# Seismic Assessment based on GEM Building Taxonomy v2.0

Project _____

Date _____/_____/_____ (dd/mm/yyyy)

Inspection time

Start (local time) _____ : _____ (hh/mm) Inspection duration _____ (min)

Areas inspected

- ☐ Exterior and interior
- ☐ Exterior only

Completed by _____

Function

- ☐ Structural eng.
- ☐ Building official
- ☐ Architect
- ☐ Student

## General building information

Building name _____ Street name and nb _____

Neighborhood _____ City _____ Zip/Pcode _____

State _____ Country _____

Coordinates Longitude X Latitude Y

## Building information

**OCCUPANCY**

- ☐ Unknown occupancy type
- ☐ **Residential**
- ☐ Residential, unknown type
- ☐ Single dwelling
- ☐ Multi-unit, unknown type
- ☐ 2 Units (duplex)
- ☐ 3-4 Units
- ☐ 5-9 Units
- ☐ 10-19 Units
- ☐ 20-49 Units
- ☐ 50+ Units
- ☐ Temporary lodging
- ☐ Institutional housing
- ☐ Mobile home
- ☐ Informal housing
- ☐ **Commercial and public**
- ☐ Commercial and public, unknown type
- ☐ Retail trade
- ☐ Wholesale trade and storage (warehouse)
- ☐ Offices, professional/technical services
- ☐ Hospital/medical clinic
- ☐ Entertainment
- ☐ Public building
- ☐ Covered parking garage
- ☐ Bus station
- ☐ Railway station
- ☐ Airport
- ☐ Recreation ans leissure
- ☐ **Mixed use**
- ☐ Mixed, unknown type
- ☐ Mostly residential and commercial
- ☐ Mostly commercial and residential
- ☐ Mostly commercial and industrial
- ☐ Mostly residential and industrial
- ☐ Mostly industrial and commercial
- ☐ Mostly industrial and residential
- ☐ **Industrial**
- ☐ Industrial, unknown type
- ☐ Heavy industrial
- ☐ Light industrial
- ☐ **Assembly**
- ☐ Assembly, unknown type
- ☐ Religious gathering
- ☐ Arena
- ☐ Cinema or concert hall
- ☐ Other gatherings
- ☐ **Government**
- ☐ Government, unknown type
- ☐ Government, general services
- ☐ Governement, emergency response
- ☐ **Education**
- ☐ Education, unknown type
- ☐ Pre-school facility
- ☐ School
- ☐ College/university, offices and/or classrooms
- ☐ College/university, research facilities and/or labs
- ☐ Other occupancy type

**DATE OF CONSTRUCTION OR RETROFIT**

- ☐ Year unknown
- ☐ Exact date of construction or retrofit
- ☐ Upper and lower bound for the date of construction or retrofit: between _____ and _____
- ☐ Latest possible date of construction retrofit
- ☐ Approximate date of construction or retrofit

**SHAPE OF THE BUILDING PLAN**

- ☐ Unknown plan shape
- ☐ Square, solid
- ☐ Square, with an opening in plan
- ☐ Rectangular, solid
- ☐ Rectangular, with an opening in plan
- ☐ L-shape
- ☐ Curved, solid (e.g. circular, elliptical ovoid)
- ☐ Curved, with an opening in plan
- ☐ Triangular, solid
- ☐ Triangular, with an opening in plan
- ☐ Polygonal, solid (e.g. trapezoid, pentagon, hexagon)
- ☐ Polygonal, with an opening in plan
- ☐ E-shape
- ☐ H-shape
- ☐ S-shape
- ☐ T-shape
- ☐ U- or C-shape
- ☐ X-shape
- ☐ Y-shape
- ☐ Irregular plan shape
- ☐ Other (please sketch the building shape below)

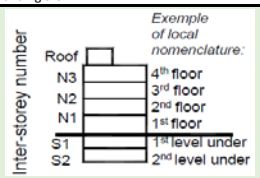
N

**BUILDING POSITION IN A BLOCK**

- ☐ Unknown building position
- ☐ Detached building
- ☐ Adjoining building(s) on one side
- ☐ Adjoining building(s) on two sides
- ☐ Adjoining buildings on three sides
- ☐ Corner building

**BUILDING HEIGHT**

- ☐ Height in meters _____ m
- ☐ Building tilt




**NUMBER OF STORY**

- ☐ Number of storeys unknown

**Number of storeys above ground**

- ☐ Range of number of storeys above ground _____ _____
- ☐ Exact number of storeys above ground _____
- ☐ Approximate number of storeys above ground _____

**Number of storeys below ground**

- ☐ Number of storeys below ground unknow
- ☐ Range of number of storeys below ground _____ _____
- ☐ Exact number of storeys below ground _____
- ☐ Approximate number of storeys below ground _____

**Height of ground floor level above grade**

- ☐ Height of ground floor level above _____
- ☐ Range of height of ground floor level above grade _____
- ☐ Exact height of ground floor level above grade _____
- ☐ Approximate height of ground floor level above grade _____

**Slope of the ground**

- ☐ Slope of the ground unknown
- ☐ Slope of the ground _____

**EXPOSURE AND CONSEQUENCES**

| | |
|---|---|
| Number of Day Occupants | |
| Number of Night Occupants | |
| Number of Transit Occupants | |
| Number of Dwelling | |
| Plan Area (m^2) | |
| Replacement cost (per m^2) | |
| Number of Fatalities | |
| Number of Injured | |
| Number Missing | |

## General building damage

- ☐ Grade1: Negligible to Slight Damage (<10%)
- ☐ Grade 2: Moderate Damage (10-30%)
- ☐ Grade 3: Susbtantial to Heavy Damage (30-60)
- ☐ Grade 4: Very Heavy Damage (60-90%)
- ☐ Grade 5: Destruction (>90%)

**Is there localised damage?**

- ☐ No
- ☐ Yes (if yes please precise floor nb, location)

Floor number:

Location:

**Damage to building of reinforced concrete**

**Grade 1: Negligible to slight damage**
(no structural damage, slight non-structural damage)
Fine cracks in plaster over frame members or in walls at the base.
Fine cracks in partitions and infills.

**Grade 2: Moderate damage**
(slight structural damage, moderate non-structural damage)
Cracks in columns and beams of frames and in structural walls.
Cracks in partition and infill walls; fall of brittle cladding and plaster.
Falling mortar from the joints of wall panels.

**Grade 3: Substantial to heavy damage**
(moderate structural damage, heavy non-structural damage)
Cracks in columns and beam column joints of frames at the base and at joints of coupled walls. Spalling of conrete cover, buckling of reinforced rods. Large cracks in partition and infill walls, failure of individual infill panels.

**Grade 4: Very heavy damage**
(heavy structural damage, very heavy non-structural damage)
Large cracks in structural elements with compression failure of concrete and fracture of rebars; bond failure of beam reinforced bars; tilting of columns.
Collapse of a few columns or of a single upper floor.

**Grade 5: Destruction**
(very heavy structural damage)
Collapse of ground floor or parts (e. g. wings) of buildings.

**Damage to masonry buildings**

**Grade 1: Negligible to slight damage**
(no structural damage, slight non-structural damage)
Hair-line cracks in very few walls. Fall of small pieces of plaster only. Fall of loose stones from upper parts of buildings in very few cases.

**Grade 2: Moderate damage**
(slight structural damage, moderate non-structural damage)
Cracks in many walls. Fall of fairly large pieces of plaster.
Partial collapse of chimneys.

**Grade 3: Substantial to heavy damage**
(moderate structural damage, heavy non-structural damage)
Large and extensive cracks in most walls.
Roof tiles detach. Chimneys fracture at the roof line; failure of individual non-structural elements (partitions, gable walls).

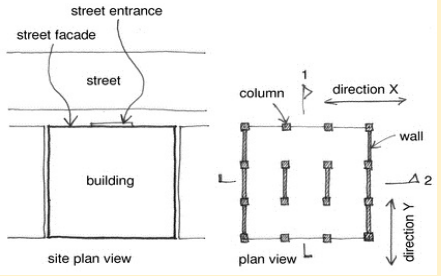
**Grade 4: Very heavy damage**
(heavy structural damage, very heavy non-structural damage)
Serious failure of walls;
partial structural failure of roofs and floors.

**Grade 5: Destruction**
(very heavy structural damage)
Total or near total collapse.

# Structural System

**Direction**

| | |
|---|---|
| Direction X (Longitudinal) | Unspecified direction |
| | Parallel to street |
| Direction Y (Transverse) | Unspecified direction |
| | Perpendicular to street |




**Material**

| L | T | MAT_TYPE Material type | L | T | MAT_TECH Material technology |
|---|---|---|---|---|---|
| | | Unknown material | | | |
| | | Concrete, unknown reinforcement | | | Unknown concrete technology |
| | | Concrete, unreinforced | | | Cast-in place concrete |
| | | Concrete, reinforced | | | Precast concrete |
| | | Concrete, composite with steel section | | | Cast-in-place prestressed concrete |
| | | | | | Precast prestressed concrete |
| | | Steel | | | Steel, unknown |
| | | | | | Cold-formed steel members |
| | | | | | Hot-rolled steel members |
| | | | | | Steel, other |
| | | Metal(except steel) | | | |
| | | Masonry, unknown reinforcement | | | Masonry unit, unknown |
| | | Masonry, unreinforced | | | Adobe blocks |
| | | Masonry, confined | | | Stone, unknown technology |
| | | Masonry, reinforced | | | Dressed stone |
| | | | | | Fired clay unit, unknown type |
| | | | | | Fire clay bricks |
| | | | | | Concrete blocks, unknown type |
| | | | | | Concrete block, solid |
| | | | | | Concrete blocks, hollow |
| | | | | | Masonry unit, other |
| | | Wood | | | |
| | | Material other | | | |

**Lateral-load resisting system**

| L | T | LLRS Lateral-load resisting system |
|---|---|---|
| | | Unknown lateral load-resisting system |
| | | No lateral load-resisting system |
| | | Moment frame |
| | | Infilled frame |
| | | Braced frame |
| | | Post and Beam |
| | | Wall |
| | | Dual frame-wall system |
| | | Flat slab/plate or waffle slab |
| | | Infilled falt slab/plate or infilled waffle slab |
| | | Hybrid lateral load-resisting system |
| | | Other lateral load-resisting system |

**Structural Irregularity**

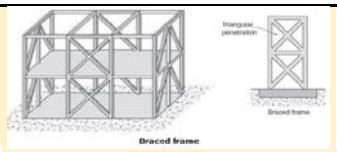
| STR_IRREG Regular or irregular |
|---|
| Unknown structural irregularity |
| Regular structure |
| Irregular structure |

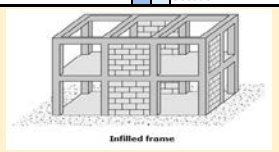
The user can choose a maximum of two vertical and two plan irregularities for a building. However, if a building has two irregularities of the same type (plan/vertical), the user needs to prioritize them by identifying the primary irregularity first and the secondary irregularity next.

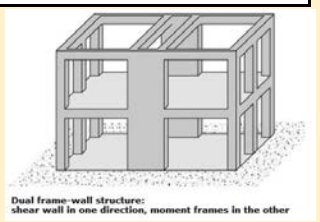
| | P | S | |
|---|---|---|---|
| STR_HZIR_P | | | |
| Plan irregularity-primary | | | No irregularity |
| STR_HZIR_S | | | Torsion eccentricity |
| Plan irregularity-secondary | | | Re-entrant corner |
| | | | Other plan irregularity |
| STR_VEIR_P | | | No irregularity |
| Vertical structural irregularity - primary | | | Soft storey |
| STR_VEIR_S | | | Short column |
| Vertical structural irregularity - secondary | | | Cripple wall |
| | | | Pounding potential |
| | | | Setback |

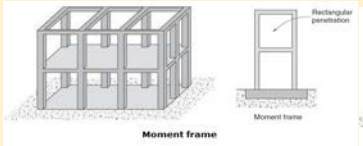
**Structural system (Severity of Damage)**

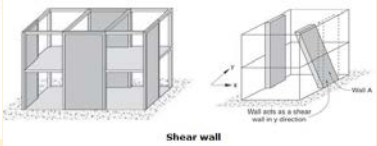
| |
|---|
| Negligible to Slight Damage (<10%) |
| Moderate Damage (10-30%) |
| Susbtantial to Heavy Damage (30-60%) |
| Very Heavy Damage (60-90%) |
| Destruction (>90%) |

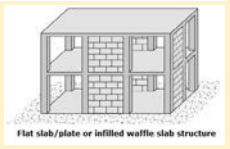



# Exterior Attributes

**Roof**

| ROOF_SHAPE Roof shape |
|---|
| Unknown roof shape |
| Flat |
| Pitched |
| Sawtooth |
| Curved |
| Complex regular |
| Complex irregular |
| Roof shape, other |

**Roof (Severity of Damage)**

| |
|---|
| Negligible to Slight Damage (<10%) |
| Moderate Damage (10-30%) |
| Susbtantial to Heavy Damage (30-60%) |
| Very Heavy Damage (60-90%) |
| Destruction (>90%) |

| ROOFCOVMAT Roof covering |
|---|
| Unknown roof covering |
| Concrete roof without additional covering |
| Heavy roof covering (slate, stone slabclay or concrete tile) |
| Light roof covering (metal tile, shingle, membrane) |
| Vegetative/Earthen roof covering |
| Solar panelled roofs |
| Roof covering, other |

| ROOF_CONN Roof connection |
|---|
| Roof-wall diaphragm connection unknown |
| Roof-wall diaphragm connection not provided |
| Roof-wall diaphragm connection present |
| Roof tie-down not provided |
| Roof tie-down present |

| ROOFSYSTYP Roof system type |
|---|
| Roof material, unknown |
| Concrete roof, unknown |
| Cast-in-place beamless reinforced concrete roof |
| Cast-in-place beam-supported reinforced concrete roof |
| Precast concrete roof with concrete topping |
| Masonry roof, unknown |
| Composite masonry and concrete roof system |
| Metal roof, unknown |
| Metal beams or trusses supporting light roofing |
| Metal roof beams supporting precast concrete slabs |
| Composite steel roof deck and concrete slab |
| Wooden roof |
| Fabric roof |
| Roof material, other |

**Exterior walls/Façade**

| |
|---|
| Unknown material of exterior walls |
| Concrete exterior walls |
| Concrete and masonry |
| Masonry exterior walls |
| Steel and masonry |
| Glass exterior walls |
| Metal exterior walls |
| Vegetative exterior walls |
| Wooden exterior walls |
| Plastic/vinyl exterior walls, various |
| Cerment-based boards for exterior walls |
| Other |

**Exterior walls (Severity of Damage)**

| |
|---|
| Negligible to Slight Damage (<10%) |
| Moderate Damage (10-30%) |
| Susbtantial to Heavy Damage (30-60%) |
| Very Heavy Damage (60-90%) |
| Destruction (>90%) |

| FLOOR_MAT Floor system material |
|---|
| No elevated or suspended floor material (single-storey building) |
| Floor, material, unknown |
| Concrete floor, unknown |
| Cast-in-place beamless reinforced concrete floor |
| Cast-in-place beam-supported reinforced concret floor |
| Precast concrete floor with reinforced concrete topping |
| Precast concrete floor without reinforced concrte topping |
| Masonry floor, unknown |
| Metal floor, unknown |
| Metal beams, trusses, or joists supporting light flooring |
| Metal floor beams supporting precast concrete slabs |
| Composite steel deck and concrete slab |
| Composite cast-in-place RC and masonry floor system |
| Wooden floor, unknown |
| Floor material, other |

| FLOOR_CONN Floor connections |
|---|
| Floor-wall diahpragm connection unknown |
| Floor-wall diaphragm connection not provided |
| Floor-wall diaphragm connection present |

**Foundation system**

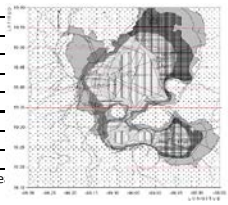
| FOUNDN_SYS |
|---|
| Unknown foundation system |
| Shallow foundation, with lateral capacity |
| Shallow foundation, no lateral capacity |
| Deep foundation, with lateral capacity |
| Deep foundation, no lateral capacity |
| Foundation, other |

**Soil type**

| |
|---|
| Very soft clay |
| Silt or clay |
| Granular loose |
| Granular compact |
| Rock |

**Zone Mexican codes**

| |
|---|
| Firm soil (Zone I) |
| Transition (Zone II) |
| Soft-soil (Zone IIIa, b, c or d) (ple |



## Non-structural elements

### NON-STRUCTURAL WALL/ PARAPETS

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Cast in place concrete | Parapet cracking |
| Hollow concrete block | Parapet crushing |
| Solid concrete block | Parapet locally falling out |
| Hollow fired clay block | Parapet collapsed |
| Solid brick | Non-structural wall cracking |
| **Sesimic performance features** | Non-structural wall crushing |
| No reinforcement | Non-structural wall locally falling out |
| Steel reinforcement | Non-structural wall collapsed |

Total cost to repair this component $

### EXTERIOR WINDOWS/GLAZING

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Wood frame | Cracking |
| Steel frame | Frame distortion |
| Aluminium frame | Fall out |
| Other: | Other: |

Total cost to repair this component $

### STAIRS

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Prefabricated steel | Non structural damage, local steel yielding |
| Precast concrete | Local concrete cracking, localized concrete spalling |
| Cast-in-place concrete | Localized steel yielding |
| Other: | Buckling of steel, weld cracking |
| **Sesimic performance features** | Extensive concrete cracking, concrete crushing |
| Particular connection detailling | Extensive concrete cracking, concrete crushing, buckling of rebar |
| | Loss of live load capacity. Connection and or weld fracture |
| | Loss of live load capacity. Extensive concrete crushing, connection failure |
| | Loss of live load capacity |

Total cost to repair this component $

### WALL PARTITION

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Gypsum with metal stud | Non structural damage, local steel yielding |
| Gypsum with wood studs | Local concrete cracking, localized concrete spalling |
| Gypsum + Wallpaper | Localized steel yielding |
| Gypsum + Ceramic Tile | Buckling of steel, weld cracking. |
| **Sesimic performance features** | Extensive concrete cracking, concrete crushing |
| Fixed above | Extensive concrete cracking, concrete crushing, buckling of rebar |
| Lateral braced above | Loss of live load capacity. Connection and or weld fracture |
| Fixed below | Loss of live load capacity. Extensive concrete crushing, connection failure |
| | Loss of live load capacity |

Total cost to repair this component $

### DOORS

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Wood | Cracking |
| Metal | Crushing |
| | Frame distortion |

Total cost to repair this component $

### SUSPENDED CEILINGS

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Type | Type of damage |
|---|---|
| Vertical support only | 5 % of ceiling grid and tile damage |
| Vertical and Lateral support | 30% of ceiling grid and tile damage |
| **Sesimic performance features** | 50% of ceiling grid and tile damage |
| Braced | Dropped acoustical tile |
| Unbraced | Perimeter damage |
| | Separation of runners |

Total cost to repair this component $

### NON-SUSPENDED CEILINGS

| Does the building have this component? | | Repair price |
|---|---|---|
| | No | |
| | Yes (if yes, please fill the following information) | |

| Material | Type of damage |
|---|---|
| Plasterboard | Cracking |
| Drywall | Local spalling |
| Other: | Collapse |
| | Other: |

Total cost to repair this component $

## FLOOR FINISHES

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| ☐ Stone | ☐ Failling from building | |
| ☐ Tile | ☐ Damaged panels and conncetions | |
| ☐ Glass | ☐ Crush | |
| ☐ Other | ☐ Other: | |
| | Total cost to repair this component | $ |

## ELEVATORS

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| ☐ Traction geared | ☐ Controller anchorage failed, and or machine anchorage failed, and or motor generator anchorage failed, and or governor anchorage failed, and or rope guard failures. | |
| | ☐ Rail distortion, and or intermediate bracket separate and spread, and or counterweight bracket break or bend, and or car bracket break or bend, and or car guide shoes damaged, and or counterweight guide shoes damaged, and or counterweight frame distortion, and or tail sheave dislodged and/or twisted | |
| | ☐ Cab stabilizers bent, or cab walls damaged, or cab doors damaged. | |
| | ☐ Cab ceiling damaged. | |
| ☐ Hydraulic | ☐ Damaged controls. | |
| | ☐ Damaged vane and hoist-way switches, and or bent cab stabilizers, and or damaged car guide shoes. | |
| | ☐ Damaged entrance and car door, and or flooring damage. | |
| | ☐ Oil leak in hydraulic line, and or hydraulic tank failure. | |
| | Total cost to repair this component | $ |

## PIPING

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| ☐ Plastic | ☐ Minor leakage at flange connections | |
| ☐ Cupper | ☐ Pipe Break | |
| ☐ Steel | ☐ Other: | |
| ☐ Aluminium | | |
| ☐ Cast iron | | |
| ☐ Other: | | |
| **Sesimic performance features** | | |
| ☐ Braced | | |
| ☐ Unbraced | | |
| | Total cost to repair this component | $ |

## FIRE PROTECTION

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| ☐ Wet pipe | ☐ Spraying & Dripping Leakage at joints | |
| ☐ Dry pipe | ☐ Joints Break - Major Leakage | |
| | ☐ Other: | |
| | Total cost to repair this component | $ |

## HEATING SYSTEMS

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| ☐ Unit heater | ☐ Sliding | |
| ☐ Boiler | ☐ Overturning. Broken/bent bolts | |
| ☐ Other: | ☐ Broken gas and exhaust lines | |
| **Sesimic performance features** | ☐ Loss of function | |
| ☐ Unachored | ☐ Other: | |
| ☐ Anchored | Total cost to repair this component | $ |

## COOLING SYSTEMS

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| ☐ Packaged chiller | ☐ Sliding | |
| ☐ Rofftop air cond. | ☐ Overturning. Broken/bent bolts | |
| ☐ Other: | ☐ Leaking refrigerant | |
| **Sesimic performance features** | ☐ Loss of function | |
| ☐ Unachored | ☐ Other: | |
| ☐ Anchored | Total cost to repair this component | $ |

## DUCTS

| Does the building have this component? | ☐ No<br>☐ Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| ☐ Plastic | ☐ Sliding | |
| ☐ Steel | ☐ Overturning | |
| ☐ Other: | ☐ Other: | |
| **Sesimic performance features** | | |
| ☐ Unachored | | |
| ☐ Anchored | Total cost to repair this component | $ |

**LIGHTING**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| Incandescent | Disassembly of rod system at connections with horizontal light fixture, low cycle fatigue failure of the threaded rod, pullout of rods from ceiling assembly. | |
| Neon | Loss of function | |
| Other: | Other: | |
| **Sesimic performance features** | | |
| Non seismic | | |
| Seismically rated | Total cost to repair this component $ | |

**POWER GENERATORS**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| Diesel generator | Damaged, inoperative. Pipes and nozzles damaged. | |
| Petrol generator | Anchorage failure. | |
| Other; | Damaged, inoperative but anchorage is OK. Pipes and nozzles damaged. | |
| **Sesimic performance features** | Damaged, inoperative. Drive shaft misalignment. | |
| Unachored | Anchorage failure & Equipment damaged beyond repair. | |
| Anchored | Damaged, inoperative. Minor electrical damage, e.g., failed relay. | |
| | Damaged, Inoperative but anchorage is OK | |
| | Damaged, inoperative. Exhaust line disconnected at expansion bellows. | |
| | Damaged, inoperative. Exhaust line disconnected at expansion bellows. | |
| | Equipment is damaged and inoperative but anchorage is OK. | |
| | Other: | |
| | Total cost to repair this component $ | |

**TANKS**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| Plastic | Pipe break | |
| Metal | Tank or vessel rupture | |
| Other: | Other: | |
| **Sesimic performance features** | | |
| Unachored | | |
| Anchored | Total cost to repair this component $ | |

**FIXED FURNISHINGS**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| Fixed artwork | Only sliding, no damage | |
| Fixed casework | Cracks and crushing. Minor damage. | |
| Other: | Damaged, loss of function | |
| **Sesimic performance features** | Other: | |
| | | |
| | Total cost to repair this component $ | |

**BOOKCASE**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Material** | **Type of damage** | |
| Wood | Bookcase slides. Some content fall over. No damage to the bookcase | |
| Metal | Book case falls over and contents are scattered. Likely damage to bookcase. | |
| Other | Other: | |
| **Sesimic performance features** | | |
| Unachored laterally | | |
| Anchored laterally | Total cost to repair this component $ | |

**FILING CABINET**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| Wood | Sliding. Some content fall over. No damage to the bookcase | |
| Metal | Filing cabinet falls over and contents are scattered. Likely damage to file cabinet. | |
| Other: | Other: | |
| **Sesimic performance features** | | |
| Unachored | | |
| Anchored | Total cost to repair this component $ | |

**DESK**

| Does the building have this component? | No / Yes (if yes, please fill the following information) | Repair price |
|---|---|---|
| **Type** | **Type of damage** | |
| Wood | Sliding. Some content fall over. No damage to the bookcase | |
| Metal | Filing cabinet falls over and contents are scattered. Likely damage to file cabinet. | |
| Other: | Other: | |
| **Sesimic performance features** | | |
| Unachored | | |
| Anchored | Total cost to repair this component $ | |

**DESKTOP COMPUTER UNITS**

| Does the building have this component? | | No<br>Yes (if yes, please fill the following information) | Repair price |
|---|---|---|---|
| **Type** | | **Type of damage** | |
| Fixed artwork | | Only sliding, no damage | |
| Fixed casework | | Cracks and crushing. Minor damage. | |
| Other: | | Damaged, loss of function | |
| **Sesimic performance features** | | Other: | |
| | | | |
| | | Total cost to repair this component | $ |

**TV SETS**

| Does the building have this component? | | No<br>Yes (if yes, please fill the following information) | Repair price |
|---|---|---|---|
| **Type** | | **Type of damage** | |
| Cathodic panel display | | Only sliding, no damage | |
| Flat panel display | | Cracks and crushing. Minor damage. | |
| Other: | | Damaged, loss of function | |
| **Sesimic performance features** | | Other: | |
| Unachored | | | |
| Anchored | | Total cost to repair this component | $ |

**Building owner contact information:**

**Name of contractors/sucbcontractors involved in the repairs:**

## Building sketch


**Pictures (please indicate the name of the first and last picture taken for this building)**