

(3) Blue

16-140 W

BLOCK NUMBER LOT NUMBER SECTOR

16 140 B1

WTC EMERGENCY - CITY OF NEW YORK
STRUCTURAL ENGINEERING ASSOCIATION OF NEW YORK

DETAILED BUILDING EVALUATION SAFETY ASSESSMENT FORM

INSPECTION

FINAL RATING:

☐ INSPECTED☒ RESTRICTED - Structural☐ UNSAFE - Structural☒ RESTRICTED - Collateral☐ UNSAFE - CollateralINSPECTOR N. HAMILTON, A. RAHIMIANINSPECTION DATE AND TIME 9-21-01GROUP NUMBER WESTEVALUATION AREA ☐ Exterior Only ☒ Exterior and Interior

BUILDING DESCRIPTION

ADDRESS 200 VESEY STREETZIP CODE 10281NUMBER OF STORIES 50"FOOTPRINT AREA" (sq ft) 88400.181PLACENAME / ADDRESS 2 Tower G and WintergardenCONTACT ROBERT F DAUER

TYPE OF CONSTRUCTION

☐ Wood Frame☐ Concrete Shear Wall☒ Steel Fram☐ Unreinforced Masonry☐ Tilt-up Concret☐ Reinforced Mason☐ Concrete Fram☐ Other: _____

3 WFC

PRIMARY OCCUPANCY

Commercial

OFFICE BLDGS: Tower Types

EVALUATION

Investigate the building for the conditions below and check the appropriate column. There is room on the second page for a sketch.

Overall Hazards:

Minor/None Moderate Severe

Comments

Collapse or Partial Collapse

☐☐☒S.E. Corner Bay, 17th to 26th Fls., 1 to 10

Building or Story Leaning

☒☐☐None

Roof Damage

☒☐☐Not observed except set backs

Other _____

☐☐☐

Structural Hazards:

Foundations

☐☐☐Not inspected.

Roofs, floors (vertical loads)

☐☐☒@ S.E. Corner Bay. Holo @ 18th Fl, Cracks @

Columns, pilasters, corbel

☐☐☒SE. Corner col. missing/damaged. All others OK. 17-2

Diaphragms, horizontal bracing

☒☐☐No damage

Walls, vertical bracing

☒☐☐No sign of damage

Grated Precast connections

☐☐☒Localized @ SE Corner.

Other _____

☐☐☐

Nonstructural Hazard

Parapets, ornamentation

☐☐☐

Cladding, Glazing

☐☒☐

Ceilings, light fixtures

☐☐☒Localized @ SE Corner

Interior walls, partitions

☐☒☐Moderate in East Bay

Elevators

☐☐☐Not inspected.

Stairs, exits

☒☐☐None

Electric, gas

☐☐☐Not inspected.

Other _____

☐☐☐

Geotechnical Hazard

Collapse or Partial Collapse

☒☐☐None

Building or Story Leaning

☒☐☐None

Other _____

☐☐☐

General Comments:

① The S.E. Corner bay, (17 to 20) has beams that are sloping up to 1/2" per ft. 18th Flr slab is missing, column has marginal E-W restraint @ that level. Level 17 is holding without sign of distress, but debris loads from levels above are significant. DEBRIS HAS BEEN STABILIZED Temporarily.

② THE SE Corner (Levels 1-10) is completely collapsed. Remaining perimeter E-W beam is ~~not~~ warped @ bottom flange. Connections are intact.

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16-140

DETAILED BUILDING EVALUATION SAFETY ASSESSMENT FORM

Page 2

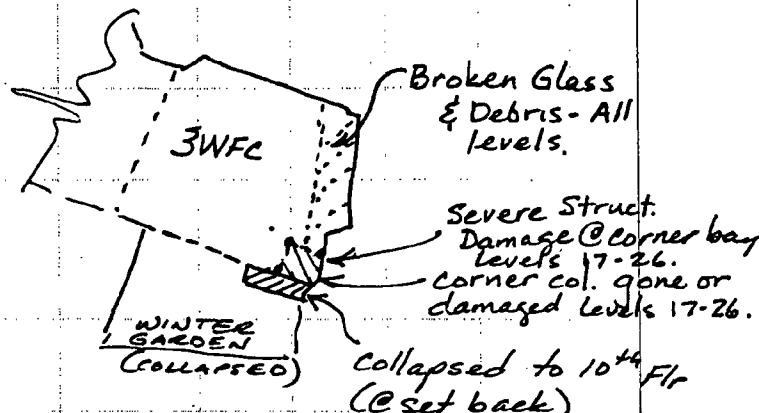
Sketch (optional)

Provide a sketch of the building or damaged portions. Indicate damage points

Estimated Building Damage

If requested by the jurisdiction, estimate building damage (repair cost / replacement cost, excluding contents).

- ☐ None
- ☐ 0-1%
- ☐ 1-10%
- ☒ 10-30%
- ☐ 30-60%
- ☐ 60-100%
- ☐ 100%



RATING

If there is an existing rating from a previous evaluation, check the appropriate box.

Previous rating: ☐ INSPECTED ☐ RESTRICTED - Structural ☐ RESTRICTED - Collateral ☐ UNSAFE - Structural ☐ UNSAFE - Collateral Inspector ID _____ Date _____

If necessary, revise the rating based on the new evaluation and team judgement. SEVERE conditions endangering the overall building are grounds for an UNSAFE rating. Local SEVERE and overall MODERATE conditions may allow a RESTRICTED USE rating. Indicate the current rating below and at the top of page one.

- ☐ INSPECTED
- ☒ RESTRICTED USE - Structural
- ☒ RESTRICTED USE - Collateral
- ☐ UNSAFE - Structural
- ☐ UNSAFE - Collateral

Record any use and entry restrictions: ① Bldg is unsafe @ SE Corner. Restrict all access two column bays from perim wall @ SE Corner, ~~to~~ All Levels.

② Bldg ~~restrict~~ access to Winter Garden is restricted.

③ Eastern Bay of bldg has broken glass & debris. Requires fixing before access is allowed.

FURTHER ACTIONS

Check boxes below only if further actions are needed.

☒ Barricades needed in the following areas: Protection for workers/people at grade along East Face. Keep away from SE Corner.

☒ Detailed Evaluation recommended: ☒ Structural ☐ Geotechnical ☐ Other: _____

☐ Other recommendations: ① Remove damaged structure @ SE Corner, one corner bay, levels 18 to 26. Currently that structural bay is cantilevering from remaining columns, which is ^{very} unsafe. Columns currently appear to be carrying the load OK.

COMMENTS: ② Remove SE Corner remaining slabs where hanging on.

Evaluate capacity of remaining perimeter beam to be repaired.

62-1

E

DETAILED BUILDING EVALUATION SAFETY ASSESSMENT FORM

Page 2

Sketch (optional)

Provide a sketch of the building or damaged portions. Indicate damage points

Estimated Building Damage

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- ☒ 1-10%
- ☐ 10-30%
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- ☐ 60-100%
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Record any use and entry restrictions:

FURTHER ACTIONS

Check boxes below only if further actions are needed.

- ☐ Barricades needed in the following areas: _____
- ☐ Detailed Evaluation recommended: ☐ Structural ☐ Geotechnical ☐ Other: _____
- ☐ Other recommendations: _____

COMMENTS: _____

INSPECTION CHECKLIST

62-1

E

ADDRESS: 1 LIBERTY PLAZA STEEL BLDG. 55 STORIES

BLOCK 8 62 LOT: 1

DATE: SEPT 21/01

INSPECTOR'S NAME/CREW: LABOUREL, GEORGE; MARIA TERESA FERNANDEZ, JOSE G

EVALUATION AREA: ~~INTERIOR~~ ENTIRE

EXTERIOR ONLY: NO (INTERIOR & EXTERIOR)

FACADE: WINDOW DAMAGES ON THE WEST.

YES ☒ OR NO

STRUCTURAL DISTRESS: (CRACKS) NONE.

GLASS DISTRESS: YES

ALIGNMENT: ~~NO~~ O.K.

CLEANLINESS: OKAY B+

DUST: YES THICK ($\frac{1}{2}$ OR MORE) ☒ OR THIN ($\frac{1}{4}$ OR LESS)

ON FIRST FLOOR (BROOKS BROTHERS)

REQUIRED ITEMS: SIDEWALK SHED,

YES OR NO

SIDEWALK SHED ☒: YES

FENCE REQUIRED THEY HAVE FENCE AROUND

PERIMETER BUT IT IS ONLY FOR SECURITY.

REMARKS: ~~NO~~ STRUCTURALLY SOUND

WENT UP TO 54th FLOOR ON FREIGHT ELEVATOR AND THEN TO THE ROOF, WHICH IS CLEAN ALREADY. COOLING TOWERS AND SUPPORT ARE IN GOOD CONDITION. 44th FLOOR OFFICES WITH BROKEN WINDOWS ARE ALREADY CLEAN. THEN 24th FL, 22nd AND 2nd FLOOR THE SAME. FIRE STAIRS A & B ARE IN VERY GOOD CONDITION.

FIRST FLOORS FACING TOWERS ON CHURCH ST. WINDOWS ARE BROKEN (WEST SIDE OF THE BLDG) STORE (BROOKS BROTHERS) RUINED WITH DEBRIS AND DUST)

CELLAR LEVEL ACCESS TO WTC PLAZA CLOSED DUE TO DAMAGE

BROKEN WINDOWS ON UPPER FLOORS ARE REPLACED WITH PLASTIC

THERE ARE NO BROKEN WINDOWS ON THE OTHER SIDES EXCEPT FOR ONE.

Signature:

Yana Gonzalez
Geo. Labourel
 LABOUREL & FERNANDEZ

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