



# US&R CRANE USE FORM

1. Prepared By: \_\_\_\_\_

2. Date: \_\_\_\_\_

3. Time \_\_\_\_\_

Situation Name: \_\_\_\_\_

Date and Time of Lift: \_\_\_\_\_

Rigging Task: \_\_\_\_\_

Task Force Name: \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Task Force Leader: \_\_\_\_\_

Load Description: \_\_\_\_\_

Crane Operator: \_\_\_\_\_

Load Weight: \_\_\_\_\_

Crane Make & Model: \_\_\_\_\_

Block Weight: \_\_\_\_\_

Crane Serial No.: \_\_\_\_\_

Rigging Weight: \_\_\_\_\_

Boom Length: \_\_\_\_\_

Jib Weight: \_\_\_\_\_

Jib Length: \_\_\_\_\_

Jib Ball Weight: \_\_\_\_\_

Jib Position:  Stowed  Retracted  Offset at \_\_\_\_\_

Hoist Line Weight: \_\_\_\_\_

Size of Counterweights Installed: \_\_\_\_\_

Other Weight: \_\_\_\_\_

Front Outrigger Intalled: Yes No

Total Weight: \_\_\_\_\_

Crawlers  Outriggers  Tires

Lift will be On:  On Main Block  On Jib

Setup On:  Extended  Retracted  Other

Max. Intended Working Radius

Boom Angle:

Rated Capacity:

Percent of Capacity:

(Total Load / Rated Capacity)

Over Rear: \_\_\_\_\_

Over Rear: \_\_\_\_\_

Over Rear: \_\_\_\_\_

Over Rear: \_\_\_\_\_

Over Side: \_\_\_\_\_

Over Side: \_\_\_\_\_

Over Side: \_\_\_\_\_

Over Side: \_\_\_\_\_

Over Front: \_\_\_\_\_

Over Front: \_\_\_\_\_

Over Front: \_\_\_\_\_

Over Front: \_\_\_\_\_

SKETCH:

Large grid area for sketching the crane setup.



## GENERAL STRUCTURE DATA

1. Incident Name

2. Date

3. Time

4. Operational Area

5. Operational Period

6. Roads/Bridges/Infrastructures (General)

7. Obstructions/Hazards (General)

8. Structures (Type/Construction/Conditions/Damage)

9. Search & Assessment Summary	Quantity Cleared (#)	Minor Damage (# or %)	Severe Damage (# or %)	Destroyed (# or %)	Quantity Searched (#)
<b>Totals</b>					
Grid / Coordinates					
Grid / Coordinates					
Grid / Coordinates					
Grid / Coordinates					
Grid / Coordinates					
Grid / Coordinates					

10. Comments

11. Prepared by (Field STS)

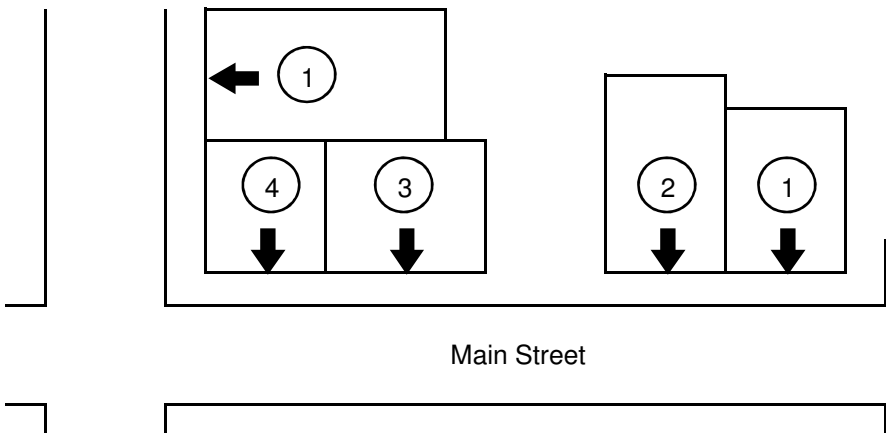
12. Approved by (IST STS)



## HAZARDOUS STRUCTURE LISTING

1. By:	2. Date	3. Time
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<b>Property Information:</b> GPS Coordinates <or> [Address / Lot / Name / Identifier]: _____ _____	<b>Hazard Information:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Falling Debris</td> <td style="width: 33%;">Tanks / Cylinders</td> <td style="width: 33%;">Other</td> </tr> <tr> <td>Collapse</td> <td>Gas Service</td> <td>Power/Generator</td> </tr> </table>	Falling Debris	Tanks / Cylinders	Other	Collapse	Gas Service	Power/Generator
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- NOTES:**
- Survey is by building, not by suite
  - Survey of building perimeter (interior when possible)
  - Survey is intended to identify life safety hazards



## INCIDENT OBJECTIVES

1. Incident Name

2. Date

3. Time

4. Operational Period

5. General Control Objectives for the Incident (include alternatives)

6. Weather Forecast for Period

7. General Safety Message

8

Attachments (mark if attached)

Situation Report

Structure Triage - TRI-2

General Structure Data

USAR Structure-Hazard Form - HAZ-1

Initial Recon

USAR Structure-Hazard Form - HAZ-2

Hazardous Structure Listing

USAR Structure-Hazard Check List - HAZ-3

Structure Triage - TRI-1

USAR Crane use Form - CUI

9. Prepared by (Field SFS)

10. Approved by (IST SFS)



# INITIAL RECON

1. Incident Name

2. Date

3. Time

4. Operational Area

5. General Control Objectives for the Incident (include alternatives)

6. Method of Recon

SKETCH:

Recon Legend

Conditions

- ① Washed Out Road
- ② Washed Out Bridge
- ③ Collapsed Bridge
- ④ Shore Line Erosion

Assessments

- ⑤ High Rise Damaged
- ⑥ High Rise Collapsed
- ⑦ Low Rise Damaged
- ⑧ Low Rise Collapsed

Observations

- ⑨ Resident Activity
- ⑩ Local Emeg Activity
- ⑪ ESF Activity
- ⑫ No Activity

Other

- ⑬
- ⑭
- ⑮

7. Comments

8. Prepared by (Field StS / IST StS)

9. Approved by (Incident Commander)



## SITUATION REPORT

1. Incident Name

2. Date

3. Time

4. Operational Period

5. Current Situations

6. Critical Issues

7. Accomplishments

8. Resources Assigned

9. Planned Activities (next 24-72 hours)

10. Additional Information

11. Prepared by (IST S/S)

12. Approved by (Incident Commander)



## US&R STRUCTURE / HAZARDS CHECK LIST

1. By:

2. Date:

3. Time

### STRUCTURE DESCRIPTION:

Bldg ID: \_\_\_\_\_

No. Stories: \_\_\_\_\_

No. Basements: \_\_\_\_\_

### TYPE OF COLLAPSE:

Pancake

Soft 1st Floor

Wall Failure

Torsion

Middle Story

Overturn

Other: \_\_\_\_\_

### From a SAFE Distance. CHECK:

- Alignment of Structure's Corners & Faces
- Alignment of Structure's Floors
- Condition of Openings
- Condition of Facing or Projecting Elements
- Presence of Precast Conc Facing or Brick/Stone Veneer
- Presence of other FALLING HAZARDS
- Presence of Rooftop Equipment, Towers, etc
- Presence of Distinctive Elements, Additions, Stairwells
- Any Alternative Energy Source - Generator, Solar Elec
- Presence of Tanks w/ Explosive/Corrosive Material

### Walk around Structure and CHECK:

- Continuity of Vertical Load Path
- Continuity of Lateral Load Path
- Alignment & Condition of all Wall Piers
- Condition of Foundation & Adjacent Ground
- Presence of Flowing Liquids
- I.D. Areas of Structure to be avoided
- I.D. Sections with potential for Brittle Failure
- I.D. Most PROBABLE Collapse Mode
- I.D. All Exterior FALLING HAZARDS
- I.D. All Ingress and Egress Locations

### If you choose to enter the Structure:

- Make sure that at least one other Team Member remains outside and you maintain radio contact
- Notify TFL you are entering structure - Which Side
- Leave Easily Visible Trail as you explore interior \*\*
- Check Each Closed Dorr for heat PRIOR to OPENING
- Inspect Ground Floor Level Before moving Upward
- Check Main Columns and Shear Walls-Cracks, Spalling
- Check Min Beam to Column Connections
- Check Stair wells for Damage and Access
- Check Condition of Floor System
- I.D. All Interior Collapse Hazards
- I.D. All Interior Falling Hazards
- Locate Safe Havans and Escape Routes
- Report all Data to Outside Person before continuing
- Proceed Up/Down Only if Can Maintain Radio Contact
- Proceed to Upper Stories, Check each before Proceeding
- Proceed to Basement and Check Structure & Foundation

### NOTES:

1. \*\* Suggestions for Visable Trail are: Light Sticks, Paint Arrows on floor, Electronic Relay Devices



**US&R STRUCTURE / HAZARDS  
EVALUATION FORM**

1. By:

2. Date:

3. Time

SKETCH:

A large rectangular area filled with a grid of small dots, intended for sketching.





