

FDNY
INCIDENT ACTION PLAN
OPERATIONAL PERIOD
FRIDAY
NOVEMBER 30, 2001
0700 – 0700



OPERATIONAL PERIOD

Friday 11/30/01 0700 –Saturday 12/1/01 0700 hours

OVERALL INCIDENT OBJECTIVES

1. Provide for the health, safety, and welfare of all personnel working around the incident.
2. Provide for the recovery and identification of as many remains as possible, and return to next of kin.
3. Coordinate with all involved agencies to support the operational needs of the incident.
4. Document all critical items and significant events.

OPERATIONAL FACILITIES AND LOCATIONS

Incident Command Post	100 Duane Street
Operations Post	10/10 Station (Liberty & Greenwich)
West Command	Vesey & West (West & Liberty Sectors)
East Command	Liberty & Church (Church & Vesey Sectors)
FDNY Cache	Quarters of 10 & 10 – open 0800-2000 hrs.
FDNY Parking	West & Warren Streets. Additional parking at DOT lot (SW corner of West & Warren Streets)

OPERATIONAL RESOURCES**FDNY WTC TF**

Recovery Team	75 Officers & Firefighters
Suppression Team	10 Officers & Firefighters
FAST Team	7 SOC Officer & Firefighters
GPS/BFU Team	10 Officers & Firefighters per 24 hour tour

FDNY/EMS

14 people per day shift / 13 people per night shift

WEATHER FORECAST

Day: Mostly cloudy, highs mid 60's, S winds 15-20 mph, 60% chance of precipitation.

Night: Mostly cloudy, lows in the lower 50's, S-SW winds 12-15 mph, 10% chance of precipitation.

Outlook: Saturday, partly sunny, highs in the lower 60's, 10% chance of precipitation.

Anemometer Locations: 11th floor of the Verizon Building, 3rd floor 10/10 Station, 17th floor of 125 Liberty, 10th floor of 2 WFC, OEM Command Bus at West & Warren, East Command, and Federal Post Office.

ACCOMPLISHMENTS (Past 24 hours)

1.

CONTINUING ACTIONS

1. Application of water to South Tower area and where heat and smoke are escaping in an attempt to extinguish/reduce the heat. Operation continues.
2. Operations continue on debris removal from the North Tower area with intermittent use of handlines to cool debris.
3. Steel cutting @ Bankers Trust (130 Liberty St.), from 11th floor down to 8th floor continues on a 24-hour basis with a shift change between 1700 – 1900 hours. Handline fire prevention/suppression support from FDNY will be necessary on a floor-by-floor basis. This work continues. Sprinkler & Standpipe systems are OOS.
4. Demolition of 6 WTC continues. Hand line fire prevention/suppression support from FDNY required on Vesey St. on a 24/7 basis.
5. Steel cutting @ 30 West Broadway. Specialized demolition at various floors, including removing a portion of the 8th floor slab. Handline for fire prevention/suppression support from FDNY will be necessary.
6. Demolition of 5 WTC continues. FDNY support needed for fire suppression/fire prevention.
7. Insertion under 6 WTC to check for stability of slab, @ 1200 hrs. for one hour for next five days. SOC is required.
8. NYDOL PESH issuing personal monitoring for Pd & FD.
9. West Street Siamese at 3 WFC on is OOS. Use Vesey Street Siamese if needed.

PLANNED ACTIONS (Next 24 hours)

1. Meal site to open at Biosphere on 11/30/01.
2. Insertion to sub-grade area of 6 WTC for structural survey. Scheduled for 11/30/01 @ 1200 hours. SOC required. All Demolition work to stop.
3. Insertion to PATH tunnels via north & south projections for structural survey. Scheduled for 1000 – 1200 hours.
4. Demolition work at 3 WFC. FD support needed. Observe exclusion zone.
5. Precutting of south bays of 6 WTC in preparation of pull down. FD support required for suppression.

ANTICIPATED ACTIONS (48 - 72 hours)

1. Meal site at St. Johns University to be closed down 2200 hrs. 12/01/01.
2. Partial shut down near viewing stand on Friday, 11/30/01. Time to be announced.
3. Scheduled for 12/1, 12/2 and 12/3 @ 1200 hours. All demolition work at 6 WTC to stop. Insertions into sub-grade areas of 6 WTC for structural survey of slabs.

SPECIAL INSTRUCTIONS

1. **FDNY Sector Chiefs will approve all searches.**
2. **No open flames or warming fires. All fires will be extinguished by the BFU.**
3. Operations Post is requested to fax the name of the Safety Chief for each tour to the Incident Command Post.
4. **PPE requirements are as follows:**
Red Zone – Helmet, Safety Glasses & Safety Shoes, Coveralls, Long-sleeved Shirts.
Inner Zone – Helmet, Safety Glasses, Safety Shoes, Respirators, Coveralls & Long-sleeved Shirts. **FD Helmets with reflective tape or FD Bunker coats must be worn when working on the pile to identify as members of the dept.**
5. FDNY personnel parking is located on the south side of Warren St., 250 feet east of West St. Access to the FD parking lot must be made through the West & Chambers Street checkpoint. Members will be issued a site access card at the beginning of their shift. These access cards must be prominently displayed to allow entry onto the site. The access cards shall be handed in at the end of the shift. Coveralls and respirators will be available at the FD Warren St. parking lot.
6. GPS is to be used to plot locations of all victims, remains, fire equipment and apparatus. If the GPS is not operational, hand held GPS operators will manually record grid locations using a **grid map dated 09/20 or later**. GPS units are available through the Sector Chiefs, who shall contact the GPS Team via channel 5.
7. When any SCBA or compressed gas cylinders are found, the Sector Chief will contact ICP for Fire Prevention notification. Cages are at East & West Command for temporary storage of cylinders.
8. Enclosures on North and South projections on West Street are locked. The keys will be located with the FDNY Command Post, NYPD Officer at enclosure, and OEM.
9. Prior to any vehicles being removed/towed from buildings, FDNY Operations Chief must determine if a foam handline is needed.
10. A charged handline must be in position prior to any steel cutting operation inside of buildings.
11. Void entries and searches where elevated Freon readings exist (1 & 2 WTC) require O₂ monitoring prior to entry.
12. All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.
13. Crane Site Safety and Contingency Plan have been reissued.
14. Remains Recovery Protocol from OCME issued.
15. New exclusion zone established. (Demolition of S/E corner of 3 WTC), see attachment.
16. **All underground insertions/void searches must be coordinated with FDNY SOC Chief on duty and the IC at Duane St. to ensure safety.**
17. **Zone map has been included to show zones 1, 2 & 3 for use by Recovery Teams.**

DEPARTMENT OF DESIGN AND CONSTRUCTION UPDATE

ACCOMPLISHMENTS (Past 24 hours)

1. 86 tiebacks installed in slurry wall south of 2 WTC (Liberty Street)/ 72 tensioned. 1 rigged & 13 grouted. Installation of tiebacks on east wall will commence shortly.
2. Shoring completed in the #1 & #9 tunnel.
3. Finished debris removal and slab demolition floors 11-23 @ Bankers Trust

PLANNED ACTIONS (Next 24 hours)

1. Continued debris removal in footprints of 1,2,4,5 & 6 WTC.
2. Dewatering of Subgrade and PATH tunnel via North & South Projections continues.
6. Demolition of 5 & 6 WTC continues.
7. Core drilling & tiebacks continue on Greenwich, Liberty & West Streets.
8. Continue debris removal on 8th – 11th floor at Bankers Trust. Cutting torch work restarted, Handline for fire prevention/suppression support from FDNY will be necessary.
9. Insertion to sub-grade area of 6 WTC for structural survey. Scheduled for 11/30/01 @ 1200 hours. SOC required.
10. Insertion to PATH tunnels via north & south projections for structural survey. Scheduled for 1000 – 1200 hours.
11. Demolition work at 3 WFC. FD support needed. Observe exclusion zone.
12. Precutting of south bays of 6 WTC in preparation of pull down. FD support required for suppression.
- 13.

ANTICIPATED ACTIONS (48-72 hours)

1. Core drilling and tiebacks continue on Greenwich, Liberty & West Streets.
2. Dewatering of PATH from No. Projection & Refrigeration Plant from So. Projection.
3. Demolition of the S/E corner of 3 WFC to continue. New exclusion zone as per attached drawing.
4. Debris removal to continue in footprints of 1,2,4,5 & 6 WTC.
5. Insertion to PATH Mezzanine via Barclay St. ramp for PATH equipment salvage. To be scheduled.
6. West St./FDR Tunnel to be closed 0500 – 1200 hrs. on 12/2 (Sunday) for pothole repairs & catch basin cleaning. Pier 6 trucking to be surface routed.
7. Greenwich St. between Battery Pl. & Morris St. to be closed from 0600 – 1800 hrs. on 12/2 (Sunday). Trucking to be rerouted.
8. Debris removal to build new westerly road parallel to Liberty St.
9. Insertions into sub-grade areas of 6 WTC for structural survey of slabs. Scheduled for 12/1, 12/2 and 12/3 @ 1200 hours. All demolition work at 6 WTC to stop.

There is an OEM representative located at the OEM trailer (Murray and West - 212 941-5337) to contact DDC to handle contractor problems. To contact the contractors on site, DDC has a person stationed at 10/10 to assist. OEM is also the contact for OSHA

LOGISTICS

1. All Fire Department members (all ranks) will report to the West Command Post, ready for duty no later than 0700 or 1900 hours.
2. FD members parking will be located on the south side of Warren St., 250 feet east of West St.
3. Access to the FD parking lot must be made through the West & Chambers Street Checkpoint.
4. FD ID cards will be needed for access.
5. Coveralls and respirators will be available at the FD Warren St. parking lot.

Meal Sites are as follows: Water and Snack Sites are:

St. John University at 101 Murray	West & Vesey
Salv. Army in Median of West/Murray	Church & Dey
	Cortlandt & Church
	Liberty & West

Sanitation Sites are as follows: (See attachment)

Personal hygiene stations are in place on Liberty between Church & Greenwich
Personal hand washing stations are available at all the above meal sites
Boot washes, hand & eye wash stations at West & Murray, St. Johns Univ.,
West & Rector. Showers are available at the following locations:
West & Albany, Trinity & Cedar

EPA Winterized Wash Stations:

Biosphere at West & Vessey (main station)
West Broadway & Park Place – satellite location
Fulton St. between Church & Broadway - satellite location
Trinity & Cedar - satellite location
Albany & West (Bovis Yard) - satellite location

Lockers:

112 lockers are available for members at the Biosphere (West & Vesey Streets)

MEDCOR Medical Sites:

Fulton St., east of Church St.
Vessey St., west of West St.

Cache Site (@ 10/10 Station is as follows: Supplies are for uniformed emergency personnel only.

WEST COMMAND POST

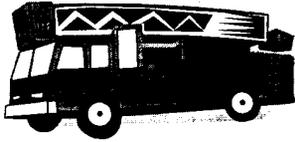
212-608-7753
212-608-7754 (Data Recorders)
212-608-7797
212-608-8048
212-608-9556 fax
212-608-9801 fax (Data Recorders)

EAST COMMAND POST

212-425-4201
212-425-4231
212-425-4217
212-425-4180
212-425-4221
212-425-4096 fax

APPROVED COMPRESSED GAS STORAGE LOCATIONS (Note: Site although approved, are subject to change):

AMEC Zone:	West Street adjacent to foundation for North Bridge
BOVIS Zone:	Front of 90 West St.
TULLY Zone:	South side of Liberty Street between Broadway and Church
TURNER Zone:	Vesey and West Broadway



Safety Message

11/30/01



Major Hazards:

Crane Operations

Falling Glass & Debris

Hazardous Materials

Demolition Operations

Traffic

Lack of PPE

Biological Hazards

Walking and Working Surfaces

Cold Weather

Dust /Airborne Particles

Open Shafts

⊕ ***FAST UNIT***

(FIREFIGHTER ASSIST AND SEARCH TEAM)

- ◆ Know who is in charge of your operation and to whom you report. Find out any important planned actions that may effect the work area.
- ◆ Ensure that all personnel on your team are briefed on the current plan as well as any specific safety concerns that may affect them.
- ◆ If any unplanned changes occur, be sure to inform the members in your team
- ◆ The FAST Unit shall "stand fast," intact as a unit, ready to take immediate action as directed.
- ◆ While standing fast, the FAST Unit shall determine the availability of location of all tools and equipment that might be needed to perform "Distress" duties.
- ◆ Handie talkie messages shall be monitored for any indication of members/workers in distress.

⊕ ***Purpose***

The purpose of the FAST Team is to be immediately available to assist a Firefighter, Rescue Worker or Construction Worker who becomes trapped or is in distress.

As with all workers on the site, be aware of your surroundings. Anticipate dangerous situations and avoid them.

The FAST Team remains an important element in our ongoing operations.

CLEANING OF BUNKER GEAR

**OUTGOING WTC TASK FORCE DETAILS SHALL
TURN THEIR BUNKER GEAR IN FOR CLEANING.**

Pickup schedule shall be as follows:

- Mon. day shift (12/3) – 1900 hrs. on Mon. (12/3)**
- Mon. night shift (12/3) – 0700 hrs. on Tues. (12/4)**
- Tues. day shift (12/4) – 1900hrs. on Tues. (12/4)**
- Tues. night shift (12/4) – 0700hrs. on Wed. (12/5)**

**Gear shall be collected at FDNY Parking Lot located at
Warren & West Streets. Members shall tag their gear.**

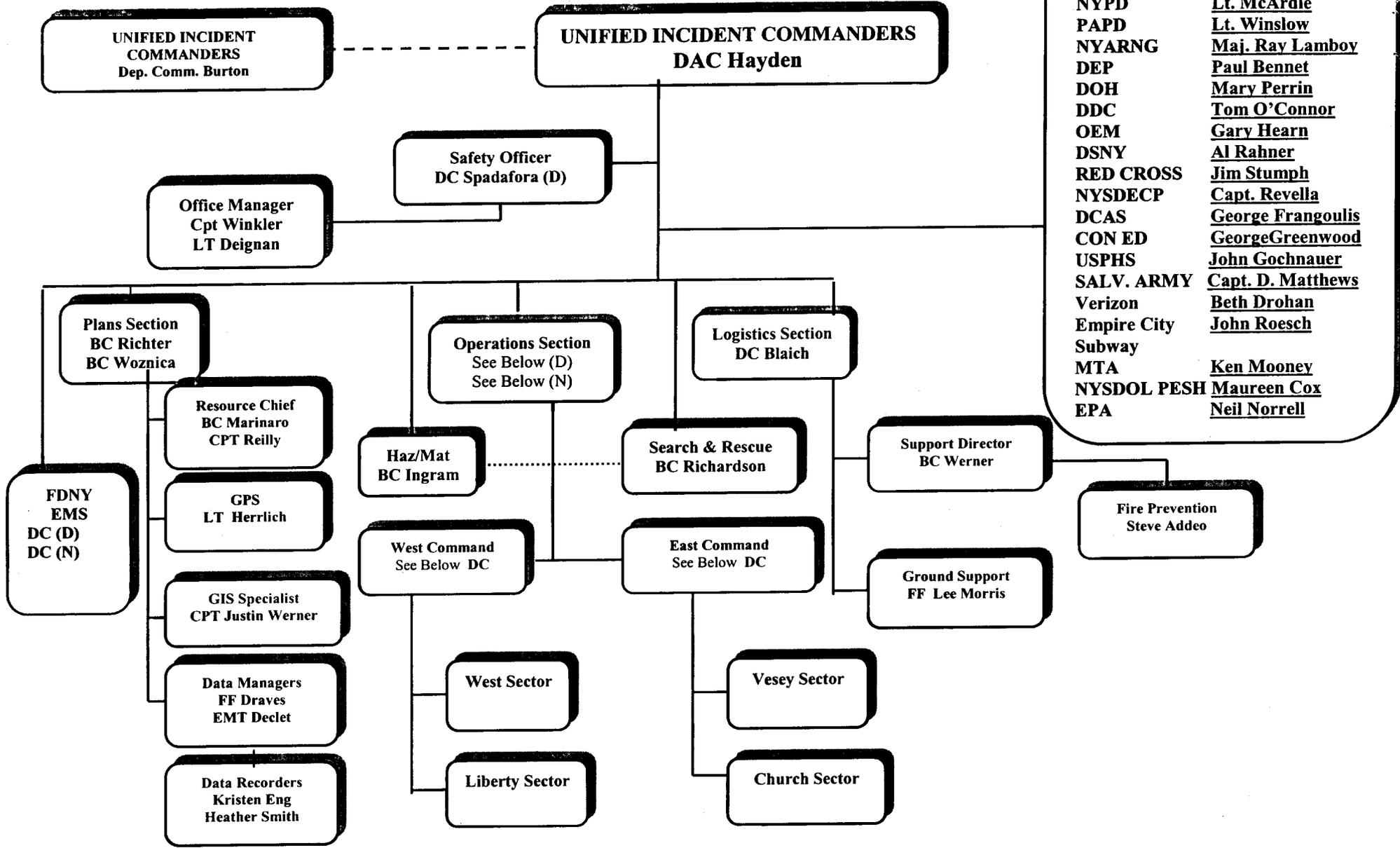
Bunker gear shall be delivered back to Divisions in 24 hrs.

Dave Cornhauser/Tri-Lex 877-709-3009

Joe Goliza/Quartermaster 718-709-3009

11/30/05

WTC ORGANIZATIONAL CHART



- Cooperating Agency Representative
- NYPD Lt. McArdle
 - PAPD Lt. Winslow
 - NYARNG Maj. Ray Lamboy
 - DEP Paul Bennet
 - DOH Mary Perrin
 - DDC Tom O'Connor
 - OEM Gary Hearn
 - DSNY Al Rahner
 - RED CROSS Jim Stumph
 - NYSDECP Capt. Revella
 - DCAS George Frangoulis
 - CON ED George Greenwood
 - USPHS John Gochnauer
 - SALV. ARMY Capt. D. Matthews
 - Verizon Beth Drohan
 - Empire City John Roesch
 - Subway
 - MTA Ken Mooney
 - NYS DOL PESH Maureen Cox
 - EPA Neil Norrell

WTC Task Force	Tour 1	(D)	0700 - 1900	Operations Chief	AC
	Tour 2	(N)	1900 - 0700	Operations Chief	DC -

11/30/01

FDNY – WTC ORGANIZATIONAL LIST

FDNY	Duane St. Command Post	646-613-0228/1591/7293
NYPD	Lt. McArdle	212-233-6408/6427 Pager 914-771- 2889
NYPD-PBMS	D.I. John Codiglia	212-625-2810
PAPD	Lt. Mark Winslow	212-608-5111/5115/9393
OEM	Gary Hearn (IC Liaison)	646-756-6262 Fax 212-941-5266
DEP	Paul Bennet or acting	917-769-1282/718-595-6777
DOH	Mary Perrin	212-788-4293
DDC 0500-1400	Tom O'Connor	917-560-5365
	Tom Amoia	917-681-7572
	Ed McGinley	347-245-0387
1300-2200	Lou Mendes	646-235-3394
	Joe Deluca	347-386-7329
2100-0600	Charlie Kaczorowski	646-772-2406
DDC SAFETY	Bob Adams	212-640-9095
NYSDECP	Capt. T. Revella	646-756-3136
DSNY	Al Rahner	646-235-3040
Red Cross	Bob Bonzick	646-303-7881
NYCSO	Lt. Scali	646-756-3125
NYARNG	Major Thomas Kilmartin	347-739-1320
	Major Ray Lamboy	917-807-1803
	CW4 Ron Robinson	347-219-3986
DCAS	George Frangoulis	646-772-8158
CON ED	George Greenwood	212-460-2602
USPHS	Ronald Herring	347-231-4632
Salv. Army	Capt. Dan Matthews	201-406-8955
Verizon	Beth Drohan	646-613-9247 or 917-301-8864(cell)
	Dan Lynaugh	212-965-5702/5703/5704/5705
Empire City	John Roesch	212-242-1173//1180
	Sandra DiBernardo	
MTA	Ken Mooney	718-243-4446
	John Ferrelli	718-243-3147
	Mike Fradua	718-243-4358
NYDOL PESH	Maureen Cox	518-225-6931
EPA	Neil Norrell	212-608-7097 or 732-689-0010

FDNY

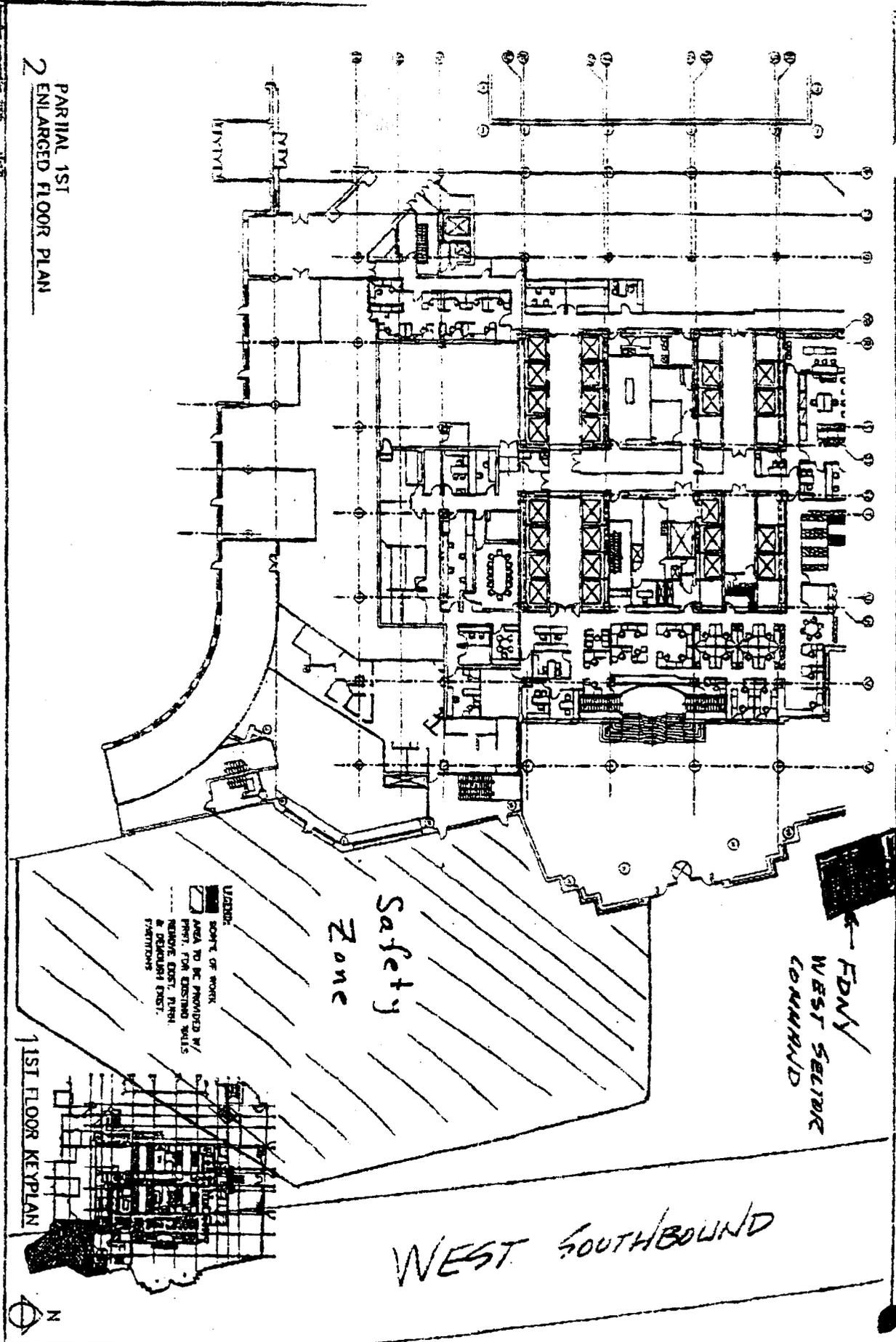
WTC APPARATUS LOCATIONS

TYPE	LOCATION	ACTIVITY
E 40 MP 8903	IFO 3 WFC on West St	Supplies 2 manifolds 1 IFO 6 WTC & 1 IFO 2 WTC Supplies TL 153
E 40-2 MP 8816	Corner of West & Vesey	Supplies E 40
MP 8815	Corner of Albany & Washington	Supplies 2 ½ line to slurry wall
MP 8915	Corner of Albany and Greenwich	Using deck gun to cool hot spots
MP 8917	West St, 150' south of Vesey	Standby/Reserve
MT 9103D	East side south tower plaza	Standby/Reserve
MT 8705D	IFO 3 WFC	Standby/Reserve
BFU 3 9704	Quarters 10/10	Site patrol

Operations Command is requested to update this list and return to the Incident Command Post by 1700 hours daily.

4054
DDC

PARIAL 1ST
2 ENLARGED FLOOR PLAN



LANDING
 SORT OF WORK
 AREA TO BE PROVIDED W/
 PROT. FOR EXISTING WALLS
 & DEMOLISH EXIST.
 CONDITIONS

Safety Zone

FDNY
WEST SECTOR
COMMAND

WEST SOUTHBOUND

Sketch # 1

1ST FLOOR KEYPLAN



NO.	1
DATE	11/10/01
BY	ASK-001
SCALE	AS SHOWN

PRELIMINARY

AMEX NYC BLDG ASSESSMENT
DEMOLITION PLAN
1ST FLOOR



MC CLUER
 ARCHITECTURE
 40 East 58th
 New York, N.Y. 10022
 Tel: 212-757-7700

FDNY

Daily IAP Request Form for Agency _____

ACCOMPLISHMENTS (torch cutting, confined space entries, planned entries and vehicle removals)

PLANNED ACTIONS (Next 24 hours for torch cutting, confined space entries, planned entries and vehicle removals)

ANTICIPATED ACTIONS (Next 72 hours for torch cutting, confined space entries, planned entries and vehicle removals)

FAX DAILY REQUESTS TO FD INCIDENT COMMAND CENTER, 646-613-8406 NO LATER THAN 1500 HOURS FOR INCLUSION IN FOLLOWING DAYS IAP. NO CUTTING, ENTRIES OR VEHICLE REMOVALS WILL BE ALLOWED WITHOUT PRIOR FD APPROVAL.