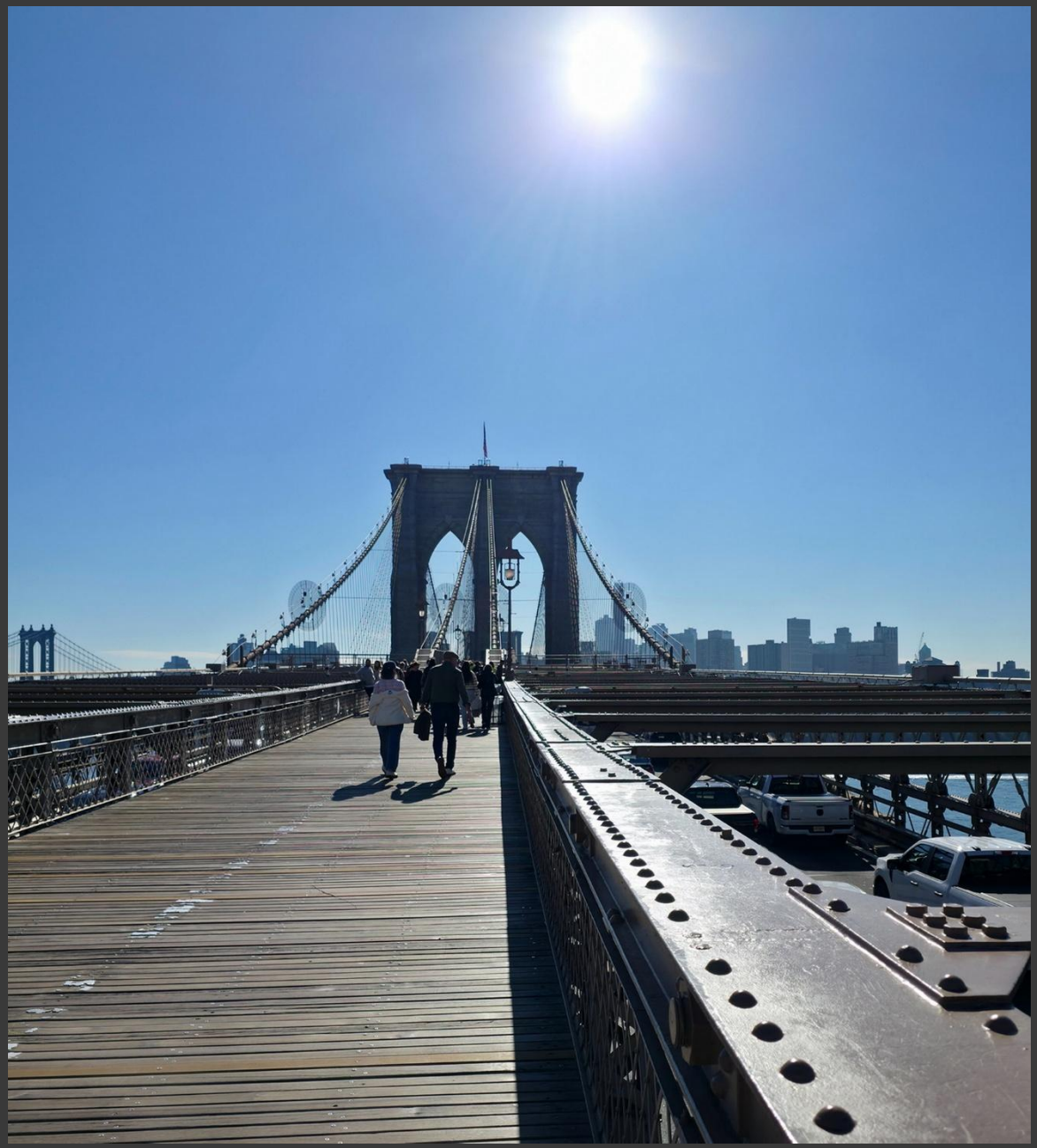
“The Sphere” im Memorial Garden – stand früher zwischen den Twin Tower



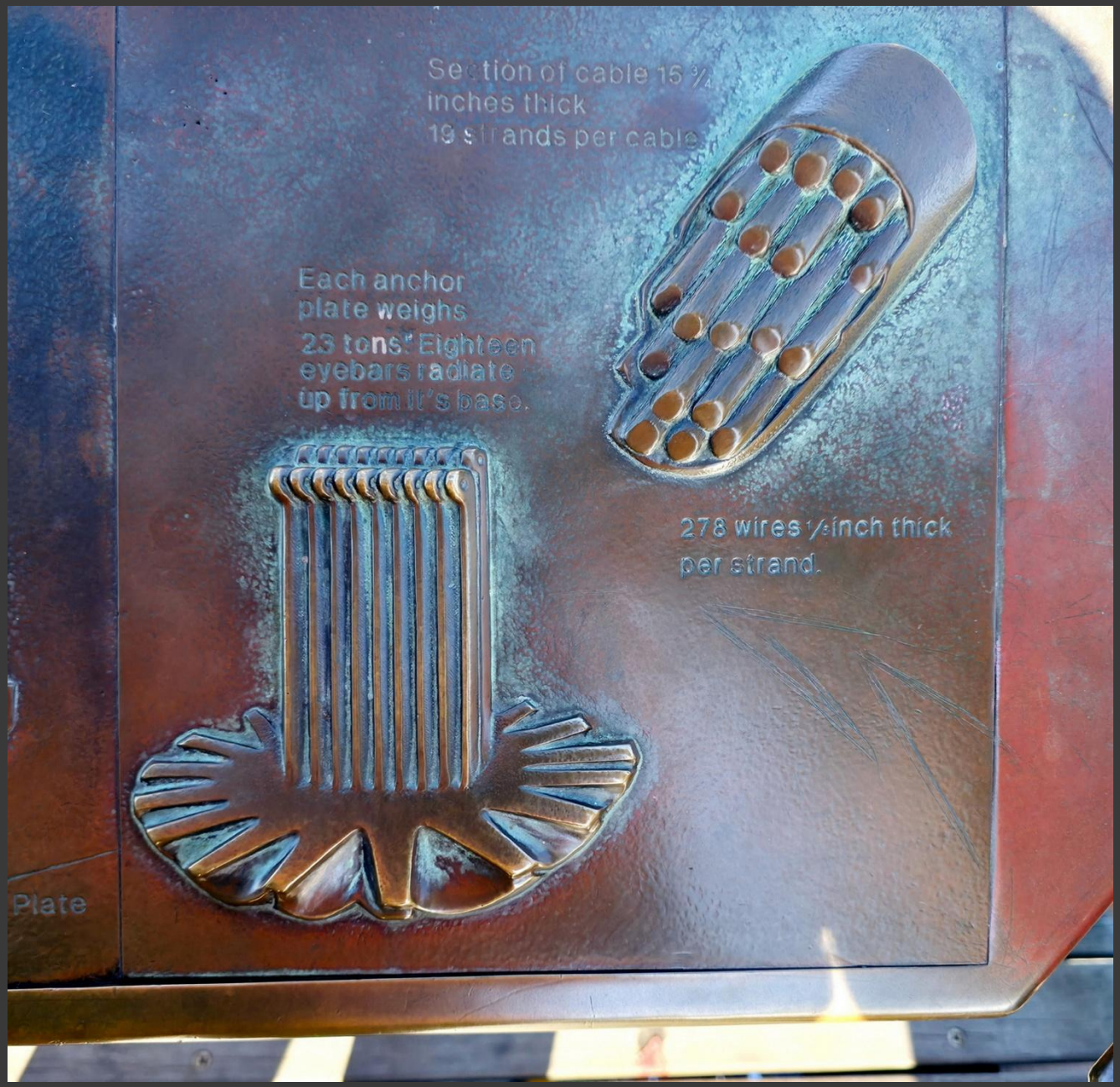
Reflecting „Picture One World Center“ / die Spiegelung im rechten Gebäude steht für die Darstellung der Twin Tower (lt. Architekt)



Brooklyn Bridge






Section of cable 15 ¾
inches thick
19 strands per cable.
Each anchor
plate weighs
23 tons. Eighteen
eyebars radiate
up from it's base.
278 wires ⅛ inch thick
per strand.
Plate

Wall Street / die New Yorker Börse




NEW YORK STOCK EXCHANGE

Charging Bull



Heli Rundflug



Landeplatz



Brooklyn Bridge



Cockpit



Liberty Statue



Lower Manhattan



One World Trade Center, Memorial, Oculus



Little Island



Madison Square Garden



The Vessel



Midtown



Central Park


IDENT
041°
In
Out
128.875





Washington Bridge



Hudson River





USS Intrepid Museum

Statue General William Tecumseh Sherman (Namensgeber Sherman Panzer)



Gapstow Bridge (Pigeon Lady aus Kevin allein in New York)





Plaza Hotel

Christmas Cottage





HOPE Skulptur

