

FDNY INCIDENT ACTION PLAN



OPERATIONAL PERIOD
SEPTEMBER 30 – OCTOBER 1, 2001
0700 - 0700

Plan 9

A handwritten signature in black ink, appearing to be "R. H.", located below the "Plan 9" text.

OPERATIONAL PERIOD

09/30/2001 – 0700 through 10/01/2001 – 0700

OVERALL INCIDENT OBJECTIVES

1. Provide for the health, safety and welfare of all personnel working in and around the incident.
2. Coordinate with all involved agencies to support the operational needs of the incident.
3. Document all critical items and significant events.

Each sector will have Planning and Documentation personnel assigned to support incident objectives. Specifically, they are tasked to update maps, continue to provide resource tracking, record prior and current significant events and provide liaison services at the request of Sector Chief. Interagency cooperation is essential to mission success.

OPERATING FACILITIES AND LOCATIONS

Incident Command Post	100 Duane Street
Operations Center:	1010 Station (Liberty & Greenwich)
Liberty Sector	Liberty & West
West Sector	Vesey & West
Church Sector	Liberty & Greenwich
Vesey Sector	Church & Dey

RESOURCES

FDNY WTC TF	200 (Total Firefighters/Officers) per 12-hour shift
PD ESU	100 Officers per 12 hour shift.
FEMA US&R	1 modified 8-person recon team from CA-4 on WTC site from 0700-1900 hours. After this 12 hour operational period on 9/30/01, technical resources (structural engineers, canine search, technical search cameras/listening devices etc) from CA-4 (which will be operating as a 2-section rapid response task force) will be available for deployment to the WTC site on a special-call basis as required by the FDNY from Sunday 9/30/01 at 1900 hours through Friday 10/05/01 at 1800 hours.
FEMA RRTF	CA-4 located off site (two locations) operating as a Rapid Response TF to Supplement FDNY capabilities.
SWA IMT	1 to 2 per sector to assist with planning and documentation.

WEATHER FORECAST

Day Mostly Cloudy, Winds NE 20 mph, 30% chance of showers, Highs in mid 60's F
Night Mostly Cloudy, Winds NE 12 mph, 20% chance of showers, Lows in the low 50's F.
Anemometer Locations: 11th floor of the Verizon Building
1010 Fire Station

ACCOMPLISHMENTS (Past 24 hours)

1. Application of "pyrocool" extinguishing additive to North Tower area.
2. Implementation of GPS for mapping and documentation of Recovery Operation.
3. Partial demolition of 4 WTC.
4. Preliminary Long Range Plan for the site received from DDC.

ANTICIPATED ACTIONS (72 hours)

1. Continue in the above-listed operations.
2. As other crane(s) are set up and / or relocated, continue in the accelerated debris removal and void search operations. Concentration of operations will be in the following prioritized order as conditions permit:
 - Winter Garden
 - North Tower
 - Plaza Area and "The Pit"
3. Plan received from DDC is being evaluated on an ongoing basis regarding disposition and process for removing remaining vertical wall sections and limited debris removal process at the Winter Garden building.
4. Perimeter security will continue to be tightened.
5. Approval of Freon Removal Plan from Port Authority.
6. Construction of Family Observation Post at West and Liberty.

PLANNED ACTIONS AND OPERATING INSTRUCTIONS (Next 24 hours)

1. 300 Ton crane is in place at Washington & Liberty Streets. Accelerated debris removal and void search operations will continue. FDNY SOC, PD ESU personnel and (1) FEMA US&R Task Force have been assigned to this location.
2. 700 Ton crane is in place on West St. Accelerated debris removal and void search operations will continue in the North Tower area. FDNY SOC, PD ESU personnel and (1) FEMA US&R Task Force have been assigned to this location.
3. Assembly of a 1000-ton crane on West St. in the proximity of the Marriott WTC Hotel is proceeding on schedule. Crane is anticipated to be operational by 9/29 2000 hours.
4. Steel cutting operations with the utilization of oxy-acetylene cutting set-ups (and subsequent removal of debris by rigging and heavy equipment) is to continue. Ironworkers are to be utilized to accomplish this mission. FDNY SOC, PD ESU and FEMA US&R personnel will be utilized to assist and supplement this function. All available cutting set-ups should be utilized on a continual basis as conditions permit. Void search operations will follow these cutting operations as voids are exposed. These cutting and void search operations will occur in all sectors as required.
5. All personnel operating on the South Tower will be in bunker pants as required due to the high heat level being generated on the lower levels of the debris piles. Consideration should be given to stretching protective hand lines as required in all areas of operations. Protective hand lines are in place at the North Tower, continue to operate as required.
6. **NO** void search operations without approval of FDNY Sector Chief in the North and South Towers. Use this time to facilitate the placement and use of large caliber water streams onto areas affected by fire on the North and South Towers. Maximize placement of portable monitors for continuous fire extinguishment operations.
7. NIJ has six camera points that will assist in locating the flight recorders.
8. Void search operations will continue in the Winter Garden area as heavy steel is removed by crane. A FEMA US&R engineer will be available to conduct on-going evaluations of the conditions in this area for the operational period of 0700 hours through 1900 hours. FD SOC personnel and PD ESU personnel will continue to conduct void searches as required.
9. Continue to review operational/engineering plan to facilitate removal of the South and West façade walls still standing in the South Tower area. FDNY, FEMA US&R, DDC and site construction manager to review plan and evaluate results of deconstruction process.
10. Construct an access road to facilitate heavy equipment operations in the Plaza and Pit area between WTC #4 and WTC #5.
11. Continue use of GPS for mapping and documentation of recovery operations as well as structural features.
12. Preliminary Long Range Plan for the site submitted by DDC will be presented to Mayor for approval early next week.
13. Restricted work at WTC 4 due to demolition.
14. Anticipated entry by DDC engineers, FDNY HazMat, PAPD ESU and DEP via path tubes to evaluate slurry walls, perform air monitoring and take selected water samples for analysis. A second entry may take place from the south side of the site Monday 10/01 depending on results of Sunday's recon. Both entries subject to FDNY approval.

SPECIAL INSTRUCTIONS

FDNY Sector Chiefs will approve all searches.

Review posted information regarding Minimum Protective Equipment Requirements, Site Safety, Evacuation Warning Signals, Site Hazards, Blood Borne Pathogens and Hazard Markings on Buildings.

Only white, non-photo credentials will allow access into the site. The new credentials are available at PS/IS 89. Security checkpoints have a list of exempt agencies. **Only FDNY personnel arriving by bus** will be issued color coded bands for authorized entry into the site.

Document on the **grid map dated 09/20 or later** and in the sector operations log locations of any victims, public safety personnel, apparatus and equipment found.

When public safety personnel, apparatus and/or equipment are found, please protect the area and notify the appropriate agency for appropriate documentation and removal.

If weapons or ammunition are found, secure the area and immediately notify law enforcement authorities.

Upon approval of FDNY Operations Sector Chief, only physicians will perform field amputations.

Individuals within the Green Line must wear minimum recommended safety gear. See attached map.

Damaged SCBA Tanks:

1. If possible, slowly remove air pressure by opening valve.
2. If the valve is damaged or missing – do not remove tank and notify Sector Chief.
3. Sector Chief will notify Operations Command Post for relay to HazMat Operations for further instructions.

A single unit with one officer and 2 firefighters is dedicated to respond to fires and emergencies within the restricted area.

VIPs must arrange tours with OEM located at Pier 92 before visiting the site. If VIPs found unescorted on site, NYPD will escort them off site.

FDNY/EMS Staffing

Each Sector will be staffed with the following minimum:

- One EMS Lieutenant
- One Gator with 2 EMTs
- One BLS Unit (Basic Life Support)
- One ALS Unit (Advanced Life Support/Paramedic)

Disaster Medical Assistance Teams

- | | |
|--------|--|
| DMAT 1 | Chambers Street/West Street (In Borough of Manhattan Community College. This is the Medical Command for DMAT areas) |
| DMAT 2 | Vesey Street/West Street |
| DMAT 3 | Liberty Street/South End Avenue (In a deli) |
| DMAT 4 | Liberty Street/Church Street (In a tent) |

LOGISTICS

- Access points are as follows:
 - West & Chambers Vehicle and Pedestrian access
 - Church & Chambers Vehicle and Pedestrian access
 - Murray & Broadway Vehicle access only
 - Trinity Place & Rector Vehicle access only
 - Carlisle Street (West) & Rector Vehicle and Pedestrian access.
- There are several authorized volunteer EMS agencies in service.
- There will be five (5) authorized meal sites. They are:
 - St. John University at 101 Murray.
 - Spirit of New York cruise ship berthed at the north pier.
 - McDonald's on Fulton between Broadway & Church.
 - Uncle Ben's between Vesey & Murray.
 - The Salvation Army on West and Murray.

FOOD VENDORS

- The DOH in conjunction with the NYPD will continue to work toward taking down the unauthorized eating / feeding areas.

SANITATION

- 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 and eye wash stations available at West and Murray St Johns Univ.
- Additional washes and showers are available on a limited basis at the Liberty Street Marina to augment the entrance/exit facilities.

CACHE SITES

- Three sectors now have operational CACHE units.
 - West Sector- Port Authority
 - Liberty Sector- NYPD
 - Church Sector- FDNY

COVERALLS

- Coveralls for FDNY staff will be available at West/Murray/Chambers Street Area. Tradewinds Laundry Service will pick up & distribute from the World Fair Marina. The tent will be staffed with their personnel who will collect and size the coveralls. Pick up and drop off times:

<u>Outbound Crew</u>	<u>In Bound Crew</u>
0530	0700-0900
1330	1430-1630
2130	2230-2330

The laundry will be done at their commercial facility in L.I.C. 4000 units shipped to WFM.

NOTIFICATION

The E train is now running under Church Street. It will discharge passengers at Chambers Street Station and proceed south at less than 10 mph to WTC station. A switch will be activated and the train will proceed to the north at less than 10 mph to the Chambers Street Station where it will take on passengers. The WTC Station will remain closed.

Victim Family Visit to Red Zone

Scheduled Tours

Daily 10:30, 12:00, 14:00

Fire Department Families

Daily tours at 11:00 and 19:00 arranged through the Fire Department.

Additional tours not scheduled may occur.

Tour Group

Approximately 73 persons per trip

Victim Family

10 Families, 5 members per family

Mental Health Professional

2 PD, 5 DOH, 5 Red Cross

Security

3 NYSP, 3 NYPD

Support

5 Mayor's Community Assistance Unit

Tour Route

1. Depart from Pier 92 to North Cove Marina.
2. Disembark at North Cove Marina's New York Waterways dock.
3. Walk around Marina to Liberty Street and West Street.
4. Lay flowers at the Marina's promenade perimeter.
5. Embark at New York Waterways dock.
6. Depart from North Cove Marina to Pier 92.

Route will be adjusted daily to reflect Red Zone condition.

Contacts

Conrad Vazquez	917-682-3469	CAU (Mayor's Community Assistance Unit)
Jose Baptista	917-882-8998	OEM

A Careful Worker is the Safest

Watch out for changing conditions, footing, and CONTINUE to use ALL PPE, Head, Eye, and Respiratory Protection. Take time to protect yourself, the life you save may be your own.

Site Safety Awareness:

- Your attitude
- Do not take unnecessary risks during this phase of the operation. Use all required safety equipment and follow procedures.
- Awareness of YOUR surroundings is key to your safety.
- Plan for the HAZARDS of the job.
- USE safety equipment at all times.
- Doing your part to prevent/reduce accidents in the work zone.
- Watch out for your co-workers on the scene

Hazards:

- Due to the instability of Winter Gardens Atrium between 2 and 3 World Financial Center, only designated personnel shall work in that area. Safety Chiefs and Sector Chiefs shall monitor for compliance. The SW corner of Building #5 is not a safe place to congregate. Stay out from under damaged buildings and hanging debris.
- Potentially pressurized cylinders including: SCBA's; gas cylinders such as propane, ammonia, chlorine, etc.
- Possible live ammunition at WTC 7, Barclay Street Ramp and the Customs House
- Walking, Working Surfaces
- Falling Debris
- Airborne Contamination
- Bio-Hazards, Universal Precautions
- Cutting, Welding-Compressed Gasses
- Cylinder Storage
- Vehicular Traffic
- Backing Vehicles
- Excavation Equipment
- CRANE Operations- Be aware of swing & stress cables and whipping of broken cables
- Sewer Grates, Trenches, Manholes – possible collapse or a vector for the release of toxic gas vapors

Mitigation: LOOKOUTS posted, COMMUNICATIONS reliable, ESCAPE ROUTES planned and known by all, SAFETY ZONES planned and known by all

- EVACUATION SIGNAL – 3 BLASTS
- Each Sector Command MUST assign a Safety Officer
- Each Sector Command MUST assign a FAST Truck for Emergency Response
- Treat all cylinders as pressurized & volatile
- Work with a buddy who has visual contact with you
- Control Site Access – allow only authorized, trained & properly equipped personnel inside the “green zone”
- Maintain Site Safety Awareness
- Be aware of changing conditions
- Do not eat or smoke in the work zone (Hand washing prior to eating)
- Scout out, identify, plan, and advise others of escape routes in event of emergency of any type
- Climb with proper protection at all times
- Mandatory head and eye protection at all times
- Look overhead and be aware of all surroundings
- Change respirator filter when resistance is felt from air flow or at least after every shift
- Have a reliable means of communications

Protective Equipment: MUST WEAR MINIMUM RECOMMENDED GEAR WITHIN THE “GREEN ZONE”

- Hard Hat or helmet
- Respirator with replaceable P100 organic vapor/acid gas cartridges. Replace filter after each shift.
- Steel toed boots or equivalent
- Coveralls or Long Sleeve Shirts
- Safety glasses with side shield / face shield / goggles
- Leather Gloves with latex (or nitrile) glove liner

Near Misses

***Several eye injuries have been prevented with safety glasses this week.

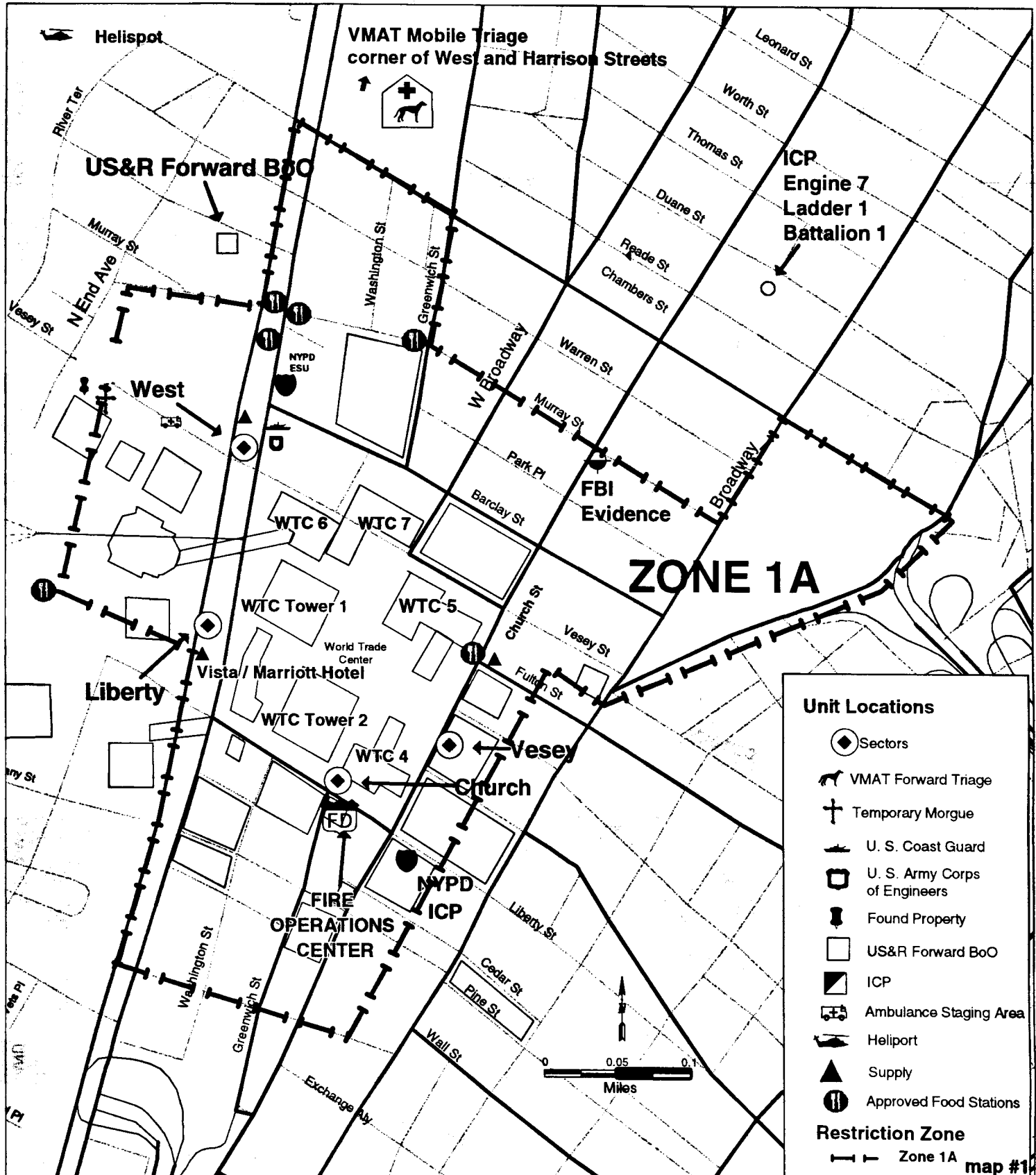
***Over 500 eye injuries could have been PREVENTED by using safety glasses or eye protection

***On 9/26 at approximately 1430 hours a crane operating in the North Tower area snapped a cable while hoisting a load. This caused the load to drop narrowly missing 4 workers.

***A contractor received several stitches in his nose from falling glass but a more serious injury was prevented because he was wearing head and eye protection.



DR-1391-NY New York City Facility Locations - September 28



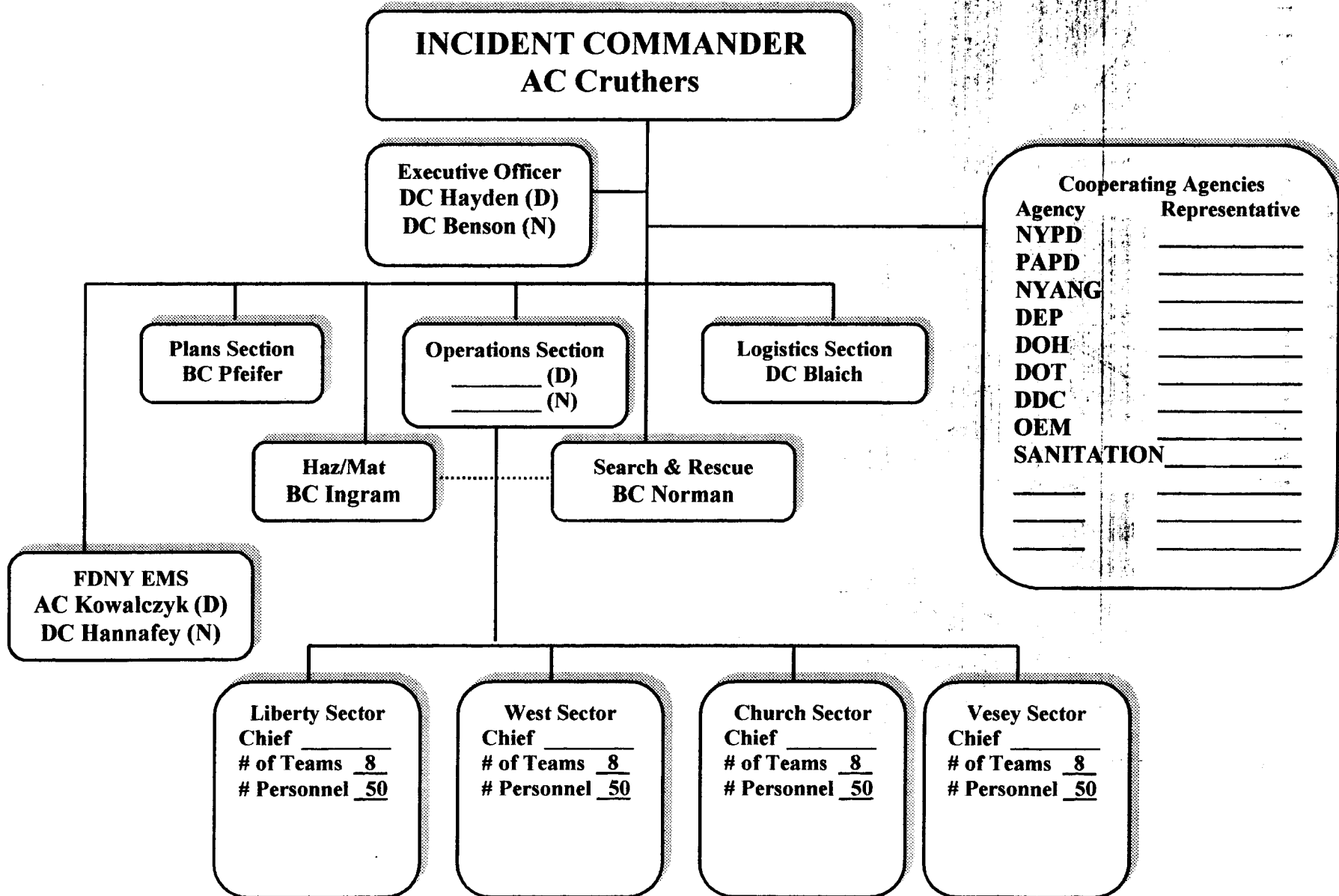
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LOCATIONS AND BOOM REACH APPROXIMATE

J:/WTC-TDWGS/CRANEPLAN/2001-09-29-AM--CRANEPLAN.DWG

FDNY – WTC ORGANIZATIONAL CHART

Date _____ Time _____



WTC Task Force

0700 9/30-0700 10/01

Tour 1 0700-1900 9/30

Operations Chief: AC Callan

**DC Coloe
DC Spadafora
DC McKnight**

Tour 2 1900-0700 9/30-10/01

Operations Chief: DC Corcoran

**DC Kilduff
DC Goldfarb**