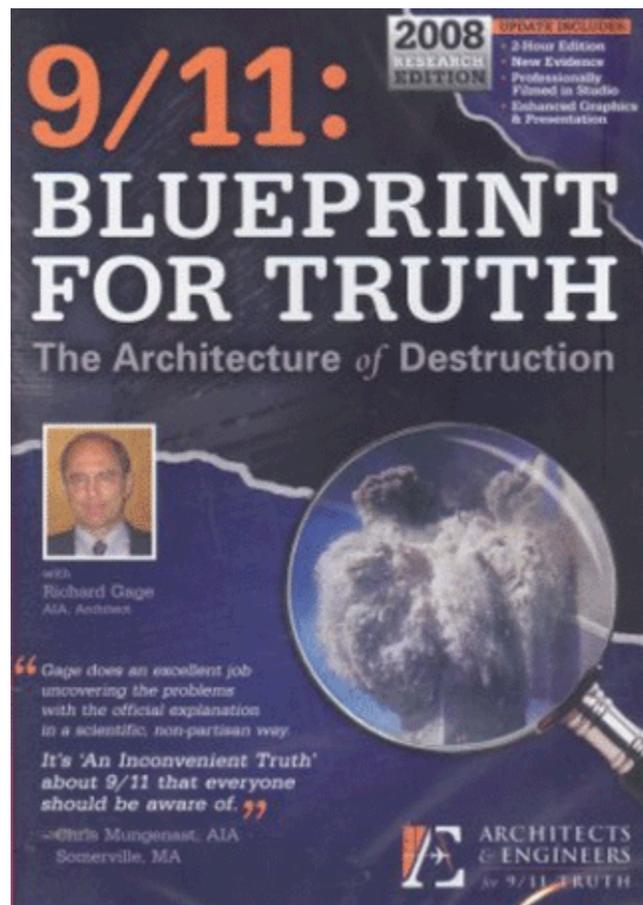


# 9/11: BLUEPRINT FOR TRUTH -- THE ARCHITECTURE OF DESTRUCTION: THE FORENSIC SCIENCE-BASED FACTS OF 9/11

by Architects & Engineers for 9/11 Truth

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[Transcribed from the movie by Tara Carreon]

**Slide 1:**

"Condemnation without investigation is the height of ignorance." -- Albert Einstein

**Slide 2:**

Richard Gage, AIA

**Slide 3:**



**Slide 4:**

More Ominous Terror Warnings

"At this moment, somewhere in the world, terrorists are planning new attacks on our country. Their goal is to bring destruction to our shores that will make September the 11th pale by comparison." -- George W. Bush, Feb. 13, 2008 (in reference to FISA bill update)

"Bush Spy Bill Stance Called Fear-Mongering"

**Slide 5:**

"The greatest threat now is 'a 9/11' occurring with a group of terrorists armed not with airline tickets and box cutters, but with a nuclear weapon in the middle of one of our own cities ... It's a very real threat." -- Dick Cheney, April 15, 2007

**Slide 6:**

"Colorado Republican Tom Tancredo [said] he believes a nuclear terrorist attack on the U.S. could be imminent and that the U.S. needs to hurry up and think of a way to stop it." -- CBS News, August 3, 2007

**Slide 7:**

"Former CIA Director R. James Woolsey tells NewsMax in an exclusive interview that terrorists could strike the American homeland -- possibly with a weapon of mass destruction -- this summer or early fall." -- NewsMax, August 7, 2007

**Slide 8:**

"[If al-Qaida does launch an attack inside the U.S.] ... it will be much bigger than 9/11." -- retired CIA veteran Michael Scheuer, NewsMax, July 25, 2007

**Slide 9:**

July 11, 2007: "Even though there was no specific terror threat, Head of Homeland Security, Michael Chertoff, proclaimed that he had a "gut feeling" that attacks were imminent!" -- Associated Press, July 11, 2007

**Slide 10:**

36% Believe the Administration Is Somehow Complicit -- Why?

"A Scripps-Howard poll of 1,010 adults last month found that 36% of Americans consider it "very likely" or "somewhat likely" that government officials either allowed the attacks to be carried out or carried out the attacks themselves. Thirty-six percent adds up to a lot of people. This is not a fringe phenomenon. It is a mainstream political reality." -- Time Magazine, 9/3/06, Lev Grossman, "Why the 9/11 Conspiracy Theories Won't Go Away"

**Slide 11:**

2007 Zogby Poll: 51% of Americans Want Congress to Probe the President and Vice President about 9/11

Zogby International, Ahead of the Curve.

Released: September 06, 2007.

Zogby Poll: 51% of Americans Want Congress to Probe Bush/Cheney Regarding 9/11 Attacks; Over 30% Seek Immediate Impeachment.

67% also fault 9/11 Commission for not investigating anomalous collapse of World Trade Center 7.

**Slide 12:**

ARCHITECTS & ENGINEERS FOR 9/11 TRUTH

Richard Gage, AIA, Architect, [rgage@ae911truth.org](mailto:rgage@ae911truth.org), Member of The American Institute of Architects

9/11: Re-examining the 3 WTC high-rise "collapses"

[www.ae911truth.org](http://www.ae911truth.org)

**Slide 13:**

The Website Architects & Engineers for 9/11 Truth

**Slides 14 & 15:**

TO THE MEMBERS OF THE HOUSE OF REPRESENTATIVES AND OF THE SENATE OF THE UNITED STATES OF AMERICA:

On Behalf of the People of the United States of America, the undersigned Architects and Engineers for 9/11 Truth and affiliates hereby petition for, and demand, a truly independent investigation with subpoena power in order to uncover the full truth surrounding the events of 9/11/01 -- specifically the collapse of the World Trade Center Towers and Building 7. We believe that there is sufficient doubt about the official story, and therefore that the 9/11 investigation must be re-opened, and must include a full inquiry into the possible use of explosives that may have been the actual cause behind the destruction of the World Trade Center Towers and WTC Building 7.

**Slide 16:**

9/11

**Slide 17:**

## 9/11: SHOCK AND AWE

- Americans were subjected to shocking attacks killing thousands and destroying cultural icons

### **Slide 18:**

- The six years since have given us time to step back and examine the events more objectively:

### **Slide 19:**

- to step out from the shock induced trance
  - to evaluate the new evidence
- to re-examine the 3 high-rise collapses objectively

### **Slide 20:**

The Jets, Impacts, Collapses, and the Development of a Myth

### **Slide 21:**

from the DVD: "9/11 Mysteries"

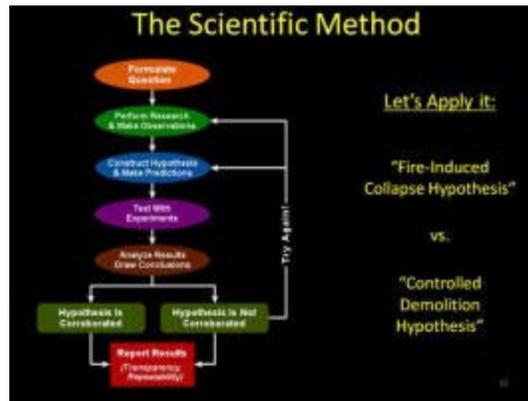
"On September 11, we learned that four passenger planes were hijacked and taken radically off course. Within an hour, two of the planes had flown into the enormous steel towers of the World Trade Center, creating fires and eventually toppling them. Dazed by the news, the American public soon believed the fires in the towers had burned so hot they caused the steel frames of the buildings to give way. A myth developed, fed by official sources through the media to a bewildered audience. Elements of the myth: the impact of the airplanes, gallons of burning jet fuel, steel melting, the buildings failing and suddenly imploding. In a mere 10 seconds, 110 stories hurtled earthward pulverizing into dust. Right from the start, on the street itself, the official story was born."

"Come out of nowhere, and just 'ream," right into the side of the tower, exploding through the other side. And then I witnessed both towers collapse. The first, and then the second, mostly due to structural failure because the fire was just too intense."

"The myth bled into the FEMA report and was echoed by the experts."

"It was the combination of the impact load doing great damage to the building, followed by the fire that caused collapse." -- W. Gene Corley, Ph.D., American Society of Civil Engineers

### **Slide 22:**



### The Scientific Method

Formulate Question → Perform Research & Make Observations → Construct Hypothesis & Make Predictions → Test With Experiments → Analyze Results, Draw Conclusions → **Hypothesis is Corroborated** → **Report Results (Transparency, Repeatability)**

Formulate Question → Perform Research & Make Observations → Construct Hypothesis & Make Predictions → Test With Experiments → Analyze Results, Draw Conclusions → **Hypothesis is Not Corroborated** → **Try Again!**

Let's Apply it:

"Fire-induced Collapse Hypothesis" vs. "Controlled Demolition Hypothesis"

#### Slide 23:

- Gather Data!

#### Slide 24:

What Demolished the 3 WTC High-rises?

#### Slide 25:

Forces that Destroy Buildings

- Explosion
- Earthquake-Collapse (Concrete) -- Topple

Each has a very different and identifiable set of characteristics

#### Slide 26:

Fire Induced Collapses are Asymmetrical ... Yet No Steel-Framed High-Rise Has Ever Collapsed



Oct., 2004 -- Caracas, Venezuela. 56-story building burned for 17 hours over 26 floors

**Fire Destruction:**

- An organic process
- Burns out an area in roughly 20 minutes, then seeks new combustibles
  - Causes some buildings to "fall over"

**Slide 27:**

20 Year Fire Protection Engineer Jonathan Barnett / FEMA: "Until [9/11] I have not seen a Protected Steel Structure Collapse in a Fire."

**Slide 28:**

The way in which steel frame buildings behave in fires depends on their construction. In this test done by British Steel in 1995, a large amount of typical office furniture was burned to see what happened to the heavy steel beams that supported the ceiling.

"When steel is bare, when it heats up, it gets weaker. It's not that it melts in a fire. In fact the fires, normal fires, are not hot enough to melt steel. Even if you were, for example, to use an unusual fuel, like kerosene, you cannot achieve temperatures hot enough to melt steel. But what happens is it starts to lose its strength. And as it loses its strength, it starts to sag. It becomes softer and sags, and can no longer support the load." -- Professor Jonathan Barnett, Worcester Polytechnic Institute

This was the largest test of its time \_\_, and it showed how unprotected steel can be distorted even by a normal office fire. But as is usual in steel buildings, the structural beams only slowly and progressively warped and sagged. There was no chance of a sudden collapse.

"In over 20 years I have not seen -- until recently -- a protected steel structure that has collapsed in a fire." -- Professor Jonathan Barnett, Worcester Polytechnic Institute

So what was the cause of the devastating explosive failure that happened to the World Trade Center?

**Slide 29:**

**These Buildings Fell Over / Following path of least resistance**



**These Buildings Collapsed / Recognizable as buildings (Concrete)**



**Slide 30:**

**These Buildings Exploded**

- **Sounds of explosions**
- **Flashes of light**

- **Thick, billowing smoke**
- **pyroclastic clouds of pulverized concrete**



**Slide 31:**

A Typical Controlled Demolition (Fire doesn't do this to Buildings)

**Slide 32:**



**Slide 33:**

But Things Can Go Wrong With Controlled Demolition

**Slide 34:**

This building is about to be destroyed in what is called a controlled demolition. Buildings do not do this spontaneously.

Here is another example of a controlled demolition. The initial charges are spaced about one second apart and you can see that each section begins falling separately.

Successful demolitions require that all structural support columns collapse at virtually the same time.



If they don't, or something else goes wrong, the result will look something like this.

**Slide 35:**

Typical Controlled Demolition

Characteristic Features:

**Slide 36:**

1. Sudden Onset of Destruction at Base of Structure

**Slide 37:**

2. Straight-Down, Symmetrical Collapse Into Footprint

**Slide 38:**

3. Demolition Waves Remove Column Support

**Slide 39:**

4. Free-Fall Speed Through Path of Greatest Resistance

**Slide 40:**

5. Total Dismemberment of Steel Structure for Shipping

**Slide 41:**

6. Minimal Damage to Adjacent Structures

**Slide 42:**

7. Sounds and Flashes of Explosives

**Slide 43:**

8. Enormous Clouds of Pulverized Concrete

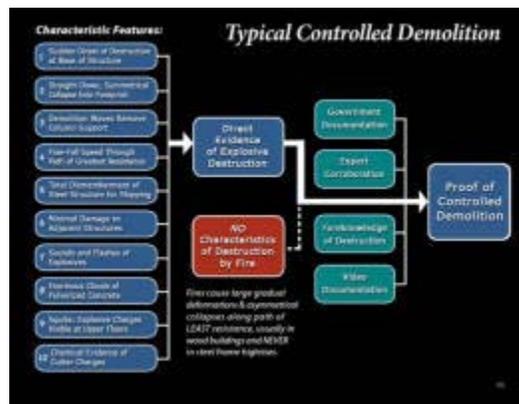
**Slide 44:**

9. Squibs: Explosive Charges Visible at Upper Floors

**Slide 45:**

10. Chemical Evidence of Cutter Charges

**Slide 46:**



**Slide 47:**

World Trade Center Building 7

**Slide 48:**

WTC 7



- 47 stories tall
- Would be the tallest building in 33 states

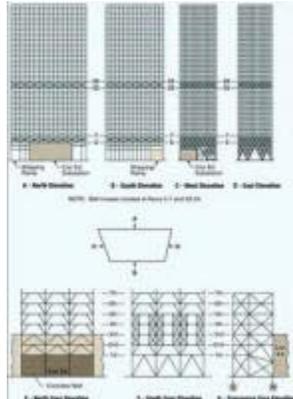
- Not hit by an airplane!

**Slide 49:**

Yet it was the 3rd WTC high-rise to collapse on 9/11 (110 yards from the North Tower)

**Slide 50:**

WTC7: Built over an existing "Con Ed" Electrical Substation: Any failure in these large trusses and supports would ensure an asymmetrical collapse.



**Slide 51:**

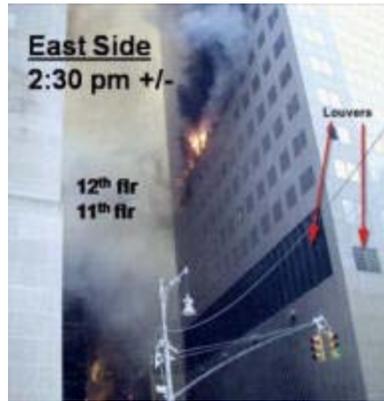
WTC 7: Hit by Debris from North Tower, Collapses 7 hours later at 5:20 p.m.



**Slide 52:**

WTC 7 -- Fire Progression at East (Where Collapse Began)

East Side, 2:30 p.m. +/-



North Side, 3:00 p.m. +/-

12th floor: (spread to East end)

7th floor: (never burned East of bldg. center)



**Slide 53:**

WTC 7 -- Fire Progression to East End (12th & 13th -- Securities & Exchange Commission)



**Slide 54:**

WTC Building 7 -- The Explosive Demolition Hypothesis

**Slide 55:**

## 1. Sudden Onset of Destruction at BASE of Structure

### **Slide 56:**

Emergency Worker: Eyewitness to Sudden Onset -- "... a sound of a clap of thunder ... shockwave ripping through the building ... windows busting out ..."

INTERVIEW 1010 WINS NYC NEWS RADIO WITH AN EMERGENCY WORKER BROADCASTED LIVE ON SEPTEMBER 11TH

"WE WERE WATCHING THE BUILDING [WTC7]

### **Slide 57:**

"WE WERE WATCHING THE BUILDING [WTC7] ACTUALLY 'CUZ IT WAS ON FIRE ... THE BOTTOM FLOORS OF THE BUILDING WERE ON FIRE AND ... WE HEARD THIS SOUND THAT SOUNDED LIKE A CLAP OF THUNDER ... TURNED AROUND -- WE WERE SHOCKED TO SEE THAT THE BUILDING WAS, AH, WELL IT LOOKED LIKE THERE WAS A SHOCKWAVE RIPPING THROUGH THE BUILDING AND THE WINDOWS ALL BUSTED OUT ... IT WAS HORRIFYING ... ABOUT A SECOND LATER THE BOTTOM FLOOR CAVED OUT AND THE BUILDING FOLLOWED AFTER THAT ... WE SAW THE BUILDING CRASH DOWN ALL THE WAY TO THE GROUND ... WE WERE IN SHOCK."

### **Slide 58:**

Same as Slide 57.

### **Slide 59:**

## 2. Straight-Down, Symmetrical Collapse Into Bldg. Footprint

### **Slide 60:**

**CBS News with Dan Rather -- WTC 7 Collapse at 5:21 p.m. -- "... it's reminiscent of those pictures we've all seen too much on television where a building was deliberately destroyed by well-placed dynamite to knock it down."**

### **Slide 61:**

**"What you are seeing are high shots. Now, here we're going to show you a videotape of the collapse itself. Now, we go to videotape of the collapse of this building. Amazing! Incredible! Pick your word. For the third time today, reminiscent of those pictures we've all seen too much on television where a building was deliberately destroyed by well-placed dynamite to knock it down."**

### **Slide 62:**

Same as Slide 61.

### **Slide 63:**

**WTC 7 -- A Straight-Down Symmetrical Collapse**



Network TV, From the North Side of Bldg 7 on West Street

**Slide 64:**



**Slide 65:**

Side-by-Side Comparison of WTC 7 to an Acknowledged Controlled Demolition

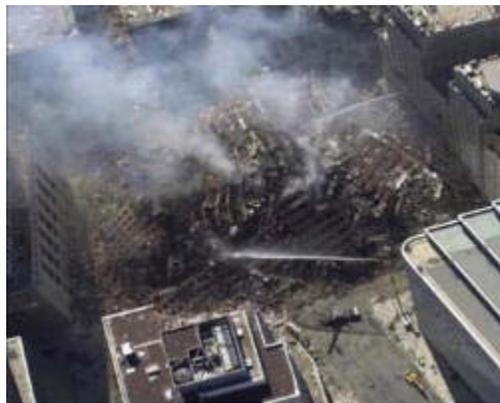


**Slide 66:**



**Slide 67:**

"... and nearly into its own footprint. The Center of the Pile is in the Center of the Building."



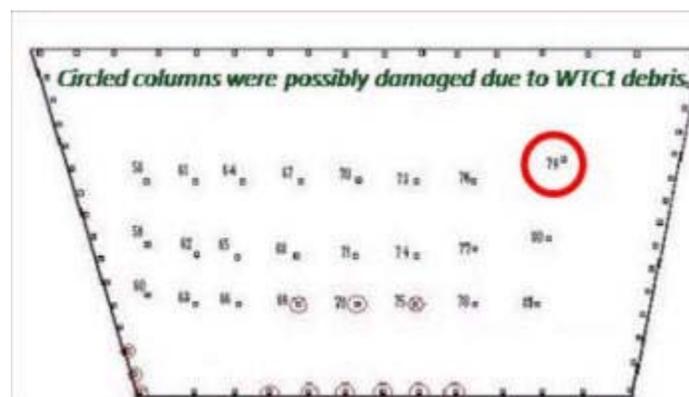
**Slide 68:**

3. DEMOLITION WAVES Remove Column Support

**Slide 69:**

23 Core Columns Give way at once

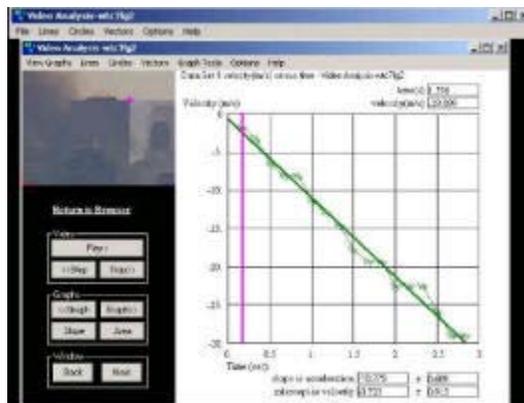
Can fire cause the core columns to fail within 1/10th of a second of each other (after Column 79) such that the building would collapse straight down, rapidly and symmetrically?







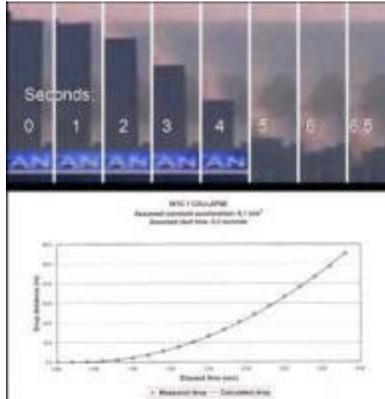
From this we can get a data table and various graphs.



The slope of this graph indicates acceleration which is shown here to be about  $-10.279 \pm 0.6$ . Free-fall in a vacuum is  $-9.8$  in these units. That falls within the margin of error of this measurement. In other words, the rate of fall of Building 7 in the first few seconds is indistinguishable from free-fall in a vacuum."

### Slide 74:

WTC 7 Acceleration -- Nearly FREE-FALL



- The data is plotted from the actual building fall.
- The curve (theoretical free-fall at constant acceleration) is then overlaid on top of the data.
  - The data neatly fits the curve.
  - Therefore, the steel columns gave almost no resistance to the falling building.
    - Were they "removed" by fire? Or by explosives?

**Slide 75:**

### **5. Total Dismemberment of Steel Structure**

**Slide 76:**

A 47-Story Skyscraper Compressed to 4 Stories, Indicating total dismemberment of the steel skeleton.



**Slide 77:**

Same as Slide 29.

**Slide 78:**

### **6. MINIMAL DAMAGE to Adjacent Structures**

**Slide 79:**

Minimal Damage to Adjacent Post Office and Verizon Office Bldg. Requires Precise Control of Detonation Sequence



**Slide 80:**

7. Sounds of Explosions

**Slide 81:**

Craig Bartmer, NYPD, Eyewitness to Explosions

**Slide 82:**

**"And the whole time you're hearing 'thum, thum, thum, thum'. So I think I know an explosion when I hear it, you know. I was real close to Building 7 when it fell down, and ran away from that. It sucked! That's one of the things I live with all of the time. And I don't know, but that didn't sound like just a building falling down to me when I was running away from it. There's a lot of eyewitness testimony down there hearing explosions. I didn't see any reason for that building to fall down the way it did, and a lot of guys should be saying the same thing."**

**Slide 83:**

Craig Bartmer, NYPD, "Thume! Thume! Thume! ... Think I know an explosion when I hear it ..."



Craig Bartmer, Former NYPD, First Responder, Ground Zero Worker

**Slide 84:**

Eyewitness to WTC 7 Explosion

Kevin McPadden -- Former Air Force Special Operations for Search and Rescue

**Slide 85:**

**"He came back over with his hand over the radio and what sounded like a countdown. And at the last few seconds, he took his hand off, and you heard, '3, 2, 1.' And he was just saying, 'Just run for your life! Run for your life.' And then it was another two, three seconds you heard explosions, like BA-BOOM! And it's like a distinct sound. It's not like compression, like BOOM, BOOM, BOOM, BOOM, BOOM. Like floors that were dropping and collapsing. This was BA-BOOM! And you felt a rumble in the ground like almost you wanted to grab onto something. To me, I knew that was an explosion. There was no doubt in my mind."**

**Slide 86:**



Kevin McPadden -- Former Air Force Special Operations for Search and Rescue

**Slide 87:**

Same as Slide 85.

**Slide 88:**

8. Enormous Pyroclastic Clouds of Pulverized Concrete

**Slide 89:**

Pyroclastic-Like Clouds of Pulverized Concrete



**Slide 90:**



**Slide 91:**

9. Pools of Molten Iron

**Slide 92:**

Any Evidence of Molten Metal?

Note: This section applies to the Twin Towers as well as WTC 7.

**Slide 93:**

Pouring Molten Metal from WTC 2

There is also video and photo evidence of what appears to be a Thermite reaction taking place in the South Tower. Just moments before it collapses, a whitish-yellow molten metal can be seen pouring out of the damaged floors.

**Slide 94:**

Inoperative.

**Slide 95:**

Was it Molten Aluminum from an Airplane?



- Molten aluminum is silvery, not glowing yellow or orange. It doesn't "luminesce" in daylight as this experiment shows.

## Slides 96 & 97:

### WTC Structural Engineer: Eyewitnesses Molten Metal

- **"As of 21 days after the attack, the fires were still burning and molten steel was still running."** -- Leslie Robertson, structural engineer responsible for the design of the WTC, at the National Conference of Structural Engineers on October 5, 2001, James M. Williams, "WTC A STRUCTURAL SUCCESS," SEAUNews, The Newsletter of the Structural Engineers Association of Utah, Volume VI -- Issue II, October 2001, p.3.

### Slide 98:

#### Molten Metal on the Street

- **"Fires burned and molten metal flowed in the pile of ruins still settling beneath my feet."** -- Sarah Atlas, New Jersey's Task Force One Urban Search and Rescue, Penn Arts & Science, Summer 2002 issue.

### Slide 99:

What do the First Responders and Demolition Contractors say about molten metal?

### Slide 100:

- **"... saw pools of 'literally molten steel' at the World Trade Center."** -- Peter Tully, president of Tully Construction of Flushing, Lead Contractor for Site Clean-up.

### Slide 101:

- **"I talked to many contractors, and they said they actually saw molten metal. Beams had just totally had been melted because of the heat."** -- Chaplain Herb Trimpe

### Slide 102:

O'Toole remembers seeing a crane lift a steel beam vertically from deep within the catacombs of Ground Zero.

- **"It was dripping from the molten steel."** -- Joe O'Toole, a Bronx firefighter

### Slide 103:

- **"...descended deep below street level to areas where underground fires still burned and steel flowed in molten streams."** -- Reporter with rare access to the debris at ground zero.

### Slide 104:

- **"Fires are still actively burning, and the smoke is very intense ... In some pockets now being uncovered, they are finding molten steel."** -- Alison Geyh, Ph.D.

### Slide 105:

- **"Feeling the heat, seeing the molten steel, the layers upon layers of ash, like lava, it reminded me of Mt. St. Helens."** -- Burger, A veteran of disasters from the Mississippi floods and Mt. St. Helens.

**Slide 106:**

- **"Shards of steel lay upon shards of steel, shifting and unstable, uncovering red hot metal beams excavated from deep beneath layers of sub-floors."** -- Burger, A veteran of disasters from the Mississippi floods and Mt. St. Helens.

**Slide 107:**

- **"They showed us many fascinating slides," he continued, "ranging from molten metal which was still red hot weeks after the event ..."** -- Dr. Keith Eaton

**Slide 108:**

- **"There was still molten steel at the heart of the towers' remains. Firemen sprayed water to cool the debris down, but the heat remained intense enough at the surface to melt their boots."** -- Guy Lounsbury of New York Air National Guard's 109th Air Wing

**Slide 109:**



FDNY Firefighters Witness Molten Metal

- **"... molten steel running down the channel rails -- like lava from a volcano."**

**Slide 110:**

**"And you'd get down below and you'd see molten steel -- molten steel running down the channel rails. Like you're in a foundry. Like lava from a volcano."**



**Slide 111:**

- **"For about two and a half months after the attacks, NYDS played a major role in debris removal - everything from molten steel beams to human remains ..."** -- NY Department of Sanitation spokeswoman

**Slide 112:**

- **"The streams of molten metal that leaked from the hot cores and flowed down broken walls inside the foundation hole."** -- William Langewiesche, American author and journalist

**Slide 113:**

- **"Seeing in the darkness a distant, pinkish glow, molten metal dripping from a beam -- but found no signs of life."** -- Lee Turner, Boone County Firefighter

**Slide 114:**

- **"In the first few weeks, sometimes when a worker would pull a steel beam from the wreckage, the end of the beam would be dripping molten steel."** -- Fuchek

**Slide 115:**



- **"I saw melting of girders in World Trade Center."** -- Abolhassan Astaneh-Asi, the first structural engineer given access to the WTC steel at Fresh Kills Landfill, National Science Foundation Grant

**Slide 116:**

- "... numerous fires were still burning and smoldering. Underground it was still so hot that molten metal dripped down the sides of the wall from Building 6." -- 9/11 Commission Report

**Slide 117:**

- "Going below, it was smoky and really hot ... The debris past the columns was red-hot, molten, running." -- Richard Garlock, Structural Engineer / LERA

**Slide 118:**



Massive Heat Source Bends Steel Columns With no Buckling

**Slide 119:**

from the DVD: "9/11 Mysteries"



"The steel in dragon-like lengths and contortions spoke for itself.



Bent, deformed, without cracks."



"I find it hard to believe that it actually bent, because of the size of it and how there's no cracks in the iron. It bent without almost a single crack in it.



**It takes thousands of degrees to bend steel like this."**



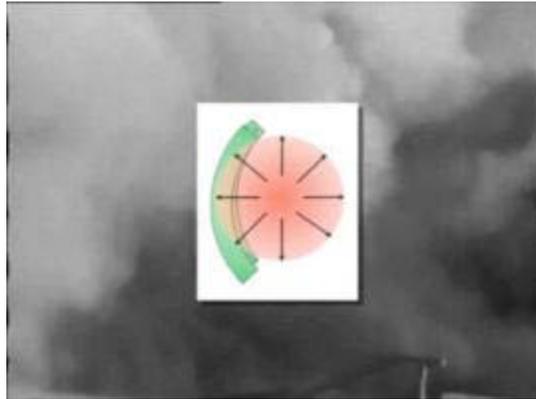
"Typically you'd have buckling and tearing on the tension side, but there's no buckling at all. There's no buckling at all."



"And architects, engineers, people who work with steel -- welders -- have just never seen the level of destruction and the level of deformation of this material in their lives." -- Bart Voorsanger, Architect



"Explosives also deform steel. As they fire, gas pushes outward."



The force of the gas can easily bend a large steel column."

**Slide 120:**

Reporting to Jim McKay, Post-Gazette Staff Writer, on September 11, 2002:

- **"... a fire truck 10 feet below the ground that was still burning two weeks after the Tower collapsed, its metal so hot that it looked like a vat of molten steel."** -- Vance Deisingnore, OSHA Officer at WTC

**Slide 121:**

- Six weeks after 9/11, **"There are pieces of steel being pulled out [from as far as six stories underground] that are still cherry red."** -- Firemen and hazardous materials experts

**Slide 122:**

Molten Metal "Meteorites"

**Slide 123:**



From the DVD: "Relics in the Rubble"

"One of the more unusual artifacts to emerge from the rubble is this rock-like object that has come to be known as the meteorite."



"There's this fused element of molten steel, and concrete, and all of these things, all fused into one single element."



"And almost like a chunk of lava from Kilauea or Iceland where they're very sharp but breakable shards on the end here."

**Slide 124:**

Cooled Molten Metal "Meteorites" Found at WTC: Very High Iron Content

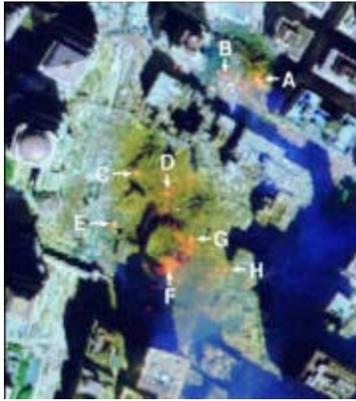
9/11 artifacts architect, Bart Voorsanger, discovers numerous multi-ton previously molten "meteorites" in the WTC rubble.



(Aluminum does not rust!)

**Slide 125:**

Hot spots in WTC rubble: Corroborates reports of deep-down molten metal.



(USGS aerial photo 9-16-01)

Surface Temperatures:

- C-D is WTC1, ~ 1160 °F
- A-B is WTC7, ~ 1340 °F
- F-G is WTC2, ~ 1377 °F

The official reports by NIST, FEMA and the 9/11 Commission, however, omit any mention of the large quantities of molten metal observed in the basement areas of the twin towers and WTC 7.

**Slide 126:**

**Hot spots in WTC rubble: Corroborates reports of deep-down molten metal.**



WTC Site, Sept. 18, 2001

**Slide 127:**

Molten metal beneath both Towers and WTC 7.



Hydrocarbons (i.e., jet fuel) burning in open air cannot produce temperatures capable of melting steel. So what can?

	°F	°C
Lead (Pb) Melts	621	327
Faint Red	930	500
Blood Red	1075	580
WTC fires (J. Engar)	1200	650
*Aluminum Melts	1221	660
Medium Cherry	1375	690
Cherry	1575	745
Bright Cherry	1450	790
Salmon	1550	845
Dark Orange	1650	900
Orange	1725	940
Lemon	1850	1040
Light Yellow	1975	1100
White	2200	1260
*Structural Steel Melts	-2798	-1510
*Iron Melts	2800	1530
*Thermite (typical)	>4,500	>2500

Slide 128:



Slide 129:

"Mr. Bryan:

I didn't personally see molten steel at the World Trade Center site. It was reported to me by contractors we had been working with. Molten steel was encountered primarily during excavation of debris around the South Tower when large hydraulic excavators were digging trenches 2 to 4 meters deep into the compacted/burning debris pile. There are both video tape and still photos of the molten steel being 'dipped' out by the buckets of excavators. I'm not sure where you can get a copy. Sorry I cannot provide personal confirmation.

Regards.

Mark Loizeaux, President, CONTROLLED DEMOLITION, INC., 2737 Merryman's Mill Road, Phoenix,  
Maryland USA 21131"

**Slide 130:**

And Yet NIST Flatly Denies the Existence of Molten Metal

John Gross, Lead Engineer of the NIST Report, answers questions about molten Metal:

"I know of absolutely nobody -- no eyewitnesses -- nobody who has produced it."

At a lecture of Univ. of Texas / Austin on the collapse of the Twin Towers.

**Slide 131:**

Matt Dayton of Project for a new American Citizen: "I'm curious about the pool of molten steel that was found in the bottom of the towers."

[John Gross] "I am too. Please tell me about it. Have you seen it?"

[Matt Dayton] "Well, not personally, but eyewitnesses there found huge pools of molten steel beneath the towers. And some scientists don't think that the collapse of the building could have melted all that steel. And a physics professor analyzed some of the steel, Steven Jones, and he found evidence of thermate residue, which would explain how the buildings collapsed by means of pre-planted explosives. So have you analyzed the steel for us?"

[John Gross] First of all, let's go back to your basic premise that there was a pool of molten steel. I know of absolutely nobody, and no eyewitness who has said so, and nobody who has produced it."

FDNY Firefighters Witness Molten Metal -- "You'd get down below and you'd see molten steel -- molten steel running down the channel rails. Like you're in a foundry. Like lava from a volcano."

"Out, still on the rubble, it's still, I believe, 1,100°. The guys' boots just melt within a few hours."

"It's unbelievable, and this is almost six weeks later. And as we get closer to the center of this, it gets hotter and hotter. It's probably 1,500 degrees. We've had some small windows into what we thought was the core at some point, and it looked like an oven. It was just roaring inside. And it was just a bright, bright, reddish-orange color."



**[John Gross] I know of absolutely nobody, and no eyewitness who has said so, and nobody who has produced it. Now, I was on the site. I was on the steel yards. So, I can't, I don't know that that's so. Steel melts at about 2,600 °F. I think it's probably pretty difficult to get that kind of temperature in a fire. So, I don't know the basis. I can't address your question if I don't know the basis."**

[Matt Dayton] "Well, thermal images show those sorts of temperatures in the basement."

[John Gross] "Would you send them to me?"

[Matt Dayton] "Okay, I would like to echo a frequently asked question on the NIST.com website regarding World Trade Center 7 in that the report on World Trade Center 7's \_\_\_ after collapse has not been released by NIST. And the fact that the tower collapsed in approximately 6.6 seconds, and free-fall in a vacuum would be approximately 6 seconds, is a controlled demolition hypothesis being examined for World Trade Center 7?"

[John Gross] "We are looking at it. There's actually a very good write-up recently from Controlled Demolition Expert which you probably ought to read. We haven't finished the investigation yet, so I'm not at liberty to talk about any intermediate finding. We were charged with finding out the cause of the collapse. And we found what happened. I think we've scientifically demonstrated what was required to initiate the collapse. Once the collapse initiated, the video evidence is rather clear. It was not stopped by the floors below, so there was no calculation that we did to demonstrate that, what is clear from the videos."

ONE MORE TIME.

[John Gross] "We were charged with finding out the cause of the collapse. And we found what happened. I think we've scientifically demonstrated what was required to initiate the collapse. **Once the collapse initiated, the video evidence is rather clear. It was not stopped by the floors below, so there was no calculation that we did to demonstrate that, what is clear from the videos."**

You're right John! It is clear from the video evidence.

**Slide 132:**

NIST's Scientific Method:

NIST: If the Data doesn't support the FIRE hypothesis: Deny that it exists!

**Slide 133:**

WTC Basement Fires Defeat Water! Fires much worse after collapse.

- The last fire was not extinguished until Dec. 19, 2001 -- over 3 months after 9/11.

**Slide 134:**

- **"You couldn't even begin to imagine how much water was pumped in there. It was like you were creating a giant lake."** -- Tom Manley, FDNY, Uniformed Firefighters Association, the largest fire department union.

**Slide 135:**

- Thermite contains its own supply of oxygen

- It will burn just as well underwater
- Water sprayed on a thermite reaction will instantly be boiled into steam

**Slide 136:**

10. Chemical Evidence of Thermate Cutter Charges

**Slide 137:**

Could Thermite Have Produced All That Molten Metal?

**Slide 138:**

Thermite: An Incendiary Used by Military and in Controlled Demolition

**Slide 139**

From the DVD: "9/11 Mysteries"

"Thermite:  $\text{Fe}_2\text{O}_3 + 2\text{Al}$

An incendiary used by the military, Thermite is a compound of Iron Oxide and Aluminum which, when ignited, sustains an extreme heat reaction creating molten iron. In just two seconds, Thermite can reach temperatures of over 4,500 °F: quite enough to liquify steel. We know that open air fires cannot burn hot enough to melt steel. But metal had melted at the base of the Towers.



Appendix C of the FEMA report describes sulfur residues on the World Trade Center steel. The New York Times called this 'the deepest mystery of all.' Sulfur slightly lowers the melting point of iron, and iron oxide and iron sulfide had formed on the surface of the structural steel. Sulfur used with Thermite is called Thermate, producing even faster results.

Thermite:  $\text{Fe}_2\text{O}_3 + 2\text{Al} + \text{Sulfur} \rightarrow$  lowered melting point and accelerated results."

**Slide 140:**

Was NFPA 921, Guide for Fire and Explosion Investigations used?

Standard for Arson Investigation

- Sec. 12-4: "Unusual residues ... could arise from thermite, magnesium, or other pyrotechnic materials."

### Slide 141:

- NIST acknowledges that it did not look for such evidence
  - But others did ...

### Slide 142:

"Chemical Analysis Performed On Previously Molten Metal" -- Dr. Steven Jones, Physicist

### Slide 143:

The Signature of Thermite

"Thermite reaction compounds used to ignite a fire ...

- produce a characteristic burn pattern:
  - white ash
  - white-yellow hot liquid metal
  - intense white reaction zone seen

### Slide 144:

- and leave behind unique chemical evidence:
  - common elements such as iron, aluminum, copper, calcium, silicon
  - unusual elements such as fluorine and manganese left behind in the residue

### Slide 145:

Periodic Table of the Elements

The image shows a standard periodic table of elements. Several elements are circled in red: Potassium (K) in the first column, second row; Manganese (Mn) in the seventh column, fourth row; Iron (Fe) in the eighth column, fourth row; Aluminum (Al) in the thirteenth column, third row; Silicon (Si) in the fourteenth column, third row; Sulfur (S) in the sixteenth column, third row; and Fluorine (F) in the seventeenth column, second row. The table is titled "Periodic Table of the Elements" and includes the Lanthanide and Actinide series at the bottom.

### Slide 146:

Molten Metal Sample from WTC

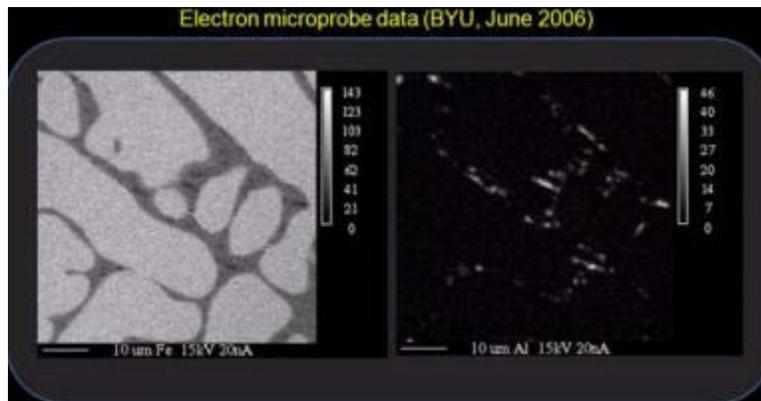


- 40-lb chunk of previously molten metal from a larger "meteorite" from the South Tower
  - Small chip sent to physicist Steven Jones for analysis

**Slide 147:**

The previously molten metal is predominately iron. So he rules out molten aluminum from jet planes.

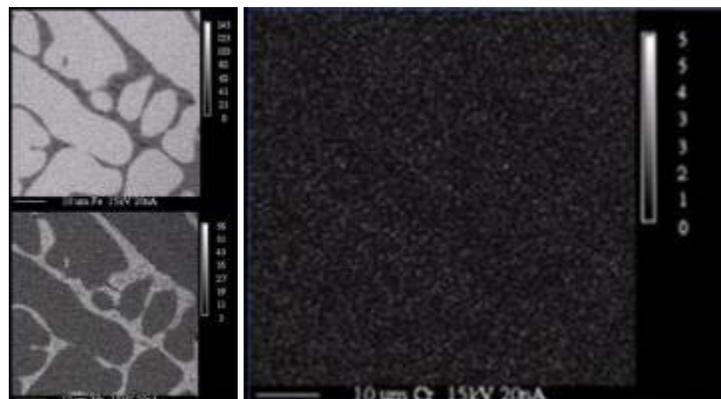
Electron microprobe data (BYU, June 2006)



**Slide 148:**

The molten metal has very little Chromium, yet abundant Manganese. So he rules out molten structural steel as a major component.

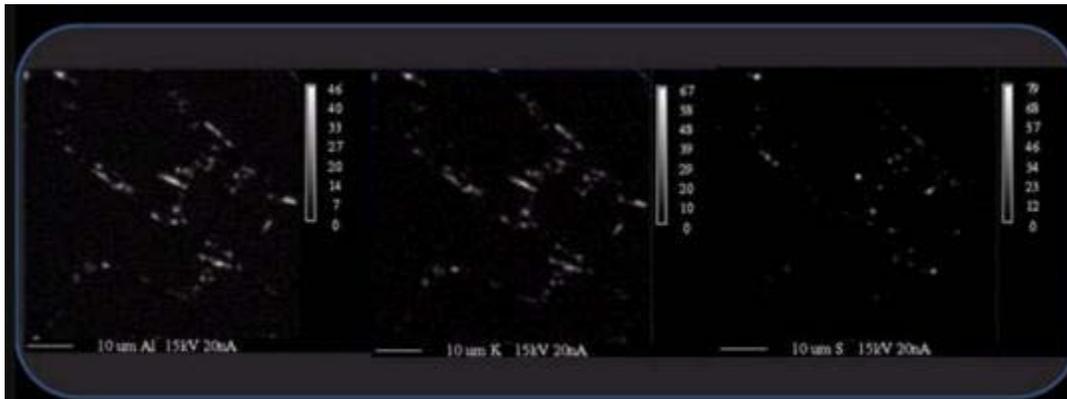
Electron microprobe data (BYU, June 2006)



**Slide 149:**

The previously molten metal has small amounts of Aluminum (Al), Sulfur (S), and Potassium (K).

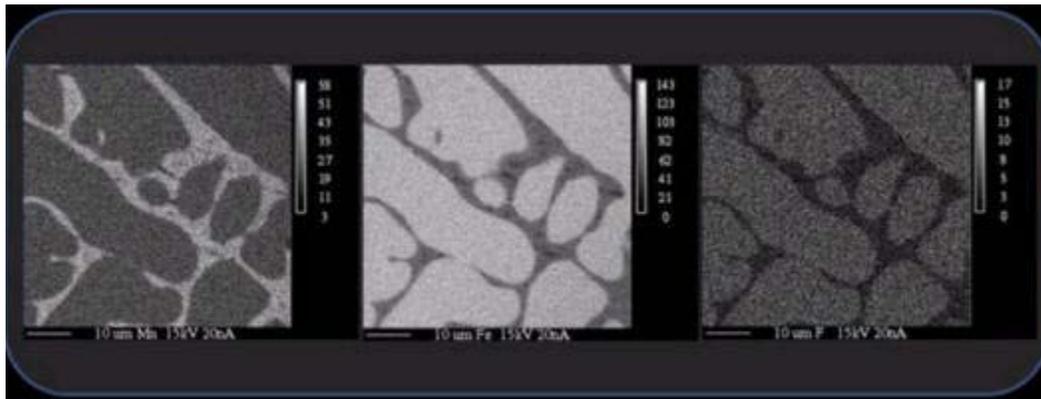
Electron microscope data (BYU, June 2006)



**Slide 150:**

The previously molten metal has Manganese and Fluorine in abundance.

Electron microscope data (BYU, June 2006)



**Slide 151:**

**Manganese and Fluorine?**

**The Manganese is from the Potassium Permanganate (KMnO<sub>4</sub>), commonly used as an oxidizer in thermite.**

**Fluorine is used in Sol-Gel type thermite charges.**

**Hence, K, Mn and F are often present in the residue, and are part of a "thermite fingerprint."**

**Slide 152:**

2nd Sample Source: 9/11 Monument.



**Slide 153:**

The previously molten metal samples clinging to WTC steel, from the monument.



- X-ray fluorescence analysis of samples (above) show Fe, S, K, Mn (abundant), Ca.

**Slide 154:**

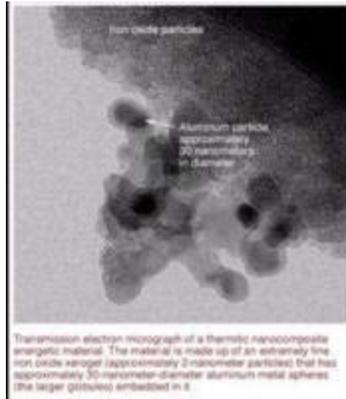
Gel-explosives: "Super-thermite".

Tiny aluminum particles in iron oxide, in a sol-gel:

"High energy density and extremely powerful."

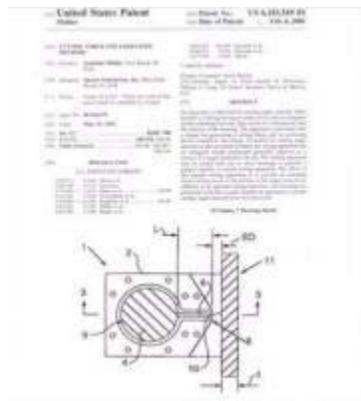
"... can be cast to shape."

-- Livermore Nat'l Lab 2000



**Slide 155:**

1999: "Invention offers a thermite based apparatus for cutting target material [steel] of substantial thickness ... linear ... cutting action ..."



This thermite-based method will allow operators to penetrate thicker materials in time frames similar to explosive shape charges without the safety concerns and security risks associated with explosives. In addition, the sustained duration of a thermite jet will more effectively handle discontinuities and interfaces that normally disrupt and dissipate explosively driven shape charge jets ... the sustained jet of a thermite charge offers improved performance with limited or substantially no preconditioning ... the projected thermite charge particle stream anticipated timing for material penetration is typically on the order of hundreds of milliseconds.

**Slide 156:**

Thermite cut through steel? (Office fires don't do this to steel)



WTC 7 Steel from the 9/11 Memorial, International Peace Garden, ND/Manitoba

Slide 157:

WTC 7 Steel from the 9/11 Memorial, International Peace Garden, ND/Manitoba



Slide 158:

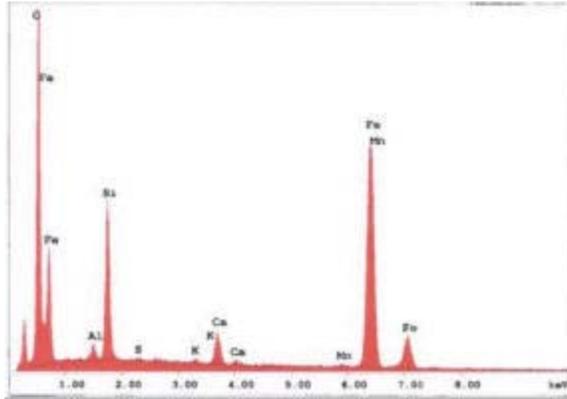


Slide 159:



Slide 160:

X-EDS Analysis of Slag Residue on End of Beam at International Peace Park, ND/Manitoba



**Slides 161 & 162:**

**But sol-gels (super-thermite "binder") would also leave a signature residue: 1,3-diphenylpropane (1,3-DPP)**

**Slide 163:**

- "Pore size effects in the pyrolysis of 1,3-diphenylpropane confined in mesoporous silicas" -- Research by chemist Kevin Ryan

**Slides 164 & 165:**

EPA Analysis of the WTC dust showed:

- **"One molecule was present at levels that dwarfed all others ... 1,3-diphenylpropane."**

**Slide 166:**

- "We've never observed it in any other sampling we've ever done." -- Erik Swartz, EPA

Swartz speculated that it might possibly be from computers, but there have been many computers burned in office fires, and no 1,3 DPP has ever been found!

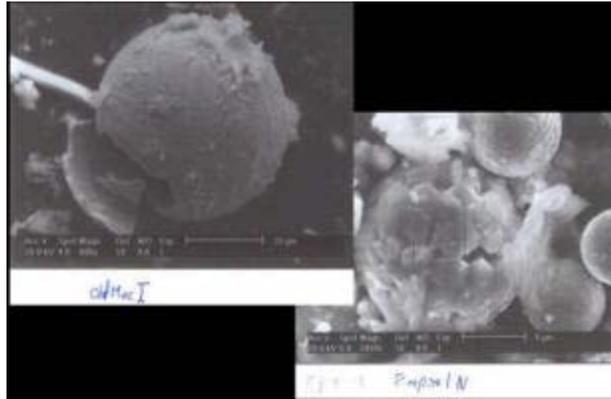
**Slide 167:**

Evidence of Thermite in the WTC Dust?

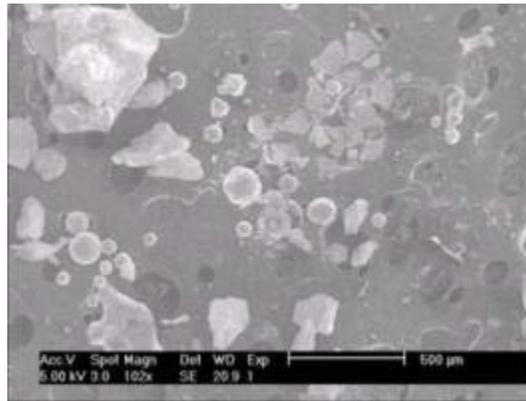
Iron-aluminum-rich Microspheres

**Slide 168:**

Iron-rich Micro Spherules found in WTC Dust by Steven Jones, Ph.D., Physicist



**Slide 169:**



From WTC Dust found in J. MacKinlay apartment across the street from WTC 2

Prof. Jones collected iron-rich particles in the dust by pulling a magnet across the outside of a plastic bag containing the dust. He found an abundance of spherical particles in this iron-rich component, some of which were up to about 1.5 mm. (about 1/16") in diameter -- quite visible.

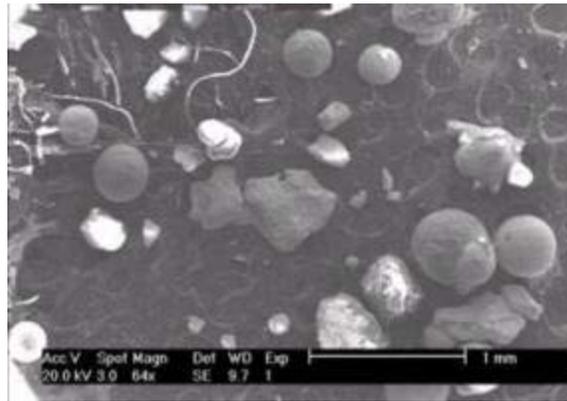
**Slide 170:**

- The iron-rich component of the WTC dust sample was analyzed in some detail by scanning electron microscopy (SEM) and x-ray energy dispersive spectroscopy (X-EDS).
- These magnetic particles were, as one might expect, rich in iron -- an estimated 0.1% of the dust.
- **The presence of metallic microspheres implies that these metals were once molten, so that surface tension pulled the droplets into a roughly spherical shape.**
- Then the molten droplets solidified in air, preserving the information that they were once molten in the spherical shape, as well as chemical information.

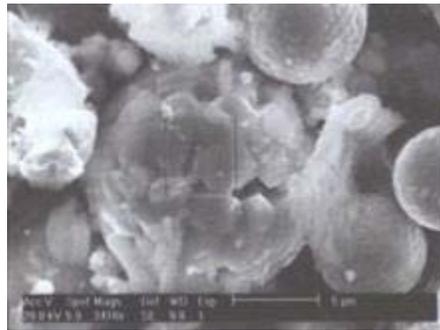
Jones estimates an overall quantity of ten tons of molten iron from thermite based on the quantity and chemical composition of the spheres seen, and the amount of dust produced during the destruction of these buildings.

**Slide 171:**

Compare the Iron-Rich Micro Spherules found in WTC Dust to a Known Thermite Experiment



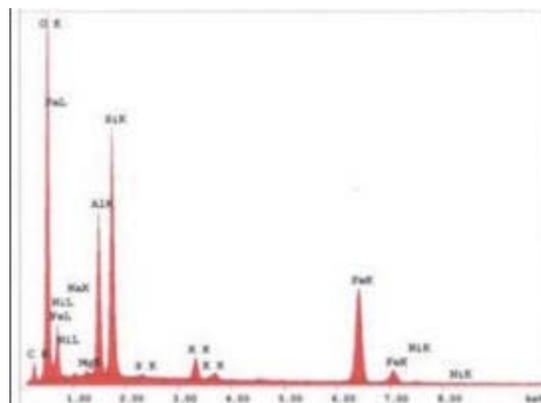
- Spheres found in WTC dust



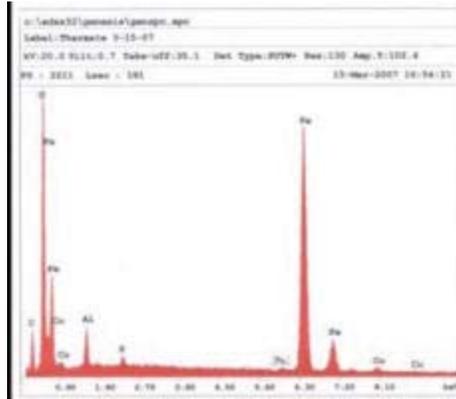
- Iron spheres found by S. Jones, Ph.D., in thermite experiment by John Parulis, NV

**Slide 172:**

Microspheres Carry "Signature" of Thermite



WTC Iron microspheres contain almost the same chemical makeup in percentages as the controlled experiment: Iron, Aluminum, Manganese, etc.



Microspheres from Parulis Thermite Experiment -- X-EDS signature: Iron, Aluminum, Manganese, etc.

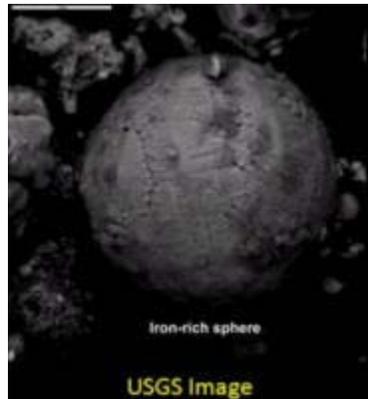
**Slide 173:**

Corroboration by USGS -- EPA

Others have reported the presence of iron-rich particles in the dust:

"The United States Environmental Protection Agency (EPA) has begun a reassessment of the presence of World Trade Center (WTC) dust in residences, public buildings, and office spaces in New York City, New York.

Meeker and others (2005a) have identified slag wool (a man-made vitreous fiber, MMVF), gypsum (CaSO<sub>4</sub>·2H<sub>2</sub>O), or anhydrite (CaSO<sub>4</sub>), and phases compatible with concrete as signature components of the WTC dust. **In addition to these phases, other MMVF, metal or metal oxides, mineral material, and asbestos are present in trace to minor amounts."**



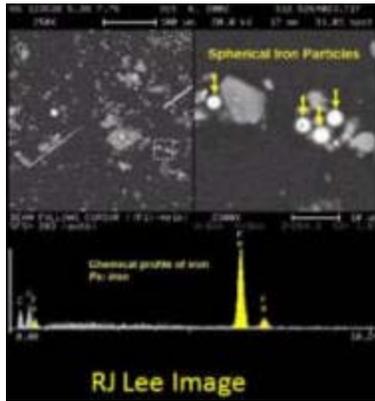
**Slide 174:**

Corroboration by R.J. Lee Company

WTC Dust Signature Report, Deutsche Bank, December, 2003

The R.J. Lee report concludes:

"Various metals (most notably iron and lead) were melted during the WTC Event, producing spherical metallic particles. Exposure of phases to high heat results in the formation of spherical particles due to surface tension ..."



**Slide 175:**

Corrosion from "Atomized" Thermite?

- Evidence of high temperature corrosion is evident on about 1,000 cars near the World Trade Center on 9/11/2001.
- This corrosion occurred on the car tops, yet the paint was usually intact below, consistent with a corrosive cloud "settling".



**Slide 176:**

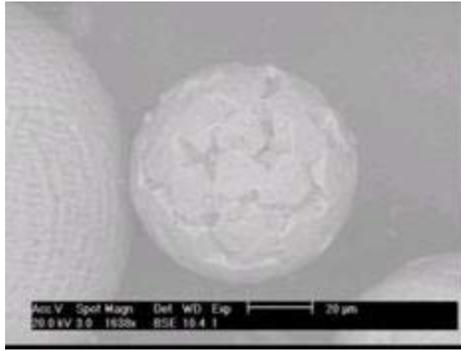
Manganese was also found by the Lower Manhattan Development Corp, and the City's Chief Medical Examiner:

**" ... large amounts of 9/11 toxins, asbestos, dioxin, lead, silica, quartz, polycyclic aromatic hydrocarbons, chromium and manganese have been found in the Deutsche Bank Building across the street from WTC 2."**

**Slide 177:**

Dr. Jones' Results

Given the mix of trace metals present in anomalously high concentrations in the WTC dust, such as zinc, copper and manganese, and the formation of iron-aluminum-rich spherules ... it is clear that significant aluminothermic reactions occurred, with likely ingredients to include powders of aluminum, iron oxide, copper oxide, zinc nitrate, and potassium permanganate.

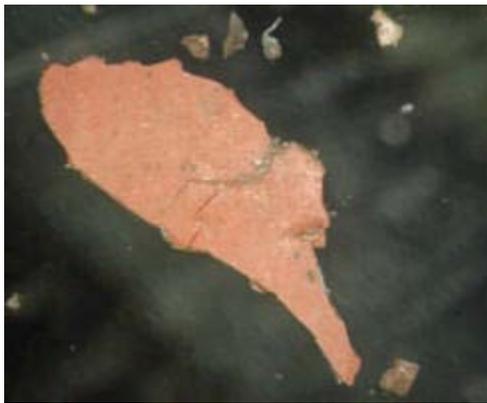


**Slide 178:**

Unignited Thermite also found in the WTC Dust?

**Slide 179:**

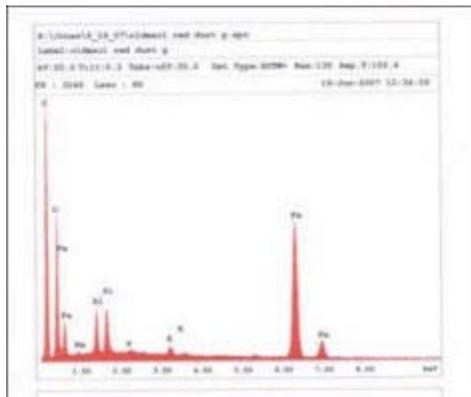
Numerous "Red Chips" Found in WTC dust (in all 4 WTC dust samples by Steven Jones, Ph.D.)



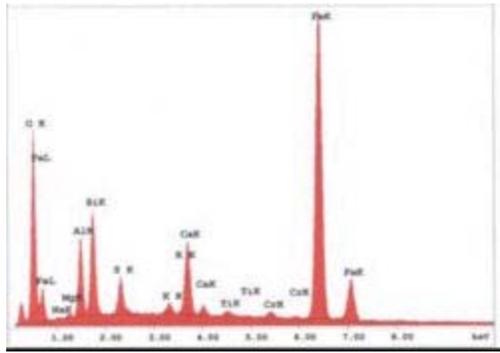
- Bi-layered (Red/Gray)
- Attracted by magnet
- Chemical composition of Thermite

**Slide 180:**

X-EDS Confirms Thermite Signature in "Unexploded" Red Chips



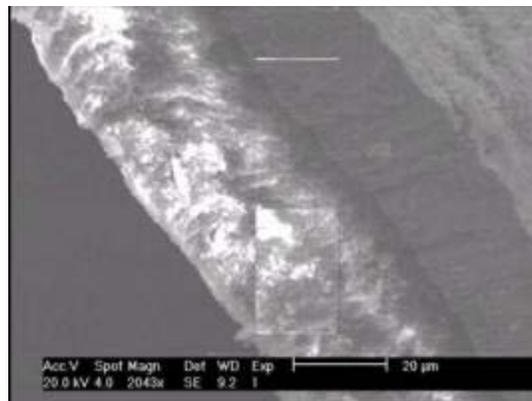
X-EDS of Red chips, Liberty Apt. (sample 1), Bridge (sample 4) Fe-O-(K)-Al-Si



X-EDS of Traditional Thermite

**Slide 181:**

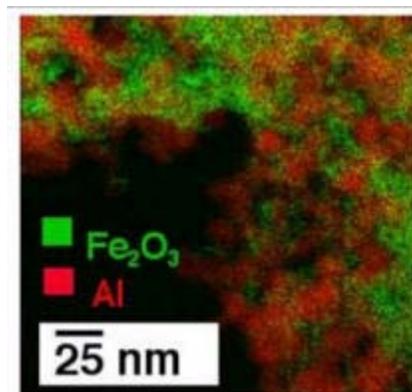
Red Chips from WTC Dust are Bi-layered, Red (left) / Gray (right).



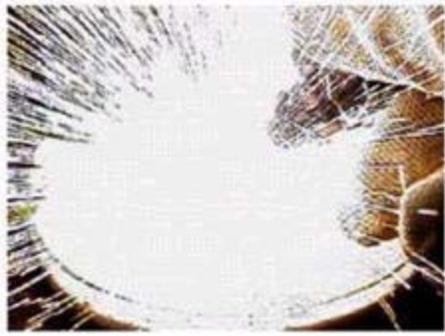
Particles are "Nano-sized" (Explosive Thermate)

**Slide 182:**

Nano-thermite, aka Super-thermite: "... extremely fine mixing of ultrafine aluminum and iron oxide." -- Lawrence Livermore Lab



- Above: "Transmission electron micrograph of a sol-gel incorporating  $\text{Fe}_2\text{O}_3$  / Al (thermite) nanocomposites illustrates the extremely fine mixing of ultrafine aluminum and iron oxide."
  - Nano-thermite is explosive!



**Slide 183:**

Super Thermites Are Explosive. Los Alamos National Lab is a Leading Research Lab

**Licensable Technologies**      **Enhanced Explosive Materials Using Nano-Particulate Metal Fuels**

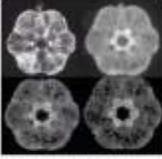
**Applications:**

- Explosives material, e.g., TDI materials for bullets
- Propellants, e.g., temperature insensitive rockets
- Pyrotechnics, e.g., flash devices

**Benefits:**

- High energy density, highly reactive
- Enables use of liquid fluorocarbon mixtures to completely coat metal particles
- Low sensitivity to changes in ambient temperature

**Los Alamos NATIONAL LABORATORY**  
— 1945-2025 —



The enhanced (LEU-138) is unique nano-energetic dense (TED) material in a configuration designed to enhance the burning rate of the explosive abundant fuel particles with surrounding air. These are the conventional used materials.

**Summary:**

Metal fluorocarbon mixtures have been recognized since World War II as highly reactive pyrotechnics. Their use as explosives, however, has, until recently, been limited due to the inherently low reaction rates of the metal particles with the fluorocarbon material. Scientists at Los Alamos National Laboratory have discovered that these slow reaction rates can be greatly enhanced by substituting nano-sized aluminum for the conventional micron-sized metal powders, enabling various applications heretofore not possible with metal fluorocarbon mixtures.

Nano-sized aluminum acts as a burning rate modifier. Its high surface area allows for fast chemical reactions enabling

[www.lanl.gov/partnerships/licensable-technologies/](http://www.lanl.gov/partnerships/licensable-technologies/)  
An Equal Opportunity Employer • Sponsored by the U.S. Atomic Energy Commission

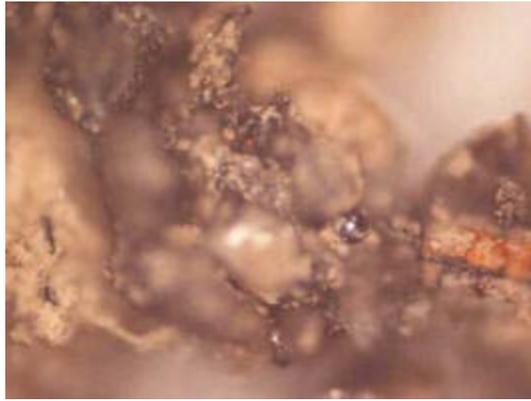
Summary: Metal fluorocarbon mixtures have been recognized since World War II as highly reactive pyrotechnics. Their use as explosives, however, has, until recently, been limited due to the inherently low reaction rates of the metal particles with the fluorocarbon material. Scientists at Los Alamos National Laboratory have discovered that these slow reaction rates can be greatly enhanced by substituting nano-sized aluminum for the conventional micron-sized metal powders, enabling various applications heretofore not possible with metal fluorocarbon mixtures.

**Slide 184:**

Partially Reacted Thermite Found in WTC dust samples



**Slide 185:**



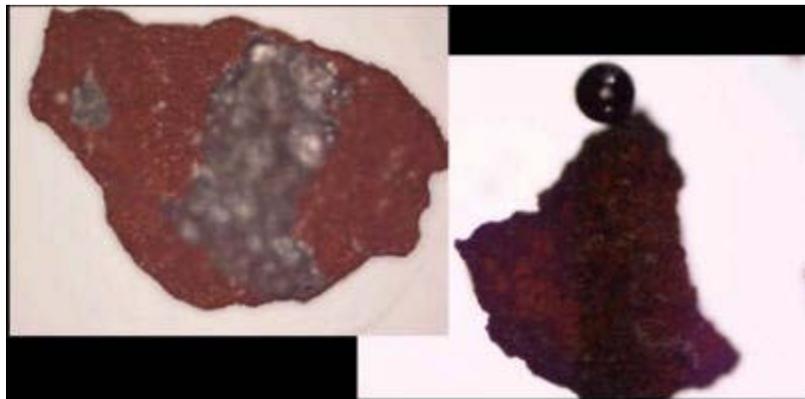
**Slide 186:**



**Slide 187:**

Partially Reacted Thermite Found in WTC dust samples

(Very strong evidence that Super-thermite [red chips] generated the iron-rich spheres)



**Slide 188:**

Published in Peer-Reviewed Journal:

The Open Civil Engineering Journal, Volume 2, ISSN: 1874-1495

"Fourteen Points of Agreement with Official Government Reports on the World Trade Center Destruction"

Authors: Steven E. Jones, Frank M. Legge, Kevin R. Ryan, Anthony F. Szamboti, James R. Gourley

**Slide 189:**

Journal of 9/11 Studies

- A peer-reviewed journal of 9/11 research
- Their mission is to provide evidence-based, peer-reviewed research

60 Letters, 46 Articles

Volume 11 -- May 2007

"Revisiting 9/11/2001 -- Applying the Scientific Method" -- Dr. Steven E. Jones

[www.Journalof911Studies.com](http://www.Journalof911Studies.com)

[www.STJ911.com](http://www.STJ911.com)

**Slide 190:**

Volume 19 -- January 2008

"Extremely high temperatures during the World Trade Center destruction" -- Dr. Steven E. Jones, Dr. Jeffrey Farrer, Dr. Gregory S. Jenkins, Dr. Frank Legge, James Gourley, Kevin Ryan, Daniel Farnsworth, and Dr. Crockett Grabbe

[www.Journalof911Studies.com](http://www.Journalof911Studies.com)

[www.STJ911.com](http://www.STJ911.com)

**Slide 191:**

Volume 12 -- June 2007

"Some Physical Chemistry Aspects of Thermite, Thermate, Iron-Aluminum-Rich Microspheres, the Eutectic, and the Iron-Sulfur System as Applied to the Demise of Three World Trade Center Buildings on 9/11/2001" -- Jerry Lobdill

[www.Journalof911Studies.com](http://www.Journalof911Studies.com)

[www.STJ911.com](http://www.STJ911.com)

**Slide 192:**

EPA Analysis of the WTC dust showed:

- "One molecule was present at levels that dwarfed all others
  - 1,3-diphenylpropane."

**Slide 193:**

## WTC Building 7

### Direct Evidence of Explosive Destruction

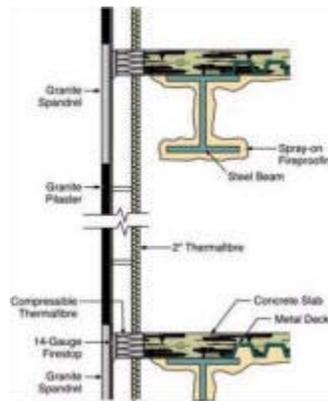
#### Slide 194:

### NO Characteristics of Destruction by Fire

#### Slide 195:

### WTC 7: No Characteristics of Destruction by Fire

New York Times, 29 Nov. 2001: "ENGINEERS ARE BAFFLED OVER THE COLLAPSE OF 7 WTC ..."



- "... Experts said no building like it, a modern, steel-framed high-rise, had ever collapsed because of a fire."

#### Slide 196:

- "... [even though] the fireproofing is intended to withstand ordinary fires for at least two hours, experts said buildings the size of 7 World Trade Center that are treated with such coatings have never collapsed in a fire of any duration."

#### Slide 197:

### Flame-Engulfed Steel-Frame High-Rise Buildings Do Not Collapse



Aug. 1970 -- New York. 50-story building burned for 6 hours over 5 floors.

**Slide 198:**

May, 1988 -- Los Angeles. 62-story building burned for 3.5 hours over 5 floors.

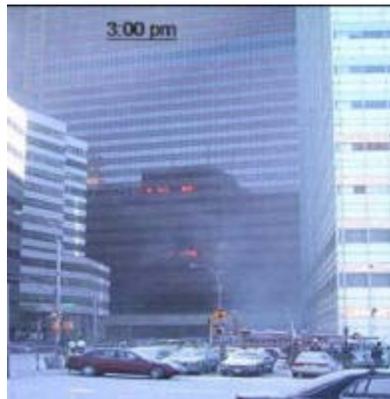
**Slide 199:**

Feb., 1991 -- Philadelphia. 38-story building burned for 18 hours over 8 floors.

**Slide 200:**

Oct., 2004 -- Caracas, Venezuela. 56-story building burned for 17 hours over 26 floors. Slide 201:

Yet Relatively Small, Randomly Placed Fires and lots of Smoke bring down this skyscraper in 6.5 seconds?



**Slide 202:**

FEMA: If the Background Research (previous high-rise fires) doesn't support the FIRE hypothesis: Don't report it!

**Slide 203:**

Data from FEMA & NIST Reports

**Slide 204:**

Government Documentation:

- 2001 American Society of Civil Engineers
  - "Volunteers" -- heavily dependent on federal government contracts (\$10 M annually)
    - 2002 FEMA
      - Only \$600,000 funding
    - Turned ASCE Investigation into an "Assessment"
      - Report Released May 2002
      - 2002 Silverstein / Weidlinger
        - To support insurance claims
        - 2005 NIST
    - (National Institute of Standards & Technology)
      - Part of the executive branch
      - 3 years, \$20 M funding
    - WTC 7 report still pending (after 6 years!)

**Slide 205:**

	OKC	DOD or BMSP	FEMA WTC or Pent.	Weidlinger or Column	NIST	Popular Mechanics
Gene Corley	X	X	X	X	X	X
Thornton- Tomasetti	X	X	X	X	X	X
Levy / Weidlinger	X	X	X	X	X	X
Mete Sozen	X	X	X			X
Greenhorne & O'Mara	X	X	X		X	
ARUP		X	X	X	X	
Paul Mlakar	X		X			X
Hughes Associates			X	X	X	
William Baker / SOM			X		X	X
Jon Magnusson			X		X	X
Ryan Biggs			X		X	X
SGH		X	X		X	
Mark Loizeaux	X	X	X			X

Looking for Truth in Credentials: The WTC "Experts," by KEVIN RYAN, March 8, 2007

**Slide 206:**

FEMA Discusses Mysterious Sulfidation and Oxidation Seen on Some WTC7 Steel. No mention in NIST report!!!

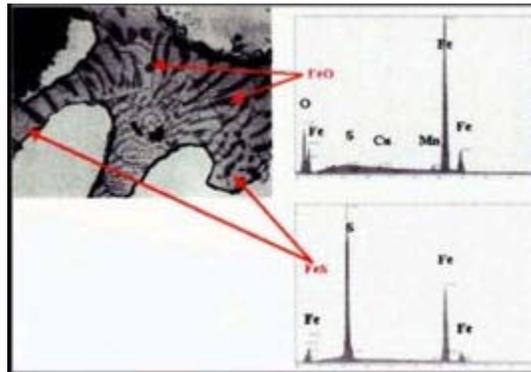
- "Evidence of a severe high temperature corrosion attack on the steel, including rapid oxidation and sulfidation with subsequent intergranular melting, was readily visible in the near-surface microstructure."

**Slide 207:**

- "A liquid eutectic mixture containing primarily iron, oxygen, and sulfur formed during this hot corrosion attack on the steel.... No clear explanation for the source of the sulfur has been identified."

**Slide 208:**

- "Perhaps the deepest mystery uncovered in the investigation." -- NY Times. Yet ignored by NIST.
  - Sulfur is used with thermite to cut fast through steel!



Upper analysis shows region containing iron and iron oxide and no sulfur (iron sulfide).

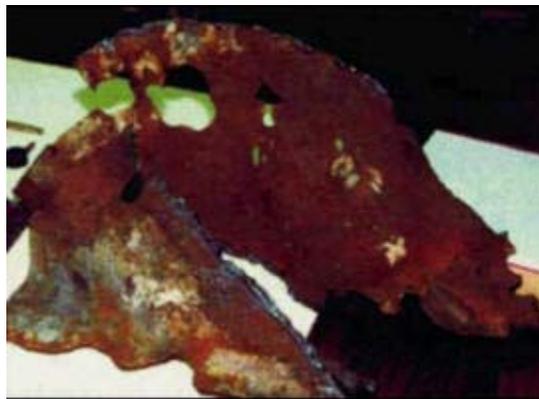
The lower analysis shows a different region with the presence of sulfur (iron sulfide), indicating a possible demolition (thermite) charge designed to melt steel.

**Slide 209:**

WTC Steel -- Forensic Metallurgy

- The results of the examination are striking. They reveal a phenomenon never before observed in building fires: eutectic reactions, which caused "intergranular melting capable of turning a solid steel girder into Swiss cheese."

Steel or Swiss Cheese?



Structural Steel from WTC Building 7

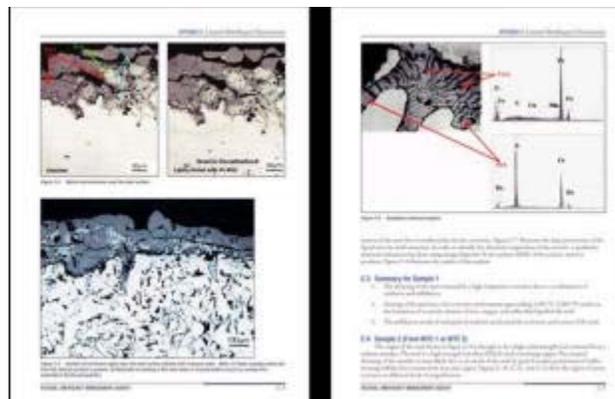
**Slide 211:**

FEMA Appendix C to BPAT Report



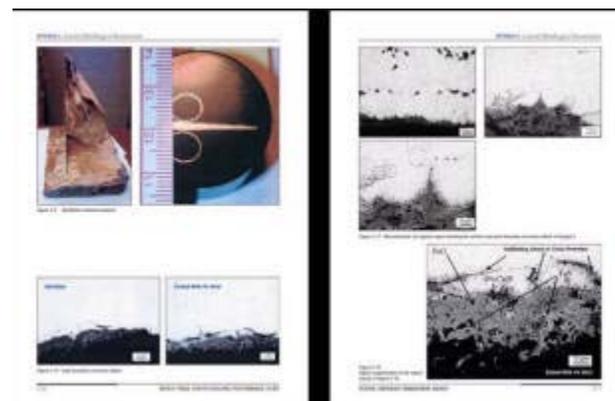
Limited Metallurgical Examination

**Slide 212**



[http://wtc.nist.gov/media/AppendixC-fema403\\_apc.pdf](http://wtc.nist.gov/media/AppendixC-fema403_apc.pdf)

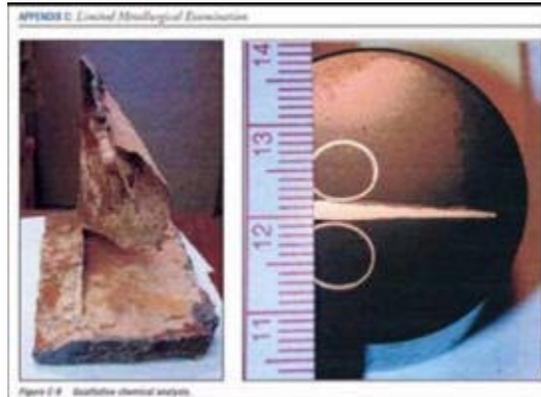
**Slide 213:**



**Slide 214:**

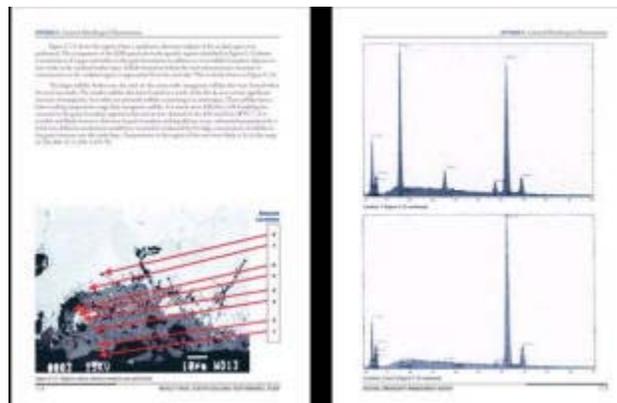
## FEMA Appendix C - WTC 7 Steel

A one-inch column has been reduced to half-inch thickness. Its edges -- which are curled like a paper scroll -- have been thinned to almost razor sharpness.

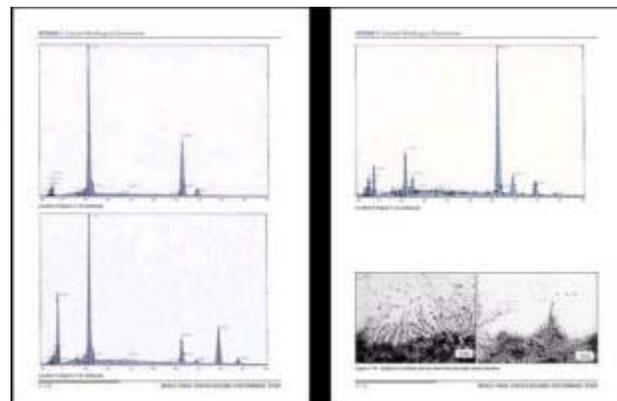


Gaping holes -- some larger than a silver dollar -- let light shine through a formerly solid steel flange. This Swiss cheese appearance shocked all of the fire-wise professors, who expected to see distortion and bending -- but not holes.

### Slide 215:



### Slide 216:



### Slide 217:

NIST's Scientific Method:

NIST: If the Data (FEMA's Appendix C) doesn't support the FIRE Hypothesis: Hide it!

**Slide 218:**

FEMA Suggests WTC 7 "Implosion"

Official FEMA report states: "The collapse of WTC7 had a small debris field as the facade was pulled downward, suggesting an internal failure and implosion."



**Slide 219:**

FEMA Casts Doubt on Their Own "Fire-Collapse" Theory

FEMA report [May 2002] authors conclude:

- "The specifics of the fires in WTC 7 and how they caused the building to collapse remain unknown at this time."

**Slide 220:**

- "... the best hypothesis [fire + random damage -- then complete collapse] has only a low probability of occurrence."

**Slide 221:**

NIST's Scientific Method:

FEMA: If the CONCLUSION doesn't support the FIRE hypothesis: Punt!

**Slide 222:**

FEMA Casts Doubt on Their Own "Fire-Collapse" Theory and Orders Destruction of the Evidence

- "Further research, investigation, and analyses are needed to resolve this issue."

**Slide 223:**

- Unfortunately for investigators hoping to resolve this issue, much of the evidence has already been destroyed -- by FEMA!

**Slide 224:**

Forensic Fire Protection Engineer, Jonathan Barnett / FEMA: "Unable to [Properly Examine the Evidence]."



**Slide 225:**

"When you have a structural failure, you carefully go through the debris field looking at each item, photographing every beam as it collapsed, and every column where it is in the ground. And you pick them up very carefully, and you look at each element. We were unable to do that in the case of Tower 7."

**Slide 226:**

FEMA's Destruction of Evidence

Very little effort was made to preserve the evidence of the unprecedented and unexplained collapses of skyscrapers WTC 1, WTC 2, and Building 7 in lower Manhattan -- easily the three largest and least understood structural failures in World history. Indeed, the evidence was destroyed with remarkable speed and efficiency. The destruction of evidence at a crime scene is illegal.

**Slide 227:**

Up to 800 trucks per day removed all but about 250 pieces of steel from the crime scene, effectively scrubbing it.

**Slide 228:**

Building-fire Expert and Editor-in-chief of 125-year-old "Fire Engineering Magazine" Demands Stop to "Destruction of Evidence"

- "... Structural steel from the World Trade Center has been, and continues to be. cut up and sold for scrap. Crucial evidence that could answer many questions ... is on the slow boat to China, perhaps never to be seen again in America until you buy your next car."

**Slide 229:**

- "Such destruction of evidence shows the astounding ignorance of government officials to the value of a thorough, scientific investigation ... I have combed through our national standard for fire investigation, NFPA 921, but nowhere in it does one find an exemption allowing the destruction of evidence for buildings over 10 stories tall. To treat the September 11 incident any differently would be the height of stupidity and ignorance."

**Slide 230:**

- "The destruction and removal of evidence must stop immediately."

-- Editorial by Bill Manning, Fire Engineering

**Slide 231:**

- "The federal government must scrap the current setup, and commission a fully resourced blue ribbon panel to conduct a clean and thorough investigation of the fire and collapse, leaving no stones unturned."

**Slide 232:**

NIST's Scientific Method:

FEMA: If the evidence (steel) contradicts the FIRE hypothesis: Destroy it!

**Slide 233:**

9-11 Commission Report Completely Ignores WTC 7

- The 9-11 Commission claims to give "the fullest possible account of the events surrounding 9/11."

**Slide 234:**

- However, without explanation, the 9-11 Commission Report completely ignores the catastrophic collapse of WTC 7.

**Slide 235:**

Is this one of the reasons that former 9/11 Commissioner, Senator Max Cleland, resigned from the Commission stating:



- "It is a national scandal."
- "This investigation is now compromised."

**Slide 236:**

9/11 Commission's Scientific Method:

9/11 Commission: If the Question can't be answered the way you want it to be then: Don't even ask it! (about WTC7)

**Slide 237:**



Was NFPA 921: Guide for Fire and Explosion Investigations used?

"... Conflict of interest should be avoided ..."

Applied Research Associates: a major Defense Contractor



Slide 246:



Slide 247:

NIST Report Contributing Author:

SAIC: Science Applications International Corporation

We are a leading provider of scientific, engineering, systems integration and technical services and products to all branches of the U.S. military, agencies of the U.S. Department of Defense (DoD), the Intelligence community, the U.S. Department of Homeland Security (DHS) and other U.S. Government civil agencies.



**Slide 248:**

Testimony of First Responders

Whistle Blowers

**Slide 250:**

Expert Corroboration

**Slide 251:**

Expert Corroboration: Top European Controlled Demolitions Expert Confirms WTC 7 is Controlled Demolition

- 27 year controlled demolitions expert Danny Jowenko:

**Slide 252:**

- " ... It starts from below ... They have simply blown away columns ..."

**Slide 253:**

- "This is controlled demolition ..."

**Slide 254:**

- "A team of experts did this ..."

**Slide 255:**

- "This is professional work, without any doubt."

**Slide 256:**

Professor Emeritus of Structural Analysis Confirms WTC7 is Controlled Demolition



- Hugo Bachmann, Ph.D., Professor Emeritus and former Chairman of the Department of Structural Dynamics and Earthquake Engineering, Swiss Federal Institute of Technology.

**Slide 257:**

- "In my opinion, the building WTC7 was, with great probability, professionally demolished." -- Tages Anzeiger Article, 9/9/06

**Slides 258 & 259:**

CA Structural Engineer: Patterned Loss of Columns Required



"A localized failure in a steel-framed building like WTC 7 cannot cause a catastrophic collapse like a house of cards without a simultaneous and patterned loss of several of its columns at key locations within the building." -  
- Kamal Obeid, Structural Engineer, Lic. 2826, MSCE, UC Berkeley

**Slide 260:**

Forensic Fire Protection Engineer Jonathan Barnett, FPE "Surprised that Tower 7 Collapsed."

**Slide 261:**

"We were surprised that Tower 7 collapsed. We being the team that investigated what occurred on that day. There was some damage to Tower 7 caused by the debris that hit it by Tower 1, but the damage was certainly not similar in scope or magnitude to that caused by the aircrafts hitting Towers 1 and 2."

**Slide 262:**

## Foreknowledge of Destruction

### Slide 263:

Foreknowledge: Dep. Fire Chief announces imminent Collapse

WTC: This is Their Story From the August 2002 Firehouse Magazine

- FDNY Deputy Chief Nick Visconti, Division 14, 34-year veteran
- Visconti: "I was in my car. I was listening to the traffic reports because I was going to Queens. I was doing primary work for the UFOA (Uniformed Fire Officers Association) ... I walked out and I got to Vesey and West, where I reported to Frank. **He said, 'We're moving the command post over this way, that building's coming down.'** I remember standing just where West and Vesey ... a couple of guys right at the intersection, and we were trying to back them up, and here goes 7. It started to come down and now people were starting to run."

### Slide 264:

- Never in history has a protected steel frame building collapsed due to fire.
- But all of a sudden they announce the imminent collapse of this 47-story skyscraper?

### Slides 265, 266 & 267:

Indira Singh Interview, April, 2005

- [Indira Singh]: "I was on the out[side] of my building, technically, and I went back and I changed into my EMT clothes ... **By noon or one o'clock, they told us we had to move from that triage site, up to Pace University a little further away, because Building 7 was going to come down, or being brought down.**"
- BF: "Did they actually use the words 'brought down,' and who was it that was telling you this?"
- [Indira Singh]: "The Fire Department. The Fire Department. And they did use the word[s], 'we're gonna have to bring it down.' And, for us, there, observing the nature of the devastation, it made total sense to us that this was indeed a possibility."

From a transcript of Part One of Bonnie Faulkner's interview with Indira Singh on the Guns and Butter radio program, April 27, 2005, KPFA in Berkeley.

### Slide 268:

Foreknowledge: Warnings of Explosions and Bldg. #7 Collapse, by Police and Construction Workers

- **"Keep your eye on that building ... it's about to come down."**
- **"The building is about to blow up ... flame and debris coming down."**

### Slide 269:



**Slide 270:**

Same as Slide 268.

**Slides 271, 272 & 273:**

Foreknowledge: Eyewitness to WTC 7 Countdown (Do Fires Collapse Bldgs. to Countdowns?)

Kevin McPadden, Former Air Force Special Operations for Search and Rescue

Same as Slides 85 & 86.

**Slide 274:**

BBC Announces WTC 7 Collapse "Due to Structural Weakening" 20 Minutes Before It Happened!

- BBC apologizes, citing confusion.
  - Who was their source?
- (Remember: Never before in history had a high-rise bldg. collapsed due to fire!)

**Slide 275:**

WTC7 Collapsed? It's only 5:07 p.m. EST

BBC WORLD NEWS UPDATE: TERRORISM ATTACKS IN U.S. World Trade Centre destroyed by hijacked planes. Pentagon hit and burning. 4:57 p.m. EST, 23 minutes before Building 7 collapsed at 5:20 p.m.

[Gavin Estler] Now, more on the latest building collapse in New York. You might have heard a few moments ago I was talking about the Salomon building collapsing. And indeed it has. Apparently, that's only a few hundred yards away from where the World Trade Center Towers were. And it seems that this was not a result of a new attack, it was because the building had been weakened during this morning's attacks. We'll probably find out more about that now from our correspondent Jane Standley. Jane, what more can you tell us about the Salomon building and its collapse.

[Jane Standley] Well, only really what you already know. Details are very, very sketchy. There's almost a sense downtown in New York, behind me, down by the World Trade Centers, of just an area completely closed off as the rescue workers try to do their job. But this isn't the first building that has suffered as a result. We know that part of the Marriott Hotel next to the World Trade Center also collapsed as a result of this huge amount of falling debris from 110 floors of the two twin towers of the World Trade Center. As you can see behind me, the Trade Center appears to be still burning. We see these huge clouds of smoke and ash, and we know that behind that is an empty piece of what was a very familiar New York skyline, a symbol of the financial prosperity of this city, but completely disappeared now and New York is still unable to take on board what has happened to them today.

[Gavin Estler] Presumably there were very few people in the Salomon building when it collapsed. I mean, there were, I suppose, fears of possible further collapses around the area.

[Jane Standley] That's what you would hope because this whole downtown area behind me has been completely sealed off and evacuated apart from the emergency workers. That was done by the Mayor Rudy Giuliani much earlier today because, of course, of the dreadful collapse of the twin towers of the World Trade Center. But New York is very much still a city in chaos. The phones are not working properly, the subway lines are not working properly, and we know that down there, near the World Trade Center, there are three schools that are being turned into triage centers for emergency treatment. I know that over in New York Harbor where the famous Statue of Liberty is there is a field hospital where 1,500 people are being treated and we have heard, though it's unconfirmed as yet, that 100 New York City police officers have been taken there as well for treatment. But we do need to confirm those figures for the officers.

[Gavin Estler] It's now, what, some eight hours since the attacks. Is there any estimate yet available of the number of casualties in the World Trade Center?

[Jane Standley] I think we can only go at this point with the words expressed by the Mayor of New York, Rudy Giuliani, that it's too frightening to think how many there could be. We know that it's about almost 300 people on the airliners that were used in these attacks, but you've got to remember, this was 9:00 in the morning on a Tuesday morning. It's busy in downtown Manhattan in the financial district then. The World Trade Center itself has 50,000 workers. There are tens of thousands of tourists that go there every day. The figures are almost too frightening to contemplate. You can understand why nobody yet wants to put a figure on them.

[Gavin Estler] Listening to the Mayor, Rudy Giuliani, a bit earlier, one of his messages was business as usual. You know, we won't let this get us down. But presumably a lot of Manhattan people must have fled the city to Long Island to get away from possible further attacks?

[Jane Standley] Well, a lot of people were certainly trying to. But you remember that very early on all the bridges and tunnels to the city as well as the airports were closed. New York was sealed, essentially. Now we do know that the Long Island Railroad has begun running again to get people out of the city if they can, and people who can't manage to get out and perhaps live in that area, they are being offered accommodation in empty school buildings. But certainly I saw earlier today huge crowds of people desperately trying to walk up upper Manhattan to get as far away as possible. And I think nobody really knows how to go, or where to go, and you have to remember even now I don't think people, it can sink in to people what's happened.

[Gavin Estler] We haven't, for the last hour or so, heard much from the people of Manhattan. You're with them there. What are they saying tonight after this catastrophic attack?

[Jane Standley] As I said, many just cannot believe that this has happened, and I've seen, you know, big, burly men and women with tears in their eyes today, shaking their heads, wondering what on earth is going on. There was a sense of panic, reports from the scene of people just absolutely horrified, and I've already seen some photographs that a man took down in the downtown area and it looks like the aftermath of a huge atom bomb, or something full of debris and like a white carpeting of snow from all the dust and rubbish that had fallen. I don't think people can comprehend. They certainly have lost any feeling of safety. There's still a great pride in the city, people are determined to fight back, but a great sense of shock and loss. People keep looking at the sky, for example, where you can see the plume of smoke and say, when that's gone, it won't be there anymore. Our twin towers won't be there. Such a symbol of New York.

[Gavin Estler] Are they talking yet about revenge and what the government should do to counter this threat or are they numb still?

[Jane Standley] I think people are still numb and I don't think people are talking about revenge in that way at all yet. I think people are still too traumatized. We don't know how many people have been killed. We can't even put a figure, I think when you talk to people on they don't even say how many people might have been killed and injured. And I think that feeling of the \_\_\_ of the devastation, people don't really know what to say or what to think. I think they feel the bubble of their security being in America has definitely been popped. This city in this country will not be the same. But they don't really know where turn. That's the very sad thing. I think there's going to be a lot of very, very traumatized people. This has hit them very, very hard.

[Gavin Estler] I think many of us, when we heard the news perhaps on the radio earlier today were completely flabbergasted by it and just couldn't comprehend it.

I mean, it almost sounded too far fetched. I was wondering what it felt like for you being in Manhattan ... Well, unfortunately, I think we've lost the line with Jane Standley in Manhattan. Perhaps we can rejoin her and follow that up later.

### Slide 276:

BBC Announces WTC7 "Collapse 20 Minutes Before it Happened!"



- Who gave BBC the 9/11 script?
- BBC apologized for this "mistake"

### Slide 277:

CNN Announces Collapse of "50 Story Building" at 10:45 a.m.

- This story appears to be another "plant."
  - You will have to decide for yourself.
- A 10:45 a.m. "collapse" would have been hidden by the North Tower Dust Cloud!

**Slide 278:**

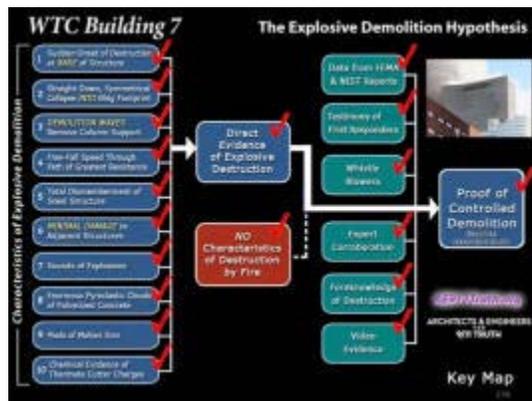
BREAKING NEWS: AMERICA UNDER ATTACK. CNN LIVE 11:07a ET

"In New York, Allan Dodds Frank joins us on the phone in lower Manhattan. Alan:"



[Allan Dodds Frank] "Just two or three minutes ago, there was yet another collapse or explosion. I'm now out of sight. A good samaritan has taken me in on \_\_\_ Street. But at a quarter to 11 there was another collapse or explosion following the 10:30 collapse of the second tower. And a firefighter that rushed by estimated that 50 stories went down. The street filled with smoke. It was like a forest fire roaring down a canyon. Now, as \_\_\_ and others have told you, all downtown Manhattan is covered with thick white ash and building material."

**Slide 279:**



Slides 280, 281, 282, 283, 284, 285, & 286:

**WTC 7 -- Highly Secure Building**

**Tenant List**

- CIA's undercover New York station
- Secret Service NYC Headquarters
  - IRS
  - Department of Defense

- **NYC Mayor Giuliani's Office of Emergency Management**
  - **Securities and Exchange Commission**

**Slide 287:**

Could Al Qaeda have gained sufficient access to this building to set explosives?

Did they have the extraordinary engineering expertise needed to bring down a 47-story steel skyscraper straight down at almost free-fall speed?

**Slides 288, 289, 290, 291, 292 & 293:**

**WTC 7: Disturbing Implications**

**If Building 7 was a controlled demolition, and since the necessary resources and months of planning, execution and planting of explosives requires a conspiracy, and the building was demolished on 9/11, then, it is a reasonable assumption that WTC 7 must have been a part of the overall conspiracy of 9/11. And since we've already shown that Al Qaeda didn't have access to this highly secure building, the conspirators must have been someone who did have such access.**

**Slide 294:**

World Trade Center Twin Towers

**Slide 295:**

"Crowning Achievement" of the International Style or "Heartless Modernism?"

"John Skilling's (with aide Leslie Robertson) structural engineering innovations helped architect Minoru Yamasaki preserve the simple sculptural purity of his building's forms."



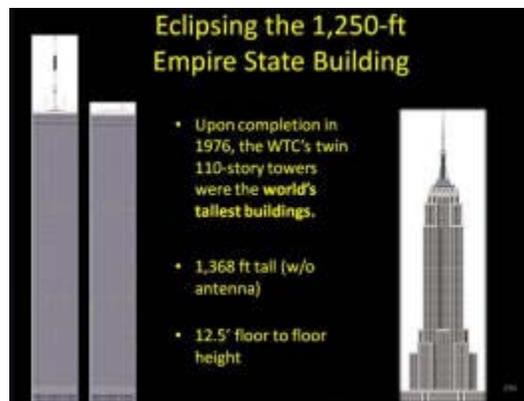


"Gigantic dumbness!" -- Architect, Robert Stern, FAIA

**Slide 296:**

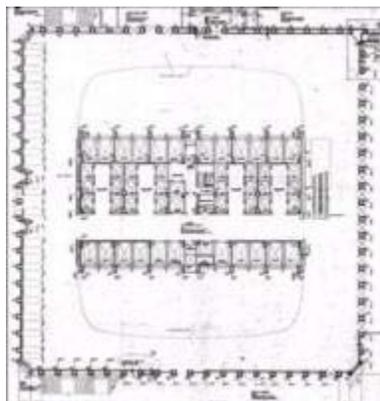
Eclipsing the 1,250-ft. Empire State Building

- Upon completion in 1976, the WTC's twin 110-story towers were the world's tallest buildings.
  - 1,368 ft. tall (w/o antenna)
  - 12.5' floor to floor height



**Slide 297:**

Structural Innovations Allowed the Open Floor Plan



- $208' \times 208' = 43,000$  s.f. per floor
  - Each tower had 3.8M s.f.

- 11.2 M total s.f. for the 8 building complex
  - Largest floor span: 60'
  - Core: 135' x 87'

**In July of 1971, the American Society of Civil Engineers presented a National Award judging the buildings to be "the engineering project that demonstrates the greatest engineering skills, and represents the greatest contribution to engineering progress and mankind ..."**

**Slide 298:**

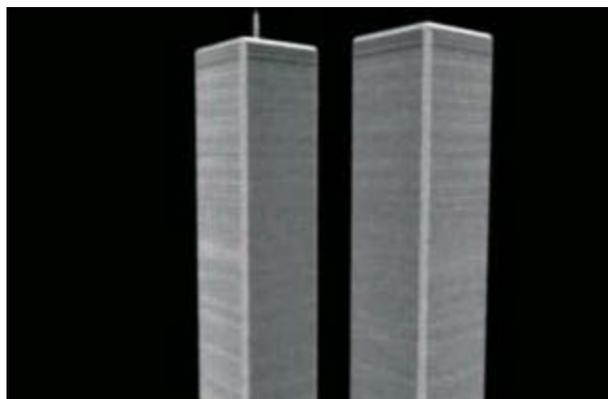
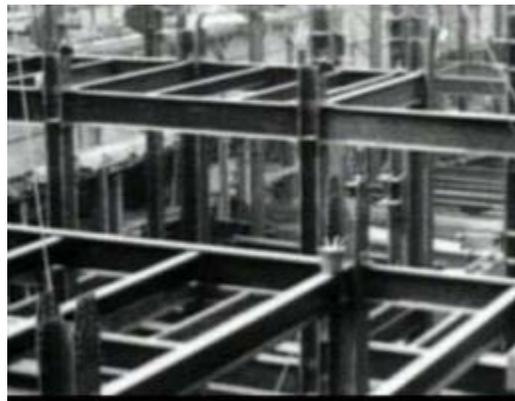
WTC -- Structural Concept

Departs from the High-Rise Tradition of the Dense Grid of Steel

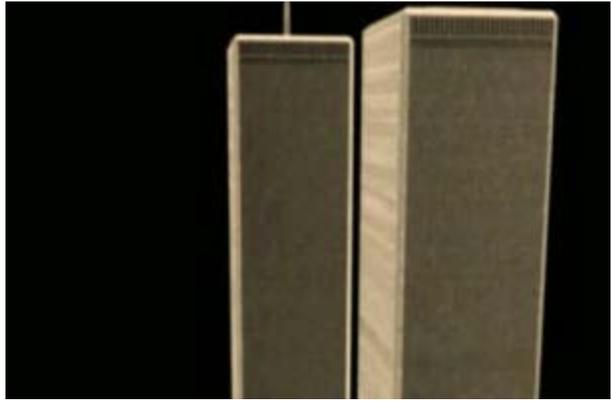
- The Twin Towers were built as a "Tube Structure" with a very strong dense "mesh" of steel surrounding the exterior and acting as a "bearing wall", and to resist the lateral loads (EQ & wind).
- Inside was the "Core", a dense grid of 47 immense steel box columns 4" thick at the base and 2" thick at mid-Tower.
- Pre-fabricated floor assemblies (22 GA steel deck over 29" deep steel web joists) were topped with 4" steel reinforced concrete.
  - Most of these were completely pulverized on 9/11, not stacked up on the ground below.
- Trusses were welded & bolted to beams at core, and spandrels at perimeter bearing wall.

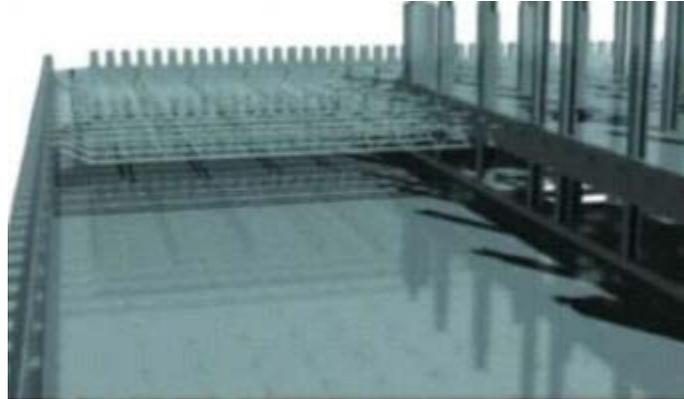
Most High-rises up to this time were built on a dense grid of steel or concrete frames all the way through the building.

**Slide 299:**







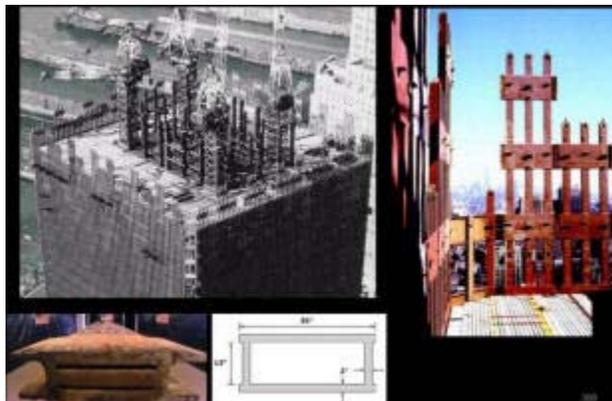


Film Documentary, "Building the World Trade Center," directed by Pilowski and Winestine, 1970

**Slide 300:**

The WTC Twin Towers Were Solidly Constructed

47 Massive Steel Core Columns and 240 Steel Perimeter Columns



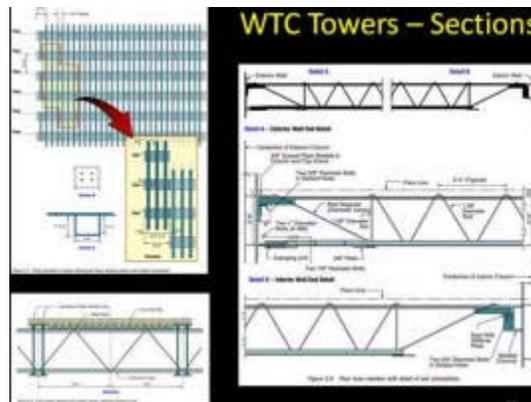
**Slide 301:**



- Steel-frame: 100,000 Ton Heat Sink
- Not a "Hollow Steel Shaft" (9-11 Commission)

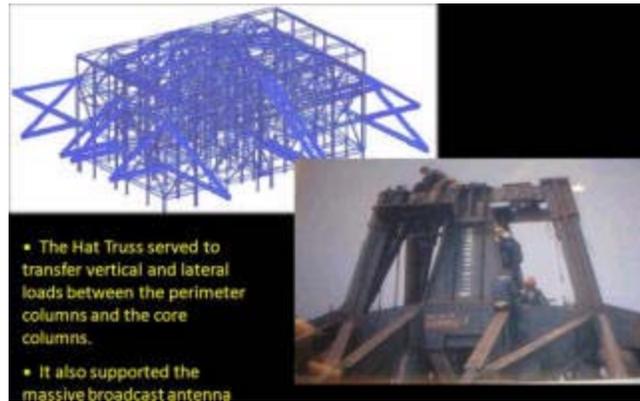
Slide 302:

WTC Towers -- Sections



Slide 303:

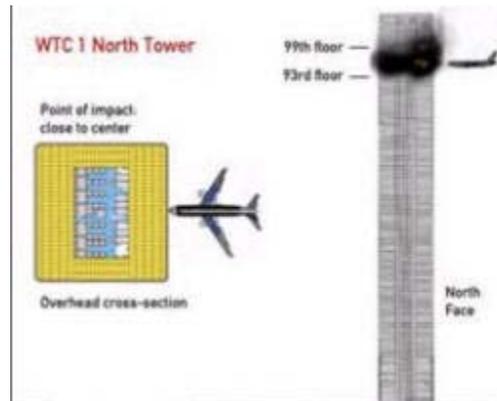
The "Hat Truss"



- The Hat Truss served to transfer vertical and lateral loads between the perimeter columns and the core columns.
  - It also supported the massive broadcast antenna

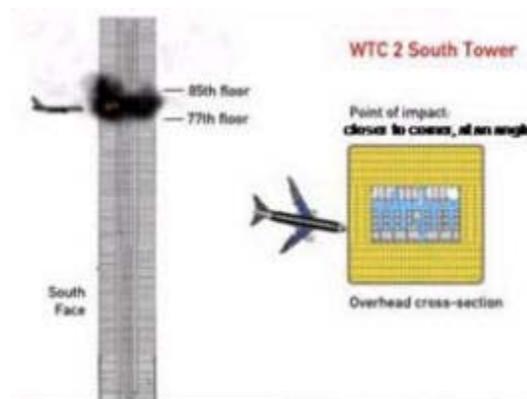
**Slide 304:**

Jetliners Impact Twin Towers



- North Tower was hit at 8:46 a.m. Collapses 102 minutes later (American Airlines Flight #11)

Slide 305:



- South Tower was hit at 9:03 a.m. Collapses 56 minutes later. (United Flight #175)

**Slide 306:**

WTC Structural Imperative: Jet Airliner-Proof

from the DVD: "9/11 Mysteries"

**Slide 307:**



"John Skilling and Les Robertson were the structural engineers who designed the streamlined steel frames of the Twin Towers in the 1960's.



Because a wayward army bomber flew into the Empire State Building in 1945, the towers were built with skyscraper crashes in mind."



[Leslie E. Robertson, Structural Engineer] "We had designed the project for the impact of the largest airplane of its time ...



the Boeing 707.



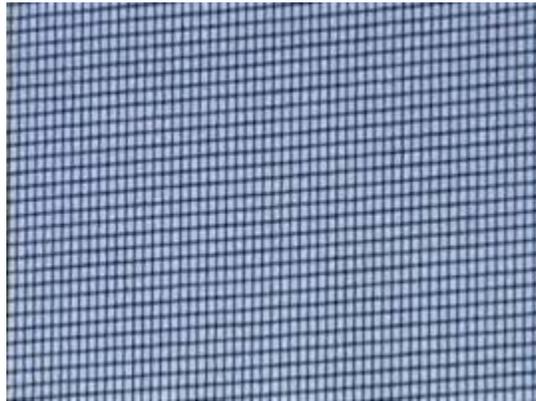
That is, to take this jet airplane, run it into the building, destroy a lot of structure, and still have it stand up."



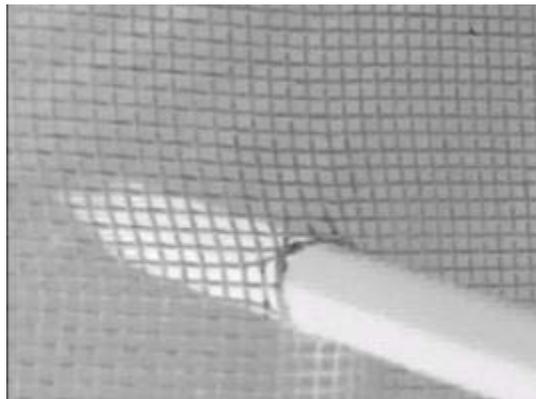
[Frank A. DeMartini, Manager, WTC Construction & Project Management] "The building was designed to have a fully loaded 707 crash into it. That was the largest plane at the time.



I believe that the building probably could sustain multiple impacts of jetliners, because this structure is like the mosquito netting on your screen door.



This intense grid. And the jet plane is just a pencil puncturing that screen netting.



It really does nothing to the screen netting."



[Leslie E. Robertson, Structural Engineer] "To the best of my knowledge, the considerations of the fuel in the airplane in terms of an explosion or a great fire, was not considered. Now, we were not responsible for that aspect of the design."

Imagine, building expressly for airplane impact, but never thinking of the fuel.

### Slides 308, 309 & 310:

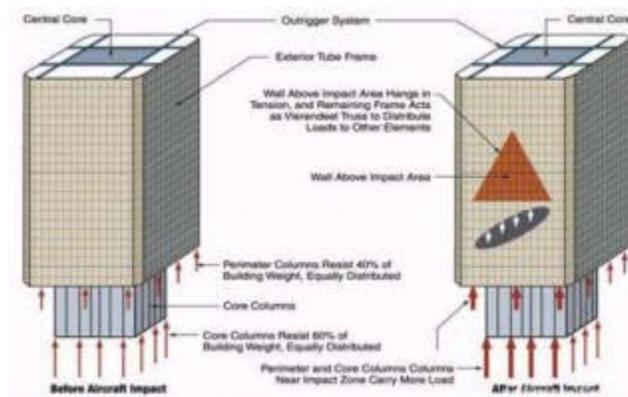
#### WTC Engineer Planned for Jet Impacts

- Towers designed by John Skilling.
- Skilling noted that he "designed the WTC Tower to take a hit from a Boeing 707 traveling 600 mph."
  - **Asked in 1993 if he had considered plane crashes in his design:**
    - **"Our Analysis indicated the biggest problem would be the fact that all the fuel would dump into the building. [But] the building structure would still be there." -- City in the Sky, Glanz and Lipton**

### Slide 311:

#### WTC Structure "Compensates" After Airliner Impact

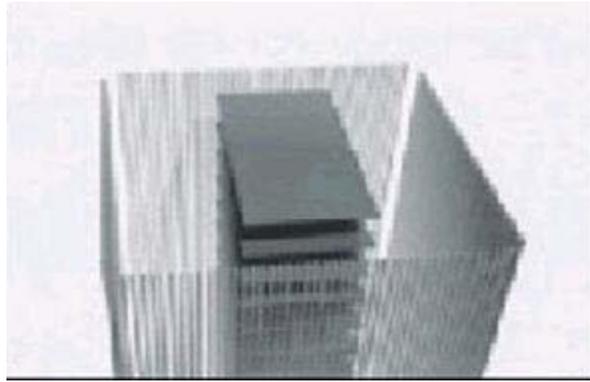
"The robustness of the perimeter frame-tube system and the large size of the buildings helped the towers withstand the impact. The structural system redistributed loads without collapsing in places of aircraft impact ..." -- NIST



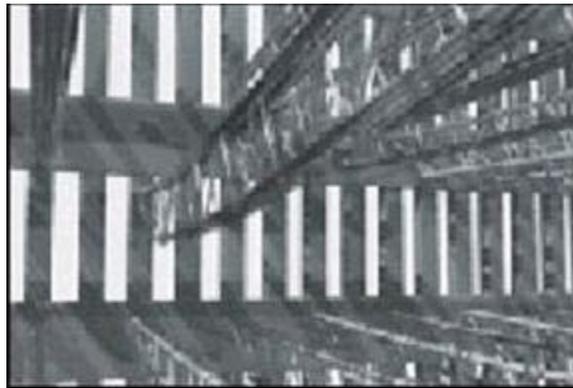
- "The towers withstood the initial impact of the aircraft ... the buildings had more than 1,000 times the mass of the aircraft ... this ability to withstand the initial impact is hardly surprising." -- Eager and Musso, JOM, 53(12)(2001), pp. 8-11

**Slide 312:**

**Deceptive Illustrations from PBS Nova -- "Why the Towers Fell"**



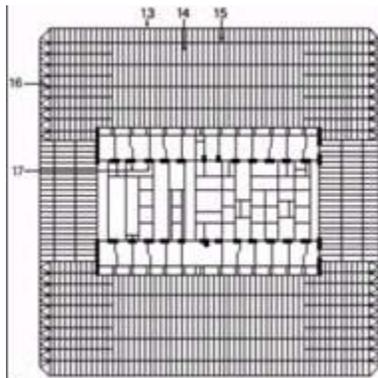
**This model is typical of the deceptive illustrations misrepresenting the structural core of the building to look like mysterious floating horizontal slabs -- no core columns shown!**



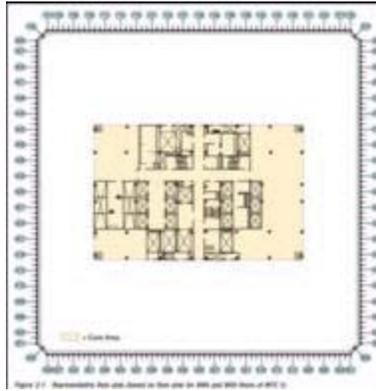
**This model is from an animated sequence of falling floor trusses -- also very misleading. Missing are both the perpendicular cross trusses that would prevent this behavior, as well as the concrete filled steel floor decking. The floor pan also serves to interconnect the trusses and provide stiffness and strength to the entire floor system.**

**Slide 313:**

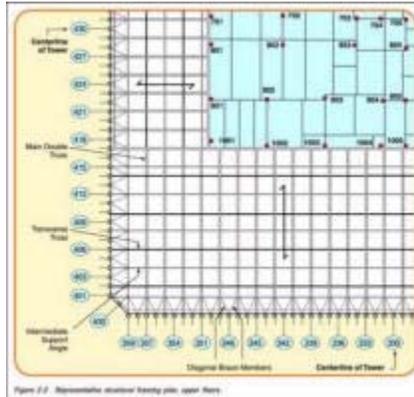
**WTC Towers -- Floor Plans**



**A correct Floor Plan**



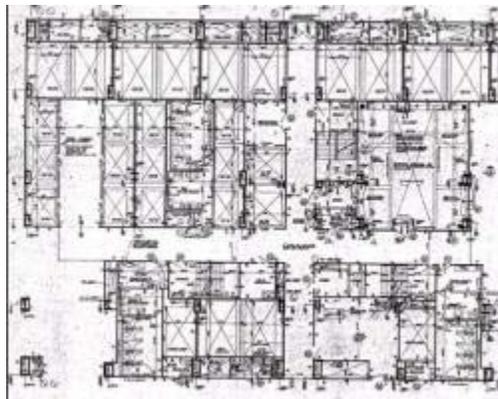
FEMA Floor Plan



FEMA Floor Plan

**Slide 314:**

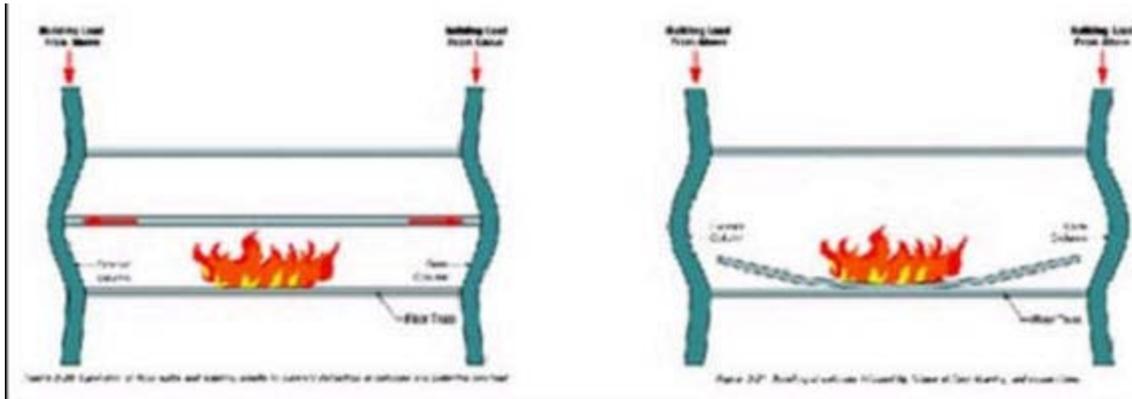
Actual WTC-1 Core Floor Plan -- 66th Floor



The Construction Documents (Blueprints) have recently been leaked into the public domain thanks to an anonymous source. (Download them at [AE911Truth.org](http://AE911Truth.org))

**Slide 315:**

From the FEMA Report -- Pancake Theory



- **Misleading diagrams made it look to non-technical readers as though there were no central structural core at all.**
  - **Quite easy to imagine this building collapsing!**
- **FEMA's "Pancaking" Theory states that the trusses sagged and broke free from their connection to the perimeter columns causing column "buckling".**

**Slide 316:**

NIST: "Column Failure" Theory

Nova -- "Building on Ground Zero"



**Slides 317, 318 & 319:**

The Explosive Demolition Hypothesis

1. Sudden Onset of Destruction at Location of JET IMPACTS

7. Sounds & FLASHES Produced by Explosions

**Slide 320:**

Originally on the order of City Fire Commissioner Thomas Von Essen "to preserve those accounts before they became reshaped by a collective memory."

**Slide 321:**

Total of 12,000 pages of testimony by 503 FDNY Firefighters, emergency medical technicians, collected October 2001 to January, 2002.

**Slide 322:**

Court-ordered Aug. 2005 release of the FDNY "Oral Histories."

**Slide 323:**

More than 118 Firefighters Witness Sounds and Flashes of Explosions.

**Slides 324 & 325:**

- **"We felt the ground shake. You could see the towers sway, and then it just came down. And I never looked back once I started running." -- Lonnie Penn, E.M.T. (E.M.S.)**
- **"... all of a sudden the ground just started shaking. It felt like a train was running under my feet ... The next thing we know, we look up and the tower is collapsing." -- Paul Curran, Firefighter (F.D.N.Y.)**

**Slides 326 & 327:**

The Ground Shake Preceding the Collapse of WTC 2

- **"It actually shook my bones." -- Louis Cook, Paramedic (E.M.S.)**
- **"Shortly before the first tower came down, I remember feeling the ground shaking. I heard a terrible noise, and then debris just started flying everywhere. People started running ..." -- Bradley Mann, Lieutenant (E.M.S.)**

**Slide 328:**

More Firefighters Witness Flashes and Explosions

- **"Somewhere around the middle of the World Trade Center, there was this orange and red flash coming out. Initially, it was just one flash. Then this flash just kept popping all the way around the building, and that building had started to explode."**

**Slide 329:**

(from the court-ordered release of the "Oral Histories")

- **"We were there I don't know, maybe 10, 15 minutes, and then I just remember there was an explosion ... It seemed like on television they blow up these buildings. It seemed like it was going all the way around like a belt, all these explosions." -- Rich Banaciski, Firefighter, FDNY**

**Slide 330:**

- **"... At first I thought it was -- do you ever see professional demolition where they set the charges on certain floors and then you hear Pop, pop, pop, pop, pop? ... When I heard that frigging noise ... that's when I saw the building coming down." -- Daniel Rivera, EMS Paramedic**

**Slides 331 & 332:**

- **One eyewitness whose office is near the World Trade Center told AFP that he was standing among a crowd of people on Church Street, about two-and-a-half blocks from the South tower, when he saw "a number of brief light sources being omitted from inside the building between floors 10 and 15." He saw about six of these brief flashes, accompanied by "a crackling sound" before the tower collapsed.**
- **"When I looked in the direction of the Trade Center before it came down, before No. 2 came down ... I saw low-level flashes."**

**Slide 333:**

- **As we are looking up at the building, what I saw was, it looked like the building was blowing out on all four sides. We actually heard the pops. You know, you heard the pops of the building ... " -  
- Joseph Meola, Firefighter (F.D.N.Y.)**

**Slide 334:**

- **"The popping sound, and with each popping sound it was initially an orange and then a red flash came out of the building. And then it would just go all around the building on both sides as far as I could see. These popping sounds and the explosions were getting bigger, going both up and down and then all around the building." -- Karin Deshore, Captain (E.M.S.)**

**Slide 335:**

Lieutenant Evangelista, never mentioning this to him, he questioned me and asked me if I saw low-level flashes in front of the building, and I agreed with him because I thought -- at that time I didn't know what it was. I mean, it could have been as a result of the building collapsing, things exploding, but I saw a flash flash flash and then it looked like the building came down."

**Slide 336:**

- **"... I thought the terrorists planted explosives somewhere in the building. That's how loud it was, crackling explosive ..."**

**Slide 337:**

EXPLOSIONS RECORDED AT FDNY POST -- Late Morning

**Slide 338:**

"Yeah, here's one of the guys, he can tell you I'm okay, alright. Here, hold on."

"You want to call your mother or something."



**KA BLAM!!!**



**Slides 339, 340, 341 & 342:**

**EXPLOSIVE TESTIMONY**

Firefighters report blasts at WTC Towers just before collapses:

- **WTC 1: "Suddenly there was another loud boom at the upper floors, then there was a series of smaller explosions which appeared to go completely around the building at the upper floors. And another loud earth-shattering blast with a large fire ball which blew out more debris ..." -- Det. Thomas M. Inman**
- **WTC 2: "When I looked in the direction of the Trade Center before it came down, before No. 2 came down, I saw low-level flashes. In my conversation with Lieutenant Evangelista, never mentioning this to him, he questioned me and asked me if I saw low-level flashes in front of the building, and I agreed with him because I thought -- at that time I didn't know what it was. I mean, it could have been as a result of the building collapsing, things exploding, but I saw a flash flash flash and then it looked like the building came down.**
  - **Q. Was that on the lower level of the building or up where the fire was?**
  - **A. No, the lower level of the building. You know, like when they demolish a building, how when they blow up a building, when it falls down? That's what I thought I saw. And I didn't broach the topic to him, but he asked me. He said I don't know if I'm crazy, but I just wanted to ask you because you were standing right next to me ... He said did you see any flashes? I said, yes, well, I thought it was just me. He said no, I saw them, too." -- Assistant Commissioner Stephen Gregory -- FDNY WCT2 File No. 91 10008**

**Slide 343:**



FDNY Members Witnessed Explosions

**Slide 344:**

**"We came down to the lobby. There was nobody there. What the fuck! What do we do. We made it outside. We made it about a block?"**

**"We made it at least two blocks and we saw it, floor by floor, it started popping out."**

**"It was as if they had detonated it, as if they had planned to take down a building, BOOM BOOM BOOM BOOM BOOM BOOM BOOM."**

**"All the way down. I was watching it and running and then you just saw this cloud of shit chasing you down. You couldn't outrun it. I jumped behind a batallion car. I hid under the car, and I was just waiting to die."**

**Slide 345:**

News Reporters Tend to Say the Truth on the First Day ...

**"Sounded like gunfire: bang, bang, bang, bang, bang ... and then all of a sudden -- three big explosions."**



abc NEWS LIVE COVERAGE

WORLD TRADE CENTER, NEW YORK

**"Anybody who has ever watched a building being demolished on purpose knows that if you're going to do this you have to get at the under infrastructure of a building and bring it down."**

**"The entire building has just collapsed as if a demolition team set off ... when you see the old demolitions of these old buildings, it folded down on itself and it is not there anymore."**

**Slide 346:**



**"At 10:30 I tried to leave the building, but as soon as I got outside I heard a second explosion. And another rumble. And more smoke. And more dust. I ran inside the buildings, the chandeliers shook, and again, black smoke filled the air. Within another five minutes we were covered again with more silt and more dust and then a fire marshal came in and said we had to leave because if there was a third explosion, this building might not last."**



**"All of a sudden there was this big explosion. I don't know if -- just like what you just seen, that's what we went through before we came out of the building."**



**[Stephen Evans, North American Business Correspondence] "There was another big, big explosion in the other tower. Flames coming out and just billowing grey smoke. People still not panicking. People not**

quite understanding what was going on. Then somebody said that they saw an airliner go into one of those towers. Then, an hour later than that, we had that big explosion from much much lower. I don't know what on earth caused that. Whatever the cause, the terribleness, the hugeness of what's happened, so huge in fact that most of the people around simply can't understand what happened. People were just standing around, talking to each other, nodding their heads.





**"OH MY GOD!"**

LIVE WCBS: FOX NEWS ALERT: ONE TOWER OF WORLD TRADE CENTER COLLAPSES

"Do you know if it was an explosion or a building collapse?"



**"To me it sounded like, to me it sounded like an explosion, but it was a huge explosion."**



**[NBC's Pat Dawson Interviews FDNY Fire Safety Chief Albert Turi] "Chief Albert Turi told me that he was here after the events that took place this morning. He tried to get his men out as quickly as he could, but he said that there was another explosion which took place, and then an hour after there was another explosion in one of the towers here. So according to his theory, he thinks that there were actually devices that were planted in the building."**



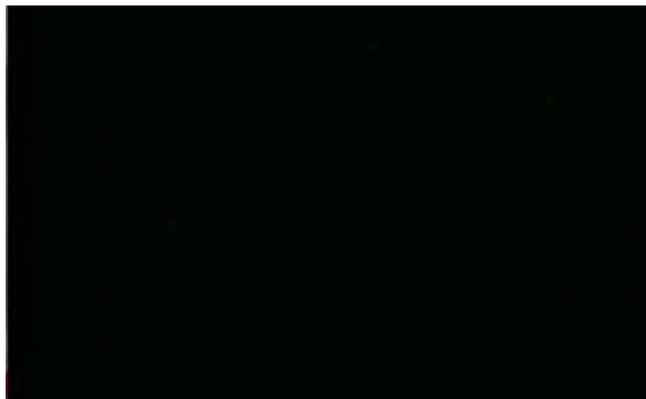
[Marc Trains] "This is as close as we can get to the base of the World Trade Center.



You can see the firemen assembled here. The police officers, FBI agents.



And you can see the Two Towers. **A huge explosion raining debris on all of us! WE BETTER GET OUT OF THE WAY!!!**



**"It just went BA BOOM, like a bomb in there, and it was like \_\_\_ coming down those stairs. And when we finally got to the bottom, and we were coming out, and another explosion ... flying."**



**"It sounded like gunfire: BANG BANG BANG BANG BANG! And then all of a sudden three big explosions."**



**"I was about five blocks away when I heard explosions."**



**Three thuds ... we just got out of there ...**



**and it kind of tipped over and folded over on itself."**



**"We've heard reports of secondary explosions after the aircraft impact. Whether in fact there wasn't something else at the base of the towers that in fact were the coup de grace to bring them to the ground."**



**"As we were making our way to the stairway, there was a heavy duty explosion."**

**Slides 347 & 348:**

Compare the Explosions

Note Geometry Similar to Fireworks



WTC 1 -- Upwards and outward streamers



An acknowledged explosion for comparison



WTC 1 -- "like a banana peeling"

**Slides 349 & 350:**

Dr. David Ray Griffin

Professor of Religion and Theology

Author of 30 books (including five about 9/11)

"The Destruction of the World Trade Center: Why the Official Story Cannot Be True," by David Ray Griffin

Comments on the Oral Histories of 9/11 Emergency Workers: Explosions, Flashes, Bombs, etc.

**"Deputy Commissioner Thomas Fitzpatrick said, 'It looked like sparkling around one specific layer of the building. My initial reaction was that this was exactly the way it looks when they show you those implosions on TV.'**

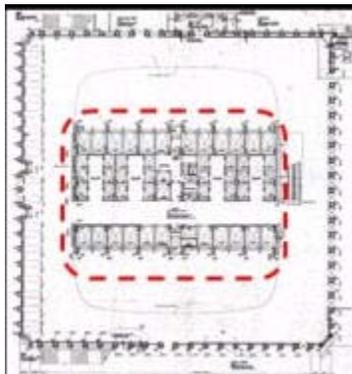
**"A few witnesses spoke of horizontal ejection. [Fire] Chief Frank Cruthers said: 'There was what appeared to be an explosion. It appeared at the very top simultaneously from all four sides. Material shot out horizontally, and then there seemed to be a momentary delay before you could see the beginning of the collapse.'**



"Now that's very important because defenders of the official theory say that these horizontal ejections were caused when the floors collapsed and pushed the material out. So listen to Firefighter James Curran who said, **'I looked back and I heard like every floor went chu-chu-chu. I looked back and from the pressure, everything was getting blown out of the floors BEFORE it actually collapsed.'**

"If all these firefighters and medical workers witnessed all these phenomena suggestive of controlled demolition, you might be wondering why you have not heard much about this. Part of the answer is probably provided by **Auxiliary Lt. Fireman Paul Issac having said that 'There were definitely bombs in those buildings.'** Isaac added that, **'Many other firemen know that there were bombs in the buildings but they're afraid for their jobs to admit it because higher-ups forbid discussion of this fact.'**

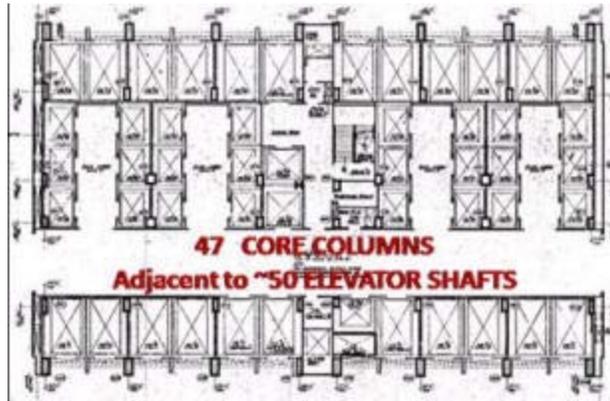
**Slide 351:**



- How could explosives be placed without the building occupants knowing?
- Unlike conventional building demolitions, the perimeter columns could not be accessed as easily, requiring a lot more explosive energy from the explosives placed in the core.

**Slide 352:**

**Core Area Columns Easily Accessible from Elevators**



47 CORE COLUMNS ADJACENT TO ~50 ELEVATOR SHAFTS

**Slide 353:**

Each core column is adjacent to one of up to 50 elevator shafts (or utility rooms on upper floors), making it relatively easy to set the charges without detection.

**Slide 354:**

**Elevator World March 2001 "WTC Elevator Modernization"**



DRIVE TO THE TOP

**Slide 355:**

**"We have received a confirmed report from ACE Elevator that all ACE Elevator employees are accounted for and safe. ACE Elevator Co. was providing elevator maintenance for the WTC. They were in the middle of a modernization and had been working out of an office located on the 35th floor in the South Tower." -- Elevator World: September 12, 2001**

**Slide 356:**

Is it possible that the explosives could have been planted under the guise of an elevator modernization?

**Slide 357:**

Wireless Detonation

## The HiEx TeleBlaster II



The HiEx Teleblaster II is an intelligence and discrete 2-way VHF or UHF telemetry blast initiation system intended for commercial blasting operations. The radio system's signal is digitally encoded. The latest microprocessor and message encoding/validation technology has been combined to provide a safe, reliable, accurate and compact remote blast initiation device.

### **Slide 358:**

A Precedent for "Top Down Demolition"

NIST states that controlled demolitions only start at the bottom.

From the DVD: "9/11 Mysteries"

### **Slide 359:**

"... the words of a senior blaster:"

"We blow the basement, all the columns in the basement. Then we crack it up at the top to get it started. We go every other floor ... all the way down. Every explosive has a timer on it -- that's why it's 'controlled.' When the columns go, each floor goes down and impacts the one below, and keeps going." -- Demolitions expert.

Mark Loizeaux is president of a company called Controlled Demolition:

"You don't have to go to the top floor. You can go almost anywhere in the structure, and given the right circumstances, you can release all of that stored energy, converting it into what's called "kinetic energy." That's energy in motion. And that's what brings the building down."

A 3-story top-down controlled demolition:



A 20 story middle-down controlled demolition:



**Slides 360, 361 & 362:**

WTC -- North Tower

- Explosions at top
- Half of the top 15 stories disintegrates in 4 seconds



**Slide 363:**

"Pile driver" Self-Destructs in 4 Seconds

Note that the 15-story "pile driver" is disintegrating on many floors at once -- reducing itself by 1/2 of its height before the demolition wave starts traveling down the building below the impact zone of the airplane.



**Slide 364:**



"Unexpected to many of us in terms of how swiftly it happened, they came down."

**Slide 365:**

Same as Slide 363.

**Slide 366:**

North Tower Explosions



Note the explosions racing down the facade of the building emitting squibs below.

**Slide 367:**



**Slide 368:**

South Tower -- Note multiple independent explosions blowing the mass outside of the building

EuroNews FLASH, World Trade Center, New York

**Slide 369:**



"The entire building has just collapsed as if a demolition team set off, when you see the old demolitions of these old buildings, it folded down on itself and it is not there anymore."

**Slide 370:**

The Explosive Demolition Hypothesis

2. Straight-Down, Symmetrical Progression OUTSIDE Footprint

**Slide 371:**

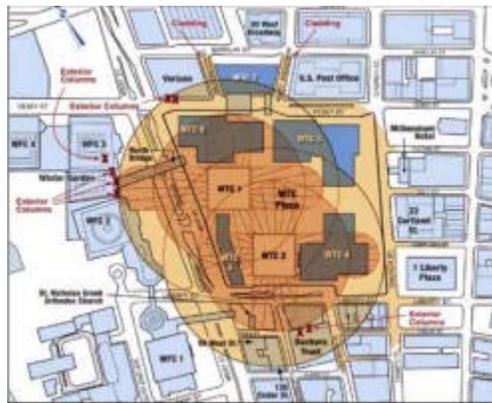
FEMA: Primary Debris Field is 1,200 ft. in Diameter



Everything is blown outside the Towers' footprint

**Slide 372:**

FEMA: Primary Debris Field is 1,200 ft. in Diameter



**Slide 373:**

Debris Filled the Entire WTC Complex and Beyond



The debris field was 20 times the area of the footprint of the two towers.

**Slide 374:**

**3. Squibs: Explosive Charges Visible at LOWER FLOORS**

**Slide 375:**

From "Loose Change, Second Edition"

WTC Squibs -- Explosive Ejections



**Slide 376:**

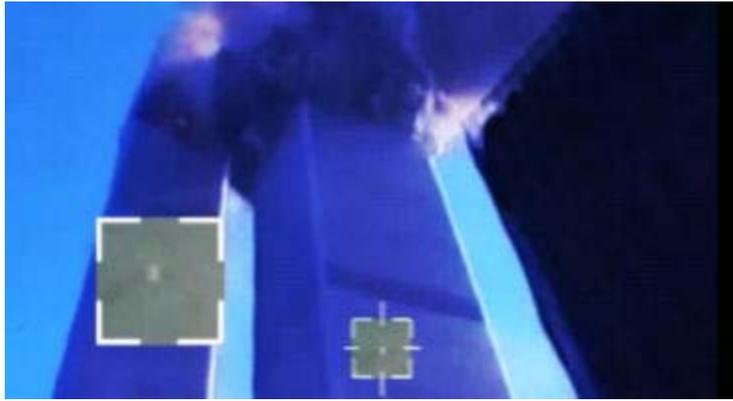
"In all the videos of the collapses, explosions can be seen bursting from the building 20-30 stories below the demolition wave.



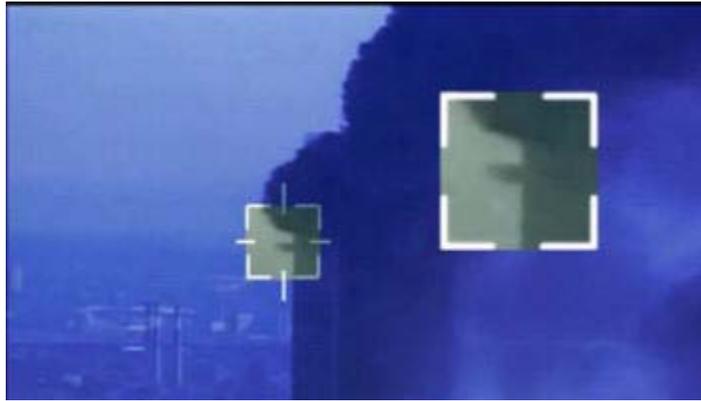
Here.



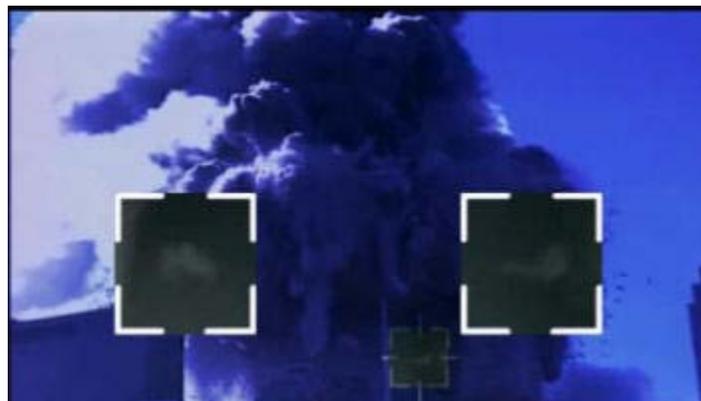
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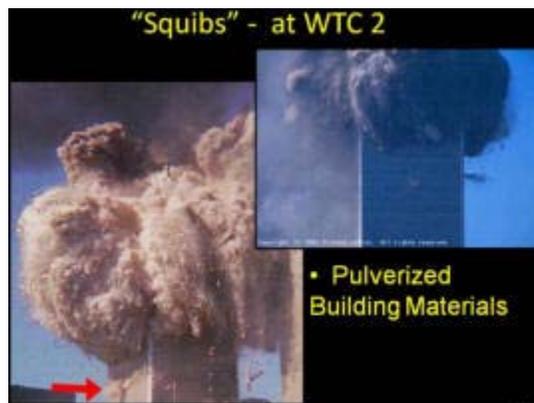


Here.



And here."

**Slides 377, 378, 379, 380 & 381:**



"Squibs" -- at WTC 2

- Pulverized Building Materials
- 160 to 200 feet / sec. velocity
- 20, 40, and 60 stories below
  - Focalized ejections
- **"Piston" effect in elevator hoistways would not create focalized ejections 60 feet away from hoistway**
  - Precise locations at middle of building face
    - **60 feet from hoistway!**

**Slide 382:**

Squib Velocities are "Explosive"

Moreover, a "piston effect" from a falling floor pushing air out of the building would tend to have a uniform air pressure and blow out most of the windows on the floors(s)

- But this could never happen because the squibs are 20 to 40 floors below the "collapsing" building!
  - Squibs occur at precise locations (center of bldg. facade)
- Squibs occur at speeds (160 to 200 feet per second) that could only be propelled by explosives.

www.911research.com

**Slide 383:**

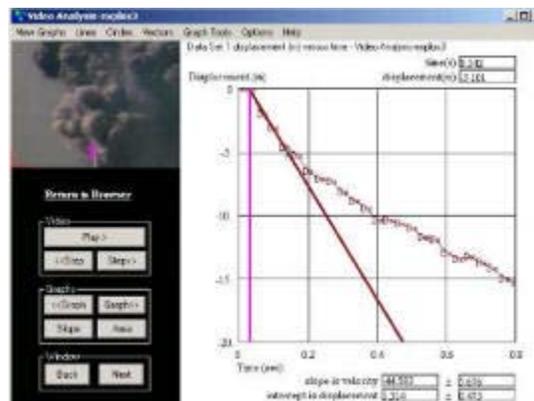
These WTC 2 Squibs: 126 mph

David Chandler, Physics / Math Teacher

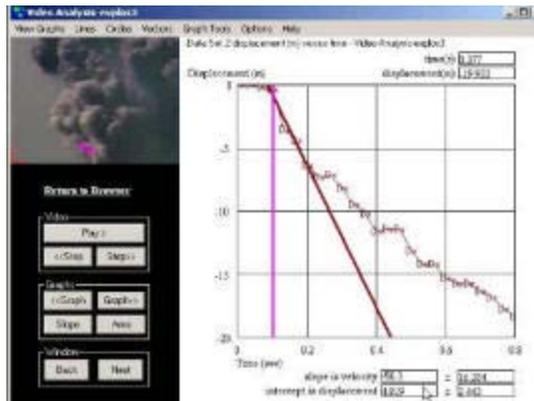


**Slide 384:**

"As the South Tower begins to explode, we track two squibs near the bottom of the frame. They shoot out quickly at first, then slow and merge in with the rest of the dust cloud.



Using the first few data points, we see that the first squib shoots out at 44.98 M/sec., or about 100 mph.



Doing the same for the second squib, we get a speed of 56.3 M/sec., which works out closer to 126 mph."

**Slide 385:**

4. Near Free-Fall Pace Through Path of Greatest Resistance

**Slide 386:**

**Nearly Free Fall Speed of Collapse**

Free-Fall Speed in a vacuum - 9.2 s.

- The building "collapses" somewhere between 9.5 and 10.5 seconds.
  - The debris hits the ground within 15 seconds

From "Loose Change -- Second Edition"

**Slide 387:**

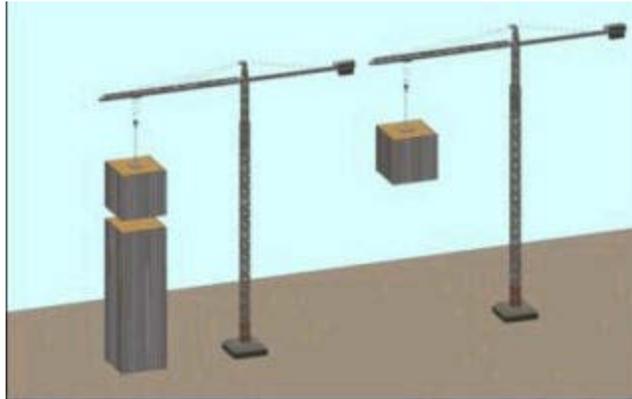
"Galileo's Law of Falling Bodies calculates the time in which an object will travel a certain distance in complete free-fall. Distance (D) = 16.08 X Seconds Squared. The South Tower was 1,362 feet tall. 1,362 = 16.08 x 85.7 or 9.2 Seconds.



The Twin Towers came down in nearly free-fall speed."

**Slide 388:**

A 9/11 Story Problem: Which 15 story building hits the ground first?



- **If the 15 story section is falling at free fall speed ...**
  - **All of its gravitational potential energy is converted to Kinetic Energy (movement)**
    - **It is not available to do the work of "crushing" the building below!**
  - **It would have to slow down in order to do any other work, i.e., "crushing 80,000 tons of structural steel below."**

**Slide 389:**

Blank.

**Slide 390:**



Exercise: Find FEMA's "Pile Driver"

No Piston

**No Mass = No Transfer of Momentum**

- Can you find FEMA's "pile driver" in this image or any of the other images of the collapses of the Twin Towers?
- **Even if the "pile driver" is hidden within the dust cloud, it would only have a fraction of the mass of the former top of the building, since the building's mass is being blow outside the building's perimeter, as is confirmed by the ensuing debris field.**

**Slide 391:**

5. Total Dismemberment of Steel Structure

**Slide 392:**

WTC -- South Tower: Gravitational Collapse or Explosive Dismemberment?



**Slide 393:**

WTC South Tower: Demolition Waves

**Slide 394:**



**Slide 395:**



**Slide 396:**

WTC South Tower Explodes



**Slide 397:**

Analysis of Demolition Waves

**Slide 398:**



- **Watch how even the "collapse" is -- advancing rows of explosions progressing in a perfectly straight line around the building. Symmetrical progression even though asymmetrical damage!**
- **There is only dust and smoke where the top of the building used to be. A great quantity of dust mixed with structural steel is ejected out horizontally at high speed.**
- **The demolition wave is clearly advancing ahead of the actual falling structure above. The delays between demolition charges would have to be very precisely controlled to create this effect. The detonators on each floor would be synchronously timed to the split second, with control of the sequencing by pre-programmed computer, but remotely started at the floor of the plane impact.**

**Slide 399:**



- The steel frame structure was almost completely dismembered.
  - Cut up and ready for shipment.

**Slide 400:**



Does this look like a gravitational collapse??



WTC North Tower Broken Down to Shippable Lengths

**Slide 402:**



**Broken into 37.5' lengths -- Ready for Shipment**

**Slide 403:**

6. LATERAL EJECTION of Structural Steel Up to 500 ft.

**Slide 404:**

**Lateral Ejection: Massive Steel Assemblies Hurled 500'**

Slide 405

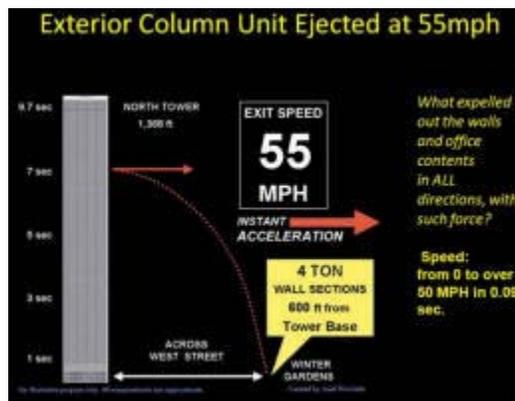
From DVD: "9/11 Mysteries"

"Now let's look at the collapse of the Twin Towers. We are seeing explosions rather than implosions, a first in demolition history. A sequenced rumble becomes a roar as debris is thrown outward. The damage is not contained. Even the windows are blown from neighborhood buildings. What kind of energy enabled this? A FEMA photographer taking pictures of Ground Zero wondered why so many steel beams were jutting from neighborhood buildings. What shot pieces of the Towers all the way across the street?"



**Slide 406:**

Exterior Column Unit Ejected at 55 mph.



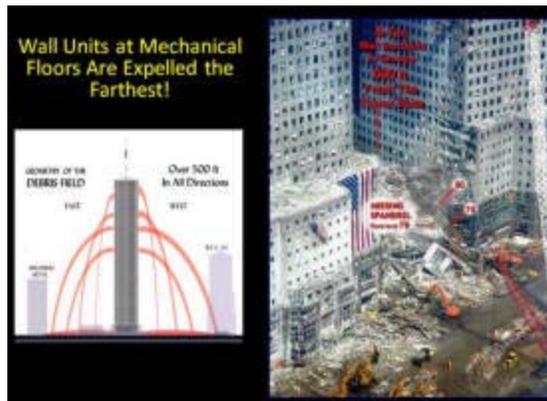
EXIT SPEED 44 MPH -- INSTANT ACCELERATION

**4 TON WALL SECTIONS 600 FT. FROM TOWER BASE**

What expelled out the walls and office contents in ALL directions, with such force?

Speed: from 0 to over 50 MPH in 0.09 sec.

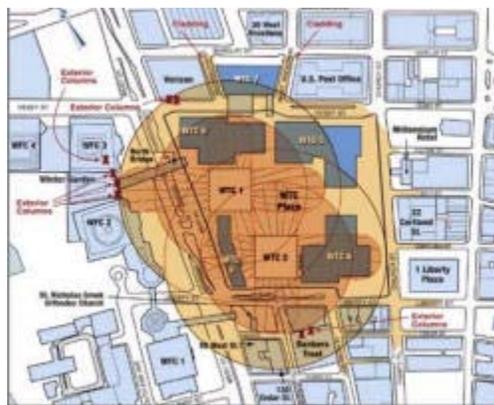
**Slide 407:**



**Wall Units at Mechanical Floors Are Expelled the Farthest!**

4-Ton Wall Sections in Groups 600 ft. from the Tower Base.

**Slide 408:**



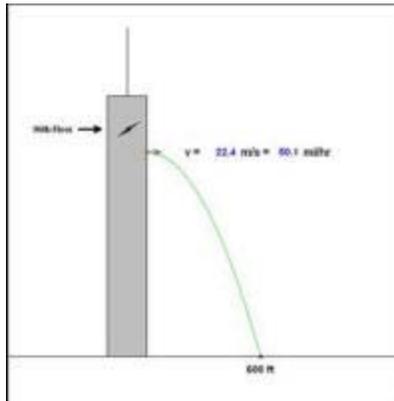
FEMA: Primary Debris Field 1,200 ft. Diameter

**Slide 409:**



The Physics of Lateral Ejections

**Slide 410:**



David Chandler, Physics / Math Teacher

**Slide 411:**

**"Girders weighing several tons were found 600 feet from the base of the North Tower. How fast they were ejected depends on where they originated. If they came from high in the building, they were thrown outwards at about 50 mph. If they came from lower down, the speed had to be even greater. Gravity alone cannot account for such high lateral ejection speeds."**

**Slide 412:**

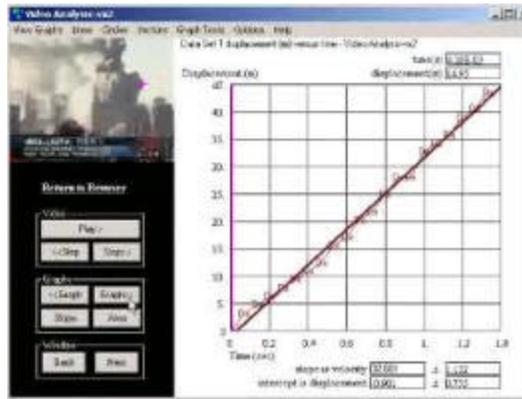
The Physics of Lateral Ejections

David Chandler, Physics / Math Teacher



**Slide 413:**

"Using special software, we can analyze motion on video clips frame by frame. I have placed markers on each frame so we can track a particular projectile."



From the markers we can get a data table and plot various graphs. **The data here shows that the object we are tracking was shot horizontally at over 70 mph. The energy needed to hurl a 4-ton girder at this speed is comparable to the energy needed to hurl a 200-pound cannonball three miles.**

**Slide 414:**



Enough energy in each WTC ejection to fire a 200 lb. cannon ball 3 miles?

**Slide 415:**

**How about those Pancakes?**



**Shouldn't there be about 110 stacked floors stacked up somewhere inside?**

**Slide 416:**

## Floor Panel Contractor

### Reports Floor Panels "Missing"

- From the book "Men of Steel" by Karl Koch III, Contractor who built the towers, asking Tom Petrizzo, the subcontractor responsible for delivering the 6,000 floor decking and joist panels to the construction site in the early 70's, and who worked on the demolition trucking team: "I didn't see one floor deck come here with a bar joist in it. They must have disintegrated --- There were 6,000 of them ... There's stuff crumpled up, but go identify it as a floor deck if you can. **I couldn't believe it -- not one floor panel ...**"

#### Slide 417:



#### Pancake Collapses Leave Pancakes:

#### Slide 418:

8. Enormous Pyroclastic Clouds of Pulverized Concrete

#### Slide 419:

Where is All the Concrete?



- Answer: This was clearly NOT a classic demolition. That is why we have no frame of reference with which to understand it. However, if we think about it, the shredding of the building and the great area of debris is all the more evidence of explosions.

There are no large chunks of concrete found on the surface at Ground Zero -- only shredded structural steel.

## Slide 420:

### Pyroclastic Dust Clouds



Jeff King, Doctor / Scientist, MIT

"One of the most significant things to my thinking that indicates that this could not have been the sort of collapse that we are told it was is the presence of the dust clouds. And, as you've seen in the pictures, and I'm sure all of us have seen probably more than we would like, there were very very large clouds of very thick dust that enveloped the area, that crossed the river, that made it almost all the way to New Jersey from the pictures that I've seen. This type of flow is something we are familiar with in physics. It occurs in only two situations that we know of, naturally. One is in volcanic eruptions, where a large amount of material is suddenly exploded into the air, and basically forms small particles. The other situation is something called turbidity currents.

These occur along the edges of the continental shelves where mud or sediment will slump and become suspended in water. And the common thread is you have large amounts of a dense material that is suspended very quickly in a fluid, thereby creating another denser fluid, which is in effect the dust cloud. And that fluid can achieve considerable velocities. The problem with creating this sort of slurry of fine particles is that there really is no mechanism that has been proposed. We have concrete floors with carpeting or flooring over them.

We have furniture. We have floors that are basically coming together in a collapse. But the concrete is basically protected under these layers. Early in the collapse, in the very first moments, we see these thick clouds being ejected at very high speed. They are clearly dense because they flow downward, and become part of this large overall pyroclastic flow. **What we're basically being told is that concrete sort of jumped up into mid-air and exploded itself, and then was ejected as the floors came together. Not a very plausible mechanism but I have yet to hear of anything else proposed to explain it.** From quite a few people on the scene we have been told that the powder represented most of the concrete. That the amount of intact, macroscopic chunks of concrete on the scene were negligible. Basically, everything was reduced to powder.

And incidentally, we also know that other things besides concrete were reduced to powder. We know that contents of computers, exotic metals from computer chips, these sorts of things were also identified in the dust and in very small particles, generally on the order of less than 100 microns in diameter. **So we have a real issue of mechanism as far as what in the process of this collapse could cause so many things to be pulverized.**

## Slide 422:

N.Y. Governor Pataki -- "Pulverized Concrete"

## Slide 423:



"And you look and you see there's no concrete. There's very little concrete. All you see is a \_\_\_\_."

"What happened to the concrete?"

"The concrete was pulverized. And I was down here on Tuesday, and it was like you were on a foreign planet. All of lower Manhattan -- not just this site -- from river to river there was dust, powder, two to three inches thick. The concrete was just pulverized."

**Slide 424:**



Pulverization of the Concrete

A striking feature of the Twin Towers' destruction was the pulverization of most of the concrete into gravel and dust before it hit the ground. This is evident from the explosive mushrooming of the towers into vast clouds of concrete as they fell.

Virtually no large pieces of concrete were found at Ground Zero, only twisted pieces of steel. Estimates put the size of the dust particles in the ten-to-100-micron range -- the width of a human hair.

**Slide 425:**

[Joe Casaliggi, Engine 7] "You have two 110-story office buildings -- you don't find a desk, you don't find a chair, you don't find a telephone, a computer."



The biggest piece of a telephone I found was half of the keypad, and it was about this big.



The buildings collapsed to dust."

**Slide 426:**



The Wall of Concrete Clouds Then Traveled Outward Across the River.

**Slide 427:**



9/11/01 -- A Typical Street in Downtown Manhattan

Mostly unburned paper mixes with the dust of the top half of the Twin Towers. This is all that is left of the concrete floors, gypsum wall board, steel decking, office furniture, office machinery, filing cabinets. The dust averages 4" deep. Most of the 6" curb appears filled in.

**Slide 428:**



Pyroclastic Dust Clouds

- 90,000 tons of concrete missing from each building
  - 100-micron to 10-mil particle size
- Settled 4" thick all over downtown Manhattan

**Slide 429:**



## Dust Cloud Expansion by Heat Can Be Calculated

- **Dust Cloud Expansion Energy Sink Vastly Exceeded Gravitational Energy Source**
- **Dust cloud of North Tower expanded to about 5 times the building volume by 30 seconds from collapse start.**
- **Heat energy is required to produce expansion: Ideal gas law:  $PV=nRT$  where: P = pressure, V = Volume, T = absolute temperature**
  - **The energy for the heat required is about 10x the gravitational potential energy!**
    - **Energy required for 3.4x expansion in 30 seconds is on the order of 1,500,000 kWh.**
    - **But the gravitational potential energy was about 110,000 kWh**

### Slide 430:

Gravitation Potential Energy of 15 Story Upper Section of North Tower = 110,000 kWh

**Near free-fall speed of collapse (all of its P.E. is converted to Kinetic → This is all the work that it can do!!**

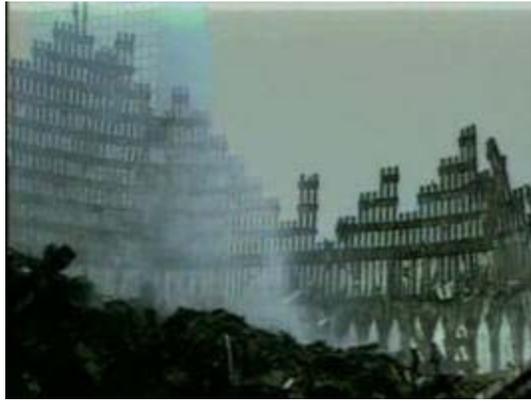
- 1. Expansion of Dust Clouds (to 5x building volume in 30 seconds) → Massive heat-Energy required**
- 2. Creation of tons of molten metal → 4,000 heat source?**
- 3. Crush 80,000 tons of structural steel frame → At near free-fall speed?**
- 4. Pulverization of 90,000 tons of concrete to fine dust → And where is the "grinder"?**

### Slide 431:



Massive Pulverization

Lt. Kenneth Christiansen, Ladder Company 5, Greenwich Village



"What I expected to see was nothing like what I actually did see at the time of my arrival at the site.



There wasn't much that you could say, that you could describe. Everything was dust and metal. There was no typewriters, no chairs. There was no nothing."

**Slide 433:**



The Only File Cabinet Found

- Of the hundreds of thousands of file cabinets in the Towers, only this one in the basement was found!

**Slide 434:**

Blank.

**Slide 435:**



Pulverization of WTC Victims

- **More than 700 bone fragments, each less than a half an inch long, have now been found on top of the 40-story Deutsche Bank building across the street from the South Tower.**
  - How did they get there? How did they get so small?

**Slide 436:**



In April, 2006, New Yorkers were distressed to learn that bone fragments, human remains from 9/11, had been found on the roof of the nearby Deutsche Bank Building.

"And how, in God's name, did those fragments get there?"

"It surprised me that there were still bone fragments or human remains that had not been discovered."



"How is it possible, that after five years, they are finally looking on the rooftops of the Deutsche building. I mean, that's crazy!"

**Slides 437, 438, 439 & 440.**

Pulverization of WTC Victims

- Total of 2,749 victims
  - Only 300 whole bodies were found.
- Almost 20,000 pieces of bodies were found
  - 6,000 pieces small enough to fit in test tubes
  - **1,151 victims remain completely unaccounted for**
    - 200 pieces matched to a single person

Can fire and gravitational collapse cause such massive body pulverization?

**Slide 441:**

9. IRON MICROSPHERES IN DUST & Pools of Molten Iron

**Slide 442:**

10. Chemical Evidence of Thermate Cutter Charges

**Slide 443:**

Direct Evidence of Explosive Destruction

**Slide 444:**

NO Characteristics of Destruction by Fire

**Slides 445 & 446:**



Has your Steel Fireplace Ever Melted?

- **"The fire is the most misunderstood part of the WTC collapse. Even today, the media reports (and many scientists believe) that the steel melted. It is argued that the jet fuel burns very hot, especially with so much fuel present. This is not true ... The temperature of the fire at the WTC**

**was not unusual, and it was most definitely NOT capable of melting steel."** -- Eager and Musso, 2001

A fireplace is a diffuse flame burning in air, as was the WTC fire. The maximum flame temperature for burning hydrocarbons (i.e. jet fuel) with an ideal fuel/air mixture) is 1,500 to 1,700 °F -- hardly sufficient to melt steel at 2,730 °F. The steel grate in a roaring fire in a typical home fireplace will rarely reach 1,000 °F, and it never melts!

**Slide 447:**

Steel Temperatures were insufficient for failure (applies to all WTC buildings)

**"But it is very difficult to reach [even] this maximum temperature with a diffuse flame. There is nothing to ensure that the fuel and air in a diffuse flame are mixed in the best ratio ... This is why the temperatures in a residential or office fire are usually in the 930 °F to 1,200 °F (air temp) range. It is known that the WTC fire was [such] a fuel-rich / oxygen starved, diffuse flame, as evidenced by the copious black smoke." -- Cote, A.E., editor, Fire Protection Handbook, 17th Edition, Quincy, Maine: National Fire Protection Association, 1992.**

**Slide 448:**

"Structural steel loses about half of its strength at 1,200 °F [steel temp]. Even a 50% loss of strength is still insufficient, by itself, to explain the WTC collapse ... The WTC, on this low-wind day, was likely not stressed more than a third of the design allowable ... **Even with its strength halved, the steel could still support two to three times the stresses imposed by a 1,200 °F fire ...**" -- Eager/Musso & Bazant/Zhou

**Slides 449, 450, 451 & 452:**

Flame/Air vs. Steel Temperatures

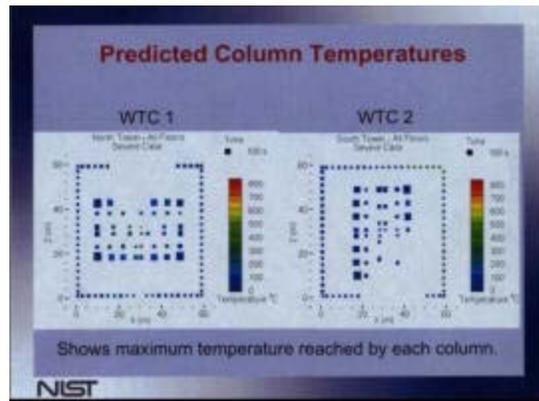
- **NIST's Report never points out the difference between flame temperature and steel temperature, implying that they are the same. This ignores the thermal conductivity of steel.**
- **In actual tests of hydrocarbon-fueled fires in car parks [parking garages] with exposed steel structures, conducted by Corus Construction, the highest recorded temperature of any of the steel temp. in any of the many tests was only 680 °F!**
- **Bazant and Zhou (2001), who support the official "collapse" theory, require 1,470 °F for structural steel failure.**
  - **NIST claims that the fires reached over 1,800 °F.**

**Slide 453:**

**NIST's Metallographic Analysis Contradicts its Own "High Core Temperatures" Claim:**

- **Using metallographic analysis, NIST determined that there was NO evidence that ANY of the core column samples had reached temperatures above 452 °F. And these samples were chosen based on proximity to the hottest fires -- per NIST.**

**Slide 454:**

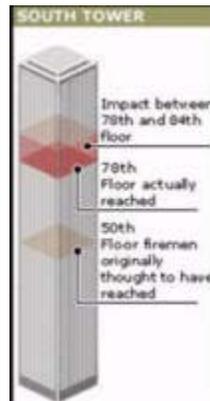


NIST Tables:

**Maximum WTC Column Temps. < 600 °F (chart shows Celsius temps.)**

The maximum temperatures shown are less than half that required for steel failure.

**Slide 455:**



Hear it from the N.Y. Firefighter who lost his life in the South Tower:

- **Chief Oreo Palmer's transmission states: "We're on the 78th floor. We have two isolated pockets of fire. We should be able to knock it down with two lines."**
- **Also -- Brian Clark, a survivor making his way down from the 86th floor at the 80th floor noted: "There were small flames visible through the [damaged] wall ... lapping up against the wall ..."**
  - **One of only four people in either tower to escape from a floor above the plane's impact. Executive Vice President of Euro Brokers, Inc. on the 84th floor of the South Tower. He also served as a volunteer fire-warden.**

**Where was the all-consuming inferno?**

- **(Floor 78 was officially being ravaged by an 1,500 °F inferno at this time.)**
- **These transmissions were made just minutes before WTC 2's collapse. There were supposedly massive structural failures occurring in this section of the building at this time -- according to NIST!**

**Slide 456:**

Same as Slide 455:

**Slide 457:**

NIST Blames Dislodged Fireproofing

- "The two aircraft hit the towers at high speed and did considerable damage to principal structural components: core columns, floors, and perimeter columns.
- "However, the towers withstood the impacts and would have remained standing were it not for the dislodged insulation (fireproofing) and the subsequent multi-floor fires."

At ALL beams, core columns, and perimeter columns all the way around the building??

**Slide 458:**

Data from FEMA & NIST Reports

**Slides 459 & 460:**

**Fire Engineering: "FEMA Investigation a Half-Baked Farce"**

- "Fire Engineering has good reason to believe that the 'official investigation' blessed by FEMA ... is a half-baked farce that may already have been commandeered by political forces whose primary interests, to put it mildly, lie far afield of full disclosure.
- "Respected members of the fire protection engineering community are beginning to raise red flags ... The structural damage from the planes and the explosive ignition of jet fuel in themselves were not enough to bring down the towers."

Bill Manning, "\$elling Out the Investigation," Fire Engineering, January 2002

**Slide 461:**

The NIST Report (National Institute of Standards and Technology, U.S. Department of Commerce)

**Slide 462:**



Final Report of the National Construction Safety Team on the Collapses of the World Trade Center Towers

NIST's specific objectives in this \$20M effort were:

1. Determine why and how WTC 1 and WTC 2 collapsed following the initial impacts of the aircraft and why and how WTC 7 collapsed;

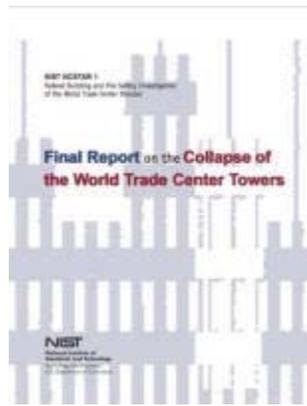
2. Determine why the injuries and fatalities were so high or low depending on location ...
3. Determine what procedures and practices were used in the design, construction, operation, and maintenance of WTC 1, 2, and 7.

**Slides 463 & 464:**

The NIST Report: Scope

- Objective 1:
  - **"The focus of the Investigation was on the sequence of events from the instant of aircraft impact to the initiation of collapse for each tower. For brevity in this report, this sequence is referred to as the "probable collapse sequence," although it does not actually include the structural behavior of the tower after the conditions for collapse initiation were reached and collapse became inevitable (?!).**

**Slide 465:**



The NIST Report's Title

**There was no "Collapse" analysis at all!**

**Slide 466:**

NIST's Scientific Method:

NIST: If the original question gives you the wrong conclusions about the FIRE Hypothesis: Draw conclusions about a different question! (the initiation of the collapse)

**Slides 467, 468, 469, 470, 471 & 472:**

NIST NCSTAR! Section 6.14.4

Events Following Collapse Initiation:

"The Structure below the level of collapse initiation offered minimal resistance to the falling building mass at and above the impact zone. The potential energy released by the downward movement of the large building mass far exceeded the capacity of the intact structure below to absorb that through energy of deformation ...

**" ... the building section came down essentially in free fall as seen in the videos. As the stories below sequentially failed, the falling mass increased, further increasing the demand on the floors below, which were unable to arrest the moving mass."**

(This is NOT an analysis with supporting calculations. It is speculation in an attempt to support the fire-induced collapse hypothesis!)

**Slide 473:**

NIST Also Casts Doubt on Their Collapse Theory

- NIST's 9/27/07 Response to "Request for Correction" by Steven Jones, Ph.D., Kevin Ryan, B. Chem., Richard Gage, AIA, Bob McIlvaine and others, acknowledges:

**"We are unable to provide a full explanation of the total collapse [of the Twin Towers]"**

**Slide 474:**

**The NIST Report**

**A Mountain of Distraction (TNRAT: "They'll Never Read All This")**

42 Sub-reports, 10,000 pages -- including

- 1,000 pages of modeling of the airplanes -- down to the turbines, and the building impact, the building structures, and maintenance issues.
  - Ubiquitous irrelevant detail
  - 100 pages of fire modeling and life safety issues
- **Only 1/2 page on the core presumption -- the "collapse initiation" and the following "global collapse."**
  - Losing the forest for the trees -- making it a very difficult task to ferret out the truth
  - **This \$20M cover-up -- a much more polished effort at hiding the truth than the FEMA investigation**

**Slide 475:**

A scholarly detailed critique of the NIST Report:

"Building a Better Mirage, NIST's 3-Year \$20,000,000 Cover-Up of the Crime of the Century," by Jim Hoffman

Also see: "The NIST WTC Investigation -- How real was the Investigation?", by Eric Douglas, Architect, 12/2006

**Slide 476:**

The NIST Report

Unfounded Assumptions

1. NIST provides little evidence for their "collapse initiation" theory, and the computer models don't support the theory.
2. Experiments to justify computer models used 3.4 MW super burners (about 500 wood stoves in a living-room-size area!) in order to achieve 1,650 °F ceiling temperatures (because steel loses 1/2 of its strength at about that temperature)
  - In fact, the available evidence suggests lower temperatures.
3. "Global Collapse" follows automatically from "Collapse Initiation"
  - a. No evidence, nor any history of such an event.
  - b. Violates known engineering principles of steel-framed buildings.
  - c. Violates the Scientific Method which says that in order for a phenomena to be taken seriously it must be reproducible -- or it doesn't exist ("top down total progressive collapse").
4. **NIST claims that the South Tower core damage was "greater" than the North Tower core damage. The available evidence on the next suggests otherwise! This was necessary in order to explain why the WTC 2 fell after only 56 minutes -- and well after the fires burned out!**

**Slide 477:**



**Why Does the South Tower Fall First?**

**SOUTH TOWER:** Flight 175 Approach Angle: Bad approach angle means the jet fuel bursts out of the building and explodes outside.

**NORTH TOWER:** Flight 11 Approach Angle: Almost perfect approach delivers all the jet fuel deep inside the building.

**Slide 478:**

The NIST Report

Startling Omissions

- NIST freely admits that the "focus of the investigation was on the sequence of events from the instant of aircraft impact to the initiation of collapse for each tower. For brevity in this report, this sequence is

referred to as the "probable collapse sequence," although it does not actually include the structural behavior of the tower after the conditions for collapse initiation were reached.

- **The entire NIST investigation stops before the real investigation begins!**
- **Why? Because, if they analyzed any of the evidence starting with the collapse, they would have to deal with the overwhelming evidence of the explosive demolitions!**
  - **NIST modeled only the 10 floors surrounding the airplane impacts.**
- **NIST refuses to publish the data for the computer models or make them available for review. Scientists routinely show their data in order to document and prove the results, i.e., exactly how they reached 1,650 °F ceiling temperatures!**
- **Furthermore, NIST (unlike FEMA) does not acknowledge that most of the South Tower's fuel was burned up outside the building.**
- **While NIST shows two separate time/temperature snapshots in the North Tower, they show only one in the South Tower. Why? Because the second one would have documented that the fires were basically "out" prior to the collapse -- making it impossible to document why it "collapsed."**
- **NIST omits any mention of FEMA's "sulfidation," severe corrosion, and intergranular melting.**

**Slide 479:**

### **The NIST Report**

#### **Outrageous Lies**

- **NIST misrepresents the floor plan elements**
  - **Core columns shown asymmetrically and 3x smaller (we will never know how they modeled them in the computer!)**
- **NIST jet impact models didn't achieve the desired results so they created additional scenarios:**
  - **increased the plane speed by a few Q%**
  - **decreased the approach angle by a few %**
  - **increased the aircraft weight by 5%**
  - **increased the aircraft strength by 15%**
  - **decreased the tower strength by 20%**
    - **adjusted the Towers' live load**
    - **increased the fuel by 25%**
- **NIST denies any existence of Molten Metal**
  - **Found by numerous N.Y.F.D. eyewitnesses and WTC structural engineer**

**NIST's computer simulation had the floor sagging 42" but their physical tests at UL showed only 4" of sag after 50 minutes (close to South Tower's failure time)! Ten times the observed deflection!**

**Slide 480:**

#### **NIST's Fudged Computer "Simulations"**

- **Actual fire tests with models sponsored by NIST did not fail or collapse**
- **No other high-rise, steel-frame buildings have collapsed due to fires and damage.**
  - **What to do? Computer simulations! With circular reasoning!**
    - **i.e., "the buildings wouldn't have collapsed unless we ..."**
- **Page 142: "The investigation Team then defined three cases for each building by combining the middle, less severe, and more severe values of the influential variables. Upon a preliminary examination of the middle cases, it became clear that the towers would likely remain standing. The less severe cases were discarded ... The middle cases ... were discarded.**

- **The more severe case (which became Case B for WTC 1 and Case D for WTC 2) was used for the global analysis of each tower.** Complete sets of simulations were then performed for Cases B and D.

To the extent that the simulations deviated from the photographic evidence or eyewitness reports [e.g., complete collapse occurred], the investigators adjusted the input.

**Slide 481:**

NIST's FAQ Response Dodges Controlled Demolition Questions

- On August 30, 2006, NIST posted on their website a list of 14 frequently asked questions (FAQ) and answers to them. NIST avoids answering the central charges of its most visible critique, Jim Hoffman's "Building a Better Mirage: NIST's 3-Year \$20,000,000 Cover-Up of the Crime of the Century":
  - That NIST uses the diversionary tactic of describing some events -- such as the airliner crashes -- in great detail, while almost completely avoiding the core question of what brought the Towers down.
  - **That NIST's report is internally inconsistent, supposing that steel columns were heated to temperatures hundreds of degrees in excess of the maximum temperatures indicated by its steel samples.**
  - That NIST fails to substantiate its implied claim that its computer models predicted "collapse initiation."
  - NIST fails to address the obvious features of the Towers' destruction that are unique to controlled demolitions.

NIST denial of controlled demolition rests entirely on their statement that "since the Towers collapse progressively from the top to the bottom, and there was no evidence of any blast or explosions in the region below the impact." (!)

In other words, "it didn't explode at the bottom so it wasn't a controlled demolition."

**Slide 482:**

NIST: No Attempt to Analyze Global Collapse (i.e. via Column Failure Theory)

- **As stated by NIST, its entire process of analysis is truncated at the initiation of collapse.**
- **Therefore, it neglects to provide any explanation of its posed sequentially collapsing floor theory (i.e. pancaking).**
- Thus, NIST's collapse theory becomes a completely unsupported opinion -- not technical analysis -- which relegates the key aspect of the report, thus the entire report, to irrelevance.

**Slide 483:**

NIST's Scientific Method:

NIST: If the report doesn't support the FIRE Hypothesis, Falsify it!

**Slide 484:**

Structural engineers strongly criticize the final NIST report on WTC collapses

New Civil Engineer, October 6, 2005.

- "World Trade Center disaster investigators [at NIST] are refusing to show computer visualizations of the collapse of the Twin Towers despite calls from leading structural and fire engineers, NCE has learned."
- "Visualizations of collapse mechanisms are routinely used to validate the type of finite element analysis model used by the [NIST] investigators."
- "University of Manchester [UK] Professor of structural engineering, Bailey, said there was a lot to be gained from visuals. 'NIST should really show the visualizations; otherwise, the opportunity to correlate them back to the video evidence and identify any errors in the modeling will be lost ...'"

A leading U.S. structural engineer said NIST had obviously devoted enormous resources to the development of the impact and fire models. "By comparison, the global structural model is not as sophisticated," he said. "The software used [by NIST] has been pushed to new limits, and there have been a lot of simplifications, extrapolations and judgment calls." -- Dave Parker, 2005

**Slides 485, 486 & 487:**



**Former Chief of NIST's Fire Science Division Calls for Independent Review of World Trade Center Investigation**

- **August 22, 2007: "Dr. James Quintiere Questions the WTC Investigations" at the 2007 World Fire Safety Conference. "I wish that there would be a peer review of this ..."**
- **"I think all the records that NIST has assembled should be archived. I would really like to see someone else take a look at what they've done; both structurally and from a fire point of view."**
- **"Let's look at real alternatives that might have been the cause of the collapse of the World Trade Towers."**

**Slide 488:**

Testimony of 118 First Responders

**Slide 489:**

Whistle Blowers

**Slides 490 & 491:**



Whistleblower: Underwriter Lab Scientist Objects to NIST Report

**Kevin Ryan was fired from UL as a result of his letter**

- **Kevin Ryan wrote about Underwriter Labs in a Letter to Dr. Frank Gayle of NIST:**
- **Re: "... performing tests on models of the [WTC] floor assemblies ... the results of these tests indicate that the buildings should have easily withstood the thermal stress caused by burning jet fuel."**
- **"We know that the steel components were certified to ASTM E119. The time temperature curves for this standard require the samples to be exposed to temperatures around 2,000 °F for two hours ..."**
  - **"The ['official'] story just does not add up."**

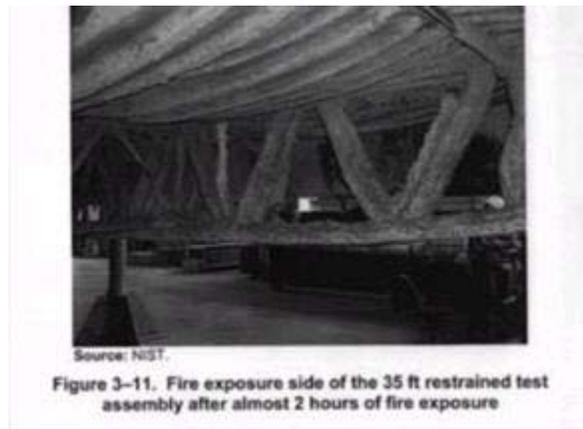


Figure 3-11. Fire exposure side of the 35 ft. restrained test assembly after almost 2 hours of fire exposure

**Slide 492:**

**Results From NIST-Sponsored Tests at UL**

Test	Description	Times to Reach End Point Criteria (min)					Standard Fire Test Rating			
		Temperature on Unexposed Surface		Steel Temperatures		Failure to Support Load	Test Temperature (min)	ASTM E 119-01		
		Average (Maximum +250°F)	Maximum (Maximum +200°F)	Average (1000°F)	Maximum (1300°F)			Restrained Rating (Rt)	Unrestrained Rating (Ru)	
1	20 ft. restrained, % in fireproofing	---	111	86	42	(3)	150°	1 1/2	1 1/2	1
2	20 ft. unrestrained, % in fireproofing	---	---	76	42	(3)	140°	2	---	2
3	17 ft. restrained, % in fireproofing	180	157	86	76	(3)	210°	2	2	1
4	17 ft. restrained, % in fireproofing	---	58	86	88	(3)	120°	3 1/2	3 1/2	3 1/2

(1) imminent collapse  
 (2) method requirements exceeded capacity to measure accurately  
 (3) did not occur

The above information that determined the rating is shown in matching color.

Results from NIST-Sponsored Tests at UL

Test	Description	Times to Reach End-Point Criteria (min.)					Test Terminated (min)	Standard Fire Test Rating		
		Temperature on Unexposed Surface		Steel Temperatures		Failure to Support Load		ASTM E 119-61	ASTM E 119-00	
		Average (Ambient + 250 °F)	Maximum (Ambient + 325 °F)	Average (1,100 Maximum (1,300 °F)	Maximum (1,300 °F)			Rating (hr.)	Restrained Rating (hr.)	Unrestrained Rating (hr.)
1	35 ft. restrained, ___ in fireproofing	---	111	66	61	(3)	116[1]	1-1/2	1-1/2	1
2	35 ft. unrestrained, ___ in. fireproofing	---	---	76	62	(3)	146[2]	2	---	2
3	35 ft. restrained, ___ in. fireproofing	180	157	86	76	(3)	210[2]	2	2	1
4	35 ft. restrained, ___ in. fireproofing	--	58	66	58	(3)	120[1]	3/4	3/4	3/4

- (1) Imminent collapse
- (2) vertical displacement exceeded capability to measure accurately
- (3) Did not occur

The end-point criterion that determined the rating is shown in matching color

**Slide 493:**

NIST's Scientific Method

NIST: If your EXPERIMENTS don't support the FIRE Hypothesis: Ignore them and create your own Data!

**Slide 494:**

Expert Corroboration

**Slide 495:**

Explosives Planted in Towers, N.M. Tech Expert Says

- Albuquerque Journal, 11 September, 2001, by Olivier Uyttebrouck, **"Televised images of the attacks on the World Trade Center Suggest that explosive devices causes the collapse of both towers," a New Mexico Tech explosion expert said Tuesday. The collapse of the buildings appears "too methodical" to be a chance result of airplanes colliding with the structures," said Van Romero, Vice President for research at New Mexico Institute of Mining and Technology.**
- **"My opinion is based on the videotapes, that after the airplanes hit the World Trade Center, there were some explosive devices inside the buildings that causes the towers to collapse," Romero said.**
- Romero is a former director of the Energetic Materials Research and Testing Center at Tech, which studies explosive materials and the effects of explosions on buildings, aircraft and other structures.

**Slides 496, 497, 498, 499:**

Demolition Expert Questions WTC "Collapse"

- Mike Taylor, a demolition expert, comments early on New Scientist, 12 Sept. 2001

**"The blatant disregard of controlled demolition as one of the obvious possibilities in the FEMA and NIST investigations may be evidence in and of itself for deliberate concealment given the numerous eyewitness accounts provided to the authorities concluding that it looked like a controlled demolition."**

- "It looked like a classic controlled demolition." Mr. Taylor is from the National Association of Demolition Contractors in Doylestown, PA.
- "The collapse of the WTC Towers mirrored the strategy used by demolition experts. In controlled demolitions, explosives are placed not just on the lowest three floors but also on several consecutive floors ..."
- "The explosions at the higher floors enable the collapse to gain downward momentum as gravity pulls the full weight of unsupported higher floors down into lower floors in a snowballing effect."

**Slides 500, 501, 502 & 503:**

CA Structural Engineer Ronald Brookman, SE, Questions the WTC Collapses

**"... explosive clouds of dust and debris moving horizontally and vertically upward as the collapses of WTC 1 and WTC 2 are just beginning does not look anything like a heat-induced gravitational collapse mechanism. As a structural engineer, I believe in the laws of physics and rely on them every day ... I would really like to know exactly why complete collapse of the twin towers became "inevitable" as expressed by NIST without ANY scientific analysis to substantiate it. Why would all 110 stories drop straight down to the ground in 10 seconds, pulverizing the contents to dust and twisted steel? ... The truth is in the details, so let's not just sweep it under the rug. None of the official reports address the issue of total collapse." -- Ronald H. Brookman, Structural Engineer, 21 Years experience, Lic: Structural Engineer 3653 CA; B.S. & M.S. Engineering, U.C. Davis**

### Slide 504:

Another Structural Engineer Questions the WTC Collapses

"Why the towers fell: Two Theories," by William Rice, P.E.

Posted March 1, 2007, Vermont Guardian

- **"The interesting fact is that each of these 110-story Twin Towers fell upon itself in about ten seconds at nearly free-fall speed. This violates Newton's Law of Conservation of Momentum that would require that as the stationary inertia of each floor is overcome by being hit, the mass (weight) increases and the free-fall speed decreases."**
- **"Even if Newton's Law is ignored, the prevailing theory would have us believe that each of the Twin Towers inexplicably collapsed upon itself crushing all 287 massive columns on each floor while maintaining a free-fall speed as if the 100,00 or more tons of supporting structural-steel framework underneath didn't exist."**

### Slide 505:

Another Structural Engineer Questions the WTC Collapses

David Scott, Structural Engineer, AMICE, CEng, MStructE Auchterarder, Perthshire, Great Britain

- Consulting Structural Engineer, with 20 years experience of building design and founding director of a structural engineering practice in Perthshire, Scotland.
- **"Near free-fall collapse violates laws of physics. Fire induced collapse is not consistent with observed collapse mode."**

### Slides 506 & 507:

Fire Protection Engineers Question the WTC Collapses

Owner of Grainger Consulting, Inc. a fire protection engineering firm (23 years). Licensed in 9 states. Strong forensic work and design of structural fireproofing systems.



Scott C. Grainger, PE, Forensic Fire Protection Engineer, Lic: 30031 AZ, BS Civil Engineering, Mesa, AZ

**"All three collapses were very uniform in nature. Natural collapses due to unplanned events are not uniform."**

## **Slides 508, 509 & 510:**

### **Fire Protection Engineers Question the WTC Collapses**

Registered Mechanical and Fire Protection Engineer in the State of California. Currently working as a fire protection engineer for the city of San Jose, CA

Edward Munyak, P.E., Fire Protection Engineer, Lic. #247, Lic: Mechanical Eng #6804, BSME Catholic University of America, Los Altos Hills, CA

**"The jet fuel contributed very little to the duration of the fires, and all the fires were very weak in historical perspective. They were oxygen starved as evidenced by the black smoke. If you dig deeper into the NIST reports, they confirm that steel temperatures were low. I presented for continuing education credits at the NFPA World Safety Conference in Boston, MA 6/4/2007. My presentation showed that all three WTC 'collapses' have no resemblance to any previous high rise fire, full scale fire tests in the UK involving much higher steel temperatures, or computer simulations using finite element analysis."**

### **Slide 511:**

FEMA Study Team Member & Structural Expert "Looks Like a Managed Demolition"

Note that this statement by Levy is contradicted by his work as a member of the FEMA study team, which indicated that the floor trusses sagged and their connections failed as a result of the fires.

Matthys Levy, Co-author, "Why Buildings Fall Down"

### **Slide 512:**



**"If you've seen many of the managed demolitions, where they implode a building, and they cause it to essentially fall vertically, because they cause all of the vertical columns to fail simultaneously. That's exactly what it looked like, and that's what happened."**

"It was live on television. I mean, just literally millions of people ..."

### **Slides 513 & 514:**

**Even FEMA's Structural Engineer questions the WTC Collapses**

- **"It appeared to me that charges had been placed in the building" -- Ronald Hamburger, structural engineer, contributor to FEMA and NIST reports**

- And yet the official investigations never considered demolition?

**Slide 515:**

FEMA's Scientific Method:

FEMA: If your own experts contract the FIRE Hypothesis: Ignore them!

**Slide 516:**

Foreknowledge of Destruction

**Slides 517, 518, 519 & 520:**

**FEMA Already on Site 9/10/01**

FEMA exercise Tripod II brought FEMA personnel to Manhattan on Sept. 10:

**"...the reason Pier 92 was selected as a command center was because on the next day, on September 12, Pier 92 was going to have a drill. It had hundreds of people here, from FEMA, from the Federal Government, from the State, from the State Emergency Management Office. And they were getting ready for a drill for biochemical attack. So that was gonna be the place they were going to have the drill. The equipment was already there." -- Former N.Y.C. mayor Rudy Giuliani to 9-11 Commission; this testimony was not included in the 9-11 Commission report.**

Corroborated by one involved: **"We were one of the first teams that was deployed to support the City of New York in this disaster. We arrived on late Monday night (9/10/2001) and went right into action on Tuesday morning." (9/11/2001) -- Tom Kenney to Dan Rather, TV interview, Sept. 13, 2001**

**Slide 521:**

Mayor Rudolph Giuliani, N.Y. City

ABC News 12:01 p.m. 9/11/01

- **Mayor Giuliani was warned 10 minutes prior that the WTC tower was going to collapse!**
  - **Who warned him? There were 300 firefighters that didn't get warned!**
- **No steel-framed high-rise building had collapsed because of fire before 9/11, so how was it known that the WTC was going to collapse?**

**Slide 522:**

Mayor Rudolph Giuliani, New York City

ABC News 12:01 p.m. 9/11/01. Giuliani admits to being told the Towers would collapse ...

**"I went down to the scene, and we set up headquarters at 75 Barkley Street, which was right there, with the Police Commissioner and the Fire Commissioner, and the Head of Emergency Management, and we were operating out of there when we were told that the World Trade Center was going to collapse. And it did collapse before we could actually get out of the building. So we were trapped in the building**

for 10-15 minutes until we finally found an exit and got out, walked north, and it took a lot of people with it."

**Slide 523:**

Giuliani's Scientific Method:

Giuliani: If your own behavior undermines your credibility: Lie about it! (He denies making the statement!)

**Slide 524:**

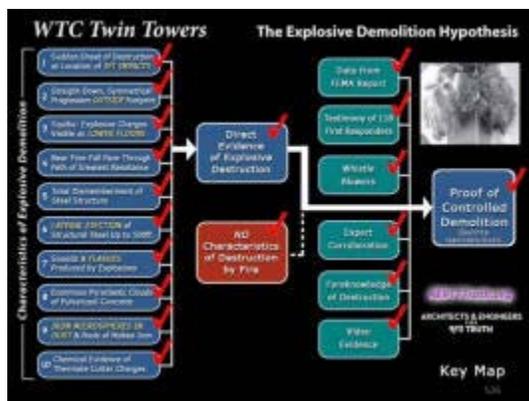


"Summary of Explosive Destruction," by Dr. David Ray Griffin

**Slide 525:**

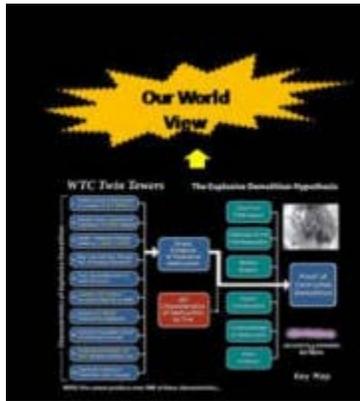
"These facts taken together render the likelihood of the official theory essentially zero. In fact, each of the ten phenomena, the likelihood of it occurring without explosives being used is by itself essentially zero. But let's be generous and suggest maybe there's a 1% chance that these things could occur: virtual free-fall speed, straight down; an enormous amount of dust. 1% chance. But when you figure out the probabilities then and you say how many that two of them would occur, three of them would occur? By the time you get up to ten of them occurring without explosives, you're talking about the likelihood of one in a trillion! So, we can say that the official theory about the towers is disproved as thoroughly as any such theory could possibly be. Whereas, all of the evidence can be explained by the alternative theory according to which the towers were brought down by explosives. The official theory is therefore an outrageous theory, whereas the alternative theory is, from a scientific point of view, the only possible theory."

**Slide 526:**



## Slides 527, 528, 529 & 530:

This Evidence Confronts Us Personally With a Very Difficult Situation



Our World View → Paralysis, No action → Defensive Excuses and Avoidance Techniques:

1. "Our Government wouldn't do this to us!"
2. "I would have heard about it by now!" "It couldn't be kept a secret!"
3. "I'm not an expert in Controlled Demolition!"
4. It's too horrible. I don't want to think about it!" "I did not see this stuff tonight."

→ Avoid the Debate, Go Back to Sleep, Become Part of the Problem

## Slides 531, 532, 533, 534 & 535:

Our World View → Motivation, Action → Based on Rational Reaction to Scientific Data → Work through our fears, disbeliefs, mindsets → Get Informed, Inform other A/E's → Support a new Investigation

## Slides 536, 537, 538, 539, 540 & 541:

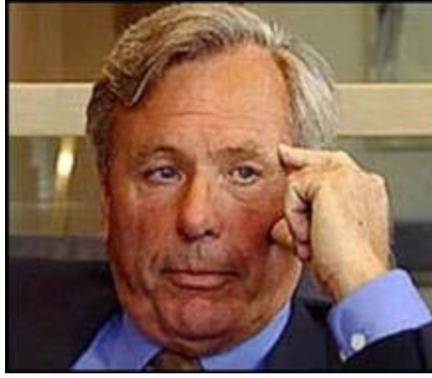
Who Else Demands Real Answers About 9/11?

- 200 9/11 Survivors & Family Members
- 110 Military, Intelligence, Law Enforcement, and Government Officials
  - 170 Distinguished Professors
- 110 Entertainment and Media Professionals

ALL ENDORSE THE CALL FOR A NEW PROBE INTO 9/11

Visit [patriotsquestion911.com](http://patriotsquestion911.com)

## Slide 542:



World Government Leaders Question 9/11

Andreas von Bulow, Ph.D.

Former State Secretary of the Federal Ministry of Defense of West Germany. Former Minister of Research and Technology. Member of Bundestag (Parliament) 1969-1994. Video 5/6/06:

**"The official story is so inadequate and far-fetched that there must be another one."**

**Article/Interview 1/13/02: "The planning of the attacks was technically and organizationally a master achievement. To hijack four huge airplanes within a few minutes and within one hour, to drive them into their targets, with complicated flight maneuvers! This is unthinkable, without years-long support from secret apparatuses of the state and industry."**

<http://www.ratical.org/ratvile/CAH/VonBuelow>

**Slide 543:**



World Government Leaders Question 9/11

Francesco Cossiga, President of Italy (1985-1992) and Former Prime Minister. Also served as Undersecretary for Defense. Former President of the Italian Senate. Article Corriere della Sera 11/30/07:

Mr. Cossiga commenting on a purported new video from Osama bin Laden: **"... all of the democratic areas of America and of Europe, with the Italian center-left in the forefront, now know full well that the disastrous attack was planned and executed by the American CIA executed by the American CIA ... to falsely incriminate Arabic countries and to persuade the Western Powers to intervene in Iraq and Afghanistan."**

**Slide 544:**



World Government Leaders Question 9/11

Yukihiro Fujita, Member, House of Councillors (the upper house), National 'Diet' of Japan. Director, Committee on Foreign Affairs and Defense. Former Member of the House of Representatives. Former Director General of the International Department of the Democratic Party of Japan.

Session of the Committee on Foreign Affairs and Defense of the House of Councillors 1/10/08: In a 40-minute presentation on the floor of the House of Councillors (the upper house of the legislature), Yukihiro Fujita directly questioned the official version of 9/11. Present in the session and responding to Mr. Fujita's questions were Japanese Prime Minister Yasuo Fukuda and members of his Cabinet. Mr. Fujita demanded further investigation of the events of 9/11.

<http://www.y-fujita.com>

**Slide 545:**



World Government Leaders Question 9/11

Paul Hellyer, Former Minister of National Defense of Canada, Former Deputy Prime Minister, Former Member of House of Commons.

**"Why did airplanes fly around for an hour and a half without interceptors being scrambled from Andrews [Air Force Base]? ... With a quick action alert, they should have been there in five minutes or ten minutes ... The inquiry has been very shallow, very superficial. I would like to see a much tougher, more in-depth inquiry ... We have to try and get the truth ... I hope that somebody has the courage and persistence to keep at it until we get it."**

Video: <http://www.septembereleventh.org>

Transcript: <http://www.septembereleventh.org/alerts/hellyer.php>

**Slides 546 & 547:**

What's Happened to Our Media?



**Weapons of Mass Deception: CBS, CHH, ABCNEWS, NBC NEWS**

- William Colby, former Director of the CIA
- **"The Central Intelligence Agency owns everyone of any significance in the major media."**

--David McGowan, "Derailing Democracy"

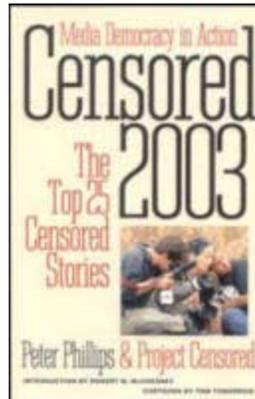
**Slides 548 & 549:**

Operation Mockingbird

**"Starting in the early days of the Cold War (late 40's), the CIA began a secret project called Operation Mockingbird, with the intent of buying influence behind the scenes at major media outlets and putting reporters on the CIA payroll, which has proven to be a stunning ongoing success. The CIA effort to recruit American news organizations and journalists to become spies and disseminators of propaganda was headed up by Frank Wisner, Allen Dulles, Richard Helms, and Philip Graham (publisher of the Washington Post.)"**

<http://www.disinfopedia.org>

**Slide 550 & Slide 551:**



Project Censored: The Mission of Project Censored is to educate people about the role of independent journalism in a democratic society and to tell The News That Didn't Make the News and why.

[www.projectcensored.org](http://www.projectcensored.org)

Project Censored is a media research group out of Sonoma State University which tracks the news published in independent journals and newsletters. From these, Project Censored compiles an annual list of 25 news stories of social significance that have been overlooked, under-reported or self-censored by the country's major national news media.

**Slide 552:**



**Slide 553:**

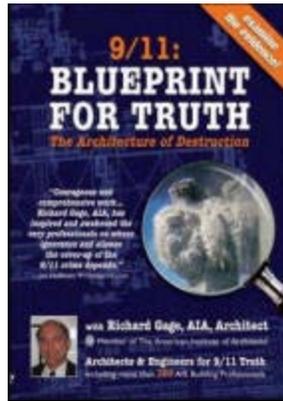
Follow Up!

**Slides 554 & 555:**

With Our Freedom Comes Our Responsibility

- 9/11 is the most important event in American history since December 7, 1941, when Japanese forces attacked Pearl Harbor.
  - The magnitude of the impact of 9/11 on America and the rest of the world cannot be overstated. Wars are being waged.
- The horrible acts of 9/11 and the events leading up to them deserve a thorough, independent and unimpeachable investigation.

**Slide 556:**



9/11: BLUEPRINT FOR TRUTH -- The Architecture of Destruction, with Richard Gage, AIA, Architect, Architects & Engineers for 9/11 Truth

Seen by over 5,000

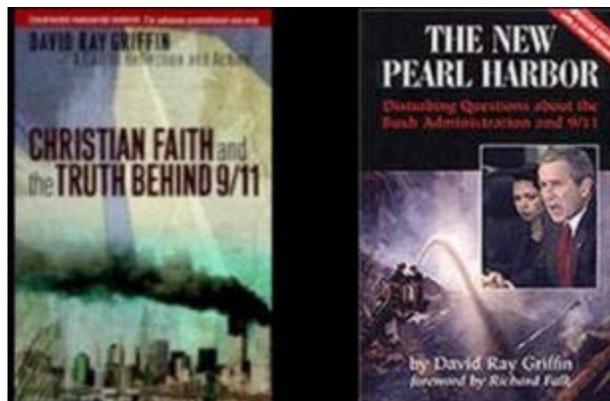
- (200 million left go to!)
  - Be a truth bearer
  - Loan it to everyone you know
- Email the AE911Truth.org link to every Architect & Engineer you can think of ...
  - We must have 1,000 A/E's demanding a new investigation by 9/11/08!

**Slide 557:**

And from the newest DVD on 9/11: "911 Mysteries"

[www.911mysteries.com](http://www.911mysteries.com)

David Ray Griffin



"CHRISTIAN FAITH AND THE TRUTH BEHIND 9/11"

"THE NEW PEARL HARBOR"

**Slide 559:**

And we borrow from the creators of "Loose Change, Final Cut"



[www.loosechange911.com](http://www.loosechange911.com)

**Slide 560:**

"9/11 Revisited: Scientific and Ethical Questions," Steven E. Jones, Professor of Physics, BYU

Parts of this discussion can be found in the scholarly paper: "Why Indeed Did the WTC Buildings Completely Collapse?", by Steven E. Jones

[www.journalof911studies.com](http://www.journalof911studies.com)

[www.stj911.org](http://www.stj911.org)

**Slides 561, 562, 563, 564 & 565:**

DEMAND A NEW 9/11 INVESTIGATION

- Call and write your elected representatives in Congress:  
<http://www.congress.org/congressorg/directory/congdir.tt>
- Write your local television stations, radio stations and newspapers,  
<http://www.congress.org/congressorg/dbq/media>
- Write to national tv and radio networks, newspapers, and magazines,  
<http://www.fair.org/index.php?page=111>
- Tell everyone you know and email the AE911Truth.org website link

**Slides 566, 567, 568 & 569:**

SIGN THE AE911Truth.org PETITION!

- Sign our petition demanding a new investigation!
  - Stand up and be counted!
  - Everyone can sign: A/E's and Others too!
- Millions are becoming aware. Become a part of the "9/11 Truth Movement"

**Slide 570:**

[AE911Truth.org](http://AE911Truth.org)



Sign the Petition!

**Slides 571, 572, 573, 574, 575, 576, 577 & 578:**

BECOME A SUSTAINING MEMBER OF AE911Truth.org!

- Make a difference with the non-profit organization that is bringing the Explosive Evidence and technical truths to light
  - Reach the building professionals -- A/E's!
    - One dozen full-time volunteer staff -- support them!
    - Help us break through into mainstream media in 2008
- Help us get the vinyl banners, DVD's, brochures, etc. into the hands of the real heroes of the 9/11 Truth Movement -- the people willing to get the message out on the street:
  - WeAreChange.org
  - TruthAction.org
  - Project for a New American Citizen
- Send our expanding team to speak in every city in America!

**Slide 579:**



You Can Help Us!

Become A Sustaining Member

**Slide 580:**

Zbigniew Brzezinski warns U.S. Senate:

"A plausible scenario for a military collision with Iran involves a terrorist act in the U.S. blamed on Iran culminating in a 'defensive' U.S. military action against Iran that plunges a lonely America into a spreading and deepening quagmire eventually ranging across Iraq, Iran, Afghanistan, and Pakistan."

Zbigniew Brzezinski, National Security Adviser -- Carter Administration, Testimony to the Senate Foreign Relations Committee, February 1, 2007

**Slides 581 & 582:**



Speak The 9/11 Truth!

**"A time comes when silence is betrayal." -- Martin Luther King**

**Slide 583:**

THE END