

911mysteriesguide.com

9/11 Mysteries Viewer's Guide

First Edition

"The Doc"
April 2007

Section I: Preface

First Edition – April 2007

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1.2 Author Introduction

To Whom It May Concern,

I feel it is important that the readers of this paper know a little bit about me and my motives before I expand on the issues contained within the film, "9/11 Mysteries".

Most of the people who read this will know me as "The Doc", but my real name is Shane. I created a presentation in 2006 as a rebuttal to the film, "9/11 Mysteries". This presentation was entitled "Screw 9/11 Mysteries". I used the original film and added a rebuttal in a text format along with added subtitles and occasional cuts from the movie. This paper is my effort to expand on the points I made in my earlier presentation and to offer a written paper that can be printed and/or read at the reader's own pace.

So why am I doing this?

In 2004, I saw a short presentation on the events of 9/11 that focused on the Pentagon. This presentation alleged that no Boeing 757 crashed into the Pentagon. In 2005, I watched a movie called "Loose Change". I thought it raised some good points but I was rather skeptical of the thesis provided by the film. After reading into several of these 9/11 conspiracy theories, I stumbled across a rebuttal to Loose Change. It was entitled "Screw Loose Change", and contained links to several other sources such as Mark Roberts' "Loose Change Guide", 911myths.com and Debunking911.com. After reading those sources in detail, I was utterly embarrassed that I had even considered Loose Change might have a point. Slowly over time, I realized that the depth of deception that was offered by the 9/11 Truth Movement was much greater than I thought.

In September 2006, I watched "9/11 Mysteries" for the first time. By this point in time, I was well aware of the details of the several conspiracy theories that had emerged from the events of 9/11. I watched the entire film from start to finish. At first, 9/11 Mysteries appeared far more convincing than Loose Change. As a result, I decided that I would look into it a little more. This led to the findings that I detail in this report and eventually led to a desire to share these findings with the public.

I am not hired, paid or motivated by any government, club, group or organization. I am doing this entirely of my own accord. My motivation is not based on politics or finance. Unlike 9/11 Mysteries, I will make no mention of my political beliefs. I do not want any "bonus points" granted to my credibility by anyone who leans to the same side of the political spectrum as me. I find politics completely irrelevant to the facts, and facts are my focus.

Similar to 9/11 Truth activists, I believe that the public has the right to know the truth. However, I fail to see how this can be achieved through lies, bad science, straw man arguments and misquotes. I am creating this paper to make the truth-seeking public well aware that the truth **cannot** be found within this film.

Sincerely,
The Doc.

1.3 Before You Read

Although most of the information in this guide is self-explanatory, there are a few things we would like to go over before you read this critique.

This guide is designed to accompany the original film. We do not wish for anyone to read this guide instead of watching the film. We strongly believe that people should view both sides of every issue. The original film can be found at:

Google Video:

<http://video.google.com/videoplay?docid=-6708190071483512003>

BitTorrent Download:

http://torrentchannel.com/9-11/911-Mysteries_-_Demolitions_Part-1

Official 9/11 Mysteries Website:

<http://www.911weknow.com>

Along with watching the original footage and researching the conspiracy theories surrounding 9/11, we recommend that you research the official story on your own. 9/11 Mysteries fails to present an accurate version of the official story. Please see the Appendices section (Section IV) of this paper for links that will direct you to the appropriate avenues to research the official story.

To make this viewer's guide, we used the official 9/11 Mysteries transcript. This transcript can be found at:

<http://www.911weknow.com/images/stories/documents/narratorsript.pdf>

We have taken sections from the transcript and placed them in tables. Below the tables, we detail facts that counter the assertions presented by 9/11 Mysteries. The bold text within these tables is the focus of the counter-arguments presented below the tables.

Quotes from external sources are in a smaller, centered font. They appear in blue text and have source links preceding them.

For unknown reasons, the creators of 9/11 Mysteries omitted several words, phrases and even sentences from the transcript. We have taken the majority of these omissions and included them in our viewer's guide. These omissions are represented in a bold red text. Please note that some of these omissions may have gone unnoticed.

Some irrelevant information presented by 9/11 Mysteries is not included in the sections of transcript in this guide. For example, the background information on steel (such as how it is made) that is presented in the "facts about steel" section of the film.

Please be aware that this viewer's guide focuses solely on the issues brought to us by 9/11 Mysteries Part 1. Do not expect to see any rebuttal to conspiracy theories surrounding the Pentagon, Flight 93, or anything else that is not addressed by 9/11 Mysteries: Part 1 - Demolitions.

Links are provided in this guide's appendices to deal with these issues.

1.4 Contact Information

As the creator of this guide and “Screw 9/11 Mysteries”, I am open to any constructive criticism. I will usually respond to said criticism as soon as I possibly can. This does not mean, however, that I will respond to threats, insults, irrelevant information, spam or any repetition of the arguments presented in 9/11 Mysteries.

I can be contacted by:

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Private Message on JREF Forums:

Username: the doc

Forum: <http://forums.randi.org>

Blog:

<http://thedoc911.blogspot.com>

Any criticism that has been well researched will be taken into account for future revisions of this paper. The same applies for suggestions.

Section II: 9/11 Mysteries

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2.1 Brad's Introduction

Section 2.1.1

Brad:

"My name is Brad and I'm a conservative Republican. Last summer I happened to come across a video on the Internet about the World Trade Center demolition on September 11th. As a kind of "demolition hobbyist," I downloaded it and watched it. The title was "Painful Deceptions," by a guy called Eric Hufschmid. The video made me very angry. I was determined to prove the maker of the video wrong.

I purchased videos about 9/11 from CBS and PBS Nova, including one made by the Naudet brothers. **These were considered the "official videos."**

We have yet to determine why Brad claims these are the "official videos". The Naudet brothers film, "Why the Twin Towers Fell" by PBS and the various other documentaries contained in 9/11 Mysteries are not official government reports explaining the collapse of the towers. They are simply documentaries created by third parties. This is not to say they are inaccurate, but calling them "official videos" is rather disingenuous.

If Brad had properly researched the topic at hand, he would have read the National Institute of Standards and Technology (NIST) report and the 9/11 Commission report. Brad makes no mention of these.

Section 2.1.2

After watching them carefully, and after researching thousands of websites and archives on the Internet -- **literally not sleeping for an entire week** -- I realized that official story, not Eric Hufschmid's "Painful Deceptions," was unprovable, unsubstantiated, absolutely wrong.

Here, we will look at the effects of sleep deprivation. A person cannot go without sleep for an entire week without experiencing several side effects.

These range from physical side effects to severe emotional and mental side effects. Not sleeping for an entire week would have seen Brad experiencing hallucinations, paranoia, memory lapses, difficulty concentrating, delusions, emotional swings, time and place disorientation and aggression amongst many other things.

<http://tinyurl.com/y52fqj>

So, Brad concluded that the official story was "absolutely wrong" whilst experiencing severe mental disorders?

It is either that or 9/11 Mysteries has just lied to us.

9/11 Mysteries is supposed to be a fact-based documentary. This leaves no room for rhetorical devices such as the hyperbole presented to us by Brad. Note that Brad claims that he "literally" did not sleep for an entire week. "Literally" is a strong word and has no place in a fact-based documentary, unless a statement of fact is being made.

Please see Appendix D (Section 4.4) of this paper for more on this sleep deprivation issue.

Section 2.1.3

What you are about to see is information you should already know. Our news reporters, government and media should have made all this material available to every one of us. **Ask yourself why you've never seen it on TV.**

For your consideration, 9/11 Mysteries is almost entirely compiled of footage from documentaries, news reports and interviews originally aired on television.

"On TV" was, for some reason, removed from the transcript. Could this be why?

2.2 The Myth

Section 2.2.1

1:54 On September 11th, 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.

2:20 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.

2:38 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**.

The official story never mentions steel melting. This is what is known as a straw man argument: http://en.wikipedia.org/wiki/Straw_man

"A straw man argument is a logical fallacy based on misrepresentation of an opponent's position. To "set up a straw man" or "set up a straw-man argument" is to create a position that is easy to refute, then attribute that position to the opponent."

This is what the NIST report FAQ has to say about melting steel.
http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

In no instance did NIST report that steel in the WTC towers melted due to the fires. The melting point of steel is about 1,500 degrees Celsius (2,800 degrees Fahrenheit). Normal building fires and hydrocarbon (e.g., jet fuel) fires generate temperatures up to about 1,100 degrees Celsius (2,000 degrees Fahrenheit). NIST reported maximum upper layer air temperatures of about 1,000 degrees Celsius (1,800 degrees Fahrenheit) in the WTC towers (for example, see NCSTAR 1, Figure 6-36).

Now we have the "pulverizing into dust" comment. From a strictly factual point of view, using no exaggeration or other techniques inappropriate for a factual documentary, this sentence says:

- a) 110 stories hurtled earthwards; and
- b) they pulverized into dust.

This is demonstrably false. The following is a dust sample taken from Ground Zero.
<http://www.janegalt.net/blog/archives/004194.html>

Microscopic analysis of WTC dust by Nicholas Petraco, BS, MS, DABC, FAAFS, FNYMS at The New York Microscopic Society lecture held at AMNH 28 May 2003

- 45.1% Fiberglass, rock wool (insulation, fireproofing)
- 31.8% Plaster (gypsum), concrete products (calcium sulfate, selenite, muscodite)
- 7.1% Charred wood and debris
 - 2.1% Paper fibers
 - 2.1% Mica flakes
- 2.0% Ceiling tiles (fiberglass component)
 - 2.0% Synthetic fibers
 - 1.4% Glass fragments
 - 1.3% Human remains
 - 1.4% Natural fibers
- trace asbestos (it became illegal to use during the construction of the WTC)

Other trace elements: aluminum, paint pigments, blood, hair, glass wool with resin, and prescription drugs were found.

If the towers had indeed “pulverized”, the above dust sample would contain high amounts of steel particles. Although some elements of the towers did pulverize, we can see that they are mostly comprised of fragile products such as insulation and fireproofing.

Something more important that we can take from this dust analysis is the absence of explosive products. If the towers were brought down in a controlled demolition of any sort, we would expect to see traces of nitro-glycerin and TNT.

Section 2.2.2

3:35 The myth bled into the FEMA report ... and was **echoed by the experts**.

This would include (but is not limited to):

<http://wtc.nist.gov/pi/>

Shyam Sunder
William Grosshandler
H.S. Lew
Richard Bukowski
Fahim Sadek
Frank Gayle (MSEL)
Richard Gann
John Gross
Therese McAllister
Jason Averill
Randy Lawson
Harold E. Nelson
Stephen Cauffman
Valentine Junker
Vincent Dunn
John Hodgens
Kevin Malley

Debunking911.com also has a good list, which can be found here:

<http://www.debunking911.com/paper.htm>

That is a lot of **experts** (on the debunking911 page) who agree with the official story. Perhaps 9/11 Mysteries should have considered why the experts echoed the official story.

Section 2.2.3

3:55 **John Skilling and Les E. Robertson were the structural engineers who designed the streamlined steel frames of the Twin Towers** in the 1960s. Because a wayward army bomber flew into the Empire State Building in 1945, the towers were **built with skyscraper crashes in mind**.

We feel that it is necessary to point out that Les E. Robertson does not disagree with the official story. In fact, Les Robertson has even gone to the extent of debating 9/11 conspiracy theorist, Steven Jones. You can listen to the audio of this debate at the link below.

http://www.911podcasts.com/files/audio/StevenJones_LeslieRobertson_20061026.mp3

9/11 Mysteries does make an effort to point out that the plane the buildings were built to withstand was a 707, and not a 767. However, they seem to miss why this is significant.

Section 2.2.4

4:36 Official Story narrator “But the aircraft that hit the towers was a Boeing 767, heavier than a 707, **fueled for a transcontinental flight** and traveling fast.”

4:48 **707s and 767s are comparable.** The maximum take-off weight of a fully loaded 707 is almost 334,000 pounds. As airplanes only carry the fuel load they need, **the smaller-model 767s that struck the towers were not, in actuality, maximally fueled** OR close to their maximum take-off weight.

For starters, 707s and 767s are only comparable in some aspects. The 767, however, is 20% larger than the 707.

NIST states this in their FAQ:

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“The damage from the impact of a Boeing 767 aircraft (which is about 20 percent bigger than a Boeing 707) into each tower is well documented in NCSTAR 1-2. The massive damage was caused by the large mass of the aircraft, their high speed and momentum, which severed the relatively light steel of the exterior columns on the impact floors. ”

9/11 Mysteries tells us that the 767s that struck the World Trade Center buildings were a “smaller model” airplane. This is not true.

<http://www.airliners.net/info/stats.main?id=87>

707: Wingspan of 145ft, Length of 152ft, Height of 42ft

<http://flyaow.com/planes/767aircraftspecifications.htm>

767: Wingspan of 156ft, Length of 159ft, Height of 52ft

Therefore, we know that a 767 is, in actuality, larger than the 707. But what about speed?

The modeled aircraft weighed 263,000 lb (119 metric tons) with a flight speed of 180 mph (290 km/h), as in approach and landing. This was much slower than the actual impacts of 9/11, which were 490 mph and 550 mph respectively. As energy increases with the square of speed, the 767s that hit the towers had a kinetic energy more than seven times greater than the modeled impact.

More information on the modeled airplane can be found at:

http://www.fema.gov/pdf/library/fema403_ch1.pdf

There has been some recent speculation that the modeled plane impact was actually 600mph as opposed to 180mph. This is what the NIST report had to say about this issue.

<http://wtc.nist.gov>

“A Port Authority document indicated that the impact of a Boeing 707 aircraft flying at 600 mph was analyzed during the design stage of the WTC towers. However, the investigators were unable to locate any documentation of the criteria and method used in the impact analysis and were thus unable to verify the assertion that “...such collision would result in only local damage which could not cause collapse or substantial damage to the building and would not endanger the lives and safety of occupants not in the immediate area of impact.”

There is no documentation explaining the results. Furthermore, NIST also said this about the 600mph figure:

http://wtc.nist.gov/NFPA_Presentation_on_WTC.pdf

“NIST found no documentary evidence
of any analysis supporting this conclusion.”

We can observe another straw man argument in this section of the film when the narrator, Sofia, states that the 767s that hit the towers “were not, in actuality, maximally fuelled”. She does this despite the fact that the person who represents the official story, who spoke just before her, says that the planes were “fuelled for transcontinental flight”.

How does she get “maximally fueled” out of that? In fact, the official story states that the planes had approximately 10,000 gallons of fuel on board.

http://www.9-11commission.gov/report/911Report_Exec.htm

“An airliner traveling at hundreds of miles per hour and carrying some 10,000 gallons of jet fuel plowed into the North Tower of the World Trade Center in Lower Manhattan.”

We also know that a 767’s maximum fuel load is close to 24,000 gallons.

http://www.boeing.com/commercial/767family/pf/pf_200prod.html

No one ever said the 767s were maximally fuelled.

Section 2.2.5

5:13 As for the heat of the fires, listen to the radio communications of these New York City firemen:

5:20 Firefighter: “Ladder One-Five, we’ve got two isolated pockets of fire. We should be able to knock it down with two lines. Radio that, 78th floor -- we’ve got two isolated pockets of fire...”

5:32 **Isolated pockets of fire. “Two water lines” to knock them down.**

What 9/11 Mysteries has failed to do here is distinguish between the fires on the 78th floor, and the fires in the rest of the building.

This heroic firefighter, Orio J. Palmer, was undoubtedly correct in saying that there were only two isolated pockets of fire on the 78th floor. This actually fits with the NIST WTC Fire Recreation report. As we can see, there are only two isolated pockets of fire on the 78th floor.

Image - > http://www.911myths.com/assets/images/db_images/db_Floor781.jpg

Now let's look at some other floors. Such as the 82nd and 83rd floors of Tower 2 (the tower Palmer was in).

Image -> http://www.911myths.com/assets/images/db_images/db_Floor821.jpg

Image -> http://www.911myths.com/assets/images/db_images/db_Floor831.jpg

9/11 Mysteries implies that **all of** the fires could have been taken down with two lines and were, therefore, not as large as we are led to believe. That would be taking Mr Palmer's quote out of context. He said it would take two lines to knock down the pockets of fire on the 78th floor. As we can see, much more would have been needed for the higher floors of the impact zone. To assume that the bulk of the fires was located on the lowest section of the impact point is just ignorant.

Section 2.2.6

5:38 FEMA's Executive Summary relays that much of the fuel in the planes (jet-grade kerosene) was consumed by the initial fireballs and the following few minutes of fire.

5:51 It then tells us that the burning jet fuel spread between floors and ignited the buildings' contents, causing more fire and generating heat. This was somehow enough to bring down the towers' 47-column steel core, 236 exterior columns and thousands of steel trusses **all at the same time**.

"All at the same time"? That would imply that the core fell at the same speed as the rest of the building and that every floor collapsed at the same time. This, clearly, was not the case.

Image -> http://images.911mysteriesguide.com/themyth_01.jpg

Image -> http://images.911mysteriesguide.com/themyth_02.jpg

Image -> http://images.911mysteriesguide.com/themyth_03.jpg

Video -> <http://www.youtube.com/watch?v=o4u9i62bMXQ>

Video -> <http://www.youtube.com/watch?v=4n8xgwHBLYY>

It is obvious that the core took at least 15 seconds longer than the rest of the tower to fall.

Therefore, using this analysis, we can conclude that the 47-column steel core, the 236 exterior columns and the thousands of steel trusses did not fall "all at the same time".

Section 2.2.7

6:15 Watch the towers smoking in the aftermath of the plane strikes.

6:20 If you have ever tried to light a **wood fire**, you will know that smoking logs tell you the fire is NOT burning successfully. **Smoke is the sign of an oxygen-starved fire**. The Twin Towers stood for over an hour, smouldering but not flaming. During that time, thousands of people were evacuated by way of the stairwells.

At the outset, I would like to point out that the World Trade Center fires were not a 'wood fire'. The reason as to why 9/11 Mysteries compares them to a wood fire is beyond us. We thought that we should clear that up for anyone who is may be unaware of that fact.

There is no rule that says "black smoke = oxygen starved fire". Sure, in some cases (such as a wood fire) this may be the case. However, in the World Trade Center, there was far more than wood burning. There were plastic products (computers), paper, carpet, desks, jet fuel and other items that you would expect to see in an office building, and they were all burning. The equation that 9/11 Mysteries presents to us is highly simplistic and fails to take into account what was actually be burning in the towers.

Take, for example, this quote from a Health and Safety paper.

http://www.hse.gov.uk/research/hsl_pdf/2004/hsl0414.pdf

"Large fires involving plastics produce copious quantities of black smoke, such smoke is likely to be more toxic than smoke from a fire involving wood, and would render escape and fire fighting very difficult."

Furthermore, an experienced Fire Investigator John J Lentini tells us that smoke color means absolutely nothing.

<http://www.atslab.com/fire/PDF/IndicatorsOfTrouble.pdf>

“While it is true that flammable liquids produce black smoke, so does any petroleum-based product. The color of the initial flame and smoke might have been important in the 1940s and 1950s when our furniture was made of cotton and wood, but most furniture today is made of nylon, polyester, and polyurethane. Even wood fires, deprived of oxygen, will produce black smoke. According to NFPA 921, Paragraph 3.6:

“Smoke color is not necessarily an indicator of what is burning. While wood smoke from a well ventilated or fuel controlled wood fire is light colored or gray, the same fuel under low-oxygen conditions, or ventilation-controlled conditions in a post-flashover fire can be quite dark or black. Black smoke can also be produced by the burning of other materials including most plastics or ignitable liquids.”

Light smoke may indicate that there are no petroleum products burning. Black smoke indicates nothing meaningful.”

So, there you have it: smoke color means nothing. In fact, the heat of the fire itself can also determine the smoke color.

<http://www.slate.com/id/2145891/>

“The type of fuel and how hot it's burning. In general, a hotter fire will convert more fuel into elemental carbon, which forms into tiny particles that absorb light and appear in the sky as black smoke.”

Again, there is no scientific law that “black smoke = oxygen starved fire”. This also applies to “lots of smoke = oxygen starved fire”. Here are some open-air fires that show black smoke in oxygen rich environments.

Image -> <http://www.911myths.com/assets/images/BlackSmoke1.jpg>

Image -> <http://www.911myths.com/assets/images/BlackSmoke2.jpg>

Section 2.2.8

6:51 In fact, **the towers did what they were built to do.**

6:55 Frank A. De Martini: **“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.”**

No disrespect intended, but the late Mr De Martini's analogy is clearly a little simplistic. It does not take into account the fact that, unlike a screen door, the Twin Towers were not suspended in a frame and they were not as flexible as netting.

There are a lot more reasons we could expand into but we do not feel it is worth the time. If you cannot see why the World Trade Center buildings and screen netting are not literally comparable – we are sorry, but that is your own problem.

Section 2.2.9

7:33 The towers were built to withstand 140-mile-an-hour gusts produced by winter storms. Anyone in them on a windy day could feel them swaying. **The single impact of a jetliner was no more of a blow than the continued battering of a hurricane.**

Wrong.

The wind force placed on the towers during a hurricane would have been dispersed over the entire outer faces of the building. More important is the speed differentiation between the jet impacts and that of a hurricane.

Category five (highest category) hurricanes travel no faster than 250 mph (and that is also rather generous).

<http://hypertextbook.com/facts/StephanieStern.shtml>

“Winds in some stronger storms may exceed 200 mph.”

The jet impacts on 9/11 were focused into a small area of the building. This caused **internal and external** damage. This included severing critical core columns and igniting fires within the building. Several perimeter columns were also removed by the plane impacts.

The speeds of impact on 9/11 were 490 mph for WTC1 and 590 mph for WTC2. Hardly comparable to a 200mph wind gust dispersed over the entire building.

Section 2.2.10

8:05 New Yorkers were stunned, one hour later, when the first tower fell.

8:13 Les E. Robertson: “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...”

8:27 Imagine – **building expressly for airplane impact, but never thinking of the fuel.**

Throughout 9/11 Mysteries, we are constantly reminded how “jet fuel could not have brought down the towers”, and “fires could not have blown beams this far” etc.

By the standards of 9/11 Mysteries, the towers were practically immune to fire and burning kerosene. 9/11 Mysteries’ assertion that “jet fuel could not bring the towers down” should mean that the fact that jet fuel was not considered should not matter at all. Why do the creators suddenly care about jet fuel then? 9/11 Mysteries leads us to believe the jet fuel was harmless, and now this? This is one of the first contradictions we see in 9/11 Mysteries. It shows us how the creators must know that fire and jet fuel can have horrible effects on steel structures, but still claim that jet fuel could not have brought the towers down.

2.3 Steel Buildings

Section 2.3.1

8:41 **Never before in the history of the world has a steel building collapsed due to fire.**

8:50 Jonathan R. Barnett, Ph.D.: "I have not seen until recently a protected steel structure that has collapsed in a fire."

8:54 **True infernos have raged hot and long in steel-framed buildings, but not one of the buildings ever came down.**

I will counter that with a similar statement. Never before in the history of the world has a building had a 767 airliner slammed into it at 490mph.

Never before in the history of the world has a building had a 110-story building fall onto it creating a 20-story hole in the lower section of the building, along with a subsequent seven hours of fire. This applies to WTC7, which 9/11 Mysteries discusses later in the film.

The statement that no steel building has ever collapsed due to fire is deceptive because it fails to take into account the several other factors that contributed to the collapse of all three World Trade Center buildings that collapsed on 9/11.

Regardless, the simple fact here is that many steel framed buildings have collapsed due to fire. Why 9/11 Mysteries tells us that none have is beyond us. Take, for example, the fire at the McCormick Place exhibition hall in Chicago.

<http://www.wconline.com/CDA/Archive/24ae78779d768010VgnVCM100000f932a>

"As an example of the damaging effect of fire on steel, in 1967, the original heavy steel-constructed McCormick Place exhibition hall in Chicago collapsed only 30 minutes after the start of a small electrical fire."

http://www.chipublib.org/004chicago/disasters/mccormick_fire.html

"The unprotected steel roof trusses failed early on in the fire"

http://www.iaei.org/subscriber/magazine/02_d/berhinig.htm

"The McCormick Place fire "is significant because it illustrates the fact that steel-frame buildings can collapse as a result of exposure to fire. This is true for all types of construction materials, not only steel." wrote Robert Berhinig, associate manager of UL's Fire Protection Division and a registered professional engineer."

More from interfire.org:
www.interfire.org/res_file/pdf/Tr-097.pdf

“From the FEMA report of the Sight and Sound theater fire.

On the morning of January 28, 1997, in the Lancaster County, Pennsylvania township of Strasburg, a fire caused the collapse of the state-of-the-art, seven year old Sight and Sound Theater and resulted in structural damage to most of the connecting buildings.
The theater was a total loss, valued at over \$15 million.

pg 6/74

The theater was built of steel rigid frame construction to allow for the large open space of the auditorium, unobstructed by columns... The interior finish in the auditorium was drywall.”

So, as you can see the World Trade Center buildings were **not** the first steel buildings to collapse due to fire.

Thanks to Debunking911.com for the great article on this issue.
<http://www.debunking911.com/firsttime.htm>

Section 2.3.2

9:07 In 1975, the World Trade Center’s North Tower suffered a nighttime fire that flamed for three hours, **spreading vertically from floor to floor. It burned twice as long as the fires of 9/11, without even a hint of a building collapse.**

Only the 11th floor sustained significant fire damage in the 1975 North Tower fire.

True, the fire did climb floors, but it never left the concrete-enclosed cable shaft on the other floors.

Moreover, firefighters had full access to the fire. In contrast, firefighters were unable to fight the fires in WTC1, WTC2 and WTC7 on 9/11.

In 1975, the building was not hit by an airliner at 490 mph – 590 mph and, therefore, did not have resulting structural damage to load-bearing columns and beams.

Finally, the fire was not fueled by an accelerant such as the 10,000 gallons of jet fuel that escaped each airliner on 9/11. Although some of this exploded into the fireballs, there was still fuel left in the buildings to burn and spread fire.

Section 2.3.3

9:20 In February 2005, the Windsor Tower in Madrid, a skyscraper undergoing reconstruction, sustained a 20-hour fire. This is what was left -- a standing building strong enough to support a crane.

9:40 Compare a 20-hour inferno to **90 minutes of smoke**.

As I indicated before, the “90 minutes of smoke” theory in 9/11 Mysteries is baseless and flawed. For more, please see Section 2.2.7 of the 9/11 Mysteries Viewer’s Guide, or the section of the 9/11 Mysteries Viewer’s Guide website that deals with the chapter of 9/11 Mysteries, “The Myth”.

Now, for the Windsor Tower. The Windsor Tower differed completely from the construction of any of the World Trade Center towers.

<http://www.concretecentre.com/main.asp?page=1095>

“The building totalled 32 storeys, with 29 floors above ground and three below. A concrete core and concrete frame supported the first 16 floors. Above that was a central support system of concrete columns, supporting concrete floors with steel perimeter columns. An additional feature was the presence of two ‘technical floors’ - concrete floors designed to give the building more strength. One was just above the ground level and the other at the 17th floor.”

From this, we can see that the Windsor Tower had no reliance on steel frames. The World Trade Center did. The core of the Windsor Tower was mostly concrete. Moreover, a large number of the steel elements in the Windsor Tower did fail.

<http://www.concretecentre.com/main.asp?page=1095>

“The steel columns above the 17th floor suffered complete collapse, partially coming to rest on the upper technical floor.”

Photographic records of the Windsor Tower fire clearly show where the steel failed exposing the concrete sections of the building.

Image -> <http://www.concretecentre.com/images/casestudy/madridwindsortower04.jpg>

Image -> <http://www.concretecentre.com/images/casestudy/madridwindsortower05.jpg>

In summary, the Windsor Tower fire shows us:

- Steel columns will fail in a fire.
- Concrete is more fire resistant than steel.

Considering the huge differences in building design and the results of the fire, we fail to see how the Madrid Windsor fire does anything for the case that 9/11 Mysteries is presenting other than damage it.

Section 2.3.4

9:52 Why are buildings made of steel? Strong, light and flexible, steel frames offer many advantages over wood and concrete, especially where skyscrapers are concerned. Steel makes big buildings relatively light, with tremendous load-bearing capacity. The upper floors won't crush the floors beneath them, and **steel holds up better to weather and fire.**

The assertion that steel holds up better to fire is not backed up with evidence by 9/11 Mysteries. In fact, let's use the Madrid Windsor Tower again.

<http://www.concretecentre.com/main.asp?page=1095>

"This case study is an example of the excellent performance of a concrete frame designed using traditional methods and subjected to an intense fire. It also highlights the risks when active fire protection measures fail or are not included in steel frame construction."

Furthermore, an article named "Concrete vs. Steel" shows us that concrete offers advantages over steel in terms of fire and explosions.

<http://www.buildings.com/Articles/detailBuildings.asp?ArticleID=2511>

"Cast-in-place reinforced concrete offers outstanding resistance to explosion and/or impact. Moreover, it can endure very high temperatures from fire for a long time without loss of structural integrity," says Alfred G. Gerosa, president, Concrete Alliance Inc., New York City. Concrete requires no additional fireproofing treatments to meet stringent fire codes, and performs well during both natural and manmade disasters."

Let's also consider the development of the newly re-built World Trade Center 7 building. The new WTC7 was built with a concrete core as opposed to a steel core. This was done specifically so that the building can withstand fire and explosions. So, if steel holds up better to fire, why use a concrete core in the new WTC7?

2.4 WTC Design and Construction

Section 2.4.1

11:28 The story we were told: This rock-like steel grid gave way because fire warped the trusses, causing the bolts to fail. **As the trusses sagged and fell, the floors dropped with them.**

It is important to note here how simplistic this explanation is. NIST words this far better in their FAQ regarding the WTC investigation.

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“Based on this comprehensive investigation, NIST concluded that the WTC towers collapsed because: (1) the impact of the planes severed and damaged support columns, dislodged fireproofing insulation coating the steel floor trusses and steel columns, and widely dispersed jet fuel over multiple floors; and (2) the subsequent unusually large jet-fuel ignited multi-floor fires (which reached temperatures as high as 1,000 degrees Celsius) significantly weakened the floors and columns with dislodged fireproofing to the point where floors sagged and pulled inward on the perimeter columns. This led to the inward bowing of the perimeter columns and failure of the south face of WTC 1 and the east face of WTC 2, initiating the collapse of each of the towers. Both photographic and video evidence—as well as accounts from the New York Police Department aviation unit during a half-hour period prior to collapse—support this sequence for each tower.”

The collapse initiation was not a 'pancake' style collapse. The collapse was not initiated by a single floor failing, causing a chain reaction. Instead, all of the floors above the impact point on each tower all came down onto the lower structure at the same time.

Section 2.4.2

11:42 In its 2002 documentary “Why the Towers Fell,” PBS creates a video model.

11:54 PBS Narrator: “Once the trusses failed, the floors they were holding cascade down with a force too great to be withstood. The result is what's called a *progressive collapse*, as each floor pancakes down on the one below.”

12:05 What remains standing? The tall, **indestructible core**. Why does PBS fail to explain the **complete disappearance of the Twin Towers' cores**?

12:20 Text: Where are the cores at Ground Zero?

“Indestructible core”? That is a bit much. To claim that the cores are indestructible and then state (in the next sentence) that they disappeared is rather odd.

Consider the following images. This is where the cores at Ground Zero are.

Image -> http://images.911mysteriesguide.com/mini-core_image1.jpg

Image -> http://images.911mysteriesguide.com/mini-core_image2.jpg

Image -> http://images.911mysteriesguide.com/mini-core_image3.jpg

Image -> http://images.911mysteriesguide.com/mini-core_image4.jpg

Image -> http://images.911mysteriesguide.com/mini-core_image5.jpg

Image -> http://images.911mysteriesguide.com/mini-core_image6.jpg

9/11 Mysteries itself even shows us a photo of the core columns at both this point of the movie and a later point of the movie.

I think it is important that the viewers here actually read the official accounts of the collapse of the World Trade Center towers. Looking to PBS as an official investigation is nothing short of stupid on the part of the creators of 9/11 Mysteries.

As noted above, the cores stood long after the rest of the buildings came down. Let me refresh your memory.

Video -> <http://www.youtube.com/watch?v=vaysznxCBzA>

Video -> <http://www.youtube.com/watch?v=o4u9i62bMXQ>

Video -> <http://www.youtube.com/watch?v=YqGJRZF3mBs>

Image -> http://images.911mysteriesguide.com/mini-core_image7.jpg

Section 2.4.3

12:20 **The official story's central thesis is based on heat -- temperatures high enough to weaken steel. But people in the towers did not report such heat. Think about it -- neither steel, concrete, nor glass can burn. So what, in those buildings, could have burned to make such heat?**

Again, the NIST FAQ answers this question. If the creators of 9/11 Mysteries had even read the FAQ of the NIST report, they would know this. It is understandable if you cannot read all 10,000 pages of the report due to time restrictions or work load, etc. But the fact that even the small FAQ summary of this report explains this shows us that critical steps of the research phase were skipped or ignored by 9/11 Mysteries.

"Normal building fires and hydrocarbon (e.g., jet fuel) fires generate temperatures up to about 1,100 degrees Celsius (2,000 degrees Fahrenheit). NIST reported maximum upper layer air temperatures of about 1,000 degrees Celsius (1,800 degrees Fahrenheit) in the WTC towers (for example, see NCSTAR 1, Figure 6-36)."

9/11 Mysteries questions why people inside the buildings did not report heat that was hot enough to weaken steel. Did they honestly expect people who were exposed to 1800°F to live to tell us about it? Of course, they wouldn't. Those who were exposed to the fires at the World Trade Center died a horrible death.

Our final note here is related to the “neither steel, concrete, nor glass can burn” comment. What needs to be understood here is that the World Trade Center buildings did not consist solely of these materials. The building was a computerized, modern office building containing desks, chairs, papers, carpets, curtains, computers and similar items that you would normally find in an office building. That is not even taking into account the contents of the plane such as jet fuel and the materials on the plane. There were plenty of different materials in the World Trade Center buildings with the potential to combust.

Section 2.4.4

12:43 How do these firefighters describe the collapse of the North Tower?

12:52 Firefighter 1: “We started running... Floor by floor, it started popping out...”

Firefighter 2: “It was **as if** they had detonators.”

Firefighter 1: “Yeah, detonators, yeah...”

Firefighter 2: “**As if** they planned to take down a building. Boom, boom, boom, boom, boom!”

Firefighter 1: “All the way down. I was watching it and running.”

Notice that before every description cited above, there are the words “**as if**”. Don't you think that if these heroic firefighters actually thought that detonators were going off in the building, they would have said so?

This is what is known as a simile. It indicates that a similar effect was created by something that **was not** actually detonators. The definition of simile is:

simile

noun a figure of speech that expresses a resemblance between things of different kinds* (usually formed with 'like' or 'as')

* = Emphasis mine

More important to note are the actions that the NYFD **did not** take after 9/11. If so many firefighters are so sure that the buildings were brought down in controlled demolitions, why aren't they at Ground Zero demanding a new investigation? Why aren't they making themselves heard?

Similes should never be mistaken for literal statements.

Section 2.4.5

12:58 And others give similar descriptions:

13:06 News reporter: "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 -- and then a fire marshall came in and said we had to leave because if there was a third explosion, this building might not last."

We are still waiting for evidence that these sounds were actually explosions, let alone explosives.

People can use words like "explosion" or "bomb" to describe what they heard whilst in, or near, the World Trade Center. There is no absolute rule that states that "loud noise = explosion". It is not that simple.

First, you have to prove that these noises were actually explosions. What causes them does not matter at this point. However, once you have proved that the noises people heard were actually explosions, you would then have to prove that they were caused by explosive devices. 9/11 Mysteries fails to do either of these two things.

Please keep in mind that the comments made in reference to "explosion sounds" in this guide are directed at the makers of "9/11 Mysteries" and not at the people making the comments themselves.

Section 2.4.6

13:23 Man in a hospital bed: "...like, **it sounded like gunfire**. You know -- bang, bang, bang, bang, bang! And then all of the sudden three big explosions..."

Consider this:

<http://tinyurl.com/ma5se>

"After receiving first aid, she was put in another car to go down to an ambulance. As the elevator doors closed, rescue workers heard what **sounded like a gunshot but what was, in fact, the snapping of elevator cables weakened by the crash**. The car with Oliver inside, now at the 75th floor, plunged to the sub-basement, a fall of over 1,000 feet."

The previous quote is regarding the 1945 crash of a B25 into the Empire State Building.

We can see from this that structural failure in certain sections of the building can sound like "gunshots" or "explosions". Please keep in mind that I am not for one minute saying that the noises that this man heard were actually elevator cables snapping.

Using a conspiracy theorist's logic, any loud noise heard in a building that has suffered structural damage must be an explosion. As we can see from researching the Empire State Building example, a dismissal of anything that disagrees with the "explosives" hypothesis is a logical fallacy because there are several alternate explanations available.

Section 2.4.7

13:29 **Man on street:** "...started walking down the stairs to the 8th floor -- big explosion -- blew us back into the 8th floor..."

13:33 **News reporter:** "Do you know if it was an explosion or if it was a building collapse?"

Police officer: "To me, it **sounded like** an explosion"

News reporter: "...but it was a huge explosion..."

Again, this police officer states that the building collapsing "sounded **like** an explosion" when he was asked if he thought that the building had collapsed or exploded. There is no evidence contained in this statement that this noise was an explosion. In fact, he is clearly talking about the moment the building's upper stories fell onto the static lower building. Regardless of this, 9/11 Mysteries has failed to prove that this noise was **literally** an explosion, let alone an explosive device.

The 10,000 page NIST report concluded that the building's collapse initiation was caused by the outer columns being pulled inwards by sagging trusses. It has been proved beyond reasonable doubt through the NIST investigation that explosives did not initiate the collapse of the Twin Towers. This video clearly shows the columns being pulled in before collapse.

Video -> <http://video.google.com.au/videoplay?docid=-540555553528290546>

This man heard something that sounded like an explosion. The falling upper section of the Towers is a far better explanation for this loud sound than an explosive device.

Section 2.4.8

13:44 Pat Dawson, NBC News: "**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 there were actually devices that were planted in the building.**"

This is a quote from Albert Turi.

<http://tinyurl.com/yy9cdg>

"The next thing I heard was Pete say what the [explicit deleted] is this? And as my eyes traveled up the building, and I was looking at the south tower, somewhere about halfway up, **my initial reaction was there was a secondary explosion**, and the entire floor area, a ring right around the building blew out. **I later realized that the building had started to collapse already and this was the air being compressed and that is the floor that let go.** And as my eyes traveled further up the building, I realized that this building was collapsing and I turned around and most everybody was ahead of me running for the garage, and I remember thinking I looked at this thing a little bit too long and I might not make this garage. But I did."

Albert Turi, like many other people who said they heard explosions on 9/11, has since come forward and explained what caused the noise he heard that he initially described as an explosion. 9/11 Mysteries appears to have ignored this.

Section 2.4.9

14:02 **Reports of bombs in the buildings**, explosions. A CBS reporter to Dan Rather:

14:16 Carol Marin, CBS News: "...but I was coming toward the World Trade Center looking for CBS crews, and asked a firefighter if he saw any. All of the sudden there was **a roll, an explosion**, and we could see coming at us a **ball of flame** stories high."

People described what sounded like bombs, but no one reported a bomb. Not one person actually claims to have seen a physical explosive device such as a bomb or a cutter charge in any part of the buildings before or during the events of 9/11. Not even the witness they show us after this commentary reports a bomb. She reports a roll, an explosion and a ball of flame. How do you get "bomb" out of that? Can you get "explosion" out of that? Maybe. That does not mean that a bomb caused this explosion.

9/11 Mysteries is not working very hard to convince us that bombs were planted in the building. Again, "explosion" does not equal "bomb".

Section 2.4.10

14:28 Listen to the **sound of a large explosion** right before the South Tower begins to fall.

14:46 Sound reaches us after what we see. If the "boom" we just heard was the sound of the building collapsing, it would FOLLOW the collapse. **Instead, the "boom" is heard before.**

Speculation. We are nearly at the 15-minute mark. So far, 1/5 of the film has been dedicated to "explosion sounds". Yet 9/11 Mysteries has not **proved** anything.

So, there were loud noises before the collapse and that is it? **9/11 Mysteries has not proved that this alleged explosion was actually an explosion rather than structural elements of the building failing pre-collapse.** There are alternate explanations to these sounds that are far more reasonable and convincing than explosive devices. Due to the fact that the burden of proof is on 9/11 Mysteries, and the fact that they have failed to prove anything - we have gained nothing from the past 4 minutes of footage.

4 minutes of speculation and no solid evidence.

Section 2.4.11

15:04 [voice of **Dylan Avery**:] "Ho, whoa, whoa -- bring it back..."

For those who do not know, Dylan Avery is the creator of the popular conspiracy film "Loose Change".

For rebuttals to this film, please see the following links.

<http://www.loosechangeguide.com>

<http://www.lolloosechange.co.nr>

<http://video.google.com.au/videoplay?docid=-7216643725166640147>

2.5 Facts About Steel

Section 2.5.1

17:12 You can fire up your **gas stove** all day long -- making soup, roasting a duck or simmering a stew. Made of steel, **your stove will not melt ... and nor will your pots and pans.**

17:25 This is a **kerosene heater**, designed for use in any ordinary house. The heater runs on jet-grade kerosene, contained in this tank. Made of steel, the heater can operate all night and all day. The kerosene fumes ignite and burn inside it, **never causing even the smallest part of this heater to weaken or melt.**

Cook tops do not produce heat anywhere near 2750°F. In fact, they all have temperature control. You can effectively control the temperature at which the flame will burn by regulating the mixture of gas and oxygen. Consider this.

<http://tinyurl.com/2gu848>

“Electrolux said that, by comparison, a **standard cooktop** can reach temperatures as high as **600°C (1,112°F).**”

As you can see, cook tops do not burn at 1200°F by default. You would have to turn it up to maximum temperature to create these kinds of temperatures. Of course, the steel is not going to melt, but it will lose strength.

At these temperatures, your steel pots and pans will lose 50% of their original strength. This is a scientific fact. Steel is weakened to 50% strength at 1200°F and to 10% at 1800°F. 9/11 Mysteries claims that pots and pans will not melt on your stove. We agree, but we also show you how this does nothing for their case.

The official story does not say, “steel melted... therefore, global collapse”. But regardless of this, 9/11 Mysteries argues against this very point in the form of “steel did not melt... therefore no global collapse”. A classic example of a straw man argument.

Now for the kerosene heater. Consider this.

<http://tinyurl.com/yhgqgq>

“The heater should be allowed to cool for a minimum of 15 minutes before refueling. The surface temperature of many of the heaters **can be as high as 500 ° F.**”

And that's for a kerosene heater, too. Obviously, the heater will not weaken or melt if it is only reaching 500°F. The **maximum** controlled burn temperature for kerosene is 1800°F. When the oxygen flow is regulated, lower temperatures can be achieved. There is no point in achieving the maximum controlled burn temperature for use in a heater. Those kinds of temperatures are too excessive for heating a room.

Section 2.5.2

17:49 Yet we were led to believe that these tremendous buildings, framed in steel and surfaced in aluminum, totally collapsed from **small, scattered fires** and **90 minutes of smoke**. Take note of these **hurtling beams**, thrown laterally outward as the tower comes to earth. **Would fire have the strength to eject such huge hunks of metal?**

To see our take on “small, scattered fires” and “90 minutes of smoke”, please see the chapter of this guide that debunks the 9/11 Mysteries chapter, “The Myth” (specifically sections 2.2.5, 2.2.7).

There is some incorrect information here. These are not hurtling “beams”. They are the outer perimeter columns. Beams are horizontal, columns are vertical. The columns were “ejected”, not the beams.

Here we can see another straw man argument. The official story **never** claims that fire alone brought down the Twin Towers. However, 9/11 Mysteries decides to make that claim for them. The fire was one factor among many other factors. These factors include the obvious structural damage caused by the impacts and the impacts themselves, which caused removal of the Twin Towers’ fireproofing systems.

9/11 Mysteries assumes that the official story blames the fire for these “ejections”. In actuality, the **collapse** caused this to happen. The assumption that anyone thinks fire created the force necessary to do this is insulting at best.

At the start of the collapse of the North Tower, 12 floors fell onto the lower section of the building. At the start of the collapse of the South Tower, 28 floors fell onto the lower section of the building. This would obviously have far more of an effect than fire. 9/11 Mysteries fails to take into account the actual collapse, and blames the “ejecting” columns on the cause of the collapse instead.

This means that 9/11 Mysteries is blaming the physical result of the event on the cause of the event as opposed to blaming the physical result of the event on the event itself. This is a logical fallacy.

Section 2.5.3

18:12 MIT engineering professor **Thomas Eagar’s 2001 paper** is **officially considered the academic standard for explaining the World Trade Center collapses**. In it he tells us that steel loses half its strength at 650 degrees Celsius, and that the fires that day did not get much hotter than this. He stresses, however, that the fires did not burn evenly.

Thomas Eagar’s 2001 preliminary paper is not “officially” anything. The NIST report along with the 9/11 Commission report are the **official** investigations into 9/11. They are the result of years of extensive study and scientific testing (NIST). The NIST report is the “academic standard for explaining the World Trade Center Collapses”. Again, we are not saying that Mr. Eagar is wrong. We are simply pointing out that 9/11 Mysteries is arguing against unofficial reports and claiming that they are official investigations into 9/11.

Section 2.5.4

19:16 In plain language, straight from MIT:

(bulleted text)

Fires not hot enough to melt steel

Nevertheless, hot enough to weaken the steel to 50% of its original strength.
No one said the steel melted. No steel needed to melt for the buildings to collapse.

Section 2.5.5

19:16 In plain language, straight from MIT:

(bulleted text)

Uneven fires deformed some of the steel

This is simplistic, to say the least. Uneven fires deformed some of the steel, true. However, 9/11 Mysteries fails to acknowledge that the steel that was weakened was located in key structural areas, such as the floor supporting trusses connected to the perimeter columns.

Section 2.5.6

Some floors fell – smashing the entire building

Again, 9/11 Mysteries has over-simplified the argument. Some floors means 12 floors for WTC1 and 28 floors for WTC2. 9/11 Mysteries fails to note this and instead leaves the number of floors up for speculation.

Section 2.5.7

19:16 In plain language, straight from MIT:

(bulleted text)

Dr. Eagar ... what happened to the core?

The core was explained in previous sections of this rebuttal. See the chapter of this guide that rebuts “The Myth” section of 9/11 Mysteries (specifically section 2.2.6).

Section 2.5.8

19:41 **What do falling buildings look like?**

19:46 **What do demolitions look like?**

In this section of 9/11 Mysteries, we are shown examples of buildings that have fallen. It is interesting to note that none of these buildings has met any of the conditions that any of the three World Trade Center buildings experienced. No fire, no airliner or falling building colliding with them and clearly different in design.

Their question is worded incorrectly. It should be:

“What do skyscrapers that have fallen from the top down due to an airliner colliding with them at 490 mph, accompanied by ensuing fires and structural failure at the point of impact look like?”

Or, for WTC7:

“What do skyscrapers that have fallen after the bottom 20 stories were severely damaged by the collapse of a 110 story building next door, accompanied by ensuing fires that raged for 6 hours (unfought) look like?”

We listed WTC7 despite the fact that the collapse demonstrates none of the traits of a controlled demolition, such as puffs of smoke, bangs, flashes, loud noises etc.

If you cannot see what we are getting at, we will make it simple. There has never been an event similar to 9/11 in the history of the world. No building has ever been exposed to similar conditions.

Section 2.5.9

19:56 We are seeing typical implosions, characterized by gutting a building's base and then pulling it into itself. Computer-controlled sequencing fires the explosives in a rapid wave. Notice the jets of shooting concrete, the flashes, the pops ... the caving of the buildings as they **fall into their footprint** ... the tremendous, **billowing clouds of dust**.

20:31 **Now let's look at the collapse of the Twin Towers:**

We will deal with the “footprint” quote later on in another section of the film. It is insignificant at this stage.

As for the “billowing clouds of dust”, this is a result of the collapse itself. Regardless of how the building is brought down, this effect would be present. What should be noted is that this section is a direct contradiction to the upcoming section of the film, “Pyroclastic Surges”. Later on in the film, we are told that these “clouds of dust” are, in fact, clouds of 100°C – 800°C hot ash exclusive to controlled demolition and volcanoes. Yet camera equipment is able to operate in these conditions? Keep this in mind for “Pyroclastic Surges”.

What should be noted here is that you should actually watch 9/11 Mysteries whilst viewing this segment of the guide. It is important to note that none of the examples of controlled demolition shown in 9/11 Mysteries looks anything like the events of 9/11. Controlled demolition causes obvious structural failure at every point of the building before collapse. Yet we do not see this with any of the WTC buildings. Along with this, the towers are clearly not collapsing into their footprint. In fact, 9/11 Mysteries itself even has a segment on the widespread damage - another contradiction.

More on the “footprint” issue in other segments of the guide (specifically sections 2.2.11 to 2.2.14)

Section 2.5.10

20:44 **We are seeing *explosions*, rather than implosions -- a first in demolition history.** A sequenced rumble becomes a roar **as debris is thrown outward.**

This sentence is literally filled with contradictions.

First, let us deal with Explosions vs. Implosions. We can show two occasions that 9/11 Mysteries claims that the buildings imploded.

<http://www.911weknow.com/images/stories/documents/narratorsript.pdf>

“Elements of the myth: the impact of the airplanes, gallons of burning jet fuel, steel melting, the buildings failing and suddenly **implosioning**.”

The previous quote was in the chapter, “The Myth”. Other examples are found later in the film:

<http://www.911weknow.com/images/stories/documents/narratorsript.pdf>

“37:00 Shattering from the top, engulfed by banana-peel plumes, these were no ordinary **implosions**.”

“ 39:57 The rising gas chimney is clearly visible in this photo of the North Tower **implosion**, with Pyroclastic flows between buildings.”

“39:57 Here, the South Tower **implosion** creates a Pyroclastic surge, moving out over the Hudson River.”

First, we are told the building was imploded and now the building is exploding? And later it is back to imploding again?

First, the buildings came down into their own footprint, now they are being thrown outward? So much for consistency.

Another quote we will deal with is “a first in demolition history”. If this were a first in demolition history, it would make this alleged demolition **unique and different**. Why then, is 9/11 Mysteries comparing this alleged demolition to past demolitions?

Section 2.5.11

20:59 **The damage is not contained.** Even the windows are blown from neighborhood buildings.

21:07 **What kind of energy enabled this? Would fire hurl metal and concrete sideways into the air?**

In a controlled demolition, the damage **is** contained. Again, this is a contradiction of 9/11 Mysteries past and future “footprint” comments.

9/11 Mysteries shows us a photo of debris being thrown outward. What they fail to note is that this metal is merely the aluminum facades that coated the steel, and not the steel itself. They also claim that the entire tower's concrete was “pulverized” in several sections of the film. Why then, is it in a solid state here?

These aluminum facades are much lighter in weight than steel. Therefore, the force required to eject them is much less than for columns of steel.

Again, 9/11 Mysteries assumes that the official story blames the fire for these “ejections”. In actuality, the **collapse** caused this to happen.

At the start of the collapse of the North Tower, 12 floors fell onto the lower section of the building. At the start of the collapse of the South Tower, 28 floors fell onto the lower section of the building. This would obviously have far more of an effect than fire. 9/11 Mysteries fails to take into account the actual collapse, and blames the “ejecting” columns on the fire instead.

Section 2.5.12

21:15 Here, a **600,000-pound chunk of steel (twice the weight of a Boeing airliner)** was flung 400 feet, wedging itself deep into Three World Financial Center on Vesey Street.

Let's do some math.

World Trade Center buildings 1 and 2 used 100,000 tons of steel each.

<http://www.infoplease.com/spot/wtc1.html>

When we convert 100,000 tons to pounds, we get a figure of 200,000,000 pounds of steel per tower. If we then divide that figure by 110 (number of floors), we get 1,818,181.81 pounds of steel per floor. This means that 600,000 pounds of steel would be roughly 1/3 of the steel required for one entire floor. Does that really look like 1/3 of an entire floor? That would be 1/3 of all the steel from the core on that floor, 1/3 of all the supporting trusses on that floor and 1/3 of the outer perimeter columns. Granted, there was also steel on the roof and in the basements of each tower. However, this would not have much effect on our approximate figure since only minimal amounts of steel were used in the basements and on the top of the towers compared to the rest of the building.

Image -> http://www.911myths.com/assets/images/WFC3_close.jpg

Please note that a mistake was made in “Screw 9/11 Mysteries” in this section. Originally, we were under the impression that there was 200,000 tons of steel **per tower**. This was wrong, and the result of the calculation was, because of this correction, doubled. This means that instead of 1/6 of an entire floor, the figure now stands at 1/3. Not only does the point still stand, but it is now much stronger. There is not 1/3 of the steel from an entire floor of WTC1 or WTC2 wedged in the World Financial Center.

Section 2.5.13

21:31 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?**

Quite simply, the building collapsing.

Throughout the film, 9/11 Mysteries claims that a mix of thermite and demolition charges brought down all the buildings that collapsed that day.

For starters, thermite is not an explosive. Secondly, demolition cutter charges are designed to cut steel. They are not designed to “hurl” pieces of buildings across 300 feet. For this to have been caused by explosives, extremely high-powered explosives would need to be used in huge amounts.

We are talking about explosives bigger than truck bombs. An explosive with the force of 12-28 stories of steel collapsing would be needed for us to assume that explosives had a greater chance of causing this “ejection” effect than the building collapsing.

These devices would be so large that they could simply not be hidden in an office building without anybody noticing.

Section 2.5.14

21:51 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.

22:09 First New Yorker: “And **how in God’s name did those fragments get there?**”

22:14 Second New Yorker: “It surprised me that there was still bone fragments -- or human remains -- that **had not been discovered.**”

22:17 Third New Yorker: “How is it possible that **after five years they are finally looking on the rooftop of the Deutsche building?** I mean, that’s crazy.”

22:22 And bone fragments less than a centimeter long. **How could they be so SMALL?**

Please note that our comments are not directed at these New Yorkers. They are directed at the creators of 9/11 Mysteries who use these people as a proxy to ask the questions themselves.

The same applies here as it does to our last comment. Force far greater than that provided by cutting charges would be required to “eject” human remains onto nearby buildings. The force of something like, say, a plane impacting and exploding inside the building would be needed.

From the same article that 9/11 Mysteries shows us related to bone fragments.
<http://www.nytimes.com/2006/04/06/nyregion/06remains.html> (LOGIN REQUIRED)

“Most of the fragments were found mixed among roof ballast - gravel - that had been raked to the perimeters of the roof of the condemned Deutsche Bank building, officials said.”

This is a reasonable explanation as to why these remains were not found sooner.

The size of the fragments is a direct result of the airliner crash and the explosion that resulted from the impact.

Section 2.5.15

22:30 So much to be explained. **Why did the South Tower fall first, when it was the second tower to be hit?**

There is far more to be considered than which tower was hit first.

The NIST report Finding 58 explains what these other factors are.
<http://wtc.nist.gov/pubs/NCSTAR1-6ExecutiveSummary.pdf>

“Finding 58: The time it took for each WTC tower to collapse was due primarily to the differences in structural damage, the time it took the fires to travel from the impact area across the floors and core to critical locations, and the time it took to weaken the core and exterior columns. WTC 2 had asymmetric structural damage to the core including the severing of a corner core column and WTC 1 had moresymmetrical damage. The fires in WTC 2 reached the east side of the building more quickly, within 10 to 20 minutes, than the 50 to 60 minutes it took the fires in WTC 1 to reach the south side.”

9/11 Mysteries only takes one aspect of this situation into account. Along with the facts listed above, weight also must be taken into account. The section of WTC2 that was above the impact zone was far larger than the section of WTC1 that was above the impact zone. As a result, WTC2 had much more weight (28 stories) to support than WTC1 (12 stories).

The plane that hit WTC2 was also travelling 100 mph faster. This means more dislodged fireproofing and more damage from the kinetic energy of the impact.

Section 2.5.16

22:40 Watch the top third of Tower 2 leaning outward, **about to topple**. Then -- suddenly -- it **disintegrates in mid-air**. What causes this giant slab of steel and concrete **to turn into dust before our eyes**?

For this part of the WTC2 to topple off to the sides, a force would have needed to act upon the top section of the building to push it over. The only force that was acting on this upper section of the building was gravity. In other words, straight down.

What happened, in reality, had nothing to do with “disintegrating” or “pulverizing”. Those descriptors certainly sound dramatic, but they are simply not true.

When the upper section of the building collapsed, it began at a 23° angle facing toward the south-east. This was because the east face perimeter columns were pulled in further, and at a lower part of the building, than the west face perimeter columns.

However, as the collapse progressed, the tilt of the building corrected itself. This was due to the west face collapsing enough to correct this tilt. For an explanation on tilt correction, please see this section of “Screw 9/11 Mysteries” by following the following link.

<http://video.google.com/videoplay?docid=-6243624912447824934#35m49s>

Section 2.5.17

23:07 Watch both buildings collapsing straight down – **directly INTO the path of MOST RESISTANCE** – which is all the floors and all the mass of the building itself.

As the beams sagged and pulled the exterior columns inwards, the only path was straight downwards. No force other than gravity was acting on the top of either tower. Due to the sheer size and weight of the upper sections of the towers (WTC1 – 12 floors, WTC2 – 28 floors), the static lower sections were unable to withstand the force of the building collapsing.

For the towers to have collapsed sideways, a force would have to be acting on them from the sides. There was none.

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“In other words, the momentum (which equals mass times velocity) of the 12 to 28 stories (WTC 1 and WTC 2, respectively) falling on the supporting structure below (which was designed to support only the static weight of the floors above and not any dynamic effects due to the downward momentum) so greatly exceeded the strength capacity of the structure below that it (the structure below) was unable to stop or even to slow the falling mass. The downward momentum felt by each successive lower floor was even larger due to the increasing mass.”

Section 2.5.18

23:25 **The World Trade Center Towers came down in approximately 10 seconds.** Seismic data from Columbia University puts the **North Tower collapse at about 8 seconds** and the **South Tower at approximately 10**. Lynn Simpson, a survivor from the 89th floor of the North Tower, describes the sight:

These figures are incorrect, to say the least. For the North Tower to collapse in 8 seconds there would need to have been some kind of vacuum on site. We do not know about you guys but we did not see any giant vacuum present at either tower.

If we look at some real data, the collapse times are quite different than those alleged by 9/11 Mysteries. Again, we will cite the official story which 9/11 Mysteries seems to have ignored.

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“NIST estimated the elapsed times for the **first exterior panels** to strike the ground after the collapse initiated in each of the towers to be approximately 11 seconds for WTC 1 and approximately 9 seconds for WTC 2. These elapsed times were based on: (1) precise timing of the initiation of collapse from video evidence, and (2) ground motion (seismic) signals recorded at Palisades, N.Y., that also were precisely time-calibrated for wave transmission times from lower Manhattan (see NCSTAR 1-5A).”

So, instead of just grabbing some recordings from one source (Columbia University) like 9/11 Mysteries did, NIST actually did some valid research and calculated the collapse times to be much longer than 9/11 Mysteries did. NIST’s findings reveal that they calculated the time it took the **first exterior panels** to strike the ground after collapse initiation was 9 seconds (WTC2), and 11 seconds (WTC1).

Images and video of the collapse of both towers show that the collapse of the entire structure finished long after the first exterior panels had struck the ground.

Section 2.5.19

24:01 Ten seconds. These are 110 story buildings coming to earth at free fall speed, the rate at which an object falls through air. The lower floors would need to give way completely as the floors above them fell.

More narration that was removed from the transcript.

Free-fall? If the towers fell at free-fall speed, why is the debris falling faster than the building? The Twin Towers did not fall at free fall speeds. The following images should be sufficient to prove this.

Image -> <http://images.911mysteriesguide.com/freefall.jpg>

Image -> <http://images.911mysteriesguide.com/freefall2.jpg>

Image -> <http://images.911mysteriesguide.com/freefall3.jpg>

So if the buildings were travelling at free-fall speeds, then this debris must have been travelling much, much faster than free fall. How is that possible?

Section 2.5.20

24:18 Can a person walk through a closed door as quickly and smoothly as one that is open?

No. Not at all.

However, if you add force and an increase in momentum into the equation they could pass through even faster. This analogy is a little simplistic, to say the least.

Section 2.5.21

24:23 A 10-second collapse means the upper floors encountered no resistance from the undamaged floors beneath them. Watch the demolition wave rushing straight down.

That would imply free-fall. We have demonstrated in this section how ridiculous that assertion is.

The upper floors' downward momentum was larger than the resistance being provided by the lower floors. In other words, the lower structure was not strong enough to slow the collapse.

9/11 Mysteries claims that the Twin Towers had a "demolition wave". This would require thousands of explosives all perfectly timed to detonate in a wave style, which would require explosives on every single floor.

Later in the film, 9/11 Mysteries attempts to show us timeframes of when these explosives could have been placed in the towers. We are offered the following as possible demolition work:

- 1) An unconfirmed 26 hour power down on the upper 50 floors of WTC2.
- 2) Construction work on the 34th floor; and
- 3) Noises on the 98th floor during the days leading up to 9/11.

That is nowhere near enough time or space to place enough charges to create a 'demolition wave'.

Conventional demolitions do not use "waves". The amount of explosives required for a wave far exceeds the amount required for a simple implosion. Later on in this guide you will learn (using examples) how a conventional demolition could not have been performed in the timeframe offered. A demolition wave is far more absurd still.

Explosives on every floor and no one noticed? That is extremely hard to believe, especially without evidence.

Section 2.5.22

24:40 Here the **South Tower is half its original height, but wreckage from the upper collapse has not yet fallen this far.** We are watching a **demolition moving faster than gravity itself** ... a building bursting into powder from top to bottom.

First, we will deal with the wreckage claim put forward by 9/11 Mysteries. They use this photograph to demonstrate their point.

Image -> <http://911research.wtc7.net/wtc/evidence/photos/docs/site1106.jpg>

A closer look at this photograph shows us that several pieces of debris are, in fact, ahead of the collapse.

The creators of 9/11 Mysteries point to the aluminum facades above the collapse as evidence that the building is falling faster than free fall.

Aluminum facades are lightweight and shaped in a way that causes them to be far more susceptible to wind resistance. If we look at the heavier steel though, there are large chunks of it well below the collapsing section of the building.

By examining a series of mid-collapse photographs and noting the debris that is falling much faster than the building itself, we can conclude that the building was not falling "faster than gravity itself".

Section 2.5.23

25:03 Here, **the core of the North Tower finally gives up.** 700 remaining feet of giant steel columns, among the strongest ever erected. **What force acts upon the core to make it all of a sudden disappear?**

Another contradiction can be noted here. Remember the start of the film when we were told that the core, perimeter columns and steel trusses came down "all at the same time"?

The force that acted upon the core to make it collapse is known as "gravity".

Section 2.5.24

25:23 Eric Hufschmid, author of the book "Painful Questions," **is a metal-cutting software engineer.**

He is also a holocaust denier.

We advise you all to look at this video.

<http://video.google.com.au/videoplay?docid=7501020220921158523>

Eric Hufschmid says nothing about his supposed "metal cutting" experience. This would be critical to his argument, and he fails to mention it? That is a bit odd. Did he just forget to mention the only shred of credibility he has?

He claims he is a "software engineer". How is a software engineer qualified to talk about structural failure? We think we will trust the hundreds of structural engineers who support the official story over a software engineer.

Section 2.5.25

25:23 Eric Hufschmid:

"The floors of the World Trade Center towers were a three-dimensional mesh of steel beams. You have to keep in mind now, the floor is about an acre in size -- there are thousands of joints all over it. **In order for the floor to fall down, thousands of joints would have to break simultaneously.** So then, if you look at the speed at which this came down -- less then ten seconds -- you blink your eye and thousand of joints just popped somehow. **The only way you can explain that is with explosives.** They had to have **had explosives placed all over the floors at the primary joints**, and then that would explain how all of the joints broke at such a rapid rate.

The debris was crashing from one floor to the next. **Debris cannot crash through steel and concrete floors as fast as it falls through the air -- and there was no slowing. Explosives had to be breaking the joints ahead of the falling rubble, which is why the top half starts off collapsing slowly and then it starts picking up speed...**"

It would be interesting to know where Eric's information comes from, particularly in light of the fact that he has no structural engineering experience, no physics experience and no demolitions experience.

The joints we are told about were nowhere near strong enough to support the force of 12 and 28 floors falling onto them. Eric Hufschmid is arguing against the "pancake initiation" theory. In other words, Hufschmid thinks the official story states that the collapse was started by one collapsing floor. The official story does not say this at all. Hufschmid is using a straw man argument to prove his point.

Hufschmid makes the assertion that the debris is crashing though steel at the same rate that it would fall through air. Quite simply, the steel was falling faster through air than it was through the building. Please see the previous information on "free-fall" for more information.

Due to the transfer of momentum, the buildings could not have slowed down during the collapse. In fact, it caused the collapse to accelerate.

Section 2.5.26

26:38 **This is a pancake collapse:**

26:44 **Why don't we see piles of floors at Ground Zero?**

The example of a pancake collapse that 9/11 Mysteries shows us is of a six story building. The height of the building was nowhere close to that of the World Trade Center buildings. Furthermore, the building is primarily comprised of thick floors of concrete. Its collapse was not a result of an airliner crash. This building is nothing like any of the buildings that collapsed at the World Trade Center.

Dissimilar to the example we were given by 9/11 Mysteries, the World Trade Center buildings had the amounts of force and damage that resulted on the lower floors.

The World Trade Center buildings also only had 4" of concrete per floor. The example 9/11 Mysteries gives us has much, much more.

Section 2.5.27

26:52 And paper blown everywhere. **Wouldn't a pancake collapse have trapped the contents inside?** What blew this paper all over New York?

Consider the following witness accounts.

Richard Cruz

<http://tinyurl.com/2s83fo>

"Richard Cruz was getting off the elevator on the 92nd floor of the World Trade Center when the plane hit the tower across from him Tuesday. "There was mass hysteria, people were screaming," said Cruz, 32. "I heard a lady's voice saying 'Go back! Go back! There's been an explosion!' I smelled smoke and I saw a lot of paper flying like confetti."

Brandon Baker

<http://tinyurl.com/34opea>

"I heard a low sound like a rocket, then a boom that shook my office. Through my window, I saw a fireball," he said. "As I continued to stare out the window, I saw the plume of smoke and thousands of pieces of paper flying in the air - pieces of paper that should have been on someone's desk, in someone's file cabinet. I felt like the ground had been pulled out from underneath me."

Diane Gatewood

<http://tinyurl.com/34a5wq>

"I saw paper flying and I thought, 'Wow, that must have been a big truck that hit that dumpster,' because of all the paper that was flying." A co-worker running past her office told her that a plane had hit one of the World Trade Center buildings. She joined him in a corner office on higher floor to watch what was happening."

In case you had not noticed already, all of the above sources are explaining flying paper long **before** the towers collapsed.

Here is a clip shot in Brooklyn showing the burning towers and paper flying in the air:

<http://video.google.com/videoplay?docid=-878604798220013855&q=paper+brooklyn+wtc+video>

But does that mean that **all** the paper escaped the tower before and during collapse? Absolutely not.

Consider this photo and caption.

<http://tinyurl.com/y4csl6>

“Large pieces of debris, likened to meteorites by preservationists, are actually several floors of the towers compressed together as the buildings collapsed. Furniture, twisted metal, pipes, cords and **even papers with legible type are visible**. The pieces are kept in a humidity-controlled tent in Hangar 17 of Kennedy International Airport.”

Another factor here is wind. Obviously, when one floor falls onto another, the air must be displaced and we all know that paper and wind do not mix.

Section 2.5.28

27:04 If you were to drop a billiard ball from the top of the Twin Towers, it would hit the ground in just over 9 seconds, the **average time it took for the towers to fall**. Helped by gravity and falling through air, the ball **will GAIN SPEED**.

The average time it took for the towers to fall, according to reliable sources, is over 10 seconds. Not “just over 9”. 9/11 Mysteries claims, “just **over** 9 seconds” was the average time it took the towers to fall. That would not even be true to the 8 and 10 second times they provided us. It would be dead on 9 seconds. Nice math.

A transfer in momentum from floor to floor would also cause the collapse to speed up.

Section 2.5.29

27:22 The calculation for a “**pure**” **pancake collapse of 110 stories**, with **each floor pulverizing to get out of the way**, is **96 seconds**. In the real world, with the floors creating resistance, **a pancake collapse would LOSE speed – never would it GAIN speed**.

The 96-second collapse time is based on every single floor in the towers pancaking. The evidence available indicates that the Twin Towers, for the most part, did not collapse in a progressive fashion. This renders 9/11 Mysteries’ argument a straw man fallacy.

This collapse time also suggests that every floor in the tower should come to a complete halt before the next one falls. This is what Dr. Frank Greening has to say about this.

http://www.911myths.com/Energy_Transfer_Addendum.pdf

“Thus I conclude that inclusion in my calculation of the time spent in crushing a 4 inch layer of concrete would add no more than 1 millisecond per crushed floor, or increase the calculated total collapse time of a Twin Tower by only about 0.1 seconds!”

The official story disagrees with the “pure pancake” theory. The collapse was initiated when the upper floors collapsed. Therefore, ignoring the fact that the top 28 floors (WTC2) did not pancake has already thrown Judy Wood’s calculations way off.

9/11 Mysteries and Judy Wood ignore the shift of momentum during collapse, a very critical thing to ignore.

For these reasons, Judy Wood’s calculations cannot be seen as accurate or even close to being accurate.

2.6 Pre-Collapse Sub-Basement Explosions

Section 2.6.1

27:52 The airplanes struck the towers high above the ground. But down in the lobby of the North Tower, marble facing flew off the walls -- the windows shattered, **all the glass blown out**.

If you watch this section of 9/11 Mysteries, it shows some footage from the lobby. Granted, there are broken windows. However, we can clearly see a large amount of intact glass. The assertion that "all" the glass was blown out is a little over the top.

Section 2.6.2

28.14 Narrator: "Right away, a guy from the Port Authority told them the damage was somewhere above the 78th floor, but all you had to do was look around. **It was something had happen right there in the lobby.**"

Firefighter 1: "And you just saw ... all the windows were blown out."

Firefighter 2: "The lobby looked like the plane hit the lobby."

28:38 "Like the plane hit the lobby." **What caused so much wreckage in the lobby?**

There was an explosion of sorts in the lobby, but it was not caused by a bomb.

<http://www.fags.org/docs/911/911Report-302.html>

"A jet fuel fireball erupted upon impact and shot down at least one bank of elevators. The fireball exploded onto numerous lower floors, including the 77th and 22nd; the West Street lobby level; and the B4 level, four stories below ground."

Some doubt that the power of such an explosion could cause the effects we see in the lobby. If we look at the following witness accounts from the lobby, we can see that this was one powerful jet fuel explosion.

<http://www.projo.com/words/st20021016.htm>

"As he waited for orders, Meldrum, the chauffeur (Fire engine driver), noticed that all windows in the high lobby were blown out. Glass and marble from busted walls littered the floors, crunched underfoot. He caught an occasional whiff of jet fuel, a smell like kerosene, wafting from elevator shafts. On the floor by the elevators he saw burned people."

None of the injuries or damages explained in the following account shows anything similar to explosive ordnance injuries.

<http://www.firehouse.com/terrorist/911/magazine/gz/blaich.html>

"The same thing happened to the elevators in the main lobby. They were basically blown out. I don't recall if I actually saw people in there.

What got me initially in the lobby was that as soon as we went in, all the windows were blown out, and there were one or two burning cars outside. And there were burn victims on the street there, walking around. We walked through this giant blown-out window into the lobby."

This witness explains that the plane impact was like an explosion that “sounded like a missile”. The fireball ensued.

http://www.ny1.com/pages/RRR/911special_survivors.html

“Brian Reeves, a 34-year-old security guard, was nearly killed while making the rounds in the lobby of 1 World Trade Center on September 11. He started to run after hearing an explosion that he said sounded like a missile, but he was knocked down by a fireball that roared down the elevator shaft.

Reeves suffered third-degree burns to 40 percent of his body before he was able to pat out the flames. He was one of 20 critically-injured patients rushed to New York Presbyterian’s burn unit that day.”

A witness describes the falling elevators and the jet fuel explosion.

<http://www.engr.psu.edu/ae/WTC/CantorFitzgerald.html>

“I saw a couple of elevators in free fall; you could hear them whizzing down and as they crashed, there was this huge explosion, like a fireball exploding out of the bank of elevators,” Kravette said. “People were engulfed in flames.”

Witnesses described smelling kerosene. If a bomb was to have caused this, they would have been smelling explosives as opposed to jet fuel.

<http://www.projo.com/words/st20021016.htm>

“As he waited for orders, Meldrum, the chauffeur (Fire engine driver), noticed that all windows in the high lobby were blown out. Glass and marble from busted walls littered the floors, crunched underfoot. He caught an occasional whiff of jet fuel, a smell like kerosene, wafting from elevator shafts. On the floor by the elevators he saw burned people.”

This quote is the original “like the plane hit the lobby” quote in full.

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110430.PDF

“Firefighter Joseph Casaliggi: We went into the lobby. The lobby actually looked like the plane hit the lobby. From what I understand, I was told afterwards, that a fireball shot down the elevator shaft and blew out all the windows in the lobby and blew out the elevator doors.”

9/11 Mysteries uses this man to support the controlled demolition theory despite the fact that he describes nothing of the sort.

<http://www.chiefengineer.org/article.cfm?seqnum1=1029>

“Mike Pecoraro: “When I walked out into the lobby, it was incredible,” he recalled. “The whole lobby was soot and black, elevator doors were missing. The marble was missing off some of the walls. 20-foot section of marble, 20 by 10 foot sections of marble, gone from the walls”.

The west windows were all gone. They were missing. These are tremendous windows. They were just gone.

Broken glass everywhere, the revolving doors were all broken and their glass was gone. Every sprinkler head was going off. I am thinking to myself, how are these sprinkler heads going off? It takes a lot of heat to set off a sprinkler head. It never dawned on me that there was a giant fireball that came through the air of the lobby. I never knew that until later on. The jet fuel actually came down the elevator shaft, blew off all the (elevator) doors and flames rolled through the lobby. That explained all the burnt people and why everything was sooted in the lobby.”

By carefully researching the above accounts, we can determine that the injuries and damages reported were highly consistent with those caused by a jet fuel explosion. Injuries were in the form of burns rather than shrapnel wounds and severed body parts. The smell of kerosene was reported and there were no reports of the smell of explosives. Black soot and dark smoke associated with ignited kerosene was observed.

The amount of evidence for an explosive device causing this damage is currently zero. Saying that there is evidence of some would simply be wrong. The evidence that jet fuel in the elevator shafts caused this damage, on the other hand, is strong.

Section 2.6.3

28:36 **William Rodriguez**, a maintenance employee at the World Trade Center and the last human being to exit the towers alive, describes a giant blast below his building.

28:47 William Rodriguez: "...and all of the sudden we **heard an explosion**. It was a huge explosion that **came from under my feet**, meaning that it came from the sub-levels between B2 and B3, and there was a huge explosion at the top of the building."

Voice of office worker at 1 Liberty Plaza: "**What the heck was that?**"

William Rodriguez: "**You could hear the difference from the bottom and all the way through the top**. The one from the top -- **which was actually seconds after** -- was **heard very far away**. The one at the basement was pretty loud, **and you felt your actual feet moving with the floor**. The tremor that is sent through the floors -- the walls cracked and the false ceiling totally collapsed, and that's when a person name **Felipe David** came running into our office saying, 'Explosion! Explosion! Explosion!' And when I saw him, he **has all his skin pulled from under his armpits and missing pieces on his face**."

29:43 An explosion deep down in the tower, **BEFORE the plane crash 95 floors above**.

To begin, we would just like to point out that the use of an explosive device 95 floors below impact obviously had no effect at all on the collapse of the towers. The towers collapsed from the top down. There were several sections at the bottom of the buildings that remained standing, which resulted in a lucky few surviving the collapses. The core did not collapse until after the rest of the towers, which proves that the core was not "cut" with explosives to cause the rest of the building to implode.

An explosion 102 minutes before collapse is not consistent with any kind of controlled demolition.

William Rodriguez is a hero. For this section of this guide, we would like to note that we do not doubt that his testimony is truthful, but there are alternate explanations for the interpretations that Rodriguez assigns to what he witnessed, which are much more reasonable than the assumption that explosives were used.

The speed of sound is 767 mph at 20°. This means it will travel at approximately 1,124 feet per second. This is actually a good estimate of Rodriguez's distance from the impact point in WTC1. However, that speed is only through air.

Sound travels through steel approximately 17 times faster than it does through air. This means that sound travels through steel at around 13,332 mph. This shows that the impact sound and the related physical effects could reach someone 1,124 feet away in under 0.06 of a second. Please keep in mind also, that two sounds were created upon impact. One was the airplane crashing into the building. The second was the airplane exploding within the building. This explains the extra sound spike in the audio clip we are shown by 9/11 Mysteries.

If we put Rodriguez's situation into perspective, we have a situation like this. The physical and audible effects of the impact of the plane would have reached Rodriguez before the actual explosion of the aircraft within the building.

The jet fuel then exploded. The sound would have reached Rodriguez through the air one second later. Then we have the sound of the fireball rushing down the elevator shafts close to Rodriguez's location. This would have occurred at almost the same time as the airborne sound of the explosion at the impact zone, but would also be distinct from that sound and would appear to be coming from somewhere else.

Therefore, the sound that occurred 95 floors up would have reached Rodriguez 0.06 seconds after it occurred, through steel. Rodriguez would have then heard the sound again one whole second after it occurred at the impact point. Jet fuel fireballs would have also caused noise above and below his level.

Another concern is Rodriguez's ever-expanding version of events. His story now is much different from his original accounting of events.

<http://archives.cnn.com/2001/US/09/11/new.york.terror/>

"We heard a loud rumble, then all of a sudden we heard another rumble like someone moving a whole lot of furniture," Rodriguez said. "And then the elevator opened and a man came into our office and all of his skin was off."

No mention of explosions, bombs or anything similar. No mention of an explosion before impact. That would be a significant fact to point out in an interview. Why was there no mention of these things?

Thanks to 911myths.com for inspiring this section of research. Please view the article on William Rodriguez at 911myths.com
http://www.911myths.com/html/william_rodriguez.html

Section 2.6.4

29:50 **Others lived to report enormous explosions below the towers.** Construction worker Phillip Morelli was in North Tower Sub-basement 4 at the time of the first plane strike.

Phillip Morelli: "I go downstairs. The foreman tells me to go to remove the containers. As I'm walking by the main freight car of the building, in the corridor -- that's, that's when I got blown. I mean the impact of the explosion -- of whatever happened -- it threw me to the floor -- and that's when everything starting happening..."

30:20 Blown to the floor. **Let's hear what happened next.**

Phillip Morelli: "I was racing -- I was going towards the bathroom. All of the sudden I opened the door -- I didn't know it was a bathroom -- and all of the sudden a big impact happened again, and all of the ceiling tile was falling down, the light fixtures were falling, swinging out of the ceiling ... and I come running out the door ... and everything -- the walls were down -- and now I start running towards the parking lots. ... There was a lot of smoke down there. There was a lot of people screaming. People came with us, running up the ramps..."

30:49 Philip then ran underground to the South Tower.

Phillip Morelli: **"You know, you gotta go clear across the hole from One to Two World Trade Center, you know, I mean that's the way you got to run -- and then all of the sudden it happen all over again. Something else hit us to the floor. Right in the basement you felt it.** Wall were caving in, everything that was going on. I mean, I know people that got killed in the basement, I know people that got broken legs in there, in the basement. People got reconstructive surgery because the walls hit them in the face..."

This is perhaps the most absurd piece of quote mining in the history of 9/11 documentaries. We strongly advise you watch this section of "Screw 9/11 Mysteries" to get the best explanation for what 9/11 Mysteries has done here.

<http://video.google.com.au/videoplay?docid=-6243624912447824934#51m09s>

The simple fact that the 9/11 Mysteries narrator says "Let's hear what happened **next**" is absurd on its own. A large section of this interview has been cut here. In this section, Phillip Morelli says something damaging to the conspiracy theory.

http://www.ny1.com/pages/RRR/911special_survivors.html

"It knocked me right to the floor. You didn't know what it was. Of course you're assuming something just fell over in the loading dock, something very heavy, something very big, you don't know what happened, and all of a sudden you just felt the floor moving and you get up and the walls... And then you know, I mean now I'm hearing **that the main freight car, the elevators fell down, so I was right near the main freight car so I assume what that was.**"

It is clear why 9/11 Mysteries did not want that in its display of the Morelli interview. Perhaps it was because it clearly shows an explanation to Morelli's account. But wait, it gets better. Take, for example, this quote. The 9/11 Mysteries version goes like this.

<http://www.911weknow.com/images/stories/documents/narratorscrip.pdf>

"You know, you gotta go clear across the hole from One to Two World Trade Center, you know, I mean that's the way you got to run -- and then all of the sudden it happen all over again. Something else hit us to the floor. Right in the basement you felt it."

Now let's look at what Phillip Morelli **actually** said.

http://www.ny1.com/pages/RRR/911special_survivors.html

"You know, you gotta go clear across the hole from One to Two World Trade Center, you know, I mean that's the way you got to run -- and then all of the sudden it happen all over again, **building two got hit**. And again I don't know that, I just know something else... hit us to the floor. Right in the basement you felt it."

If the creators of 9/11 Mysteries read this, we want to know why you found it necessary to butcher Phillip Morelli's words in such a way. It is hard to see how such an edit could be accidental.

Again, we advise you watch this section of "Screw 9/11 Mysteries" for a better explanation using film. The following link will take you to the exact part of the film you have to watch.

<http://video.google.com.au/videoplay?docid=-6243624912447824934#51m09s>

Section 2.6.5

31:20 **Engineer Mike Pecoraro, in the sixth sub-basement**, found the parking garage and machine shop reduced to rubble.

Mike Pecoraro's account shows us nothing consistent with an explosion caused by ordnance.

<http://www.chiefengineer.org/article.cfm?seqnum1=1029>

"When I walked out into the lobby, it was incredible," he recalled. "The whole lobby was soot and black, elevator doors were missing. The marble was missing off some of the walls. 20-foot section of marble, 20 by 10 foot sections of marble, gone from the walls". The west windows were all gone. They were missing. These are tremendous windows. They were just gone. Broken glass everywhere, the revolving doors were all broken and their glass was gone. Every sprinkler head was going off. I am thinking to myself, how are these sprinkler heads going off? It takes a lot of heat to set off a sprinkler head. It never dawned on me that there was a giant fireball that came through the air of the lobby. I never knew that until later on. The jet fuel actually came down the elevator shaft, blew off all the (elevator) doors and flames rolled through the lobby. That explained all the burnt people and why everything was sooted in the lobby."

In the same article, we can see that Mike details the obvious jet fuel in the area.

<http://www.chiefengineer.org/article.cfm?seqnum1=1029>

"By this time, however, the room they were working in began to fill with a white smoke. "We smelled kerosene," Mike recalled, "I was thinking maybe a car fire was upstairs", referring to the parking garage located below grade in the tower but above the deep space where they were working."

Assuming that an explosive device caused the damage Mike Pecoraro described is purely based on speculation. There is far more evidence against it than there is for it.

2.7 Pre-Collapse Interior Blasts

Section 2.7.1

31:34 Rescue firemen and civilians spoke of hearing explosions throughout the towers. Firefighter **Lou Cacchioli** told People Magazine that as he and others evacuated workers, **bombs were going off inside the building**. Explosions stalled elevators and **filled entire floors with smoke and debris**.

The following extract is from an interview with Lou Cacchioli.

http://sixtyminutes.ninemsn.com.au/sixtyminutes/stories/2002_09_08/story_681.asp

How much will it help the healing process once Osama is captured?

"Louis Cacchioli[sic] says: It'll help the healing a little bit because maybe we'll know it won't happen again, but the hurt that these families are going through isn't going to help them much — they've already lost their loved ones, but it'll help to know they've got the bastard.

If you had the chance to say something to Osama bin Laden, what would you say?

Louis Cacchioli[sic] says: I'd probably love to grab a hold of him, I don't know, I'd probably go crazy because of what he did, but I'd have to ask him why? What made you do something like this and why are you training young kids to do this; it's not the right way to handle things. And then I'd probably go crazy, as I've got so much hate from all the hurt he's caused."

If Lou Cacchioli was so sure that the sounds he heard were bombs or explosions, why does he support the official story? It is quite clear from the responses he gave that he acknowledges that al Qaeda and Osama Bin Laden were behind the attacks.

For further reading on this topic, please see this link.

http://911myths.com/html/quote_abuse.html

Section 2.7.2

31:57 Radio firefighter 1: "I got an eyewitness that said there was explosion on floor Seven Eight, Seven Eight ..."

Radio firefighter 2: "...Warren Street because of the **secondary explosion. We've got numerous people covered with dust from the secondary explosion**"

Radio firefighter 3: "...in the Tower...Ten Thirteen, Ten Thirteen..." (Code = Fire Marshall Needs Assistance, Urgent Assist by NYPD)

Firefighter 4 on radio: "We have a bigger explosion and what looks like **a complete collapse -- surrounding the entire area.**"

Firefighter 5 on radio: "...involved in **a secondary explosion...**"

9/11 Mysteries fails to note that several of these radio communications were broadcast after WTC2 collapsed. The "secondary explosion" was, in fact, the building coming down. We know that several fire fighters in WTC1 had no clue that WTC2 had actually collapsed. Take Lou Cacchioli for example.

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110285.PDF

"At that time, the doors closed and that's when the power went out. **Which, what we found out later was when the south tower fell down.** They were able to force their way out of the elevator and for some reason the guy from the truck, from 13 truck, went to the right and he went to the left and found a stairwell and he was able to make it out.

Q. Who is "he"?

A. Louie Cacchioli."

Firefighter 4 is more than clearly describing the collapse.

There is nothing in any of these quotes to indicate that these noises were explosions, let alone explosives. People can hear loud noises and describe them as explosions without any form of explosives being involved at all. Take for example, eyewitness accounts when the Titanic sunk.

<http://gaslight.mtroyal.ab.ca/titnch13.htm>

"When our boat was away from the Titanic there was an explosion and the Titanic seemed to break in two. Then she sank, bow first. Just before this, I saw Mr. Astor, Mr. Thayer and Mr. Case standing on deck. They were smiling and as we went off they waved their hands."

Using a conspiracy theorist's logic, the Titanic was sunk in a controlled demolition. We all know that is not true.

Section 2.7.3

32:29 William Rodriguez, helping the firefighters, reports blasts within the North Tower well before it fell.

William Rodriguez: "As I went up, I remember **listening to** small explosions on the upper floors, and these small explosions were not coming from the area of the impact --it was coming from lower floors..."

32:48 And when the second plane hit the South Tower:

William Rodriguez: "We heard "*boom*." When we heard "*boom*" -- inside our building -- the North tower -- we heard "*pop-pop-pop-pop-pop-pop*" -- and on the security radio we heard, "We lost 65! We lost 65!" meaning the 65th floor collapsed ... and as we went down the stairwells you could hear the actual collapsing inside the building. You heard rumble. You heard the cracking of the walls. I mean pieces falling, right next to us, of the actual building..."

William Rodriguez heard some loud noises that sounded like explosions. We do not doubt that. However, the simple fact that there is nothing else to back up that claim means we can only really take his account with a grain of salt. It is troubling that William Rodriguez actually states that these **were** explosions without evidence other than hearing what sounded **like** explosions.

Thousands of people were evacuated from the World Trade Center buildings on 9/11. The percentage of people who have made recounts similar to Rodriguez is alarmingly small.

Again, we are not saying that Rodriguez is a liar. However, there are far more rational explanations to what Rodriguez heard, that do not involve explosives.

2.8 Pre-Collapse Ground Level Explosions

Section 2.8.1

33:35 What happened at the base of the towers just before they came down? ... **Smoke appeared at street level.**

33:46 This video was **shot from New Jersey. An explosion is heard as white smoke rises at the base of the building.**

Text: video filter applied

Consider the following images taken before the collapse of WTC2.

Image - > <http://images.911mysteriesguide.com/fire1.jpg>

Image - > <http://images.911mysteriesguide.com/fire2.jpg>

We know from previous sections of this guide that large fireballs shot down multiple elevator shafts moments after the airplanes hit each tower. Witnesses told of these fireballs igniting cars and portions of the buildings.

This “explosion” is apparently heard all the way from Hoboken, New Jersey, but not at the World Trade Center? We can see by studying other angles of the collapse (with unedited audio) that this alleged explosion is not heard in any other footage on 9/11.

This suggests that the sound detected by Rick Siegel's camera is coming from a much closer source than WTC1. Another possibility is that the sound has been dubbed in later.

If you listen closely to the alleged explosion again, you will note that it is lacking in higher frequencies and is extremely “boomy”. This is incredibly close to the noise pollution we hear when a microphone is exposed to wind.

The sounds we are hearing are not explosions. They are simply gusts of wind contacting the camera's microphone. The film was shot, after all, on a pier in Hoboken where wind is more than common.

Now, for the smoke. We are shown footage of WTC1's collapse. Remember that this is happening after WTC2 collapsed. Let's look at some photos.

Image -> <http://911research.wtc7.net/wtc/evidence/photos/docs/amanz/wtc31.jpg>

Image -> http://911research.wtc7.net/wtc/evidence/photos/docs/wp_wtc28.jpg

As you can clearly see, there was already a large amount of smoke present on street level before the collapse of WTC1.

Section 2.8.2

34:20 Watch the **camera shake on its tripod as a large energy source rocks the ground**. Nine seconds later, the North Tower falls.

If this camera shake was coming from something other than a local source (eg. someone bumping the tripod), this alleged explosion caused more camera shake than the collapse itself. Consider the following video, which is the original version of the footage 9/11 Mysteries shows us.

Video -> <http://www.youtube.com/watch?v=sCgsbecn6Jg>

If you watch closely, you will notice that the camera shakes **much** less during the actual collapse. In fact, the shaking during the collapse is barely noticeable. That would have to be one big explosion to cause a camera shake larger than the collapse itself. Logically, we would be able to see it, people in NYC on 9/11 would have seen, heard, and felt it; and seismic recorders would have picked it up. Yet, there is no visible evidence of a gigantic explosion on any footage, and no witness reports of a massive explosion, which rocked the ground more than the collapse itself. However, most importantly, there is no evidence of a seismic reading larger than the collapse 10 seconds before the collapse.

The only explanation for this shake is local movement within the room where the tripod was located. The most likely explanation is the tripod being bumped.

Section 2.8.3

Text: "I heard like an explosion and then a cracking type of noise, **and then it sounded like a freight train**, rumbling and picking up speed ... I looked up and I saw it coming down." -- Timothy Julian, Firefighter, Ladder 118

Text: "As I came out of the North Tower, everything started trembling under my feet like an earthquake. The only thing I saw was a firetruck. I ran towards the firetruck and slid right under, when the **building started to collapse right under the firetruck**." – William Rodriguez

For a good laugh, I recommend reading "Loose Trains". A good parody of 9/11 conspiracies is located here:

<http://loosetrains911.blogspot.com/>

"These damning accounts come from [the oral histories of 9/11](#). Lawsuits were required to bring this information to light, and you can obviously see why the government wanted them hidden. They challenge the official narrative that airplanes hit the buildings and give actual proof that the towers were actually brought down by trains."

Using the same logic as "sounded **like** an explosion = Bomb", they use the exact same method to provide "evidence" that the Twin Towers were brought down by trains. Funnily, it is just as convincing as the explosive theory.

We are not nitpicking here and we are fully aware that this is probably an accidental typographical error. Nevertheless, the actual William Rodriguez quote was, "I ran towards the fire truck and slid right under when the building started to collapse right **on top** of the fire truck".

2.9 Pre-And Mid-Collapse Explosions

Section 2.9.1

35:06 Across the Hudson River, Richard Siegel was filming an astonishing day.

35:13 The sound meter of Richard's camera caught something very significant. Adjusted for the distance involved (as sound travels more slowly than what we see), the camera registered multiple explosions in the towers. Here is the South Tower record:

35:33 **Then the building fell.**

Rick Siegel recently complained about this section of "9/11 Mysteries".

<http://www.ricksiegel.com/web/index.php?name=News&file=article&sid=147>

"On this weekend I will show where Sophia cut my work up into disinfo segments. Where she has taken the sound of the North tower pre-collapse explosions and narrates over them over them saying they are the South Tower pre collapse explosions and demolitions."

We do not, by any means, agree with Rick that these noises are explosions. Nevertheless, this shows us how Sofia has failed to properly research the facts before jumping to conclusions.

Neither film (Rick's 9/11 Eye Witness or 9/11 Mysteries) does prove that these are sounds are:

- a) coming from the WTC's as opposed to the filming location in Hoboken;
- b) resulting from the use of explosives; or
- c) explosions.

Without any evidence to those points other than speculation, we cannot accept this as being anything significant at all.

When 9/11 Mysteries quotes, "then the building fell", they show the North Tower. This is right after talking about the South Tower for a segment of the film. They were supposed to show the South Tower.

2.10 Squibs

Section 2.10.1

35:45 Let's look carefully at the collapse itself. Notice the **puffs of concrete issuing from the sides of the building well ahead of the collapse wave**. Called “squibs” in demolition language, **these are actual explosives – charges firing visibly through the exterior as gravity pulls the building down**.

If you examine the available video of these puffs of concrete, you should take careful note of the manner in which they exit the building.

These puffs of dust and concrete happen in the reverse order of explosives. They exit the building and then increase in size over a short period. Almost as if they are being “squirted” out of the building.

As we stated before, explosives work the opposite way. The strongest point of an explosion is detonation. The dust cloud would then linger and perhaps disperse. It never increases its explosive strength over time.

As the buildings began to fall, a build-up of pressure caused a compression of air between floors. This pushed dust, smoke, debris and concrete out of small sections of the buildings side. NIST comments on this in their FAQ:

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“As stated in Section 6.14.4 of NIST NCSTAR 1, the falling mass of the building compressed the air ahead of it—much like the action of a piston—forcing smoke and debris out the windows as the stories below failed sequentially.

These puffs were observed at many locations as the towers collapsed. In all cases, they had the appearance of jets of gas being pushed from the building through windows or between columns on the mechanical floors.

Such jets are expected since the air inside the building is compressed as the tower falls and must flow somewhere as the pressure builds. It is significant that similar “puffs” were observed numerous times on the fire floors in both towers prior to their collapses, perhaps due to falling walls or portions of a floor. Puffs from WTC 1 were even observed when WTC 2 was struck by the aircraft. These observations confirm that even minor overpressures were transmitted through the towers and forced smoke and debris from the building.”

We can confirm that air was moving through the towers moments before collapse by examining the following eyewitness accounts.

http://www.acfd.com/miracle_of_ladder_company_6.htm

Matt Komorowski: “The first thing I really felt was the incredible rush of air at my back. And maybe I felt it before everybody else, because I was the last guy.”

Stone Phillips: “Like a gust of wind, behind you.”

Matt Komorowski: “Gust of wind. Wind tunnel. It was the most incredible push at your back, that you can feel.”

And from a different source.

<http://transcripts.cnn.com/TRANSCRIPTS/0209/07/pitn.00.html>

David Lim: What I remember the most was the wind. It created almost like a hurricane-type force and actually pushed one of the firemen right by me.

Mike Meldrum: I was flown down a flight of stairs, a little groggy for a while. I noticed somebody on a half landing just up from me, a few stairs and I thought it was one of our guys and it was David Lim."

In every controlled demolition that has ever been performed, large amounts of explosives have been placed on almost every single floor. When a shaped charge is detonated, structural damage is immediately visible. However, at the World Trade Center, these alleged explosions appear to be causing no damage to the building at all. The damage is clearly being caused by the falling mass.

These "squibs" also appear to be minimal in number and none are visible at the impact point. There is, however, ample evidence to suggest that the collapse of both towers was caused by the sagging trusses pulling the perimeter columns inwards.

So we are left with: a collapse that was not initiated by explosives, puffs of air that look nothing like explosions and aren't causing any visible structural damage; and explanations for the cause of these puffs of air and debris. Things do not look good for the "puffs = explosives" case right now.

Section 2.10.2

37:00 Shattering from the top, engulfed by banana-peel plumes, these were no ordinary **implosions**.

9/11 Mysteries has switched between implosions and explosions several times throughout the film.

Section 2.10.3

37:10 The Twin Towers each consisted of three multi-story buildings set on top of one another. To sustain the weight of so many floors, the "sky lobbies" had to be extra-heavily reinforced.

37:24 Watch a big squib coming from the sky-lobby band.

This alleged squib causes no visible damage to the sky-lobby band. A common answer to this remark is that "the explosion occurred within the building, therefore it is not visible". The problem with that is the way in which the building collapsed. The core of each tower fell 15-20 seconds after the rest of the building. If explosions occurred deep within the building, the cores would have fallen down at the same time (or even before) the rest of the building. This did not happen.

2.11 Shockwave

Section 2.11.1

37:44 A powerful blast produces what is called a “shockwave.” Explosions generate extremely high compressional waves that exceed the limits of surrounding air and space, creating a violent force.

38:51 The South Tower fell first. **This is the shockwave blast as it rocks the tower next door:**

What 9/11 Mysteries suggests here is that this shockwave was caused by a controlled demolition involving explosives. They claim that it was not the force of the building falling that caused this “shockwave” effect, but rather a shockwave created by explosive devices.

9/11 Mysteries fails to provide any evidence that an extremely large explosive device was detonated as the towers collapsed. We are shown one eyewitness account of a man who was hit by the dust cloud and a video from underneath WTC1 during the time that WTC2 collapsed. Both are explainable.

First, the dust cloud. Shockwaves do not travel at the speed of a slowly moving dust cloud. They are shot out from their source at extreme speeds. The dust cloud did have some force behind it, generated by the air movements on the ground as the tower collapsed. However, to dismiss this as a shockwave based on pure speculation cannot be accepted as evidence.

Of course, other explanations we are offered for this effect are explosions in the basement and the alleged “squibs” shooting from the building. However, the reports of explosions in the basements:

- a) are explainable as occurrences other than explosions;
- b) happened **before the collapse**; and
- c) indicate nothing to prove explosives were used in the basements.

For this “shockwave” to be caused by explosives, the force of the explosives would have had to be larger than the forces produced by the collapse of the building. That is one big explosion with no evidence to support its existence.

The other piece of evidence that 9/11 Mysteries offers for this shockwave effect is a video from under WTC1. It was filmed as WTC2 came down to earth.

The first important thing to note in this video is the lack of any unusual movement from the people in the shot. No one is hurled across the room and no one falls to their feet. Nothing is blown off the walls and no other effects of a shockwave are visible. That leaves us with the audio, which is supposed to contain a “blast”.

The sound we **do** hear is a result of the microphone peaking. When a sound is produced that is over the microphone's recommended sound pressure level (SPL in decibels), the signal distorts and becomes indistinct. This is a nightmare for any sound engineer to have to deal with because it is mostly irreversible, even if you turn the recording down later on. You do not need a shockwave to create this effect, just a lot of noise.

2.12 Pyroclastic Surges

Section 2.12.1

39:04 As the buildings fell, they darkened Manhattan, filling the air with billowing clouds of dust and ash.

What produces these huge, scudding cauliflower-like masses of slowly moving dust?

39:31 **True, a 110-story building has just been reduced to a million tons of rubble ...** but is there anything in our experience we can compare it to?

39:44 **A volcano.**

This is the most disturbing section in the whole of 9/11 Mysteries. This is due to the fact that 9/11 Mysteries is often passed off as “more scientific than other 9/11 movies”, “accurate” and “unbiased”. That says a lot about 9/11 conspiracy theories in general.

9/11 Mysteries asks the question “What produces these huge, scudding cauliflower-like masses of slowly moving dust?”, and attempts to answer the question themselves. Before we debunk their answer, we will provide our own.

The dust cloud we saw on 9/11 was a **density flow**. A density flow is a mixture of debris particles (eg. dust) and air much denser than normal air. Density flows, whether in air or water, can maintain their form for much longer than regular clouds of dust.

A density flow will run out of momentum over time. Once it loses momentum, it stops moving. The denser parts of the flow will settle out and the lighter parts will mix with the surrounding medium.

Density flows can flow over water, or even in water.

Now that we know what did occur within the dust cloud on 9/11, we will now look at why a pyroclastic flow was not present. First, we must note that pyroclastic surges are exclusive to volcanoes and only volcanoes. This is a strict scientific fact. You cannot achieve a pyroclastic flow in any environment other than a volcanic eruption.

Section 2.12.2

39:57 911 Eyewitness narrator: **“The US Geological Survey website provides us with a definition of a pyroclastic flow as a ground-hugging avalanche of hot gas and debris. The rising gas chimney is clearly visible in this photo of the North Tower implosion, with pyroclastic flows between buildings. The cauliflower shape of the debris cloud is a telltale sign of pyroclastic flows generated by massive explosions, typical of volcanic eruptions and controlled demolitions.”**

Reporter on radio: “This is the second building that has gone down...”

911 Eyewitness narrator: **“A pyroclastic surge can even flow over water as hot gases carry dust created by explosive energy. Here, the South Tower implosion creates a pyroclastic surge, moving out over the Hudson River.”**

The US Geological survey website does indeed provide us with a definition of a pyroclastic flow. Let's read it.

<http://volcanoes.usgs.gov/Products/Pglossary/PyroFlow.html>

“A pyroclastic flow is a ground-hugging avalanche of hot ash, pumice, rock fragments, and volcanic gas that rushes down the side of a volcano as fast as **100 km/hour or more**. The temperature within a pyroclastic flow may be **greater than 500° C, sufficient to burn and carbonize wood**. Once deposited, the ash, pumice, and rock fragments may deform (flatten) and weld together because of the intense heat and the weight of the overlying material.”

*** Emphasis Mine**

So, we are supposed to believe the cloud created by the collapse of the Twin Towers was moving at over 100 km/h and had temperatures sufficient to carbonize wood? We are talking about a dust cloud that would have been over 500°C moving through New York City and causing no damage whatsoever.

The dust cloud was described as hot, but that was by people in the middle of it. That rules out the 500°C option. Quite simply, no one anywhere near the World Trade Center complex would have survived a pyroclastic flow floating over them. Nevertheless, what about speed? 9/11 Mysteries itself notes that the dust cloud was “slowly moving”. Therefore, that rules out the 100 km/h option. Not looking good for the “Pyroclastic Surge” case at all, is it?

The extract from 9/11 Eyewitness that we are shown states that the cauliflower shaped clouds are a sign of a pyroclastic flows. This is wrong. If you carefully examine the comparison photos we are shown, you will note that the clouds coming from the World Trade Center appear to be much lighter in color and density.

Now that the assertion that a pyroclastic flow was present on 9/11 has been debunked, we will examine the outright lie that 9/11 Mysteries displays to us via 9/11 Eyewitness. We are told that pyroclastic flows are “typical of volcanic eruptions and controlled demolitions”. This is quite simply a lie. No pyroclastic flow has ever been observed at the site of a controlled demolition. In fact, no pyroclastic flow has ever been observed outside a volcanic eruption.

Section 2.12.3

40:55 A volcanic eruption produces **exactly the same** thick, scudding ash – heavy with debris, **hugging the ground as it flows out from a tremendous internal explosion.**

First to note is that we were shown a few pictures in 9/11 Mysteries that compared a volcano to the collapse of WTC1 and WTC2. As we previously noted, the cloud from the volcano is clearly much darker, thicker and higher in density.

The effect of a pyroclastic surge is a result of the heat within the volcano created by molten lava. This effect cannot be recreated by thermite (as 9/11 Mysteries appears to suggest). 9/11 Mysteries seems to imply that “tremendous explosion = pyroclastic flow”. Again, an over simplification. 9/11 Mysteries “pyroclastic surge” thesis is based on a lie by 9/11 Eyewitness and bad science that fails to take into account the possibility of logical explanations.

2.13 The Slurry Walls

Section 2.13.1

41:16 On the southern tip of Manhattan, surrounded by water, huge retaining walls were built below the World Trade Center to hold back the ocean and Hudson River. The “bathtub,” as it was called, held 7 levels of parking garages, maintenance rooms and the New Jersey PATH train station.

41:37 After September 11th, the 3-foot-thick slurry walls were found to have shifted up to 18 inches inward.

41:49 Construction worker: “These walls are coming in. These wall hold back the river, so if these wall cave in, this place is going to get flooded out be the river.”

41:57 Let’s think about this. **A pancake collapse should have left the foundations in place. They had always borne the weight of 110 floors.** But **something happened in the sub-basements** to disrupt them.

Even the most basic laws of physics can prove 9/11 Mysteries wrong in this statement.

For some odd reason, 9/11 Mysteries claims that the slurry walls should have remained fully intact and unmoved simply because they supported the weight of the standing, static Twin Towers. Anyone with some form of common sense knows that the force of a falling section of floors, with the assistance of gravity, will create a much larger force on the ground than the static structure ever would.

9/11 Mysteries provides no calculations to back up their claims. They provide absolutely no evidence whatsoever that the foundations should have stayed in place and fully intact. Yet, they expect us just to believe it.

Here is a very simple concept to consider. Place a 500g weight on a piece of glass. You will notice that the glass will support the weight without any issues. Then, pick it up and drop it. The force of gravity will cause the weight to either crack or completely smash the glass. The same applies to a falling building. The slurry walls could easily support the standing towers, but once they come down, all bets are off.

In addition, to note here is the speculation that “something happened in the basement” that had a force acting on the slurry walls that was greater than the collapse. To rule out the collapse as a plausible answer to the shifting slurry walls, the force of whatever happened in the basement would have had to have been greater than the force of 110 stories of falling building.

9/11 Mysteries also fails to provide any evidence that the sub-basements and slurry walls had been damaged before the collapse itself.

To conclude, we can state that 9/11 Mysteries has ignored the momentum of the collapsing upper floors collapsing having the ability to damage the sub-basements and slurry walls. 9/11 Mysteries has also failed to provide any evidence that supports an alternative explanation.

Section 2.13.2

42:19 **What kind of force** could have dislodged so many stories deep underground?

The only large seismic spikes that were recorded on 9/11 were the collapses. Nothing was recorded before or after the collapse that would have been big enough to create the same effect on the basements as the falling building would.

The force of the collapsing 110 story buildings was the force that dislodged the stories below ground. It is really that simple. We have seen no valid scientific evidence, but merely speculation to support the theory that 9/11 Mysteries has presented to us.

2.14 Molten Metal

Section 2.14.1

42:32 Narrator: "The pile itself seemed to have a life of its own. It spewed fire when we dug into it."

42:38 The ground continued to burn. **Les E. Robertson publicly reported that 3 weeks after the collapse, live fires burned and molten metal still flowed underground**

Note the exact words that Robertson uses. He says molten **metal** was found under the World Trade Center. In public debate with Steven Jones (who is mentioned later in 9/11 Mysteries), Les Robertson expressed doubt that molten **steel** was under the World Trade Center.

The debate can be heard in this MP3 audio file.

<http://tinyurl.com/t7bw5>

9/11 Mysteries makes the assertion that "molten metal = molten steel" without providing any scientific evidence to back up their claims. We are offered no proof whatsoever that the metal that was allegedly under the towers was, in fact, steel.

9/11 Mysteries will attempt to place blame on "thermite" for the fires and molten metal that were present under the towers three weeks after 9/11. In a later section of this guide, we will explain why this is utterly absurd.

Section 2.14.2

42:53 Ground Zero Crew Member 1: "...you see how this (inaudible) is still smoking? That's from the fire still burning. **Eight weeks later we still got fires burning.**"

43:01 Ground Zero Crew Member 2: "Steel-toed boots is one of the biggest things. Out still on the rubble **it's still -- I believe -- 1100 degrees.** The guys' boots just melt within a few hours."

In this interview, we are shown that fires are still burning at Ground Zero eight weeks after the fact. Again, 9/11 Mysteries tries to blame thermite for this in the next section of the film.

Thermite is an incendiary used by the military. It burns for a matter of seconds. Not eight weeks. The amount of thermite that would be needed to cause eight weeks' worth of fires underground would be enormous. We will expand on this later.

Note my second emphasis on Ground Zero Crew Member 2. She explains that the rubble is still 1100 degrees. This is caused by the fires.

We know that the World Trade Center had thousands of aluminum facades placed on the perimeter columns of WTC1, WTC2 and WTC7. Aluminum was also high in quantity on both 767s that hit the buildings. Aluminum melts at 1220°F. Now, if the top of the rubble pile was 1100°F, it is perfectly reasonable to assume that the deeper sections of the rubble, closer to the fires, would have been burning far higher than 1220°F.

Section 2.14.3

43:13 In November 2005, physics **Professor Steven Jones of Brigham Young University** published a **25-page treatise on the collapse of the Twin Towers and Building 7, applying the laws of physics to the official story**. From an interview on MSNBC:

Steven Jones was a professor at Brigham Young University who has no experience in building forensics, structural engineering or controlled demolitions. His lack of understanding of demolitions might explain his utterly absurd fantasy that thermite would ever be used in a controlled demolition. We will expand more on thermite later.

It should be noted that Steven Jones' paper was rejected by BYU and his fellow professors have downplayed his suggestions regarding 9/11.

<http://www.netxnews.net/vnews/display.v/ART/2006/04/09/443801bdadd6e>

"I have studied the summary of the report by FEMA, The American Society of Civil Engineers and several other professional engineering organizations. These experts have given in detail the effects on the Towers by the impact of the commercial aircraft. I have also read Professor Jones' (referred to) 42 page unpublished report. In my understanding of structural design and the properties of structural steel **I find Professor Jones' thesis that planted explosives (rather than fire from the planes) caused the collapse of the Towers, very unreliable.**

D. Allan Firmage

Professor Emeritus, Civil Engineering, BYU"

If Steven Jones had used the **laws** of physics to support his paper, it would have been supported by people in the appropriate fields. His paper would have been peer-reviewed and published in a respected scientific journal. As of April 2007, none of Jones works regarding thermite (or 9/11) have been published in a respected journal.

Section 2.14.4

Jones: "As we read in the FEMA report, it says here -- and I put this in my paper, of course -- **'The best hypothesis' -- which is the only one they looked at -- fire -- 'has only a low probability of occurrence. Further investigation and analysis are needed to resolve this issue'** ... and I agree with that."

This quote is from the FEMA report Chapter 5 page 31. It is related to World Trade Center 7.

A "low probability of occurrence" does not mean "impossible". If it comes to probability, the conspiracy theory does far worse. Consider this. What are the chances that tons of explosives and thermite could be placed using hundreds of people and huge pieces of machinery in three skyscrapers, without being noticed by **anyone**? The probability of that happening is extremely low.

Further investigation and analysis **are** being conducted by the NIST regarding World Trade Center 7. The NIST has explored the hypothesis of explosives along with that of fire and has concluded that explosives were **not** used in any way, shape or form on 9/11.

Section 2.14.5

Carlson: "I'm sorry that we are out of time, and I'm not sure that you have fully..."

Jones: "Whoa! One other thing I want to mention --"

Carlson: "Okay, if you could hit it, just really quickly --"

Jones: "Okay, here we go. Molten **metal** in the basements of all three buildings --"

Carlson: "Right."

Jones: **"And yet all scientists now reasonably agree that the fires were not sufficiently hot to melt the steel.** So what is this molten **metal**? It's **direct evidence for the use of high temperature explosives, such as thermite.** Thermite produces molten iron as an end product."

Carlson: "Okay, we appreciate your coming on, even if I don't understand your theories. We appreciate your trying to explain it. Thanks."

Steven Jones also switches between "molten metal" and "molten steel" rather frequently. He states that molten metal was found in the basements of all three buildings. Yet he fails to specify what types of metal were found in the basements. He then states that the fires were not hot enough to melt steel without one ounce of proof that the metal that was discovered in the basements was, in fact, steel. He then states that this molten metal is evidence for thermite without proof that this molten metal is actually iron or steel.

Jones then claims that "high temperature explosives, such as thermite" were used in the towers. How is it that a man who is supposedly educated on thermite claims that it is an explosive formula? Thermite is not an explosive at all.

<http://en.wikipedia.org/wiki/Thermite>

<http://dansdata.blogsome.com/2007/01/25/exothermia/>

Thermite is not an explosive, but it can do a very good impression of one if there's water in the area. Or ice.

Steven Jones was put on paid leave from BYU for his absurd suggestions and ended up standing down from his position. He was also removed from "Scholars for 9/11 Truth".

Section 2.14.6

44:31 Professor Jones barely got in his mention of “thermite.” **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 2 seconds, thermite can reach temperatures over 4500 degrees Fahrenheit – **quite enough to liquefy steel. This is thermite melting the engine of a car.**

The military does not use thermite to demolish buildings. Unlike napalm, it is not used as a weapon. The military uses thermite grenades to destroy sensitive equipment so enemy forces cannot seize it.

Thermite is not used by anyone for demolitions. Thermite does not burn in any particular direction. Gravity, however, will cause the thermite to burn downwards. For this reason, thermite cannot be used to cut a vertical beam.

9/11 Mysteries states that the temperatures produced by thermite are enough to liquefy steel. Although this is true, 9/11 Mysteries has failed to provide any evidence whatsoever to prove that liquefied steel was actually existent during and following the events of 9/11/2001.

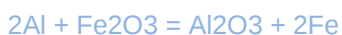
9/11 Mysteries brings up the video from a UK television show “Brainiac” that shows us thermite melting through the engine of a car. This is what debunking911.com has to say about the topic.
<http://www.debunking911.com/thermite.htm>

“Thermite in general makes an ugly hole with molten metal drips/blobs. It doesn't make clean cuts. It's a powder that undergoes a violent chemical reaction as seen in the video below.

http://www.guзер.com/videos/thermite_car.php

Note how much thermite is used. The pot is about a liter, but how much thermite is that?

Stoichiometric thermite requires 2 moles of Al per 1 mole of Fe₂O₃



2 moles of Al weigh 54 g
1 mole of Fe₂O₃ weighs 160 g

density of Al=2.64 g/cc
density of Fe₂O₃=5.24 g/cc

54 grams of Al is equivalent to 20.5 cc of Al.
160g of Fe₂O₃ is equivalent to 30.5 cc of Fe₂O₃

Therefore, 51 cc of fully dense powder of 20.5 cc Al and 30.5 cc Fe₂O₃ weighs (54+160) g = 214 g.

A volume of 1000 cc would weigh (1000/51)*214 = 4.2 kg

For a powder packing density of 50%, the powder would weigh:

$$0.5 \times 4.2 \text{ kg} = 2.1 \text{ kg} = 4.8 \text{ lb}$$

That much just to burn a small hole in a small car engine. I bet it's even an aluminum block but let's say it isn't. How much do you think it would take to burn a massive core column? Then add enough to burn for 6 weeks! You see where we're going. You'd need tons.”

Section 2.14.7

45:05 We know that open-air fires cannot burn hot enough to **melt steel**. But **metal had melted** at the base of the towers. The second product of a thermite reaction is **aluminum oxide** -- **visible as white smoke**.

9/11 Mysteries frequently mentions that the fires were not hot enough to melt steel. Despite this, there is a significant avoidance of stating that molten steel was actually found at Ground Zero. This can be seen in the quote above. Instead of saying "...open-air fires cannot burn hot enough to melt steel. But **metal** had melted at the base of the towers", 9/11 Mysteries should have said "...open-air fires cannot burn hot enough to melt steel. But **steel** had melted at the base of the towers". Perhaps the creators of 9/11 Mysteries have realized that, although there may be evidence for molten **metal** under the World Trade Center buildings, there is no evidence that said metal is actually **steel**.

9/11 Mysteries also states that the white smoke rising at Ground Zero during and following 9/11 is evidence of thermite. This implies that white smoke is exclusive to a thermite reaction. That is simply untrue. Many objects, materials and elements will burn with white smoke. The section of this guide that deals with the 9/11 Mysteries chapter, "The Myth" (specifically section 2.2.7), delves into this issue further.

Nevertheless, what if this smoke was aluminum oxide? Does that prove a thermite reaction was present? No. When aluminum melts, it produces aluminum oxide. The temperatures in the rubble at Ground Zero were high enough to melt aluminum. The most plausible explanation for molten metal, based on the available evidence, is the aluminum from the facades surrounding the buildings along with the aluminum from the two 767s that hit both of the Twin Towers. There is nothing unusual about the presence of white smoke or aluminum oxide at Ground Zero.

Section 2.14.8

45:23 **Was thermite used in conjunction with explosives on September 11th? Watch this very bright substance pouring from the 81st floor of the South Tower:**

For one second, we will ignore the simple fact that the amount of thermite that would have been required to create this effect would have been enormous and it could not have been hidden prior to 9/11. We will offer a far more reasonable explanation for the stream of fire falling from WTC2 before collapse.

If we note the location of this alleged "thermite" we will notice that it just happens to be right where a 767 airline slammed into the building at over 500 mph. Planes are not made of steel. They are mostly comprised of aluminum. We know that the temperatures of the fires in the tower were over 1200°F at a minimum (this figure is offered to us by 9/11 Mysteries, the real figure is higher). Aluminum melts at 1220°F.

This flow cannot be steel from the buildings due to the simple fact that the steel on the towers would fail well before melting point. The flow is likely to be a mixture of aluminum from the airliners and outskirts of the building, aluminum oxides, jet fuel, molten glass, and whatever else the aluminum flowed over as it reached the open window.

Such a flow would appear orange, and would cool to a dark color.

This is what NIST has to say on the issue:
http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“Photographs, and NIST simulations of the aircraft impact, show large piles of debris in the 80th and 81st floors of WTC 2 near the site where the glowing liquid eventually appeared. Much of this debris came from the aircraft itself and from the office furnishings that the aircraft pushed forward as it tunneled to this far end of the building. Large fires developed on these piles shortly after the aircraft impact and continued to burn in the area until the tower collapsed.

NIST concluded that the source of the molten material was aluminum alloys from the aircraft, since these are known to melt between 475 degrees Celsius and 640 degrees Celsius (depending on the particular alloy), well below the expected temperatures (about 1,000 degrees Celsius) in the vicinity of the fires. Aluminum is not expected to ignite at normal fire temperatures and there is no visual indication that the material flowing from the tower was burning.”

Section 2.14.9

45:48 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.**

9/11 Mysteries notes that “iron oxide” was present on the surface of the structural steel in the World Trade Center buildings. They then use this as evidence for the existence of “thermite”. Quite simply, iron oxide is rust. There is rust on my car. Does that mean that my car was subject to a thermite reaction? No. Not at all.

Another thing that the creators of 9/11 Mysteries mention is “thermate”. They claim that the presence of sulphur on the structural steel at the World Trade Center is evidence for the use of thermate. However, let's look further into thermate and its ingredients.

Thermate is a mixture of normal thermite and pyrotechnic additives which have been found to be superior to standard thermite for incendiary purposes. However, regardless of the speed of reaction increase, gigantic amounts of thermate would still need to be planted to bring down the World Trade Center buildings. Thermate is generally comprised with 68.7% thermite, 29% barium nitrate, 2% sulphur, 0.3% binder.

To note is the addition of barium nitrate. Thermate contains nearly 15 times more barium nitrate than sulphur. If thermate was used on the World Trade Center buildings, why was no barium nitrate found on the steel or anywhere at Ground Zero?

Sulphur does not mean thermate, just like carbon does not mean gunpowder. So, right now, you're probably asking where the sulphur that was found actually came from if thermate was not used. Jonathen Barnett from FEMA states that the three most likely sources of the sulphur were:

- The large amounts of sulphur-based drywall used in the towers. (most likely of the three)
- Fuels leaking at Ground Zero
- Acid Rain (least likely of the three)

Conclusion

We have been offered no evidence that the molten metal reported at Ground Zero was actually steel. The assertion that this metal was steel is purely speculation based on a lack of understanding of alternate explanations.

The suggestion of thermite and/or thermate being used on 9/11 also lacks any valid evidence. Simple logic and basic research shows us how ridiculous the suggested use of thermite is in the context of building demolition, due to the following facts:

- a) it has never been done before;
- b) extremely large amounts of thermite would have been needed and thus could not be hidden; and;
- c) thermite cannot cut through vertical steel columns.

9/11 Mysteries is often passed off as “scientifically accurate”. We cannot see how this is true when the film claims that rust and drywall are evidence for a thermite/thermate reaction.

2.15 The Demolition Industry

Section 2.15.1

46:36 Let's look at what happens in the demolition industry. **Taking down large structures requires preparation.** Powerful explosives and heavy equipment are **used in advance** to weaken the foundation and bottom sections of a building before **additional explosives and gravity bring the rest of it down.**

At the start of this section, we are shown several examples of controlled demolition in the form of video footage. The video is obtained from a company known as Implosion World. Of course, the irony here is that Implosion World actually wrote a paper that details the absurdity of the controlled demolition conspiracy theory with respect to the World Trade Center buildings. They also wrote a "Q&A" surrounding the events of 9/11 with controlled demolitions in mind.

<http://www.implosionworld.com/wtc.htm>

<http://www.implosionworld.com/Article-WTC%20STUDY%208-06%20w%20clarif%20as%20of%209-8-06%20.pdf>

9/11 Mysteries does acknowledge the fact that controlled demolitions require preparation. What they fail to take into account is how much work is involved in doing so. They even state that "powerful explosives and heavy equipment are used in advance" but fail to explain how this preparation could be done in office buildings that were occupied 24/7, right up until the moment they fell.

The creators of 9/11 Mysteries also show footage of preparation work being done in a few buildings. We can see large amounts of drilling (using rather large equipment), along with explosive devices and detonation cord being placed. Yet somehow, we are supposed to believe that all of this could have been done in three occupied buildings without one person noticing before or during 9/11.

Demolition is not as simple as placing a few bombs under a few desks and using wireless connections to detonate them. Walls need to be removed to access critical columns; explosives then need to be attached onto the column that is to be demolished. Once this is done, the explosive needs to be connected to a length of detonation cord, which is then connected to the trigger.

Let's look at the preparation that was put into the tallest building ever demolished. The building was the J.L Hudson's building in Detroit, Michigan. It was 439 feet and was 29 stories high, including its mechanical penthouses (excluded from Implosion World's 26 story figure).

<http://www.implosionworld.com/records.htm>

"At first, protesters objected loudly to the razing of this 26-story, 439-foot tall structure located in the heart of Detroit's commercial district. But years of neglect and decay precluded an economically viable alternative, and the building was brought down in 1998."

More research into the building's demolition clearly outlines the amount of work and labor that was required to bring the building down.

<http://www.controlled-demolition.com/default.asp?reqLocId=6&reqItemId=20020304145120>

"In 24 days, CDI's 12 person loading crew placed 4,118 separate charges in 1,100 locations on 9 levels of the structure. Over 36,000 ft. of detonating cord and 4,512 non-electric delay devices were installed in CDI's implosion initiation system. As the implosion required the detonation of a total of 2,728 lb. of explosives, CDI implemented 36 "primary delays" and an additional 216 "micro-delays" in the implosion initiation sequence in an attempt to keep detonation overpressure to a minimum."

And a quote from CDI:

http://www.history.com/media.do?id=most_hudsons_implosion_broadband&action=clip

The Hudson Building "It took us 24 days with 12 people doing nothing but loading explosives..." James Santoro – Controlled Demolition Incorporated"

The above figures are for a 29 story building (L.J Hudson) that was over 920 feet shorter than WTC1 and WTC2, and over 130 feet shorter than WTC7. It would take approximately 72 days with 12 people doing nothing but placing explosives to rig just one tower for a controlled demolition. That is being generous and is not even taking into account the fact that workers would have to do the work completely unnoticed. This means heavy drilling, thousands of feet of detonation cord, thousands of explosives, dozens of workers and missing walls would have all had to go unnoticed by over 50,000 people who worked in the Twin Towers. Let's not forget that the towers were occupied 24/7. If we add WTC7 and the other tower into the equation, we can see where this is going. It quickly becomes ridiculous.

Not to mention the fact that the plane impacts and fire would have had to have magically missed all the explosives and detonation cord.

Section 2.15.2

46:56 The words of a senior blaster:

Text: "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."

This quote is not properly sourced. We are told that the person who said this is a "senior blaster". Yet upon entering any significant part of this quote into a Google search, we are only presented one webpage that appears to be offline.

www.ealchemistry.org/911eyewitnesses.html

Where did this quote come from?

We are not saying that we do not think this quote was from a senior blaster, but it would be nice to know whom it actually came from. Any type of "factual" documentary should never keep its sources anonymous, especially when it is claiming that the source is a "senior" blaster.

Section 2.15.3

47:17 Here's what demolition experts use in steel-framed buildings. (pause) **The linear shaped charge:**

Mark Loizeaux: "It's a chevron-shaped or v-shaped charge that you can focus at a specific target, and it's lethal. It generates around 3 million pounds per square inch pressure at a speed -- depending on the explosive inside the shaped charge -- in excess of 27,000 feet per second."

Again, how is it that so many shaped charges were placed in occupied buildings unnoticed leading up to 9/11? They are literally strapped to the column that is to be blown. They cannot be hidden under desks, in potted plants, etc.

9/11 Mysteries then sources Mark Loizeaux. Mark works for Controlled Demolition Inc which is a company that assisted with cleaning up at Ground Zero in the months following 9/11, and a company that supports the official story. Mark himself stated in New Scientist magazine that he supports the official story for the collapse of the World Trade Center buildings.

<http://www.newscientist.com/article.ns?id=mq18324575.700>

"And I sat there watching, I picked up the phone and and I called a couple of people on the National Research Council Committee involved in assessing the impact of explosives. They said "What do you think this is, that they're going to fail, that they're both going to fail?" The expression around was they're going to pancake down, almost vertically. And they did. It was the only way they could fail. It was inevitable."

Section 2.15.4

47:42 Besides the unfathomably powerful shaped charge, blasters have a lot of tricks:

Comments from blasting videos:

Narrator: "There are over a thousand different types of explosives, different because they detonate at varying speeds..."

Blaster 1: "**This is detonating cord**, and this burns at about 21,000 feet per second. Comes in all colors, pastels too..."

Blaster 2: "With the use of delays, we can control pretty much where the debris lands; we can control vibration; we can control noise levels. Timing and [sic] delays are the keys to just about everything in our business."

9/11 Mysteries shows us footage of a woman presenting some detonation cord to the camera. What 9/11 Mysteries fails to do is explain how the large amounts of detonation cord used in controlled demolition would have been hidden in the World Trade Center buildings.

The Hudson building in Detroit, which was detailed earlier in this article, used 36,000 feet of detonation cord. This was for a 29-story building. WTC1, WTC2 and WTC7 combined were 267 stories tall. That is 110 each for WTC1 and WTC2 plus 47 for WTC7.

If 36,000 feet of detonation cord was used for 29 stories, how much would be needed for 267? If we use some simple math and divide 36,000 by 29 (to get feet per floor) and then multiply it by 267 we get 331,448.28 feet (62.77 miles) of detonation cord. How is it that 331,448.28 feet (62.77 miles) of detonation cord was connected, placed and hidden in the occupied World Trade Center buildings 1, 2 and 7? Quite simply it is not possible.

Section 2.15.5

48:24 And what is the result?

Jack Loizeaux: "The thing that pleases me is the fragmentation and the control. When you take a building, break it up into millions of pieces and put it into its basement, as artfully as we do. And it works just like clockwork. So we've got it all down to a science. It just -- it gives me goose bumps to talk about it."

Jack Loizeaux also works for CDI. 9/11 Mysteries continually uses people who support the official story in an attempt to support their alternate theory. This is probably because no one in the appropriate fields supports their theory.

2.16 9/11 WTC Demolitions

Section 2.16.1

48:54 Were the **underground explosions** intended to **blow out the Twin Towers' basements** ...followed by blasts heard inside the buildings of **shaped charges slicing the core**?

To see our take on these alleged “underground explosions” please see the appropriate section of this guide (Section 2.6 – Pre-collapse Sub-basement Explosions) or “Screw 9/11 Mysteries”, which can be found on Google video.

9/11 Mysteries claims that explosives “sliced” the cores of the World Trade Center buildings. As you know from reading the section of this guide that deals with the 9/11 Mysteries chapter, “The Myth” (Section 2.2), the cores of the buildings fell last. In a controlled demolition, the basement is blown so that the building will fall from the bottom up and the core is destroyed so that the building will fall into itself. But on 9/11, the Twin Towers fell from the top first; the building fell in all kinds of directions; and the core remained standing last. This is nothing like a controlled demolition.

Section 2.16.2

49:08 Demolition “pre-weakening” usually **takes place well in advance of the final blast**, but **at the World Trade Center critical prep work might have had to occur in a very compressed time frame – in the panicked aftermath of the plane strikes**.

9/11 Mysteries claims that some of the preparation work would have had to be done after the planes struck the towers.

That gives us a 102-minute (maximum) period in which to prepare for a controlled demolition. In the section of this guide that deals with the section of 9/11 Mysteries, “The Demolition Industry” (Section 2.15), we detail how long it took to prepare for the demolition of a 29 story building. It took 24 days with 12 people doing nothing but placing explosives. We ended up calculating that it would take approximately 72 days with 12 men working to prepare for one of the Twin Towers for demolition. It is not possible to prepare for a controlled demolition of two 110-story buildings in 102 minutes (56 for WTC2). That is not even taking into account the thousands of people who were exiting the building or the fires.

9/11 Mysteries made the claim that explosives were being detonated from just before the impact of Flight 11 (WTC1), right up until the buildings had finished collapsing. Now, they are telling us that some of the preparation was done after the planes hit, and therefore after some explosives had already been detonated - yet another contradiction.

The point is, 9/11 Mysteries has failed to adequately comprehend the amount of time and effort that is put into demolishing a building.

Section 2.16.3

49:34 These **core columns were discovered after the collapse**. The **angled cut occurs exactly in the manner that shaped charges slice through steel beams** to control the way they fall.

49:48 Notice the **hardened once-liquid metal**. Was **thermite used with the shaped charge**?

Narrator: "The job of the shaped charge is to cut steel H-beams."

Blaster: "They way we do this is by cutting the beam at an angle which, **through a series of beams cut at the same angle, will tend to make the building shift over and walk.**"

The pictures we are shown by 9/11 Mysteries are these ones:

Image -> http://images.911mysteriesguide.com/cut_columns_1.jpg

Image -> http://images.911mysteriesguide.com/cut_columns_2.jpg

It is a known fact that the extremely heavy columns of steel that were present at Ground Zero needed to be cut before they could be removed. This is what steel looks like when it is cut using an oxyacetylene torch.

Image -> <http://www.debunking911.com/cut2.jpg>

And now if we take a look at an image a little closer to home:

Image -> http://images.911mysteriesguide.com/cut_columns3.jpg

Some of the beams that were sticking out of the massive pile of rubble at Ground Zero needed to be removed for any number of reasons. They were hazards to rescue workers and fire fighters. They also acted as obstacles to rescue efforts. To remove these beams, workers used oxyacetylene torches to cut the heavy columns of steel.

http://www.fullerroadfire.com/911/First_Hand_Account_911.htm

"Not long after this Danny McDonough, a retired FDNY Rescue 3 firefighter and NYTF-1 member who is assigned as a liaison for our team to the FDNY, got us an assignment cutting steel beams that had fallen north of the north pedestrian bridge. Pete Benedetto, Steve, a couple others and myself assembled our cutting torches and carried them to the area where Battalion Chief John Norman was operating. We worked for about 45 minutes cutting through the 30- and 50-ton steel beams."

"Our first assignment for the morning was to begin to cut some of the steel beams that fell on Vesey Street, between Building 6 and the Verizon building. We utilized an exothermic torch and numerous oxyacetylene torches. It would take several minutes to make each cut in the enormous beams."

9/11 Mysteries makes the assertion that thermite was used in conjunction with a shaped charge to destroy the column they show us. They ignore the fact that using thermite with explosives is incredibly redundant.

If the thermite was to have been ignited first, the explosive charge would have been disabled, not detonated. If the thermite did somehow manage to ignite the explosive instead of rendering it useless, the explosive would have cut the column anyway, obviating any need for the thermite in the first place.

Some will claim that the explosive was used to ignite thermite. This claim is false due the simple fact that thermite requires a high temperature fuse, such as magnesium, to ignite. Such a feat cannot be achieved with an explosive.

Using thermite and explosives together is pointless. Explosives alone would have cut the column. Thermite would have simply added an increase to the already extremely large chance of being detected. Please keep in mind that we have seen no evidence for the use of either thermite **or** explosives, let alone both together.

The fact that these beams were cut on an angle does not lend any credibility to the controlled demolition case. The blaster that 9/11 Mysteries sources says that the building “will tend to make the building shift over and walk” upon demolition. This did not happen at all on 9/11.

Section 2.16.4

50:15 Let's look at the rubble of two 110-story buildings brought to the ground.

50:22 In a 7-story crater, lie nearly **2 million tons of debris. Had the basements not been blown out, where would 2 million tons have gone?** Heaped on the ground, ready to slide and spill?

50:38 The art of controlled demolition ...

50:47 Text: “...to take a building, break it up into millions of pieces and put it into its basement.” Jack Loizeaux, Controlled Demolition Inc.

Each tower weighed 500,000 tons. The debris would have been much closer to 1,000,000 tons, and not 2,000,000 tons as 9/11 Mysteries claims.

9/11 Mysteries has continued to ignore the fact that the falling towers would have carried a force large enough to destroy the basements of the towers. We have been provided with no evidence that the basements were “blown out” at all.

Again, Jack Loizeaux is sourced. 9/11 Mysteries continues to use those who disagree with them to support their theories.

Section 2.16.5

50:55 Remember the **pre-collapse and mid-collapse explosions caught by Richard Siegel's camera on the Jersey shore:**

51:01 **Were these the blasts that took the out core and upper basements ... just before the final crumble ... a mind-boggling sequence of computer-controlled delays that blew the exo-skeleton ... pulverized the concrete ... to bring the whole structure rolling to the ground?**

Richard Siegel's footage has been explained in the earlier sections of this guide. The fact remains, Richard Siegel's camera somehow magically picked these noises up despite the fact that no cameras that were **much** closer to the World Trade Center did. This indicates that the noises were either coming from somewhere closer to Hoboken (where Siegel filmed from), or that the noises were dubbed in at a later stage.

Section 2.16.6

51:24 **Was this the story of that day?**

6-stage demolition wrap-up:

Text: 1 Pre-collapse sub-basement explosions (lower basements and substructure)

Text: 2 Pre-collapse interior blasts (endo-skeleton, cutting core columns)

51:35 William Rodriguez: "Inside our building, the North tower, we heard "pop-pop-pop-poppop," and on the ..."

Text: 3 Pre-collapse ground-level explosions (upper basements and lower supports)

Text: 4 Top-level collapse initiation ("cracking the top")

Text: 5 Mid-collapse squibs (shooting sections ahead of collapse)

Text: 6 Final time-delayed roll (exo-skeleton and pulverization)

World Trade Center 2 collapsed 56 minutes after the impact of Flight 175. World Trade Center 1 collapsed 102 minutes after the impact of Flight 11.

Controlled demolitions happen in a matter of seconds. 9/11 Mysteries claims that the first event of demolition was a noise heard by William Rodriguez slightly before Flight 175 hit WTC2 (See Sections 2.6, 2.7, 2.8 and 2.9 for more). The final event of demolition is detailed as the actual collapse itself.

The reason that controlled demolitions happen in a matter of seconds is simple. Having explosives detonate in certain sections of the structure will cause localized structural failure. If one section of the building is damaged significantly earlier than the other sections of the building, premature collapse located at the area of structural failure becomes inevitable. If the basements and lower sections of the Twin Towers had been blown as soon as the plane hit the building, the lower sections of the building would have suffered premature collapse. This did not happen on 9/11. WTC1 and WTC2 both collapsed from the top down.

We advise that all readers watch the section of "Screw 9/11 Mysteries" that deals with this section of the film (direct link below). Using footage from 9/11 Mysteries, "Screw 9/11 Mysteries" shows the real order in which a controlled demolition occurs, and the time it takes to be completed. The following link is time-stamped to take you to this part of the movie.

<http://video.google.com.au/videoplay?docid=-6243624912447824934#1h29m31s>

2.17 Who Knew?

Section 2.17.1

52:03 Some people appear to have **known the imminent future on that fateful day. FEMA had arrived in New York on Monday night, ready for a bio-terror drill.** Spokesman Tom Kenney to Dan Rather:

52:22 Tom Kenney: "To be honest with you, we arrived on late Monday night and went into action on Tuesday morning, and not until today did we get a full opportunity to work the entire site -- other than this part of Church and Day to which we were deployed."

FEMA conducts several drills a year. In fact, if we look at some of FEMA's activities pre-9/11, we can see that a bioterrorism drill was nothing unusual.

"In fact, an **early 2001 FEMA report predicted that the three most likely serious disasters to hit the U.S. would be a terrorist attack on New York**, a major earthquake in San Francisco, and the one FEMA considered the most potentially catastrophic--a hurricane and flood in New Orleans."
*Emphasis Mine

A testimony of Tara O'Toole, MD, MPH, before the Congress of the United States, U.S. Senate Government Affairs Subcommittee on International Security, Proliferation and Federal Services, July 23, 2001.

<http://tinyurl.com/yu56s2>

"Encourage, design and assess the use of training programs, exercises and drills for bioterrorism responders, including high-level decision makers: Well-designed bioterrorism response exercises provide an opportunity to test preparedness plans and precepts. Tabletop scenarios and more elaborate drills provide opportunities for collaboration among the diverse array of communities and individuals who would be involved in managing actual epidemics."

A bioterrorism drill in NYC leading up to 9/11 was nothing out of the ordinary for FEMA. It was purely coincidence that the exercise had been planned for September 12th. Suggesting that FEMA knew that this attack was coming is despicable, to say the least.

Section 2.17.2

52:38 And Rudy Giuliani, Mayor of New York, tells ABC's Peter Jennings that he **was aware the towers would be coming down**:

52:44 Rudy Giuliani: "What's going on now is a massive rescue effort."

Peter Jennings: "...and do you believe it is hundreds or thousands?."

Rudy Giuliani: "I really don't want to say right now, Peter. I think it's going to be a horrible number. I saw people jumping out of the World Trade Center. I saw some of the firefighters who I know going into the building, so... And we were in a building in which we were trapped for 10, 15 minutes -- and we set up headquarters at 75 Barclay Street which was right there with the Police Commissioner, the Fire Commissioner, the head of Emergency Management -- and we were operating out of there when we were told the World Trade Center was going to collapse."

Although we will offer our own explanations, we recommend reading the article at 911myths.com that deals with the Giuliani issue. It is far more detailed and can be found here:

http://www.911myths.com/html/giuliani_and_the_wtc_warning.html

Consider the following:

"An engineer from the Department of Buildings reported that the structural damage appeared to be immense. The stability of both buildings was compromised. In particular, the engineer was worried about how long the north tower would stand."

Page 203

"102 Minutes", Jim Dwyer and Kevin Flynn

Several educated people warned others that the Twin Towers would collapse due to structural failure. This included the NYPD aviation helicopter that was circling the World Trade Towers before their collapse.

http://www.skyscrapersafety.org/html/article_20040619.html

"The NYPD aviation unit reported critical information about the impending collapse of the buildings," lead investigator Shyam Sunder said at a presentation in midtown.

Now, look who happened to be with Giuliani throughout the ordeal.

http://www.globalsecurity.org/security/library/congress/9-11_commission/040518-sheirer.pdf

"I received a radio transmission from FDNY Captain Joe Folino, an OEM responder, who informed me that **the Mayor had requested that I join him and Police Commissioner Bernard Kerik** at 75 Barclay Street, where they were establishing a temporary executive command center. I left the North Tower lobby and went to Barclay Street."

*Emphasis Mine

It is reasonable to assume that Mr. Kerik learnt about these concerns from the aviation unit and voiced them to Giuliani.

Furthermore, there appears to be another possible explanation for Giuliani's foreknowledge of the WTC collapse. Just seconds into the collapse, people told Giuliani the building was coming down.
http://www.globalsecurity.org/security/library/congress/9-11_commission/040518-sheirer.pdf

"The Mayor was on the phone with the White House, and had been told the White House was being evacuated. Suddenly, the building began to shake, and someone yelled the towers were coming down. We could hear the roar of the building collapsing, and then there was silence and darkness."

http://myhero.com/myhero/hero.asp?hero=r_giuliani

"From there Giuliani, needing phone lines, commandeered a Merrill Lynch back office at 75 Barclay Street. After 45 minutes someone yelled, "Get down! It's coming down!" The force of the collapse flattened the building across the street"

<http://www.alumni.hbs.edu/bulletin/2002/april/nyc.html>

"The mayor also wanted to talk to the White House. As I handed him the phone, saying, 'Vice President Cheney is about to get on the line,' a police official ran in yelling, 'Get down! Everybody get down! It's coming down!' "

Section 2.17.3

53:23 Similarly, Larry Silverstein, new leaseholder of the World Trade Center, regretfully declared that **a decision was made to "pull" Building 7 by the end of the day** – the last structure added to the World Trade Center complex.

53:39 Let's hear Mr. Silverstein's actual words, delivered for our benefit in the 2002 PBS documentary "America Rebuilds":

Silverstein: "I remember getting a call from the fire department commander, telling me they were not sure they were going to be able to contain the fire, and I said, 'you know, we've had such a terrible loss of life, maybe the smartest thing to do is pull it', and they made that decision to pull, and then we watched the building collapse."

No decision was made to pull WTC7. Silverstein stated that a decision was made to "pull". So what could this mean? Well, as it turns out, Larry Silverstein's spokesperson later clarified Silverstein's comments.

<http://usinfo.state.gov/media/Archive/2005/Sep/16-241966.html>

"In the afternoon of September 11, Mr. Silverstein spoke to the Fire Department Commander on site at Seven World Trade Center. The Commander told Mr. Silverstein that there were several firefighters in the building working to contain the fires. Mr. Silverstein expressed his view that the most important thing was to protect the safety of those firefighters, including, if necessary, to have them withdraw from the building.

Later in the day, the Fire Commander ordered his firefighters out of the building and at 5:20 p.m. the building collapsed. No lives were lost at Seven World Trade Center on September 11, 2001.

As noted above, when Mr. Silverstein was recounting these events for a television documentary he stated, "I said, you know, we've had such terrible loss of life. Maybe the smartest thing to do is to pull it." Mr. McQuillan has stated that by "it," Mr. Silverstein meant the contingent of firefighters remaining in the building."

Funnily enough, there is also evidence to support this clarification. Note the wording used by Banaciski and the frequent use of the term “pulled”:
<http://tinyurl.com/v5rds>

"They told us to get out of there because they were worried about 7 World Trade Center, which is right behind it, coming down. We were up on the upper floors of the Verizon building looking at it. You could just see the whole bottom corner of the building was gone. We could look right out over to where the Trade Centers were because we were that high up. Looking over the smaller buildings. I just remember it was tremendous, tremendous fires going on. Finally they pulled us out. They said all right, get out of that building because that 7, they were really worried about. They pulled us out of there and then they regrouped everybody on Vesey Street, between the water and West Street. They put everybody back in there. Finally it did come down. From there - this is much later on in the day, because every day we were so worried about that building we didn't really want to get people close. They were trying to limit the amount of people that were in there. Finally it did come down." - Richard Banaciski

Larry Silverstein states that “they” made the decision to pull. This shows that he had no control over the order to pull. He merely implies that he made the suggestion to the FDNY Chief, Daniel Nigro (the fire department commander Silverstein refers to) to pull the fire teams due to “terrible loss of life”. Why would Larry Silverstein only make a mere suggestion to “pull” the building if the operation had been planned? If Silverstein did tell the fire department commander to demolish the building, we find it hard to believe that the word “**maybe**” would come into play if the building was already rigged for demolition.

9/11 Mysteries states that Larry Silverstein’s recommendation to “pull it” was an order to demolish the building. This would imply the Fire Chief’s complicity, seeing as “they” made the order to pull. What did Chief Nigro have to gain from demolishing WTC7? The suggestion that the FDNY somehow knew about, or ordered the demolition of WTC7 is utterly disgusting and dishonors the brave men and women who died on 9/11.

Larry Silverstein states that the reason to “pull it” was that the fires were uncontrollable and that there had already “such terrible loss of life”. Which of the following makes more sense?

- a) Silverstein saw that the fires were uncontrollable and realized how much life had already been lost – so he ordered a fireman to blow the building up; or
- b) Silverstein saw that the fires were uncontrollable and realized how much life had already been lost – so he ordered Chief Nigro to evacuate the building to prevent further loss of life.

The assertion that Larry Silverstein ordered an NYFD officer to demolish WTC7 to prevent loss of life is absurd. This is the exact assertion that 9/11 Mysteries makes.

Section 2.17.4

54:15 “Blast,” “shoot,” “blow” and “pull” are **terms used in the demolition industry to refer to bringing down buildings, bridges and other structures.**

Blaster 1: “Because I actually blew the hospital down that I was born in --”

Blaster 2: “Originally we had figured to shoot it -- let it drop straight down.”

Narrator: “Then, watch Demolition Dynamics attempt a big blast.”

54:37 And from **Ground Zero’s own post-disaster wrecking crew:**

Narrator: “By mid-December, the Department of Design and Construction had levelled World Trade Center buildings 4 and 5.”

Crew: “Hello? Oh, were **getting ready to pull Building 6.**”

9/11 Mysteries is correct in saying that these are all demolition terms. In demolition work, these terms are frequently used. However, it is the context in which “pull” is used that 9/11 Mysteries fails to note.

In demolition terms, “pull” is not used to describe bringing a building down with explosives. The term “pull” refers to demolishing a building by literally pulling it over with large cables.

Now that we know the context in which “pull” is used, we will look at the demolition of WTC6.

Image -> <http://www.911myths.com/assets/images/6Cables.jpg>

As you can see, there is a large cable connected to WTC6. This was the demolition method used on that building. It was literally pulled over using cables. A worker at the site of the WTC6 demolition says the following:

<http://www.911myths.com/PullBuildingSix.avi>

“Worker #1: We’ve got the cables attached in four different locations... [“going up”? hard to hear]... Now they’re pulling [gestures to vehicles] pulling the building to the north. It’s not every day you try to pull down a eight storey building with cables”

America Rebuilds documentary, 41 minute mark

In demolition terms, “pull” is used to describe the demolition of a building using cables. Explosives were not used in WTC6 due to the severe structural damage it had already suffered.

Section 2.17.5

55:01 Silverstein, a commercial real-estate tycoon with international political connections, acquired a 99-year lease on the World Trade Center complex in the spring of 2001.

Throughout the summer, **he reworked the insurance policies on his new property, making sure that it was covered for “acts of terrorism.”** Explicit in the lease agreement was Silverstein's right to rebuild the complex if it were destroyed.

9/11 Mysteries claims that Silverstein's insurance policy is unusual. The fact that the World Trade Center buildings were insured against terrorism just months before a terrorist act does actually seem unusual at first.

However, if we take a brief look into history, we will remember what happened to the World Trade Center complex on February 26th, 1993.

http://www.adl.org/learn/jtff/wtcb_jtff.asp

“On Friday, February 26, 1993, a massive explosion occurred in the public parking garage of the World Trade Center in New York City. As a result of the explosion, 6 persons were killed, and more than 1,000 injured. The site of the blast became one of the largest crime scenes in NYPD history. Estimates showed property damage in excess of onehalf billion dollars.”

As we can see, the World Trade Center was the subject of a previous terrorism incident. Silverstein would have had to be insane to ignore the threat of terrorism on his property after a previous attack.

Section 2.17.6

55:30 After 9/11, Mr. Silverstein fought in his insurers court to obtain double his policy limits for the destruction of his property, **maintaining that the double hijacking constituted two disasters caused by terrorists, not just one. He won, and was awarded over \$7 billion [dollars] – a magnificent return on his original (emphasize) \$15 million [dollar] investment.**

Silverstein: “My first reaction is to think about the families ...of those people – the tragedy -- the magnitude of it. However, **I firmly believe that we should rebuild.**”

Larry Silverstein's original investment for the World Trade Center was \$15,000,000USD. What 9/11 Mysteries ignores is the fact that Silverstein also had a \$3,200,000,000USD lease on the buildings.

Larry Silverstein's insurance was provided by 23-24 insurance companies. Two of these companies, ACE Bermuda and XL Insurance Ltd, settled in February 2002. Between the two, they paid Silverstein \$365 Million.

<http://tinyurl.com/32w34s>

“Under the settlement, the two insurers, ACE Bermuda Insurance Limited and XL Insurance (Bermuda) Ltd, will pay \$298 million and \$67 million respectively, for a total of \$365 million, within 30 days.”

Three more insurance companies paid Silverstein under the “one occurrence” language used in their policies, which defined the attacks on the World Trade Center as one terrorist act. Between the three, they paid Silverstein \$112 Million.

http://findarticles.com/p/articles/mi_m3601/is_9_49/ai_92850914

“Under the summary judgment, Royal Indemnity Company, Hartford Financial Services Group and St. Paul Companies are responsible for \$112 million of a single \$3.5 billion reimbursement.”

The remaining insurance companies were split into two groups for jury trials on the question of whether their policies were subject to the “one occurrence” or “two occurrence” language.

There were two trials. The first determined that 10 of the insurers (whose liability totaled \$1.9 billion) were subject to the “one occurrence” policy. The other three from this group were found to be subject to the “two occurrences” language and were added to the second trial.

<http://www.law.com/jsp/article.jsp?id=1082923373947>

“The so-called London insurers won outright. They will have to pay \$678.9 million to Silverstein, and not double that amount.

Joining the London insurers in the winner's circle were Federal Insurance Co., \$254.3 million; Employers Insurance of Wassau, \$64.9 million; Great Lakes Reinsurance, \$38 million; QBE International Insurance Ltd., \$12.5 million; Lexington Insurance Co., \$5 million, Copenhagen Reinsurance (UK) Ltd., \$4 million; and Houston Casualty Co., \$2.4 million.”

<http://quote.bloomberg.com/apps/news?pid=10000085&sid=alknDKhtrDSc&refer=europe>

A New York jury agreed with Swiss Reinsurance Co. that its World Trade Center coverage on Sept. 11, 2001, limited its maximum payout to \$877.5 million, handing developer Larry Silverstein his biggest defeat in a 2 1/2-year court battle with his insurers.

The second trial found that the remaining insurers had to pay Silverstein for “two occurrences”. This caused their \$1.1 billion in coverage to double, making them liable for \$2.2 billion.

As noted by 9/11 Mysteries, Larry Silverstein did try to claim that the attacks were two separate incidents. This was a wise business choice, made to minimize the loss on the company, and based on sound legal principles as shown by the court cases. However, Silverstein lost several cases and was **not** awarded \$7 billion USD.

If we add the figures, stated above, we reach a figure of \$4,577,000,000. This is quite a lot of money indeed. Nevertheless, it is hardly the \$7,000,000,000 that 9/11 Mysteries states. Furthermore, 9/11 Mysteries has ignored the costs of the rebuilding work (which Silverstein is responsible for).

<http://www.realestatejournal.com/regionalnews/20040430-starkman.html>

“Thus far, Ground Zero planning has been driven by Mr. Silverstein's lease with the Port Authority, which requires him to “restore” 10 million square feet of office space and make lease payments of \$120 million a year. The office space was to come in the form of five skyscrapers that Mr. Silverstein promised to complete for the site by 2013. The buildings, plus related infrastructure are estimated to cost more than \$9 billion. Of the total potential insurance payout, \$1.3 billion has already been spent on lawyers fees, financing buyouts, and Mr. Silverstein's fees and the return of his equity.”

There is no possible way that Larry Silverstein could have gained a profit from the events of 9/11. The claim that Larry Silverstein gained \$7 billion in profit is based on very poor research that fails to take into account the actual results of several legal battles.

2.18 WTC7

Section 2.18.1

56:48 **No plane hit Building 7. But at 5:20 p.m. on September 11th, it collapsed in a heap on the ground.** Some damage to Building 7 is **said to have been caused by debris from Tower 1.** Though this New York Times article tells us Building 7 “burned like a giant torch,” the **only visuals that exist are of unidentified smoke and a few small fires.** **Compare this to the wallops sustained by WTC 3 ... 4 ... 5 ... and 6:**

9/11 Mysteries uses very poor wording in their assessment of the damage caused to Building 7 by the collapse of Building 1. They state, “Some damage to Building 7 is said to have been caused by debris from Tower 1”. This is not only, “said to have been”, it is a proven fact.

The damage that WTC7 sustained from the collapse of WTC1 was actually very significant. On-site reports indicate this:

<http://www.firehouse.com/terrorist/911/magazine/gz/norman.html>

“From there, we looked out at 7 World Trade Center again. You could see smoke, but no visible fire, and some damage to the south face. You couldn’t really see from where we were on the west face of the building, but at the edge of the south face you could see that it was very heavily damaged.”

There are also several images available which detail the damage sustained to WTC7:

Image -> http://images.911mysteriesguide.com/WTC7_Damage1.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Damage2.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Damage3.jpg

Further investigation into witness accounts reveals the extent of this damage. Keep in mind that this has all been caused by the collapse of WTC1.

<http://www.firehouse.com/terrorist/911/magazine/gz/boyle.html>

“Boyle: ...on the north and east side of 7 it didn’t look like there was any damage at all, but then you looked on the south side of 7 there had to be a hole 20 stories tall in the building, with fire on several floors. Debris was falling down on the building and it didn’t look good.

Boyle: There was a huge gaping hole and it was scattered throughout there. It was a huge hole. I would say it was probably about a third of it, right in the middle of it. And so after Visconti came down and said nobody goes in 7, we said all right, we’ll head back to the command post. We lost touch with him. I never saw him again that day.”

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110462.PDF

“Captain Varriale told Chief Coloe and myself that 7 World Trade Center was badly damaged on the south side and definitely in danger of collapse. Chief Coloe said we were going to evacuate the collapse zone around 7 World Trade Center, which we did.”

<http://www.cooperativeresearch.org/entity.jsp?id=1521846767-634>

“The biggest decision we had to make was to clear the area and create a collapse zone around the severely damaged [WTC Building 7]. A number of fire officers and companies assessed the damage to the building. The appraisals indicated that the building’s integrity was in serious doubt.”

<http://www.firehouse.com/terrorist/911/magazine/gz/hayden.html>

“Early on, we saw a bulge in the southwest corner between floors 10 and 13, and we had put a transit on that and we were pretty sure she was going to collapse. You actually could see there was a visible bulge, it ran up about three floors. It came down about 5 o’clock in the afternoon, but by about 2 o’clock in the afternoon we realized this thing was going to collapse.”

9/11 Mysteries mentions that the only visuals that exist show “unidentified smoke and a few small fires”. The reason for the lack of images of fires can ironically be linked to the “unidentified” smoke. This smoke is the result of fires within WTC7. The entire southern face of WTC7 was literally covered in smoke. We can see this in a number of images:

Image -> http://images.911mysteriesguide.com/WTC7_Smoke1.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Smoke2.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Smoke3.jpg

This is why there is not much visible fire within WTC7. This much smoke cannot be produced by a “few small fires”. If we look at the accounts of the brave firefighters who worked near WTC7 on 9/11, we can see clear explanations of the fire and damage at WTC7.

<http://tinyurl.com/8k3yb>

“They told us to get out of there because they were worried about 7 World Trade Center, which is right behind it, coming down. We were up on the upper floors of the Verizon building looking at it. You could just see the whole bottom corner of the building was gone. We could look right out over to where the Trade Centers were because we were that high up. Looking over the smaller buildings. I just remember it was tremendous, tremendous fires going on. Finally they pulled us out.”

http://www.nytimes.com/packages/html/nyregion/20050812_WTC_GRAPHIC/Cruthers.txt

“Early on, there was concern that 7 World Trade Center might have been both impacted by the collapsing tower and had several fires in it and there was a concern that it might collapse.”

Please note that all these fires burned uncontrolled for up to 6 hours.

Section 2.18.2

57:27 Positioned right below the towers, **damage to the surrounding World Trade Center buildings was infinitely worse. Still, the structures held up.** But somehow **rescue workers knew that Building 7 would fall.**

Firefighter 1: “Did you hear that?”

Firefighter 2: “Keep an eye on that building. It’ll be coming down soon.”

World Trade Center buildings 3, 4, and 5 were constructed far differently to World Trade Center 7. They were nowhere near as tall as World Trade Center 7 and had only sustained damage on the top floors.

Due to the fact that damage to WTC3, WTC4 and WTC5 was caused to the top of the structure (from falling debris), none of the buildings had any extra weight problems of the nature that would cause global collapse. As we know from examining the several quotes previously stated in this section of the guide, there was a 20-story hole in the lower southwestern section of WTC7.

9/11 Mysteries does not deal with the damage sustained from falling debris and the fire in the same context. They attempt to dissect the two occurrences into two separate events.

9/11 Mysteries also correctly states that firefighters suspected that Building 7 would collapse. What they do, though, is imply that the brave men and women serving the FDNY knew that the building was going to collapse in a controlled demolition. This is a gross misinterpretation of the testimony provided by several FDNY members after the attacks.

Firefighters raised concerns that Building 7 would collapse due to structural failure, not due to controlled demolition. The fact that 9/11 Mysteries implies that the firefighters are aware that the towers were demolished by controlled demolition, but choose to cover it up, is absurd. By taking the quotes of these first responders out of context, 9/11 Mysteries implies that these firefighters had advance knowledge of the mass murder of thousands of innocent lives. This is utterly disrespectful to those who served and died trying to save the innocent on 9/11. 343 firefighters died at the World Trade Center on September the 11th 2001. To make the assertion that their brothers were complicit in their murders is appalling and shows a serious lack of respect for the fallen.

Several quotes are available that show why the firefighters expected WTC7 to collapse. Please note that none of them states anything about a controlled demolition.

<http://www.firehouse.com/terrorist/911/magazine/qz/hayden.html>

"By now, this is going on into the afternoon, and we were concerned about additional collapse, not only of the Marriott, because there was a good portion of the Marriott still standing, but also we were pretty sure that 7 World Trade Center would collapse. Early on, we saw a bulge in the southwest corner between floors 10 and 13, and we had put a transit on that and we were pretty sure she was going to collapse. You actually could see there was a visible bulge, it ran up about three floors. It came down about 5 o'clock in the afternoon, but by about 2 o'clock in the afternoon we realized this thing was going to collapse."

"It was a heavy body of fire in there and then we didn't make any attempt to fight it. That was just one of those wars we were just going to lose. We were concerned about the collapse of a 47-story building there."

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110462.PDF

"Captain Varriale told Chief Coloe and myself that 7 World Trade Center was badly damaged on the south side and definitely in danger of collapse. Chief Coloe said we were going to evacuate the collapse zone around 7 World Trade Center, which we did."

"They backed me off the rig because seven was in dead jeopardy, so they backed everybody off and moved us to the rear end of Vesey Street. We just stood there for a half hour, 40 minutes, because seven was in imminent collapse and finally did come down."

<http://tinyurl.com/8k3yb>

"They told us to get out of there because they were worried about 7 World Trade Center, which is right behind it, coming down. We were up on the upper floors of the Verizon building looking at it. You could just see the whole bottom corner of the building was gone. We could look right out over to where the Trade Centers were because we were that high up. Looking over the smaller buildings. I just remember it was tremendous, tremendous fires going on. Finally they pulled us out. They said all right, get out of that building because that 7, they were really worried about. They pulled us out of there and then they regrouped everybody on Vesey Street, between the water and West Street. They put everybody back in there. Finally it did come down. From there - this is much later on in the day, because every day we were so worried about that building we didn't really want to get people close. They were trying to limit the amount of people that were in there. Finally it did come down."

http://graphics8.nytimes.com/packages/pdf/nyregion/20050812_WTC_GRAPHIC/9110117.PDF

Then we found out, I guess around 3:00 o'clock, that they thought 7 was going to collapse. So, of course, we've got guys all in this pile over here and the main concern was get everybody out, and I guess it took us over an hour and a half, two hours to get everybody out of there. ... So it took us a while and we ended up backing everybody out, and that's when 7 collapsed.

As you can see, several firefighters made the judgment that WTC7 would collapse purely based on the structural integrity of the building.

Section 2.18.3

57:48 A 47-story skyscraper, **Building 7 folded neatly, in 6-and-a-half seconds. A textbook descent right into its footprint.** Silverstein Properties now tells us that its owner was referring to the team of firefighters inside the building when he spoke of the decision to "pull." Pulling the firemen out of harm's way.

World Trade Center 7 did not collapse into its footprint at all. Of course, it looks that way when we see one angle of video, but photos from Ground Zero tell a completely different story.

This is a photo of WTC7's debris spilling onto Barclay Street.

Image -> http://images.911mysteriesguide.com/WTC7_Footprint1.jpg

As you can see, quite a lot of damage was done to the surrounding structures as a result of WTC7's collapse. Another example of such damage is 30 West Broadway Street. As you can see in the following photograph, this is not simply scratched paint or broken glass.

Image -> http://images.911mysteriesguide.com/WTC7_Footprint2.jpg

Further photographs and professional reports also detail the damage sustained to 30 West Broadway as a result of the collapse of WTC7.

Image -> http://images.911mysteriesguide.com/WTC7_Footprint3.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Footprint4.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Footprint5.jpg

<http://mceer.buffalo.edu/publications/wtc/02-SP02Screen.pdf>

"As WTC7 collapsed, it fell partly on an adjacent building at 30 West Broadway, causing significant damage. Beams were also permanently distorted by the impact."

Another building to be damaged by the collapse of WTC7 was the Verizon Building at 140 West Street.

Image analysis and expert reports also detail the damage sustained to the Verizon Building by WTC7's collapse.

<http://mceer.buffalo.edu/publications/wtc/02-SP02Screen.pdf>

“The collapse of World Trade Center 7 damaged the adjacent Verizon building.”

Large segments of the WTC 7 braced framing were lodged against the Verizon building, which also suffered notable perforations in its framing and cladding. In particular, a steel column was severely distorted, presumably by debris impact”

9/11 Mysteries states that the WTC7 collapse time was 6.5 seconds. This may be true for the amount of time that the exterior of the building took to collapse to the ground. However, there is one very important thing that 9/11 Mysteries misses.

8.2 seconds before the collapse of WTC7, the first of two mechanical penthouses on the roof of WTC7 collapsed into the building. This is evidence of structural failure within the building more than 8 seconds before the global collapse began. There were no accompanying explosions heard or seen by anyone when this happened.

<http://www.youtube.com/watch?v=CLHwwwJCMgk>

The above video shows in detail the collapse of the penthouses.

The total collapse time of WTC7 is 8.2 seconds (time between penthouse collapse and global collapse) added to 6.6 seconds (global collapse). This gives us a total collapse time of 14.8 seconds from the collapse of the penthouse to the moment that the top of WTC7 hit the ground.

These collapse times are backed up by the preliminary NIST report of WTC7 and several seismic recording sources.

Section 2.18.4

58:13 However, there **WERE no firefighters in Building 7, according to FEMA, N.I.S.T. and fire chief Frank Fellini. They were ordered out at 11:30 that morning. Six hours later, the building came down.**

Eyewitness: "You know, we heard this -- this sound -- it sounded like a clap of thunder. Turned around, and 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.

NIST does not state that firefighters were ordered out of WTC7 at 11:30 in the morning. In fact, this is what they state:

<http://wtc.nist.gov/pubs/NISTNCSTAR1-81.pdf>

"No accurate time is available for these actions during the WTC 7 operations; however, the sequence of event indicates that it occurred during a time period from 12:30 p.m. to approximately 2:00 p.m.

At approximately 5:20 p.m., some three hours after WTC 7 was abandoned the building experienced a catastrophic failure and collapsed."

Several firefighters on the scene reported being pulled out of the building and surrounding areas much closer to the collapse time than 11:30am.

http://www.nytimes.com/packages/html/nyregion/20050812_WTC_GRAPHIC/Ryan_William.txt

"Then we found out, I guess around 3:00 o' clock, that they thought 7 was going to collapse. So, of course, we've got guys all in this pile over here and the main concern was get everybody out, and I guess it took us over an hour and a half, two hours to get everybody out of there..."

<http://www.firehouse.com/terrorist/911/magazine/gz/hayden.html>

"We pulled everybody back probably by 3 or 3:30 in the afternoon. We said, this building is going to come down, get back. It came down about 5 o'clock or so, but we had everybody backed away by then."

Firefighters were in, and in close proximity to, WTC7 up until 2:30 – 3:30PM. This is when the "pull it" order was issued and firefighters were ordered to pull back from the building.

Section 2.18.5

58:44 Radio host **Alex Jones** notes the mark of a classic implosion:

9/11 Martial Law - Alex Jones: **"This is a photo taken one second into Building 7's collapse. Notice the 'crimp.' If we look at other controlled demolitions, we see that they first 'blow' one of the central columns, so the building falls in on itself. If you don't do this, the building falls outward, and can damage surrounding structures. Building 7 had a classic 'crimp,' or 'wedge.' Its central column was blown out first, so it didn't structurally damage buildings just a few feet away from it."**

Alex Jones' 'crimp' is located on the eastern side of WTC7. This just happens to be where the mechanical penthouse collapsed into WTC7 8.2 seconds before the collapse.

The preliminary NIST report into WTC7 indicates that the failure of these columns was caused by the following:

<http://wtc.nist.gov/pubs/WTC%20Part%20IIC%20-%20WTC%207%20Collapse%20Final.pdf>

"NIST continues to evaluate the factors that could have caused column 79, 80, or 81 to fail

Possible contributing factors include:

- Damage to components adjacent to truss #2 from debris impact
- Damage to fireproofing from normal activities prior to event or debris damage
- Unusual fuel loads (fuel lines, high density of building contents)"

NIST's team of qualified scientists did consider the controlled demolition hypothesis for the destruction of WTC7. They did not find any evidence to support this theory.

Alex Jones makes specific mention of the reason for "blowing" the column. He states that the reason for this is so WTC7 "didn't structurally damage buildings just a few feet away from it". This is the reason why columns are blown in a controlled demolition. However, previous analysis shows us that surrounding structures were severely damaged. Please see the previous sections of this chapter (WTC7) for this analysis.

In reference to blowing the column, Alex Jones states, "if you don't do this, the building falls outward, and can damage surrounding structures". However, WTC did lean outwards as it fell. The following images indicate WTC7 leaning to the South as it collapses.

Image -> http://images.911mysteriesguide.com/WTC7_Tilt1.jpg

Image -> http://images.911mysteriesguide.com/WTC7_Tilt2.jpg

Section 2.18.6

59:19 Remember **the Mayor's emergency bunker?** Ensconced on the 23rd floor of Building 7, it was retrofitted with super-glass, water, oxygen and its own generator. But **Mayor Giuliani chose to find emergency shelter elsewhere on September 11th.**

WTC7 was in the same complex as WTC1 and WTC2. Basic logic would lead people to the conclusion that camping out in the same area as the attack would be a bad idea.

From reading this chapter of the Viewers Guide, we know that WTC7 suffered impacts from segments of WTC1, creating an enormous hole in the bottom corner of the building. We also know that the building was on fire for 6 hours, and eventually collapsed.

Does that sound like a good place to take shelter?

Furthermore, as far as Giuliani knew, WTC7 could also have been a target of a hijacked aircraft.

Section 2.18.7

59:39 Why Building 7? Even the media and its experts were confused. The History Channel interviews **structural engineer Ramon Gilsanz, who points out the obvious crimp and even speaks of the "implosion."**

Narrator: "Engineers are not just focusing on the Twin Towers. The most disturbing structural event [sic] was not that the Twin Towers fell, but that Tower 7, ignited by flying debris, fell due to fire alone."

Gilsanz: "Building 7 was a steel-framed building, and it's the first steel-framed building that has collapsed due to fire. The failure of the building was an implosion. It failed completely different from Towers 1 and 2, in which the floors failed first."

Ramon Gilsanz is a qualified structural engineer. What 9/11 Mysteries fails to realize is the simple fact that Gilsanz still supports the official story even after pointing out the crimp and "implosion". Please note that the context in which Gilsanz says "implosion" in does not indicate a controlled demolition.

So now, you are probably asking how we know that Gilsanz supports the official story. Well, Ramon Gilsanz is actually one of the hundreds of engineers working on the NIST reports. None of which conclude that any kind of controlled demolition occurred on 9/11.

http://wtc.nist.gov/solicitations/wtc_awardR0028.htm

"All three founding Partners, Mr. Ramon Gilsanz, Mr. Philip Murray, and Mr. Gary Steficek, will be involved in this project. Mr. Gilsanz will act as the Principal for the project team."

This is just one example of the several professionals that 9/11 Mysteries uses in their film, who do not support the assertions of the film.

Section 2.18.8

1:00:22 Why Building 7? Let's ask the question again. As the WTC command center, **was it the hub for the 9/11 plan?** ... Also, In 6-and-a-half seconds, **lost forever were thousands of SEC case files on corporate fraud, including those relating to the notorious activities of giants Worldcom and Enron.** A few indictments for stock fraud, but what of the \$70-billion-dollar California electricity swindle? **It disappeared.**

9/11 Mysteries provides very poor motives for the destruction of WTC7. The first motive is insurance fraud on the part of Larry Silverstein. That has already been debunked in this chapter of the Viewer's Guide.

The second motive suggested by 9/11 Mysteries involves case files for corporate fraud. If WTC7 was destroyed to destroy case files, consider this. Nearly 3,000 people died on 9/11, none of them in WTC7. Flying Flight 77 into the Pentagon, crashing Flight 93 into a field in Pennsylvania, and even flying Flight 175 into WTC2, did nothing to assist in destroying case files.

There would have been several easier ways to destroy these files. One plane into WTC7 would have presumably caused minimal casualties and done sufficient damage to destroy the files. According to conspiracy theorists, the files could have even been destroyed without any mass event. Conspiracy theorists claim that bombs were placed in WTC7. To do this, high-level access to the structure would have been needed to place charges within the building. Why not just use this access to steal and destroy the files?

Hundreds of people would have either had foreknowledge, or been involved in destroying WTC7 if the conspiracy theory was true. Yet, to this date, none have come forward.

Several hard drives were recovered from the rubble. Information was successfully recovered from several of these drives.

<http://archives.cnn.com/2001/TECH/industry/12/20/wtc.harddrives.idg/>

"The company has completed processing 39 drives; another 42 have arrived, and a further 20 drives are expected in early January, Wagner said."

The 9/11 Commission also investigated this issue extensively, trying to discover any information that would suggest foreknowledge of the attacks. There was no information found to indicate any kind of foreknowledge of the attacks.

http://www.9-11commission.gov/staff_statements/911_TerrFin_Monograph.pdf

Pages 145-152

2.19 Tower Security and Evacuation

Section 2.19.1

1:01:04 No one died in the collapse of Building 7. It was vacated well in advance of its implosion. But not the Twin Towers. **Why weren't police, firemen and civilians in these buildings told what to expect?** Tragically, employees in the towers were advised to return to their offices.

Female office worker: "The announcement came on that everything was fine. Tower 1 they were evacuating, but Tower 2 was fine, and we could go back to our offices."

Stanley Praitnath: "We were about to go through the turnstile ... the security guard says, 'Where you guys are going?' I said, 'Well, I'm going home because I saw fireballs coming down.' He said, 'No, your building is safe, it's secured. It is safer to stay in your building. Go back to your office.'"

Police inside the towers were told what to expect.

http://www.skyscrapersafety.org/html/article_20040619.html

"The NYPD aviation unit reported critical information about the impending collapse of the buildings," lead investigator Shyam Sunder said at a presentation in midtown.

Many emergency workers who died on 9/11 were aware of the danger in which they were putting themselves. They entered the buildings to help people evacuate the towers anyway.

It is hard to see how this argument does anything for the case that 9/11 Mysteries is presenting, unless they are accusing security staff of assisting in the murder of thousands of people. Although 9/11 Mysteries appears to avoid making this assertion directly, they do appear to hint at it.

Section 2.19.2

1:01:49 Stanley Praitnath returned to the 81st floor. Then:

Stanley Praitnath: "I just happened to raise my head, looking straight towards the Statue of Liberty, and what I saw was a giant airplane coming straight towards me."

1:02:07 The South Tower was hit between the 78th and 84th floors. Trapped on the 81st floor by crushing debris, Stanley was rescued by Brian Clark. Slowly and painfully, they made their way down a stairwell to freedom. Outside, Stanley had a feeling of uncanny prescience for what was to come:

Brian Clark: "And we peered through railing up through the trees at the tower, and Stanley said, 'You know, I think that tower could come down.'"

Stanley Praitnath: "**I don't know why I am telling this man, 'This building is going', but I knew it was not over.**"

Brian Clark: "And I said, 'There's no way. That's a steel structure. That's just draperies and carpets and furniture burning. You know -- there's no way ...,' and I didn't finish my sentence when the tower started to slide. And I can still remember hearing -- first of all, this boom, boom, boom -- explosions..."

A lot of this section of the film is purely witness testimony. We do not disagree with what any of these men and women (witnesses) are saying. We do believe, however, that 9/11 Mysteries is misrepresenting them with the use of their testimony.

If we study Stanley Praisnath and Brian Clark's accounts, we see nothing to help the case for controlled demolition. Stanley tells Brian he thinks the building will fall. He does not mention explosives, bombs or demolitions of any sort. In fact, it is far more likely that Stanley's comments are based on a "gut feeling" more than anything else. However, it is still more likely his fear of collapse was based on the condition of the tower as opposed to seeing explosives.

In the next part of 9/11 Mysteries, the film itself even claims that Stanley and Brian's comments are based on "intuition". If this is the case, how does this help back their claims at all? Why is it in the film?

Section 2.19.3

1:03:10 Not all were blessed with intuition or foresight. Joseph Milanowycz reached his son Greg by cell phone:

Joseph Milanowycz: "Greg at that time, I could tell by his voice, was scared. He said to me, 'Dad, could you get in touch with someone and tell them that there's about 20 of us on the northeast corner of the 93rd floor.'"

Narrator: "Greg had been about to leave the South tower after the North Tower was attacked, but was told it was safer to return to his desk." Joseph Milanowycz: "A couple of times he said, 'Why did I listen? Why did I listen?'"

No rebuttal is needed for this section of 9/11 Mysteries. This is merely an eyewitness account that does nothing for the assertions that 9/11 Mysteries is making.

Section 2.19.4

1:03:53 Who was a director in the company that **provided electronic security for the World Trade Center and Washington's Dulles Airport – both involved in September 11th? None other than the president's younger brother.**

1:04:09 **From 1996 to 2000, Securacom installed what was referred to as "a new security system" at the World Trade Center. Wirt D. Walker III, a cousin of the Bush brothers, was CEO of Securacom from 1999 until 2002. Interestingly, these facts have not been made public. Was it only a security system that was added during those years ... or was it also the wiring for a long-awaited plan?**

This is a classic example of the several lies we are told when watching 9/11 Mysteries. There are several obvious mistakes in the film, but this is one of the deliberate "errors".

http://www.washingtonspectator.com/articles/20050215bushes_3.cfm

"Securacom got the \$8.3 million World Trade Center security contract in October 1996 and received about \$9.2 million from the WTC job from 1996 (a quarter of its revenues that year) to 1998. **But in 1998, the company was "excused from the project" because it could not fulfill the work, according to former manager Al Weinstein, and the electronic security work at the WTC was taken over by EJ Electric, a larger contractor.**"

9/11 Mysteries says that Securacom had the WTC contract up until 2000. Legitimate sources appear to show that 9/11 Mysteries is lying. The Securacom deal ended in 1998 – 3 years before 9/11.

Marvin Bush was still involved in a company that had business related to 9/11 though. However, upon looking into the details of this connection, this only damages the case provided to us by 9/11 Mysteries. Marvin Bush was an adviser to HCC insurance.

http://www.washingtonspectator.com/articles/20050215bushes_3.cfm

“Bush left Stratesec after 1999 but currently remains an adviser to HCC Insurance. HCC lost \$29 million at 9/11, largely from World Trade Center property losses, medical payouts in New York City, and workers' compensation reinsurance losses.”

This leaves us wondering why Marvin Bush would be involved in an event that caused a company he was affiliated with to lose \$29,000,000USD.

Next up is the Wirt D. Walker III connection. 9/11 Mysteries claims that Wirt D. Walker III is a cousin of the Bush family. This is categorically false. Wirt Dexter Walker III is a descendant of Wirt Dexter Walker, a Chicago railroad tycoon. He is not descended from George Herbert Walker, the St. Louis banker, who is the great-grandfather of President Bush. Despite the similarity of names, Stratesec is the only connection between the families.

The burden of proof is on 9/11 Mysteries to prove that Wirt D. Walker III is actually a cousin of the Bush brothers. They do not attempt to prove this, and do not even show a photo of him. In our research, the only sites we found that cite this connection do not provide any sources and all appear to be conspiracy theory websites. We found little information in general about Wirt D. Walker III. However, Wikipedia does say this:

http://en.wikipedia.org/wiki/Wirt_Walker

“Walker is the great-grandnephew of his namesake Wirt D. Walker (1860-1899), a successful railroad entrepreneur and philanthropist from Chicago who became blind and helped found the Art Institute of Chicago. They are descended from James M. Walker of New Hampshire. Although frequently cited as a cousin of Marvin Bush, who is a descendant of George Herbert Walker of St. Louis, there is no connection between the families.”

9/11 Mysteries states that the information they contain in their film “has not yet been made public”. This is yet another example of a falsehood in the film. Are we supposed to believe that 9/11 Mysteries somehow gained classified information and contained it in their film? Personally, we would rather trust reliable sources. Using publicly available information, we have shown how 9/11 Mysteries has misled its viewers on several occasions.

Finally, 9/11 Mysteries speculates that the security deal was in place so the planners of 9/11 could wire the building for demolition. They speculate that “the wiring for a long awaited plan” was installed as opposed to, or along with, a new security system. They provide no evidence whatsoever to back their claims up.

Section 2.19.5

1:04:41 Scott Forbes, an IT specialist in a firm that had leased space in the South Tower since its erection, **reported an unprecedented “power down” in his building for almost the whole weekend prior to 9/11.**

Scott Forbes: “We were notified three weeks in advance of the power down by the Port Authority. **That was relatively short notice to plan to shut down all of our banking systems. It was a big deal. It was unprecedented.** We had a data center on the 97th floor, so our originating servers were all there. **During that weekend, the power down meant there was no security. The doors were all open, basically. And also, the security video cameras were all off. But, there were guys in overalls carrying huge toolboxes and reels of cable ... walking around the building on that weekend.**”

The Twin Towers were home to many very large and very important companies. Simply having all their systems and the security to their systems shut off would have been extremely inconvenient. Hundreds, if not thousands of people who worked in the towers and other staff from the affected companies would have had to have known about this alleged power-down. So where are they?

In an interview, Scott Forbes admits he cannot verify that a power-down occurred on the floors below his own.

<http://georgewashington.blogspot.com/2005/11/interview-with-scott-forbes.html>

GW: How do you know that there was no electricity from floor 50 up, if Fiduciary Trust was on much higher floors -- starting at the 90th floor?

“SF: I can't absolutely verify that there was no power on lower floors ... all I can validate is that we were informed of the power down condition, that we had to take down all systems and then the following day had to bring back up all systems ...”

Let's look at just some of the tenants of the WTC2 that would have been affected by a massive power-down. We have the First Commercial Bank (Floor 78), Fuji Bank (Floors 78 – 92), Fiduciary Trust and the Atlantic Bank of New York.

Those are only tenants on, or near, Scott Forbes' floor. To put it simply, none of these companies would have tolerated having all their systems and security shut off, and they would certainly have objected to having all their offices shut down.

This is the only scenario proposed by 9/11 Mysteries that attempts to explain how a controlled demolition could be prepared in a packed office building: a power-down over a maximum of 50 floors in WTC2. So, what about WTC1 and WTC7? We are not offered any possible explanation for how those buildings could have been prepared for a demolition without one person noticing.

According to Scott Forbes, the power down in WTC2 lasted 26 hours:

<http://georgewashington.blogspot.com/2005/11/interview-with-scott-forbes.html>

SF: All systems were shutdown on Saturday morning and the power down condition was in effect from approximately 12 noon on Saturday September 8, 2001.

GW: When did it end?

SF: Approximately 2PM on Sunday 9/9.

26 hours is not a lot of time at all. If we look at past examples of controlled demolitions, the idea that a busy 110-story skyscraper was prepared for a controlled demolition in 26 hours quickly becomes absurd.

<http://www.controlled-demolition.com/default.asp?regLocId=6®ItemId=20020304145120>

"In 24 days, CDI's 12 person loading crew placed 4,118 separate charges in 1,100 locations on 9 levels of the structure. Over 36,000 ft. of detonating cord and 4,512 non-electric delay devices were installed in CDI's implosion initiation system."

Can you imagine how much longer this would have taken if the workers had to hide all the detonating cord and shaped charges?

In the unlikely event that Scott Forbes' uncorroborated tale is true, not enough time was provided for the preparation of a controlled demolition.

Section 2.19.6

1:05:33 Employees were notified that Internet cables were being upgraded. But who were the strange workmen and what were they really doing?

William Rodriguez: "**All the power was shut down.** If there was a power down, that meant that everything was gone in terms of security -- in terms of access to the building -- so anybody could have come there and done any kind of set-up."

1:06:03 Having worked overtime to get his company's servers back up, Scott took the day off on September 11th. As he watched the towers collapse from New Jersey that morning, he was sure this had been the purpose of the mysterious weekend work. Scott notified many authorities, including the 9/11 Commission, about the unusual and lengthy power outage, but was ignored.

No reason is provided to believe that the workers sighted around the World Trade Center were doing anything but upgrading the internet cabling. 9/11 Mysteries constantly uses questions as evidence and never provides evidence to back up their assertions. Detonation cord that is used in controlled demolition does not look anything like other cables. 9/11 Mysteries even shows us this themselves earlier in the section of the film entitled "The Demolitions Industry".

William Rodriguez claims "all the power was shut down". This is quite clearly a blatant lie on Mr. Rodriguez' part. There were over 50,000 people working in the World Trade Center. More than two would have made a statement if the power to the complex had been shut off for the entire weekend before the events of 9/11. A power-down of both towers, like Rodriguez claims, would have made national news, not to mention that a total power-down would have been noticed by a significant portion of the New York City population.

This is what the whole of New York City would have seen if Forbes is telling the truth.

Image -> http://images.911mysteriesguide.com/WTC2_powerdown.jpg

Please note the above image has been altered for demonstrational purposes.

If Scott Forbes was telling the truth, he would have no trouble getting people to corroborate his accounts. The whole of New York City would have seen the power-down, and people inside the towers would have known about it. The fact remains that not one person has confirmed Forbes' statements.

Section 2.19.7

1:06:30 Ben Fountain of Fireman's Fund spoke of **unusual evacuations ordered at the Twin Towers during the weeks before September 11th**. Others reported that the **security alert was inexplicably lifted five days prior**, and **bomb-sniffing dogs were removed**. **What would the dogs have discovered had they remained on duty?**

Two weeks before 9/11, extra security was called in as a response to several phone-in threats. This security was removed five days prior to 9/11 due to the absence of further threats.

9/11 Mysteries makes the assertion that the evacuations that took place within the towers before 9/11 occurred so that demolition workers could do their work. 9/11 Mysteries implies that during these evacuations, a controlled demolition was fully, or partially prepared. This would involve demolition crews entering the building undetected, stripping walls surrounding the cores and perimeter columns, placing thousands of pounds of explosives on these columns, wiring the explosives together, hiding the explosives, replacing the walls surrounding the cores and perimeter columns and, finally, making sure they didn't leave any mess right before leaving completely undetected. Keep in mind that these evacuations were very brief.

In the hypothetical scenario that bombs were placed within the World Trade Center in the days leading up to 9/11, sniffer-dogs within the towers, without a doubt, would have detected the explosive devices. This is the reason that this section of 9/11 Mysteries severely damages its own case. Why, you ask? Because not **all** bomb sniffing dogs were removed before 9/11. Only **extra** security that was operating at the World Trade Center was removed. The security level never went below normal levels.

<http://www.portauthoritypolicememorial.org/sirius.htm>

"Police K9 **Sirius was a bomb detection dog with the Port Authority of New York and New Jersey Police Department**. He and his handler, Police Officer David Lim, were assigned to the World Trade Center, where they often searched hundreds of trucks and vehicles each day, as part of America's "War on Terrorism." Sirius was the only police dog **killed by the terrorists on September 11th** and, perhaps, the only American police dog ever killed by international terrorists."

<http://www.novareinna.com/bridge/sirius.html>

"Sirius, along with his partner, Police Officer David Lim, were assigned to the World Trade Center in New York, where their primary duty was to check vehicles entering the Complex, clear unattended bags and sweep areas for VIP safety."

Sirius did not discover any explosives leading up to 9/11. If the thousands of pounds of explosives that would have been needed to bring the towers down in a controlled demolition were placed in the towers, Sirius would have detected them. This alone is proof that no explosives were inside the World Trade Center before 9/11. This is especially true for the basements of the towers, where Sirius spent the morning of 9/11 and where, sadly, he died.

2.20 Urban Renewal

Section 2.20.1

1:07:00 Not long after the disaster, Lower Manhattan saw banners like this one:

1:07:07 Although they were idolized as cathedral-like symbols of power and triumph that pierced the New York skyline, **the Twin Towers were big money-losers for the Port Authority of New York. They cost millions a year to equip with the basics – electricity, water, heat, air-conditioning, sewage and even oxygen – being airtight.** As modern communications connected traders from all corners of the globe, **tenancy in the Twin Towers continued to drop.**

Text: "... a financial misfit, unsuited to fiber-optic and Internet technologies ... an albatross" – **John Perkins Author**, Confessions of an Economic Hit Man

9/11 Mysteries claims that the "Twin Towers were big money-losers for the Port Authority of New York". However, the film does not provide a source for its claims. All it would have taken to provide a huge credibility leap for the film was to include sources for the claims presented. The reason 9/11 Mysteries does not present a source for this claim is the simple fact that the claim is false.

In May, 1998, The New York Times published an article titled "Commercial Property/Downtown; At the World Trade Center, Things are Looking Up". The article title is fairly self-explanatory, but the following should be noted:

<http://tinyurl.com/yyasxc>

"In January 1997 we had about an 80 percent occupancy rate," said Cherrie Nanninga, director of real estate for the Port Authority of New York and New Jersey, which owns the complex. Twenty percent of 10.5 million square feet of space is 2.1 million, which would be a substantial building by itself.

But as a result of the last year's work, Ms. Nanninga, said the complex is over 90 percent occupied and expects to it reach the 95 percent mark by the end of the year. That, she said, would be about as full as the center is likely to get, since there is almost always someone moving in or out. "Ninety-seven percent occupancy would be full," said Ms. Nanninga, whose name is pronounced NAN-in-gay."

True, that article is from 1998, but further research leads us to a Port Authority press release from February 2001. The tenancy problems at the World Trade Center did not return. In fact, things had only improved since May 1998.

<http://tinyurl.com/yy7ynj>

"As Real Estate Director, a position Mrs. Nanninga has held since 1996, the occupancy rate at the trade center has risen from 78 percent to a healthy 98 percent, retail soared in the trade center's mall, and available office space in the Newark Legal Center has nearly been filled.

Today, only about 250,000 of the 10.4 million square feet of office space in the trade center remains vacant. And the legal center has an occupancy rate of over 99 percent."

As you may have noted, there are no signs of tenancy problems contained in the Port Authority press release. In fact, the Port Authority document outlines several distinct improvements.
<http://tinyurl.com/yy7yni>

“Sales at the trade center's retail mall also have risen dramatically. In 1996, the mall's retail establishments averaged approximately \$500 per square foot. Today, sales have doubled, and are expected to reach \$900 per square foot by the end of this year, which is expected to make the trade center mall the third most profitable in the country. And major national retailers, such as Banana Republic, Coach and Godiva have opened stores in the trade center mall to cater to a daily audience of 40,000 employees and thousands of visitors. Many of these retailers indicate that their trade center stores are among their top sales producers in the country.”

Another claim made by 9/11 Mysteries is that the Twin Towers were “big money-losers for the Port Authority of New York”. Again, we are not provided with a source. The only evidence offered to back this claim up relates to expenditures. 9/11 Mysteries states that because the World Trade Center needed to be provided with “electricity, water, heat, air-conditioning, sewage and even oxygen”, the towers were losing millions of dollars for the Port Authority. This is not a valid investigation and is certainly not suitable in any documentary.

The point is that all buildings need to be equipped with these basics. Just because they cost millions of dollars to provide, does not mean that the building is losing money. This is why tenants pay rent. If the Twin Towers were losing money at 98% capacity, the Port Authority would have raised the cost of rent for tenants. It is safe to assume that financial analysts would be more than capable of setting tenancy rates high enough to cover the buildings costs, especially when the buildings were almost full.

9/11 Mysteries makes the unusual claim that the Twin Towers were “airtight”. In truth, any building that has windows that open and doors that allow people to enter the building is not airtight at all. The unsubstantiated claim that the Twin Towers were “airtight” fails even the most basic scrutiny.

Finally, we are given a quote in text format by John Perkins, author of “Confessions of an Economic Hitman”. What 9/11 Mysteries fails to explain to their viewers is that Perkins' comment is based on his own opinion, and not on factual data or analysis.
<http://tinyurl.com/u9nsg>

Section 2.20.2

1:07:42 The towers presented another problem. Decades ago, their steel beams had been sprayed with fireproof asbestos -- a cancer-causing material banned from use in building in the mid-1980s. Although the World Trade Center complex was given several waivers, it was expected to “clean up its act.”

1:08:02 But **to remove the asbestos from every supporting beam in the Twin Towers would have been almost undoable. Quotes for this clean-up ran over a billion, and no insurance company was willing to bear the cost.** (pause) An urban renewal project of **unfathomable proportions.**

Again, 9/11 Mysteries makes an unsourced claim. This time, 9/11 Mysteries claims that quotes for a clean-up of the asbestos in the towers would have cost more than a billion dollars. This is highly incorrect.

<http://tinyurl.com/y6ypd6>

“U.S. District Judge John W. Bissell in early February threw out the Port Authority of New York & New Jersey’s final claims in a longstanding suit against dozens of insurers over coverage of more than \$600 million in asbestos abatement costs at the World Trade Center, New York’s three major airports and other Port Authority properties.”

“The suit sought recovery of the Port Authority’s huge expenses of removing asbestos from hundreds of properties ranging from the enormous **World Trade Center complex-which represented more than \$200 million of the abatement costs-**to bridge and tunnel toll booths.”

The best data that shows the cost of removing all the asbestos contained within the World Trade Center complex was “more than \$200 million”, clearly not “over a billion” like 9/11 Mysteries told us.

There is no reason to believe that the asbestos issues in the World Trade Center were unmanageable.

Section 2.20.3

1:08:21 **Given the towers’ issues and problems, September 11th proved an unexpected bonanza.** The Trade Center was built in the 1960s to revive a rundown area of New York, and 40 years later urban renewal could again take place.

1:08:40 **Two white elephants were removed, and a brand-new complex is in the works. The full height of the new “Freedom Tower” will soar to 1776 feet.**

Text: “It is going to be a symbol of our freedom and independence” – New York Governor George Pataki

For more information on the serious amounts of money that was lost on 9/11, please see the section of this guide that deals with the “Who Knew?” section of 9/11 Mysteries (section 2.17).

The Freedom Tower will cost extremely large amounts of money to build. Much more than the \$200 million that would have been required to remove the asbestos in the World Trade Center.

In conclusion, we have shown that the World Trade Center did not have tenancy problems; they did not have money problems; and there is no reason to believe that asbestos problems were not manageable. There was no motive for the Port Authority of New York to destroy the World Trade Center as 9/11 Mysteries suggests.

Section 2.20.4

1:08:58 The suffocating dust that engulfed Manhattan was much more than dust. It was pulverized concrete, glass, metals, containing lead, mercury, dioxins, benzene – and, of course, asbestos. None of that was healthy for any living thing.

1:09:15 Today, thousands of rescue workers have developed lung cancer and serious, permanent health conditions. And the rescue dogs continue to die.

1:09:31 Text: “What you had was a ground-level municipal incinerator that smoldered for months ... burning up the most heavily computerized building in the world.” --Thomas Cahill, Ph.D., Professor of Physics and Atmospheric Sciences, University of California at Davis

1:09:43 “Patients have had black paste coming out of their pores ... They have reported bowel movements that are blue or green, and have smelled like smoke – despite the fact that they have not been at a fire scene for months.” – Jim Woodworth, President, New York Rescue Workers Detoxification Project

1:09:57 Only three days after September 11th, Washington instructed the EPA to declare Manhattan safe and re-open Wall Street, though the air remained toxic.

1:10:18 Reporter: “A federal judge is blasting former head of the Environmental Protection Agency for telling New Yorkers it was safe to return to their homes and offices near Ground Zero soon after the 9/11 attacks. The judge called Christine Todd Whitman’s actions quote, ‘conscious shocking’ and refuse to grant her immunity...”

We agree that the decision to send NYC workers back to their jobs so soon after 9/11 was a poor decision. However, we do not believe it was done to cause harm.

New York City is the hub of the US economy. The economic fallout from 9/11 itself was severe, and keeping people away from Wall Street for any longer than three days would have only made it worse. Unlike 9/11 Mysteries, we do not believe that workers were sent back to work so early due to some kind of inside job. Due to the nature of the film, 9/11 Mysteries’ motivation for bringing this issue up in its film is questionable. In a film that accuses hundreds of people, both in and out of the government, of murder, raising this point implies that 9/11 Mysteries claims that workers were sent back early to die. We certainly got that impression – one of yet another unfounded accusation of murder with no supporting evidence.

Section 2.20.5

1:10:35 “It was documented that the White House ordered EPA to tell these lies, to downplay the seriousness of the environmental hazards.” – Hugh Kaufman, EPA Senior Policy Analyst

In addition, 911 first responders who have fallen ill and applied for aid, have been denied.

Yet another false claim by 9/11 Mysteries. The first responders who were denied aid were denied **extra** aid, and not the original aid that 9/11 Mysteries claims they were denied. The reason that these heroic first responders were denied aid is contained in this article’s first paragraph.

<http://tinyurl.com/tc5sa>

“Local lawmakers say the federal money used to pay the medical bills for September 11th first responders is running out.”

This is the kind of 9/11 related issue that should be getting attention. Fantasist conspiracy theories of thermite, pyroclastic surges, controlled demolitions, free-fall and Larry Silverstein’s “pull it”, are only distracting people from real issues.

2.21 Licorice Steel

Section 2.21.1

1:10:49 Asbestos plays a part in the myth of why the Twin Towers fell on September 11th.

Official Story narrator: "The steel had been sprayed with lightweight fireproof foam which, while cheaper, was much less adhesive. The New York Times has reported that the foam fell off easily, and the Port Authority had been fixing and replacing missing sections in the months before September 11th. But even if the fireproofing had been perfectly applied, the impact of the plane crashing into the North Tower was so powerful, it simply blew most of it off -- allowing the fire to attack the steel beneath."

James Glanz: "Once the planes hit, whatever condition it was in before the fact made no difference because an impact would knock it off, and the fire would have devastating effects on the steel."

1:11:40 One good smack from a jet plane and the puffs of asbestos are all blown off the steel. Would a few hundred doors slamming do the same thing?

The speed of impact of AA Flight 11 was 470 mph = 689 ft/s.
The speed of impact of UA Flight 175 was 590 mph = 865 ft/s.

The kinetic energy released by the impact of AA Flight 11 was
 $= 0.5 \times 395,000 \times (689)^2 / 32.174$
 $= 2.914 \text{ billion ft lbs force (3,950,950 Kilojoules).}$

The kinetic energy released by the impact of UA Flight 175 was
 $= 0.5 \times 395,000 \times (865)^2 / 32.174$
 $= 4.593 \text{ billion ft lbs force (6,227,270 Kilojoules).}$

If "a few hundred" doors all slammed at the exact same time, in a localized area of one of the Twin Towers, significantly less amounts of energy (compared to the plane impacts) would be generated.

The energy would not disperse much further than the doorframes of each door, and would certainly not reach the asbestos coating the steel columns of the Twin Towers. More importantly, all the doors would have to be shut at the exact same time with extreme force to cause any noticeable movement effects on the structure.

9/11 Mysteries is hailed as a "scientific investigation into 9/11" by conspiracy theorists. This is despite the fact that the creators of the film possess no scientific knowledge and fail at even the most basic principles of science. Even a physics student in the 10th grade could tell you that a plane impact would have far more of an effect on a structure's fireproofing than a "few hundred doors slamming".

Section 2.21.2

1:12:47 **40 years ago, the steel used to build the World Trade Center was certified by Underwriters Laboratories**, a global product-compliance and public-safety guardian. Let's hear a lone voice that spoke out from this enormous company.

The claim that UL certified the steel in the World Trade Center is a claim that Kevin Ryan often makes, and 9/11 Mysteries echoes. However, simple research into this claim quickly shows it to be false.

<http://www.mindfully.org/Reform/2004/Kevin-R-Ryan22nov04.htm>

"But his allegations drew a sharp rebuke from UL, which said Ryan wrote the letter "without UL's knowledge or authorization." The company told The Tribune "there is no evidence" that any firm tested the materials used to build the towers.

"UL does not certify structural steel, such as the beams, columns and trusses used in World Trade Center," said Paul M. Baker, the company's spokesman."

On one hand, we have 9/11 Mysteries claim that Underwriters Laboratories specifically certified the steel used in the World Trade Center, and on the other, we have UL and NIST stating that this claim is false. There is simply no evidence to suggest that UL certified the steel used in the construction of the World Trade Center, and the company has no reason to deny doing so. The NIST FAQ even attends to this claim:

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

"UL did not certify any steel as suggested. In fact, in U.S. practice, steel is not certified at all; rather structural assemblies are tested for their fire resistance rating in accordance with a standard procedure such as ASTM E 119 (see NCSTAR 1-6B). That the steel was "certified ... to 2000 degrees Fahrenheit for six hours" is simply not true."

Please keep in mind that this is not simply poor research; it is another deliberate lie on the part of 9/11 Mysteries.

Section 2.21.3

1:12:47 Kevin Ryan: "My name is Kevin Ryan and **I was formerly a manager at Underwriters Laboratories**. I was fired from my job five days after sending a letter to a government scientist at the NIST, questioning the report that the NIST had recently released in October of 2004. I wrote this letter because I had serious questions about what I saw in the report. Those questions went back to September of 2001 when U.L.'s CEO came to our location in South Bend. **He told our entire staff the World Trade Center steel had been certified by U.L.**, and he said that we should be proud of how long the buildings had stood.

Kevin Ryan was never directly employed by Underwriters Laboratories. He was an employee of Environmental Health Laboratories, which is not, as Ryan claimed, a division of UL. Environmental Health Laboratories is merely affiliated with UL. Kevin Ryan's job was testing the water.

Source:

Paul M. Baker Manager, Media Relations
Underwriters Laboratories, Inc.
Northbrook, Ill., USA
Paul.M.Baker(@)us.ul.com

“UL's Fire Protection Division has assisted NIST in its investigations regarding the collapse of the WTC towers. However, Mr. Ryan was not involved in that work and was not associated in any way with UL's Fire Protection Division, which conducted testing at NIST's request. Rather, Mr. Ryan was employed in UL's water testing business, Environmental Health Laboratory, in South Bend, Indiana.”

Kevin Ryan has never worked in a division of UL responsible for steel, fire protection, structural engineering, or any field that relates to the events of 9/11.

For more information on UL and Kevin Ryan's steel certification claim, please see the previous section of this chapter of the 9/11 Mysteries Viewer's Guide (section 2.21.2).

Section 2.21.4

1:12:47 Over the next two years, I did some research and found some very disturbing facts, including that **the steel had been disposed of in an unprecedented manner**. Once I discovered those facts, I sent a written question the U.L.'s CEO asking him about these things and what he was doing to protect our reputation as a company. **He replied in writing to me that U.L. did, in fact, test the steel. He talked about the quality of the sample and how well it had performed in the tests, and he said that our company had tested the steel, and it had done beautifully.**

[Text: **Test models did not fail**]

Kevin Ryan speculates that the steel in from the World Trade Center was quickly removed to cover up any evidence of controlled demolitions. What Mr. Ryan does not realize is that several pieces of the World Trade Center steel are actually housed at the JFK international airport.

<http://www.papba.org/media/abc/abc-060907-hangar.html>

“Among the most treasured of the ruins is a 62-ton column. It is the last piece of wreckage to be removed from the site and will likely form the centerpiece of the museum at Ground Zero. It is what is left of four floors, compressed into just three feet.”

True, that is only one column out of the whole debris field. However, the 80,000 square foot hangar also contains 13 perimeter columns, sections of the towers' bases and sections of the massive core structure.

This picture shows us one of the core columns that are located at the hangar.

Image -> http://images.911mysteriesguide.com/jfk_column_s.jpg

Steel from the World Trade Center was sold to foreign nations. There was nothing “unprecedented” about the way it was sold. Kevin Ryan continues to talk about the tests performed by UL and NIST on the performance of the structural steel from the World Trade Center. The steel did perform well in the test. However, Ryan also makes the false assertion that simply because the steel performed well in the test, the towers should not have collapsed.

http://wtc.nist.gov/media/wtc_fire_test.htm

“The Commerce Department's National Institute of Standards and Technology (NIST) plans to sponsor a fire test of a World Trade Center (WTC) tower floor system as part of its building and fire safety investigation of the WTC disaster. The test will be conducted under contract by Underwriters Laboratories in Northbrook, Illinois, on Wednesday, Aug. 25, 2004. The test of a typical WTC floor system and individual steel members will be conducted under the fire conditions prescribed in the ASTM E119 standard test”

As you can see, the NIST tested individual steel members and a typical floor system. What Ryan fails to mention is what the NIST concluded from the results of these tests, which were included in their final collapse report.

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“Based on this comprehensive investigation, NIST concluded that the WTC towers collapsed because: (1) the impact of the planes severed and damaged support columns, dislodged fireproofing insulation coating the steel floor trusses and steel columns, and widely dispersed jet fuel over multiple floors; and (2) the subsequent unusually large jet-fuel ignited multi-floor fires (which reached temperatures as high as 1,000 degrees Celsius) significantly weakened the floors and columns with dislodged fireproofing to the point where floors sagged and pulled inward on the perimeter columns. This led to the inward bowing of the perimeter columns and failure of the south face of WTC 1 and the east face of WTC 2, initiating the collapse of each of the towers. Both photographic and video evidence—as well as accounts from the New York Police Department aviation unit during a half-hour period prior to collapse—support this sequence for each tower.”

Section 2.21.5

1:12:47 After that, he asked me to be patient and wait for the NIST report because UL was working closely with them.

[Text: NIST FINAL REPORT ON WTC COLLAPSES, OCTOBER 2004, 10,000 pages, 16 million, 3 year study]

I saw this report in October of 2004, and in November I sent my letter to NIST asking for clarification. I felt it was an obligation on my part to ask the questions since no one else seemed to care to. After the 1993 bombing, the fireproofing in both buildings was updated considerably. But **when you look at the NIST report, you don't see any testing that showed that a 767 would widely dislodge the fireproofing under any impact, let alone so far from the point of impact.**

Contrary to Ryan's claim, the NIST did show testing that clearly demonstrated that a 767 would widely dislodge the fireproofing during the aircraft impacts of 9/11.

<http://patapsco.nist.gov/ImageGallery/details.cfm?imageid=109>

http://www.nist.gov/public_affairs/techbeat/04BFRL003_Carino_WTCfireproofingLR.jpg

“NIST research structural engineer Nicholas Carino describes laboratory tests used to estimate the amount of fireproofing that was dislodged from various structural elements within the WTC buildings when the aircraft were flown into them on Sept. 11. The specimens shown include steel bars and plates that have been coated with the same type and depth of sprayed fire-resistive material as was used in the WTC buildings.”

Section 1-6A of the NIST report into the collapse of the World Trade Center is 326 pages long. This whole section is dedicated to demonstrating that a 767 impact would widely dislodge the fireproofing in the towers. Perhaps Kevin Ryan missed this section of the report:

<http://wtc.nist.gov/NISTNCSTAR1-6A.pdf>

In the WTC towers, where the debris fields were larger than the dimensions of steel components (i.e., such as trusses, beams, and columns), these tests show that SFRM would have been dislodged from a wide range of debris sizes and speeds. The test results support the assumption that, within the debris field created by the aircraft impact into WTC1 and WTC 2, the SFRM used for thermal insulation of structural members was damaged and dislodged.”

Kevin Ryan is clearly mistaken in his thesis. The NIST report states in almost the exact same words that Ryan used, precisely that which Ryan claims they did not.

Section 2.21.6

1:12:47 **So now we've been left with a new theory, which is not really a theory at all, but only a collection of vague statements.**

[Text: Dr. Frank W. Gayle of NIST with WTC steel specimen]

The NIST report represents what can really only be called anti-science. They started with their conclusions, and worked their way back to some leading hypothesis.

Kevin Ryan calls the NIST report a “collection of vague statements”. This “collection of vague statements” is available for anyone to read, and is 10,000 pages long. The NIST report is a result of the work of:

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“Some 200 technical experts—including about 85 career NIST experts and 125 leading experts from the private sector and academia—reviewed tens of thousands of documents, interviewed more than 1,000 people, reviewed 7,000 segments of video footage and 7,000 photographs, analyzed 236 pieces of steel from the wreckage, performed laboratory tests and sophisticated computer simulations of the sequence of events that occurred from the moment the aircraft struck the towers until they began to collapse.”

Kevin Ryan has not, to date, had any of his work regarding 9/11 published in a respected peer-reviewed scientific journal.

There is no evidence available to suggest that NIST started with a conclusion and worked back to a hypothesis. This is merely a baseless accusation made by Kevin Ryan, for which he has failed to provide any evidence. The burden of proof is on Ryan to back up his claims, and he has failed to do so.

Section 2.21.7

1:12:47 **When the results of the physical tests showed the temperatures were far too low to soften steel, and that the floors could not have collapsed, and that the fireproofing could not have been widely dislodged, the NIST ignored these results and built a black-box computer model that no one could argue with and that they know would spit out the right answers.**

Earlier in this chapter, we have demonstrated that the NIST **clearly** detailed exactly how fireproofing was dislodged from the Twin Towers.

Ryan also claims that NIST tests showed that the temperatures within the towers were far too low to soften steel. Ryan is wrong again.

http://wtc.nist.gov/pubs/factsheets/faqs_8_2006.htm

“Normal building fires and hydrocarbon (e.g., jet fuel) fires generate temperatures up to about 1,100 degrees Celsius (2,000 degrees Fahrenheit). NIST reported maximum upper layer air temperatures of about 1,000 degrees Celsius (1,800 degrees Fahrenheit) in the WTC towers (for example, see NCSTAR 1, Figure 6-36).”

However, when bare steel reaches temperatures of 1,000 degrees Celsius, it softens and its strength reduces to roughly 10 percent of its room temperature value. Steel that is unprotected (e.g., if the fireproofing is dislodged) can reach the air temperature within the time period that the fires burned within the towers. Thus, yielding and buckling of the steel members (floor trusses, beams, and both core and exterior columns) with missing fireproofing were expected under the fire intensity and duration determined by NIST for the WTC towers.”

The statement that all of NIST's conclusions are derived from a computer simulation is laughable. NIST conducted hundreds of interviews, reviewed thousands of photographs and videos, conducted metallurgical investigations, strength, heating and structural analysis, in addition to their computer simulation. The simulation was not designed to gather results, but rather to display them.

Section 2.21.8

1:15:45 Today anyone who's conscious enough to know what is happening in the world knows that **most government policy is being driven by this false story.**"

Television Reporter: "... tracked down and punish the perpetrators of this attack. This is being seen on Capital Hill as another Pearl Harbor..."

Investigations including the FEMA report, NIST reports, the U.S congressional inquiry and the 9/11 Commission report have all found that al Qaeda was responsible for the attacks on 9/11, and that no controlled demolition occurred in any of the World Trade Center buildings.

Government policy is highly influenced, as Ryan stated, by the events of 9/11 in the post-9/11 world. However, there is no solid evidence to indicate that anyone other than al Qaeda was behind the attacks of 9/11. Several members of al Qaeda, including Khalid Sheik Mohammed, Osama Bin Laden, Ayman al-Zawahiri, and Zacarias Moussaoui have all confessed to their roles in the attacks.

This section of the film clearly highlights 9/11 Mysteries' biased nature. The film is often praised as "purely scientific" and "unbiased". This is simply untrue, and several sections of 9/11 Mysteries indicate a severe political bias.

Finally, it is important to note the real reason that Kevin Ryan was fired from his job. A statement from UL tells us why:

<http://www.mindfully.org/Reform/2004/Kevin-R-Ryan22nov04.htm>

"Ryan was fired, Baker said, because he "expressed his own opinions as though they were institutional opinions and beliefs of UL."

"The contents of the argument itself are spurious at best, and frankly, they're just wrong," Baker said."

Ryan was not fired for asking questions. He was fired for doing so in an unauthorized and inappropriate manner.

Section 2.21.9

1:15:53 The steel, in dragon-like lengths and contortions, spoke for itself.

1:15:58 **Bent, deformed, without cracks ...**

Construction worker: "I found 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.**"

Architect Mark Wagner: "**Typically you'd have buckling and tearing on the tension side -- but there's [sic] no [sic] buckling at all.**"

Steel has a modulus of 29.9×10^6 psi.

This is the slope of the stress/strain curve. A36 steel has a yield strength of 36,000 psi. This means it starts bending at about 0.1% strain. It fractures at about 7-8% strain.

Strain is measured in (deflection/original length). It is dimensionless.

When $P = \text{Force}/\text{Area} > 36,000$ psi, steel bends permanently. If the steel is warm, that value goes down, and the steel will bend farther without fracturing.
(Thanks to rwguinn @ the JREF forum)

9/11 Mysteries seems to think that not only could explosives cause this damage without buckling or cracking the metal, but also that the forces provided by the collapsing structure could not. The simple fact here is that the structure collapsing provides much more energy than a shaped charge. In the earlier sections of the film, 9/11 Mysteries claimed that shaped charges were used in conjunction with thermite to bring the World Trade Center buildings down. The truth is, for steel to be bent in a "horse shoe" fashion, something much larger than a shaped charge is needed. By this, we mean something that could not be simply hidden from office workers, microphones of nearby cameras upon detonation, and that could certainly not be hidden from seismographs.

The claim that the forces provided by the intense heat within the towers - in conjunction with the collapse of the structures - caused steel to bend and deform at the World Trade Center, is far more plausible and far more believable than the vague and unsupported notion of pre-planted explosives presented by 9/11 Mysteries.

Section 2.21.10

1:16:25 **Here is “the meteorite” – molten iron fused with concrete**

Architect Bart Voorsanger: **“And architects, engineers, people who work with steel, welders, have just have never seen the level of destruction and the level of deformation of this material in our lives”**

9/11 Mysteries shows us a picture of a meteorite. It offers no comparison between the meteorite and the damage at the World Trade Center. This point seems completely detached from the rest of the film and we have no idea why the filmmakers included it.

Furthermore, 9/11 Mysteries claims that a meteorite is “iron fused with concrete”. Perhaps they do not know that concrete is a man made substance, and does not exist in outer space. Meteorites are composed mainly of iron and silicate-based rocks.

We are also shown a comment by architect Bart Voorsanger. He states that several other people in his field “have never seen the level of destruction and the level of deformation of this material” in their lives. However, it is only logical that these men have never seen this level of destruction in their lives. 9/11 was the first time in history that a 110-story mega-skyscraper has ever collapsed as the result of an airliner impact.

Section 2.21.11

1:16:45 **It is true that heat expands steel.** In a fire, steel members may swell and bend slightly.

1:16:56 But this? **How could these huge tangles have been created?** (pause) ... **The steel below the towers had melted, at many thousands of degrees.** Since metal conducts heat, **were these twisted remains formed by high temperatures wicking their way through a gridwork of steel?**

Not only does steel expand under heat, it also sags if the temperature of the fire is high enough. The floor trusses in each of the Twin Towers were attached to exterior columns. Sagging of the floor trusses eventually pulled the exterior columns inwards and caused the towers to collapse. 9/11 Mysteries seems to conclude that the steel present in the Twin Towers would not expand or sag to the extent that would cause the perimeter columns to be pulled inwards.

Instead of providing evidence to back up its claims, 9/11 Mysteries ends this section with a question. The implications drawn from the question rely heavily of the presence of molten steel under the Twin Towers. However, 9/11 Mysteries has provided absolutely no evidence to show that molten **steel** was found under the towers. Please read the “Molten Metal” chapter of the 9/11 Mysteries Viewers Guide for more information on this (section 2.14).

The twisted steel remains that were present at Ground Zero are the result of both the building collapse **and** the initial fires. 9/11 Mysteries dissects the two occurrences and debates against each of the occurrences as a sole entity, disregarding the other.

9/11 Mysteries completely ignores the forces provided by 200,000 tons of falling structure in its twisted steel analysis. It assumes that simply because fire alone could not have caused the damage, then explosives must have. This is a “false dilemma” logical fallacy, on top of the “fire alone” straw man argument. It is almost as if the creators of the film expected to see perfectly straight steel beams in place with perfectly intact floors at Ground Zero. Falling buildings cause severe damage to steel; particularly steel already pre-weakened by fire. That is just plain common sense.

Section 2.21.12

1:17:19 Explosives also deform steel. As they fire, gas pushes outward. **The force of the gas can easily bend a large steel column.**

Explosives can deform steel. However, the shaped charges that 9/11 Mysteries identifies as the “culprit” earlier in the film, **cut** steel.

In demolitions, shaped charges are used to fire a directional blast at a single column. Never does any demolition company use explosives that will provide so much power they can deform, twist and compact other sections of steel.

9/11 Mysteries claims that the “force of the gas can easily bend a large steel column”. No calculations, sources, or evidence are provided to back up this assertion. Rather, it is based purely on speculation.

Section 2.21.13

1:17:34 Two kinds of debris. Huge shattered beams that could break a truck, combined with matter that was near pulverized.

Firefighter Joe Casaliggi: “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.”

1:18:22 In 1886, four gold miners lost their lives in an underground explosion. The bodies of these four men were brought to the surface in one barrel. The biggest piece recovered was part of a foot.

1:18:22 September 11th left over 1100 bodies unaccounted for.

For explosives to have played a greater role than the collapse of the building in destroying its contents, forces greater than the force of 110-stories of falling structure would need to have been provided by explosives.

How is this possible when not one person reported seeing any kind of explosive device before, during or after 9/11? No explosions were picked up on seismograms, and no explosive residue was contained in the dust at Ground Zero.

Seeing as how 9/11 Mysteries has completely ignored the ability of a falling 100 story building to destroy and mangle objects, we can only assume they are claiming that explosives, rather than the falling structure, are responsible for both:

- a) a lack of remains; and
- b) deformed steel.

The sheer amount of explosives that would be required to cause this is not an amount that could be hidden within an occupied office building.

9/11 Mysteries makes no attempt to concede that the falling structure would have pulverized humans, soft materials (dry-wall, concrete. etc) and office materials. They simply blame explosives for destroying everything within the Twin Towers. Our argument is that the amount of explosives that would be required to do that could not be hidden before, during and after their detonations.

2.22 Lingering Questions

Section 2.22.1

1:18:59 Secrets cannot be kept forever. Just as that newspaper from 1969 revealed itself to us decades later, we will someday know the inside of September 11th. The reasons for the staging of such a production go far back into time.

1:19:19 Insurance policies covered nearly everything in the World Trade Center that was destroyed. **But what if certain commodities could be removed in the nick of time? Gold and silver held by commercial banks and the Comex exchange is said to have been stored beneath Ground Zero. This single cache, belonging to the Bank of Nova Scotia, was unearthed and made public. Was there more -- and was it removed -- remains a question.**

9/11 Mysteries fails to provide any reason as to why the people who allegedly lost a vast amount of gold and silver have not spoken out about it. They simply ask a vague question and provide absolutely no evidence to defend their implication.

The gold that 9/11 Mysteries mentions was recovered.

http://www.pbs.org/americanbuilds/engineering/engineering_property_01.html

"The Nova Scotia bank vault, however, built inside the old Hudson-Manhattan terminal under WTC 4, was perfectly intact, albeit wet. FEMA's Miami Task Force marked the vault as searched on the 13th of September."

9/11 Mysteries speculates about whether there was more gold, and whether it was "removed". To put it quite simply, The Bank of Nova Scotia would not sit around twiddling its thumbs if any of its gold had gone missing. The international gold market would have been affected, and you can be sure that people would have heard about it.

Section 2.22.2

1:19:52 As Last Survivor William Rodriguez climbed the stairwell to rescue people, **he remembers a very strange thing:**

1:20:08 William Rodriguez: "As I stood there on the 33rd floor, I heard very strange noises on the 34th floor. Now **the 34th floor was an empty floor. A floor that did not have any kind of walls or... It was a construction floor -- it was totally hollowed out. There was nothing there ... and I heard very heavy equipment being moved around, and it sounded like dumpsters with metal wheels being moved around ... and I got scared because I knew it was an empty floor -- nobody was supposed to be there.** As a matter of fact, not even the elevator stopped there. You have to have a special access key to open the door on the 34th floor, so to find that there was strange noises there... **And I continued actually bypassing that floor because I didn't dare to open the door on the 34th floor.**"

William Rodriguez himself states that the 34th floor "was a construction floor". Why then, is it unusual that heavy machinery and noises could be heard from the floor?

Rodriguez also states that "nobody" was supposed to be on the 34th floor. How does he suppose that construction work gets done with "nobody" on the floor? Finally, Rodriguez himself admits that he could not access the 34th floor and has absolutely no idea what was going on at the 34th floor. Yet he repeatedly speculates about what was occurring on the floor, providing absolutely no reason for us to believe that anything other than construction work was taking place.

Rodriguez uses the noises he heard on the 34th floor as evidence toward the controlled demolition theory. 9/11 Mysteries uses also this testimony as evidence towards their controlled demolition hypothesis. Simple research, however, shows us exactly what Rodriguez could hear on the 34th floor of the North Tower on the morning of 9/11.

<http://www.construction.com/NewsCenter/Headlines/ENR/20010913e.asp>

On that fateful sept. 11 day, craig Trykowski, laborer for Henegan Construction, was doing construction for Lehman Bros. on the 34th floor of the World Trade Center's north tower when the first plane hit.

"I was trying to clear the area of sheetrock ...and just as I was filling the dumpster, the whole building shook, it swayed back and forth," recalls Trykowski. "I thought at first it was an earthquake." He and 70-odd workers hit the stairwell as water pipes broke and panic flared. As he went down, a group of firemen were going up, never to be seen again.

Further research leads us to the fate of Trykowski's co-workers.

http://www.zoominfo.com/people/Trykowski_Craig_144953276.aspx

On Sept. 11, Craig Trykowski, a laborer for Henegan Construction Co. in New York City for the past two years, was working with 75 tradespersons and colleagues on interior construction for Lehman Brothers on the 34th floor of the north tower of the World Trade Center. He had been working at the WTC for a little over three months. "The job was going well," he says. It was a few minutes before 9:00 a.m.

"I was trying to clear the area of sheetrock and other stuff and just as I was filling the dumpster, the whole building shook. It swayed back and forth. We saw debris flying and then there was an explosion," he says. "I thought at first it was an earthquake."

They're all gone now," says Trykowski.

Trykowski, along with two electricians and two carpenters, made it safely to the street. "We saw the top of the building as it came tumbling down," he says. "We almost didn't make it out of the building."

It is apparent that construction workers were working on the Lehman Brothers project on the morning of 9/11. Trykowski himself states that “They’re all gone now”. Other than the other two electricians and the other two carpenters who escaped the building with Trykowski, 70 people who were working on the 34th floor of the North Tower did not make it out of the building alive.

Of course, 9/11 Mysteries and William Rodriguez have attempted to convince us that these 70 construction workers were preparing for a controlled demolition on the North Tower of the World Trade Center.

Section 2.22.3

1:20:53 Something told William Rodriguez not to mess with the 34th floor. “I got scared.” Yet William Rodriguez was not a man who was scared that day. He remained in a burning building against firemen’s orders, endangering his own life as he saved the lives of others.

We do not doubt that William Rodriguez acted like a hero on 9/11. This is not a fact that we are willing to dispute in this guide, and although Rodriguez appears misguided, he still deserves every bit of praise for his heroic actions on 9/11.

Section 2.22.4

1:21:11 What could have been happening on the 34th floor? For weeks, **Scott Forbes had heard similar noises on the 98th floor above him.**

Scott Forbes: "It must have been at least four to six weeks before 9/11. It was like rebuilding work going on upstairs. **The tenants, the people from Aon who had been there, were moved somewhere else. The offices were just vacant, and there was a lot of heavy machinery building work going on.** It was almost like pneumatic drills and lots of hammering. **So much so that the floors were shaking, that's how noticeable it was.** It was almost as if something heavy was being moved, and then it was being taken off wheels, and it was like, BOOM! **Our floor underneath literally shook. You could feel the weight above you. That was how large it was.**

On one occasion I opened a door to see what was going on, being nosey. When I opened the door the whole office space was empty. There was nothing there at all. It was quite bizarre because it was just empty, completely empty, barren, nothing, zero -- not even cables hanging from the ceiling. But there'd been these heavy noises and vibrations up above. It was really strange.

Consider this account from 9/11:

<http://project2996.com/blog/>

"Millie was a secretary for Aon Corporation, a large insurance brokerage that occupied several floors in the south tower of the World Trade Center (WTC 2). Her office was on the 98th floor of the 110-story skyscraper, and she had worked there for several years.

Sometime after the second plane hit Millie's building at 9:02 a.m., she finally reached Joe by cell phone. He had been on a lower floor and had safely gotten out of WTC 1. He told Millie he was coming to get her. Of course, no one would have been allowed to enter WTC 2 after it was struck. Millie told Joe she would see him later that night. But she didn't come home."

This is a complete contradiction of Scott Forbes' account. Yet again, Scott Forbes is the only person giving this account of events. Similar to the "power outage" story we heard earlier from Forbes, not a single co-worker of Forbes has reported anything even remotely similar to what Forbes is telling us.

Forbes notes how heavy the work was by explaining several times "how noticeable it was" and "how large it was". These kinds of descriptions give us the idea that it would be easy for Forbes to find someone to verify his version of events if it were true. Despite this, not one person supports Forbes' claims. Please note that several of Forbes' co-workers are still alive, despite their office locations.

Due to the fact that:

- a) Millie, a worker on the 98th floor died on 9/11, contradicting Forbes account;
- b) no one has verified Forbes' claims;
- c) Forbes' story has changed; and
- d) Forbes has failed to speak of this issue in any other interview,

there is absolutely no reason to believe Forbes. He has no credibility and no corroborating sources.

Section 2.22.5

1:22:27 **And the noticeable dust in the building the week before:**

Scott Forbes: **"It was probably the week leading up to 9/11. Every morning I'd come in around 7 a.m., and the dust was incredible! It was filthy. I was like the cleaners weren't cleaning. Right where the windows were, there was a sill which enclosed radiators. I was sick to death of the dust which was appearing on the window sills. It was dirty gray and very, very noticeable in that week leading up to 9/11. Where was that dust coming from?"**

1:23:00 Gray dust Scott himself had to clean. Was it powdered cement? The steel columns of the Twin Towers formed an endo- and exo-skeleton. **Had something been placed around the edge of the building – holes been drilled to contain it? Was the dust in those final days a telltale sign?**

Again, there are no corroborating witness accounts that match Scott Forbes' claims. This story has failed to elicit any corroborating reports. This is despite the fact that Forbes claims he was "sick to death of the dust" and that "the dust was incredible! It was filthy". Two claims that are sure to have been noticed by others.

Not one person has said they saw drilling, performed drilling, or organized drilling/demolitions preparations. There is nothing to confirm Forbes' claims.

9/11 Mysteries is on a rampage of questioning. They fail to provide any evidence to support their implications. Questions are not evidence, and 9/11 Mysteries does not provide any evidence to support its rhetorical questions.

Again, no one reported any holes, explosives or holes with explosives in them before 9/11. No one reported seeing detonation cord or delays. This would have had to be a completely invisible demolition rig in a packed office building. Setting such a rig up would have been literally impossible.

Section 2.22.6

1:23:25 **As white elephants, the buildings were full of vacant offices. Tenants could be temporarily moved around for "upgrades" as Aon was, and a plan arranged to perfection. Was the strange "construction" that could be heard but not seen going on all over the towers? Larry Silverstein took possession 6 weeks before September 11th, when the strange "construction" began. Were the sounds that scared William Rodriguez the last of the rats as they left a sinking ship?**

The Twin Towers were not "white elephants" and were not "full of vacant offices". On 9/11, the Twin Towers were 98% full with near record tenancy rates. For more information on this please see the chapter of this guide entitled "Urban Renewal" (section 2.20).

There was simply no room for tenants to be "moved around" as 9/11 Mysteries implies. Neither Scott Forbes nor 9/11 Mysteries has provided any evidence that Aon Corp's offices were moved from the 98th floor of the south tower prior to 9/11.

9/11 Mysteries shows us examples of strange noises heard by two WTC employees on two floors of the building. They then speculate without evidence that these noises were occurring "all over the towers". Again, 9/11 Mysteries has used questions as evidence. There are no corroborating accounts that would lead anyone to the conclusion that heavy work was occurring all over the towers leading up to 9/11.

9/11 Mysteries implies that the construction work within the towers began 6 weeks before 9/11. However, Phillip Morelli (a construction worker seen earlier in 9/11 Mysteries) has this to say about that claim:

http://www.ny1.com/pages/RRR/911special_survivors.html

"There was always construction work going on in the World Trade Center. There was a lot of floors. Between the two buildings there was 110, so that's 220. And then you had 9 floors in building 4, 5 and 6. So, there was always something going on, and we were always there."

Construction work had been occurring in the World Trade Center from the day the first column was erected right up until the day the buildings were destroyed. 9/11 Mysteries states that construction work in the towers began 6 weeks before 9/11. This is another gross lie on behalf of 9/11 Mysteries.

Finally, we are asked whether the noises Rodriguez heard could have been "the last of the rats as they left a sinking ship". Rodriguez explains the noises he heard as sounding like "heavy equipment". When a controlled demolition is prepared, pre-weakening involving heavy machinery must take place at the start of preparation, not at the end of preparation (within an hour of detonation). If Rodriguez did hear heavy equipment, it is illogical to assume that this equipment was being used to prepare a demolition. A better explanation is that construction workers were abandoning their equipment to evacuate the building and save their own lives.

Section 2.22.7

1:24:06 By taking a day off, Scott Forbes saved his life. This woman was not so fortunate. She is 9/11's Iphigenia, calling soundlessly to people who could not help her.

[Text: "Iphigenia -- sacrificed by her father Agamemnon for the purpose of war -- Greek mythology"]

1:24:21 Christopher Hanley, trapped with 100 people on the 106th floor of Tower 1:

Emergency dispatch: "Fire Department 408. Where's the fire?"

Christopher Hanley: "Yeah hi, I'm on the 106th floor of the World Trade Center. We just had an explosion up here."

Emergency dispatch: "What building are you in sir, One or Two?"

Christopher Hanley: "One World Trade."

Emergency dispatch: "All right."

Christopher Hanley: "Yeah, there's smoke and we have about a hundred people up here."

Emergency dispatch: "Sit tight. Do not leave, okay? There's a fire or an explosion or something in the building. All right, I want you to stay where you are."

Christopher Hanley: "Yes."

1:24:48 **Kevin Cosgrove**, trapped on the 105th floor of the South Tower:

Kevin Cosgrove: "Smoke – real bad – 105, Two Tower. It's really bad, it's black, it's arid. My wife thinks I'm all right. I called and said I was leaving the building, I was fine, and then – bang! Three of us – two broken windows. Oh, God!"

1:25:23 Let's not forget these people, whose fate on this day was decided for them.

1:25:31 As we know, secrets cannot be kept forever.

The 9/11 recording of Kevin Cosgrove's last words was first played at the trial of Zacarias Moussaoui in 2006.

This court case proved beyond reasonable doubt that al Qaeda was responsible for the attacks of 9/11, and Moussaoui was sentenced to life in prison.

Kevin Cosgrove was a claims vice president of Aon Corporation. His body was found within a week of the attacks and he was buried on September 22nd 2001 in St. Patricks Cemetery in Huntington, New York. We will never forget. Rest in peace.

Section III: Author Post-Script

First Edition – April 2007

3.1 Some Thoughts from the Author

On September the 11th, 2001, nearly three thousand people lost their lives. There are still questions relating to 9/11 that need answering. However, by asking the wrong questions based on false information, 9/11 Mysteries does not benefit anybody. Questions based on fantasist conspiracy logic serve only to distract people from the real issues-

Getting answers to valid questions regarding 9/11 does not involve taking the words of brave men like Phillip Morelli and twisting them to suit an agenda. Getting these answers does not involve using faulty physics from papers written by people opining on matters completely outside of their realm of expertise, and which have not passed the peer-review system, and which have been denounced by experts in appropriate, correct, and relevant fields. Furthermore, getting these answers does not involve using people who denounce these conspiracy theories by quoting their words out of context.

It is utterly disgusting that 9/11 Mysteries can tell so many lies in one film and yet simultaneously claim that it supports the truth.

Based on my own personal opinion, I can only see one reason why Sofia, Brad and everyone else who worked on this movie would use such appallingly false information to convey their message. One visit to the official 9/11 Mysteries website should give you a clear indication of the motives that these filmmakers work with. Just look for anything with the words "donate" or "buy now" in it.

9/11 Mysteries is perhaps one of the worst pieces of film that is available on the internet.

- The Doc

3.2 Sofia Speaks Out

To give the readers a little background on the woman who wrote and narrated 9/11 Mysteries, we found one paragraph that shows the sheer insanity of the people who made this film. It is hardly responsible to believe that anyone who displays such a lack of scientific understanding, and such a loose grasp on logic, could be an appropriate person to talk about such a complex issue as the events of 9/11.

December 9th, 2006

Radio Interview between Kevin Barrett and Sofia

10:15 – Second Hour of the show

“Sophia: Right, people want me to be absolutely precise. Umm, I say that the demolition wave is moving faster than gravity itself. It is making the path for the demolition, which is falling at free fall speed. Virtual free fall speed. Again it is hard to determine how long did it take for the towers to fall visually, and I know there is seismic data that pegs it, you know, a little more accurately.

Regardless, I tell people, these buildings fell in 10 seconds, they're 110 stories. Now let's just use our mouth to demonstrate this. If a pancake collapse can be described as “clunkity clunk” How many times can you say that in 10 seconds? And if one floor is “clunkity clunk clunkity clunk” you cannot say that 110 times in 10 seconds. So let's even give it the benefit of the doubt, let's just take off the “clunk”. Let's just say “clunkity”. You can't say that in 10 seconds, 110 times.

Caller: You've done such an excellent job of bringing that forward.”

This is not a parody, and it is not a joke. Sofia is serious.

Further information:

<http://screwloosechange.blogspot.com/2006/12/clunkity-clunk.html>

Section IV: Appendices

First Edition – April 2007

Appendix A: Sources and Further Reading

Appendix B: Summary of Errors

Appendix C: Conclusions

Appendix D: FAQ

Appendix E: Credits and Fair Use Notice

4.1 Appendix A – Sources and Further Reading

Official Reports

This section of the 9/11 Mysteries guide will provide a series of links to government reports that outline the **real** “official story”. 9/11 Mysteries attempts to sell its viewers a highly incorrect version of the official story which is extremely misleading to viewers. This is what is known as a “straw man argument”.

The 9/11 Commission

[9-11 Commission Report](#)

FEMA

[FEMA WTC Report Chapter 1](#)

[FEMA WTC 1 & 2](#)

[FEMA WTC 4,5,6](#)

[FEMA WTC 7 Report](#)

National Institute of Standards And Technology

[NIST Report Fire & WTC Structural Steel](#)

[NIST WTC Public Briefing](#)

[NIST WTC Materials Testing Videos and Computer Simulations](#)

[NIST WTC Frequently Asked Questions](#)

[NIST WTC Report](#)

[NIST Part IIC - WTC7](#)

Other Debunking Sources

There are several other sources out there for debunking the myths behind 9/11. I strongly advise that everybody read these.

Other 9/11 Conspiracy Films

[Screw Loose Change Blog](#)

[Screw Loose Change Film](#)

[Loose Change Guide](#)

[Loose Change Creators Speak](#)

General Debunking

[911myths.com](#)

[Debunking 9/11](#)

[JREF Forum](#)

[9/11 Deniers Speak Out](#)

[Popular Mechanics](#)

4.2 Appendix B – Summary of Errors

The following is a tally of errors contained in 9/11 Mysteries.

False information presented as fact: **79**

Lies via 3rd party commentator: **4**

Assumed accidental mistakes: **38**

Appeal to Authority: **4**

Incomplete Quotes used to support evidence: **23**

Quotes taken out of context to support evidence: **15**

Assumptions/Speculation used to support evidence: **62**

Anonymous Sources: **1**

Sources who disagree with conspiracy theory used to support conspiracy theory: **12**

“Straw Man” Arguments: **16**

Oversimplifications: **67**

Similes or Metaphors taken as literal statements: **22**

Omissions from Transcript: **4**

Bad Analogies: **6**

Contradictions: **18**

Total Errors: **371**

Please note that other fallacies may have been in the film that were not included in the tally. Numbers are a result of one person's calculation and may differ slightly from person to person.

4.3 Appendix C – Conclusions

Conclusions:

After extensive study into the film “9/11 Mysteries” using both official government resources and non-official resources from credible and respected websites, it is clear that 9/11 Mysteries is not a fact-based film.

The movie has a tendency to blatantly lie, to use questions as evidence, to mine quotes, to ignore context and to misrepresent experts who do not agree with its conclusions. The film contains a total of 370 errors relating to logic and fact.

In appendix B, these errors are numbered according to the following.

“False information presented as fact”

Information that is provably false presented by 9/11 Mysteries as fact. This tally includes the outright lies from 9/11 Mysteries.

“Lies via 3rd party commentator”

Similar to “false information presented as fact”, however this tally counts the outright lies presented in 9/11 Mysteries that are being spoken by someone else on behalf of the film, such as Rick Siegel.

“Assumed accidental mistakes”

Sections of 9/11 Mysteries that contain false information. In this case, however, the tally includes instances where the author of this guide feels that 9/11 Mysteries did not know the information was false.

“Appeal to Authority”

Sections of 9/11 Mysteries that consist on basing the truth-value of an otherwise unsupported assertion on the authority, knowledge or position of the person asserting it. For example, Steven Jones.

“Incomplete Quotes used to support evidence”

Quotes contained in 9/11 Mysteries that have critical sections edited out in the middle of the testimony, or at the beginning or end.

“Quotes taken out of context to support evidence”

Quotes that have been misinterpreted to support the evidence contained in 9/11 Mysteries.

“Assumptions/Speculation used to support evidence”

Sections of 9/11 Mysteries that base their conclusions on pure speculation such as the constant asking of questions without providing supporting evidence. Also includes sections of 9/11 Mysteries that base a conclusion on an assumption.

“Sources who disagree with CT used to support CT”

Cases where 9/11 Mysteries uses official story supporters in expert fields to support the conspiracy theory, despite the experts disagreement with the conspiracy theory.

“Straw Man” Arguments

Sections of 9/11 Mysteries that present a misrepresentation of the official story’s position, refutes it, and pretend that the actual position has been refuted.

The rest are self explanatory and do not require definition.

For these reasons, it is highly advisable that anyone who is looking for information regarding the events of 9/11 steers well clear of this film.

4.4 Appendix D – FAQ

I have received a lot of questions about “Screw 9/11 Mysteries” and the 9/11 Mysteries Viewer’s Guide. I will attempt to answer the most common and the most basic ones here. All answers provided by “The Doc”.

Question

Why is it such a big deal that “Brad” lied about “literally not sleeping for an entire week” at the beginning of the film? You addressing it is just a personal attack. I mean... you should stick to the real issues.

I get this one a lot.

This is **not** a personal attack. Conspiracy theorists often say I am attacking Brad and avoiding the real issues. This is not the case. Of course, the irony there is that simply saying, “You attacked Brad, you’re avoiding the real issues” is avoiding the real issues. As of April 2007, the only direct attempt to debate anything else in “Screw 9/11 Mysteries” was made by Dylan Avery. Dylan claimed that tests conducted on the Twin Towers concluded the towers could withstand a 600 mph airliner impact. This has been disproved, as shown in section 2.2.4 of this viewer’s guide. Dylan was proven wrong, as usual.

The truth is, I think Brad is a nice guy. He posts on my blog and on JREF from time to time. The fact remains, though, that he lied to his audience. I took on everything in the movie - from thermite and pyroclastic surges right down to the introduction. We were lied to within one minute of the film opening.

I am well aware that this is an insignificant part of the documentary. Nevertheless, I felt that even the most insignificant portions of the movie deserved attention. You lie - you are called out. Sorry Brad, but you lied. This “sleep deprivation” issue makes up for roughly 1/200th of the movie - if not closer to 1/400th. It is just as insignificant in my rebuttal as it was to Brad when he said it.

This segment will not be removed from the film, paper, or the website. The following are comments from members of the James Randi Educational Forum. Some valid comments are made, and I feel I should post them in this guide on their behalf.

Chipmunk Stew - JREF

“I like the sleep deprivation thing. It’s funny. And it highlights right from the beginning that the makers of this film have a habit of engaging in hyperbole, an inappropriate rhetorical device in the context of a supposedly fact-based documentary.”

SLOB - JREF

The “Sleep Deprivation” segment is not only funny, its absolutely necessary. It doesn’t just point out the bleeding obvious, Brad was exaggerating when he said he “literally” (does he even know what using that word means?) didn’t sleep for a week. It also points out three rhetorical tricks: First Brad uses it as a way of trying to set a mood, “we work hard for you!”, “Us truthers are hard working honest guys”

Secondly he is trying to place an indicator of just how much serious work he has put into this crap - to cast higher credibility to his conclusions later on: “This is good solid work people. I checked, checked and checked again. I didn’t even sleep for a week”.

Third he uses it to try to impose on the audience a feeling of just how much material is out there (“It took me a week - without any sleep just to find it!” - but hidden from them.

By highlighting this, Doc not only points out it’s a lie. He also helps the audience realise that tricks are used against it and as such not at all insignificant. Never underestimate the power of propagandic rethoric - even when used unknowingly.

So in summary, I am not basing an entire rebuttal upon how much sleep Brad got. I was just pointing out an obvious lie. If you think that this was the only lie in the film - **think again**.

Question

Will you be debunking any other movies, websites, fact sheets etc? Specifically 9/11 Mysteries Part 2?

At this current stage (April 2007), I have no plans to debunk 9/11 Mysteries Part 2. This is simply because I have not seen the movie yet, and I have no idea what evidence the film will present. In fact, I'm not even sure if it is still being developed. However, if 9/11 Mysteries uses the same methods as 9/11 Mysteries Part 1, I will be creating "Screw 9/11 Mysteries 2", with an accompanying viewer's guide.

I will be examining other 9/11 truth presentations up until the release of 9/11 Mysteries Part 2.

Question

Were you paid to do this?

No.

In fact, this project has cost me money. Web server rental and domain name rental are not free.

Question

Who are LashL, Orphia Nay and Jake?

When I made this guide, I was lucky enough to have two members of the JREF forums assist me with proof-reading and fact checking of the guide. Thanks to Orphia and Lash, this guide was cleansed of several grammatical, spelling and style errors. Their volunteered hours of tireless reading and correcting turned this guide from a bunch of facts clumped together into a properly formatted paper. LashL's posts at JREF also greatly assisted me with source-gathering relating to Larry Silverstein's insurance cases. Thank you Lash and Orphia.

Jake built the 911mysteriesguide.com website design. He volunteered his free time and expertise to create the site and I am greatly thankful to him for doing so. Jake also created the "Tilting Tower" animation shown in "Screw 9/11 Mysteries" using Macromedia Flash.

Question

Wasn't "Screw 9/11 Mysteries" enough? Why the 131 pages of rebuttal that followed?

I created "Screw 9/11 Mysteries" while working under serious time constraints. As a result, I could not say everything that I wanted to say, and I could not provide more than one source for many of my rebuttals. This guide was developed after further research and without a limit on sources and text.

However, I still find that the video format is better at getting certain points across more effectively. Accordingly, I have included a few links to specific sections of "Screw 9/11 Mysteries" throughout this guide.

Question

Where can I get more information about the author, the guide and related items?

Please see the "Preface" of the 9/11 Mysteries Viewer's Guide".

4.5 Appendix E – Credits and Fair Use Notice

Section 4.5.1

Credits

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<http://www.911myths.com>

<http://www.debunking911.com>

Section 4.5.2

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