

WEEKS WERE PUBLISHED

PROBLEMS TAKEN UP IN OUR

SUBMISSIONS DURING THE PAST YEAR

WEEKS OF JULY 2000 - SEPTEMBER 2000
WEEKS OF NOVEMBER - DECEMBER 2000

31 PRACTICES

5259 (403 8 1997)
5259 2000 JUNE 2000

COMMUNES - COMMUNES

MARKS ON WHICH MORTALS

SHOULD NOT BE

PERMITTED TO DO

MARKS WHICH

ENDURE - WHICH ARE SOMETIMES VISIBLE

HENCE ZANNE ALTH

IS STILL MARTIAL

ON WHICH ZANNE

COMBINED WITH OTHER PRACTICES

TO ENDURE THROUGH THE PAST

(NEMAN 21 1999)

WEEKS WHICH ARE VISIBLE - LEAD

10/15/01

NCCSE

THROUGH BOULDED COLUMNS SOURCES
W/ ACCESS HOLES

THESE HAVE BEEN SEVERAL FIRES
IN THE TRADE CENTER

5 SMALL HEDGES LOCATED IN LT. DUTY
CONTAIN & BOUND CLST. DIST.
PERIMETER FRAME - COLUMNS = 1' OC +

1ST STORY WALL

NO DEENTS DURANT CONST.

ALL ON LOAD FILE

TOUCH ON TWO HEDGES DURING CONST.

1993 BOMB BURST - 6' FROM N. TOWER
B2 LEVEL

AIR LOCK DESTROYED
TO NEUTRALIZE AIR PRESSURE

SMOKE SICKENS UP THROUGH TOWERS

FIRE CONDITIONING - PREVENTED BY EMERG.

UNBALANCED LENGTH OF CCL.

BALANCED BY DEBRIS

REMOVED W/ little LOSS

SURVEY HIGHLIGHTS W/ WORKERS INSTRUCTED

BULL SIDE OF TRADE CENTER STOCK W/ LUBE

COLUMNS HAD X BRACERS BECAUSE GRADE

CONT. EAST columns.
(2) T's, L-shaped Hedges - Bridges - Range

Peris = Chairs, Telephone Lines,
Structures

9-11-01

57 CAR BACK FACE

23 DESTROYED IN FACE
IMAGE ON SIDE & INTERIOR
SHOWS SHOES OR GRANADE'S.

THE FIRE IS STILL BURNING
MATURE METAL - STILL BURNING (HEAT)
SHOES SHOES OR GRANADE'S.

MOR BOMBS FROM BOMBERS VS BLAST
FIRE & WATER - DESTROY
STEEL BEAMS RECYCLED (BY BORGES)

4" THICK PLATES STEEL ON SAME CAR
CAR SHELTER OF CAR LEVEL
NEW 6' OF WATER IN BASEMENT.
3' AFTER BOMB BOMB

BUILDINGS SURVIVED 40 YEARS AFTER
1ST STRIKE BY TWIN AIRCRAFT
THEN NOT
THERE AGAIN.

BUILDING WAS PRETTY BIG
LOOKED SICKLY WITH SOME BEHIND IT
YOU CAN SEE IN THE LIGHT AND THEY
WERE BOMBED IN.

VS STEEL BUILDING AND OTHER
BUILDINGS WERE BANKS DESTROYED
IN CONSTRUCTED DURING THIS
PERIOD BY THE FRENCH.

107 Impact - Design

180 mph (From Port Authority)
20 story - largest designed by Leslie
Priest for the World Trade Center
(B-25, Empire State Building)
No thought or terrorist.
But did design for espionage

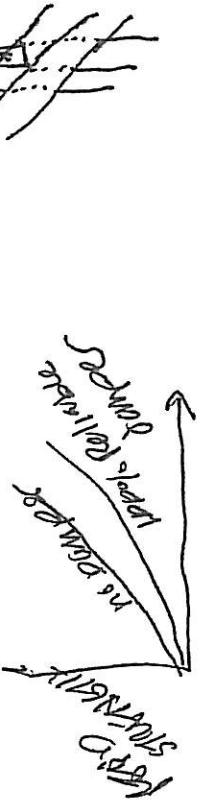
PWNE would have been much stronger
Urban terrain Es.

Structure - ok
Fire!

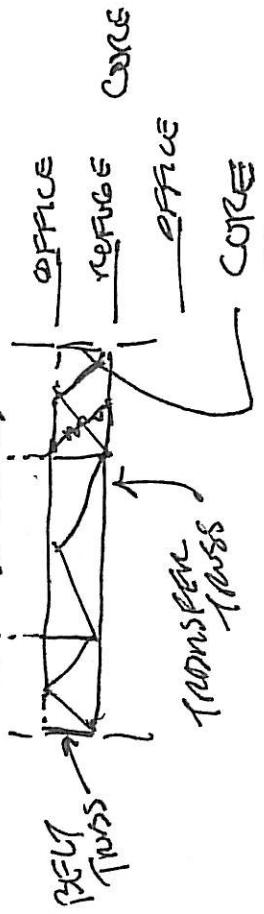
Building had one - but current
with all rods off and off center

Urban point load = YX seismic
system - very redundant.
Fence in LA.
1 acre / fence

Topline uses between departments
of structure for sturdy movement.
8" thick slabs for meat / acoustical
requirements



perimeter col. pass through diagonals
enhanced durability



Afterwards movement transferred to ext. columns and

part passes.

Prepare perimeter because

other than tenses and

do not fit!

Composite material structure
- hybrid of fibres
- plastic & metal matrix

product coming in fact east

1/2 national vs international

The design concept for a 260 m bulb.

10/10/10

LEAF DESIGNS

LEAF PROTECTION

Timed Substituted Dampener Systems
also Shimz (25 min in chester)

- Timed mass dampers
- Electric power required
 - Self contained - No power reqd.

- Active dampers
- Electric power reqd.

Flame front like vibration

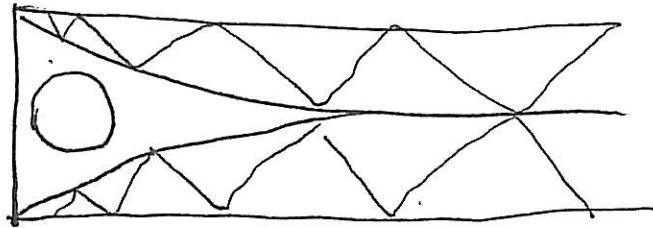
- Perimeter soil will not pinned
 - Intercalate it will act fixed by Nelson studs and bar in tapping
- Ship : vibration due thickness / end is fixed ! Design pins fixed.
(fixed pins per vibration)

PERIODICALLY fixed reducing soil wt.

- 1.0 MF
- 0.65 reduced frame
- 0.7 \Rightarrow reduced system with other factors

Steel pipe columns
open ended
Deeper piles & core

- Perimeter and core concrete shear transfer waves
- Can pass shear forces to concrete walls instead of thickening wall.
- Piles can be extended by driving new pile inside and through old pile
- If bearing is a problem - dig out soil in pier and fill w/ concrete
- Backfill will only be open at night
- 5-10 yrs / ft² - total dupl wt.



NCSSEA - WEFRP TRADE CENTER REPORTS

12/6/01 W Gene Corley

TEAM ORGANIZATIONS

ASCE / SEI

IRC NFPA

ACI SFPE

NCSSEA (Society of Fire Protection Engineers)

TEAM VISIT WILL VISIT TRADE CENTER SITE
TOMORROW!

BUILDING PERFORMANCE STUDIES

IDENTIFY BUILDINGS WHICH WILL BE ON
ASCE FUTURE TARGETS

ELEVATOR COLLAPSE - (PARENTHESIS)

PARTIAL COLLAPSE (PARENTHESIS)

BUILDING STOOD 20 MIN.

WTC - 1ST FLOOR

① PEOPLE, SEIS, MATERIALS, FIRE, ETC
② PEOPLES + OTHERS

BETTER PHOTOGRAPHIC MATERIAL
THAN ANY OTHER "FAKEOUT" ENTHOUSE
IMPACT DAMAGE

PHYSICAL DAMAGE VS. FIRE DAMAGE
SECTION & CHECK MARKS FROM
GOVERNMENT CONSTRUCTION - STILL ON
SOME MEMBERS

TOWER 1 plane 90th floor ±
TOWER 2 plane 80th floor ±

TUBE 14 TUBE const.

3' 3" x 3' column spandrel @ ext.
longer level

fire department hurried to save people
search and rescue - fires were
controlled, but allowed to burn
in remaining buildings

large adjacent building - missile
column - but still standing
another building - burnt out - but
still standing.

some burning from plane -
other burning from after.

intent to stay perimeter

of buildings

possibly make recommendations
for future buildings that
are possible targets of
terrorists.

15
11
10
9
8
7
6
5
4
3
2
1

REQUIREMENTS
IN PRACTITION

TRYING TO ADAPT THE

MY OWN CODE -

ORIGINATE OF PHOTOS

MORE DETAILS EVALUATION AFTER

~1 hr / BUILDINGS.

ATC 20 - EVALUATED 40 BUILDINGS
W/ MORE VOLUNTEERS

IDENTIFY MOVEMENT AND POTENTIAL
DANGER.

BUILDINGS EVALUATED 15 MINUTES TO
SURVEYORS MANUFACTURE SURVEYS

TEMPORARY STRUCTURES.

STRUCTURE STABILITY OR DEBRIS,
WHICH BUILDINGS, ETC...

ATC-1 PROTOCOL FOR STORMIC USES

ONLY SENIOR ENGINEERS USED

4- TALKING POINT CENTERED ON GROUP
4 TEAMS - 8 hr Shifts

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CONTACTED EACH OTHER THROUGH EMAIL

PRO POLICE PE PRESENT.

- REASSEMBLY ORGANIZED THE WORKERS, DUE
TO VIBRATIONS ON CEMENTED THE WORKERS, DUE

SEASIDE