

Extremely High Temperatures and Molten Metal Evidence at WTC

R J Lee Group Report — Damage Assessment — 130 Liberty Street Property (2003)

— "[I]ron . . . **melted** during the WTC event."

— Figure 21 and Figure 22 show a spherical iron particle resulting from **the melting of iron (or steel)**. — See page 17 [PDF page 21] [Temperatures were at least **2800°F**.]

— "The presence of lead oxides on the surface of mineral wool indicates the exposure of high temperatures at which **lead** would have undergone **vaporization**" — See page 24 [PDF page 28] [Temperatures were at least **3180°F**.]
<http://web.archive.org/web/20060114124849/http://www.nyenvirolaw.org/WTC/130%20Liberty%20Street/Mike%20Davis%20LMDC%20130%20Liberty%20Documents/Signature%20of%20WTC%20dust/WTC%20Dust%20Signature.C%20omposition%20and%20Morphology.Final.pdf>

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RJ Lee Group Report — Signature Assessment — 130 Liberty Street Property (2004)

"The presence of lead oxide on the surface of mineral wool indicate the existence of **extremely high temperatures during the collapse which caused metallic lead to volatilize** (*vaporize*), oxidize, and finally condense on the surface of the mineral wool." — See page 12 [PDF page 13] [Temperatures were at least **3180°F**.]
http://web.archive.org/web/20060114130443/http://www.nyenvirolaw.org/WTC/130%20Liberty%20Street/Mike%20Davis%20LMDC%20130%20Liberty%20Documents/Signature%20of%20WTC%20dust/WTC%20DustSignature_ExpertReport.051304.1646.mp.pdf

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"A combination of an uncontrolled fire and the structural damage might have been able to bring the building down, some engineers said. But that would not explain **steel** members in the debris pile that appear to have been **partly evaporated** in extraordinarily high temperatures, [Worcester Polytechnic Institute professor of fire protection engineering] Dr. [Jonathan] Barnett said." — James Glanz, writer for *The New York Times* [See page 2 of his article]
<http://www.nytimes.com/2001/11/29/nyregion/nation-challenged-site-engineers-have-culprit-strange-collapse-7-world-trade.html>

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"I saw melting of girders at World Trade Center." — Dr. Abolhassan Astaneh-Asl, professor of structural engineering, University of California at Berkeley <https://www.youtube.com/watch?v=syXpA6B85Ek>

"One piece Dr. [Abolhassan] Astaneh-Asl saw was a charred horizontal I-beam from 7 World Trade Center, a 47-story skyscraper that collapsed from fire eight hours after the attacks. **The beam**, so named because its cross-section looks like a capital I, had clearly endured searing temperatures. Parts of the flat top of the I, once five-eighths of an inch thick, had **vaporized**." — Kenneth Chang, writer for *The New York Times*
<http://www.nytimes.com/2001/10/02/science/scarred-steel-holds-clues-and-remedies.html>

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Bart Voorsanger described the "meteorite" as "**molten steel and concrete** and all these things all fused by the heat into one single element." See <http://www.youtube.com/watch?v=jAakGoHLUZI>

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"The intense fire in the northeast corner opening of the 81st floor . . . a very bright white flame, as opposed to the typical yellow and orange surrounding flames, which generated a plume of white smoke, stands out. The intensity of this flame is considerably brighter than normal flames. . . . The brightness of the flame, along with the white smoke, suggests that **some type of metal is burning**." — NCSTAR 1-5A, Chapter 9, Appendix C, Figure 9-44, page 344 [PDF page 48] http://www.nist.gov/customcf/get_pdf.cfm?pub_id=101030

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"The debris pile at Ground Zero was always tremendously hot. Thermal measurements taken by helicopter each day showed underground temperatures ranging from 400°F to **more than 2,800°F**." — *SH&E At Ground Zero* [See PDF page 7] <http://web.archive.org/web/20030623013242/http://www.asse.org/ps0502vincoli.pdf>

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"Fire temperatures were so intense that **concrete melted** like lava around everything in its path." [Approximately **3300-4500°F**, depending on the aggregate used.] — The NYPD Museum (now closed)
<http://www.archive.org/details/NewYorkPoliceMuseumWtcGunsMelted> (this link no longer works)

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NYCPM Home page <http://www.nycpm.org> (now closed)

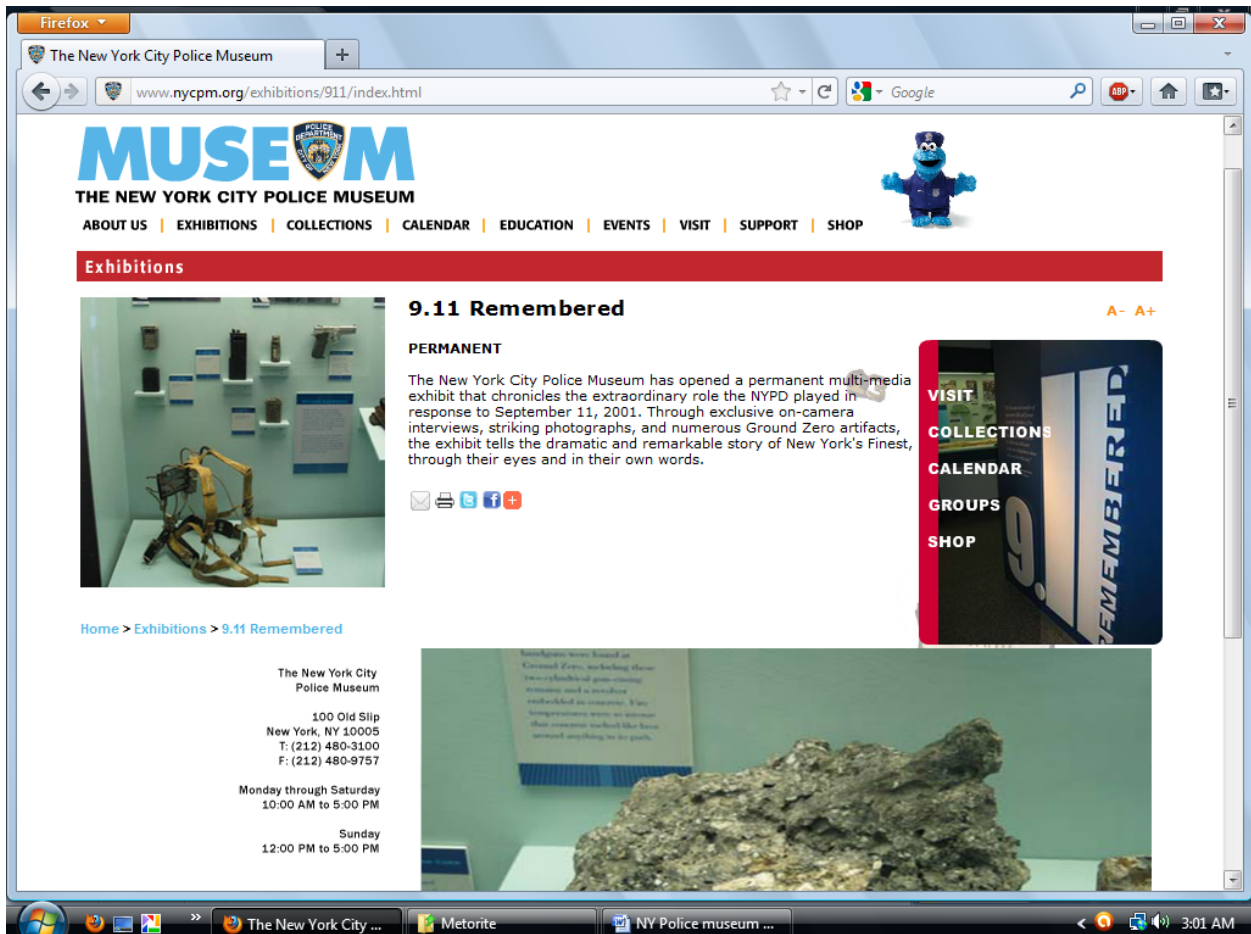
Home > Exhibitions > 9/11 Remembered <http://www.nycpm.org/exhibitions/911/index.html>

NY Police museum melted guns <http://www.archive.org/details/NewYorkPoliceMuseumWtcGunsMelted>

Case http://ia600303.us.archive.org/3/items/NewYorkPoliceMuseumWtcGunsMelted/DSC_7411_color_corrected.png

Now closed: New York City Police Museum 100 Old Slip, New York, NY 10005-3539 Phone (212) 480-3100

The museum has been closed and all the links no longer work, but you can see the saved screenshots below.



embedded in concrete. Fire temperatures were so intense that concrete melted like lava around anything in its path.

