

# GEM Building Taxonomy Report

## Precast Parking

Prevosti

Picture not available

### Taxonomy string:

DX+PF /CR+PC /LN /DY+OF /CR+PC /LN /YEX:1988 /HEX:2+HBEX:0+HFEX:10.5+HD:0 /COM+COM7 /BPD /PLFR /IRRE /EWME /RSH1+RMN+RC+RC4+RTDN /FC+FC3+FWCN /FOSN

### Material type (direction 1):

Concrete, reinforced

### Material technology (direction 1):

Precast concrete

### Material properties (direction 1):

### Material technology (additional, direction 1):

### Lateral load-resisting system (direction 1):

No lateral load-resisting system

### System ductility (direction 1):

### Material type (direction 2):

Concrete, reinforced

### Material technology (direction 2):

Precast concrete

### Material properties (direction 2):

### Material technology (additional, direction 2):

### Lateral load-resisting system (direction 2):

No lateral load-resisting system

### System ductility (direction 2):

### Foundations:

Shallow foundation, with no lateral capacity

### Plan shape:

Rectangular, solid

### Type of Irregularity:

Regular structure

### Building position within a block:

Detached building

### Plan structural irregularity - primary:

### Vertical structural irregularity - primary:

### Plan structural irregularity - secondary:

### Vertical structural irregularity - secondary:

### Roof shape:

Flat

### Roof covering:

Concrete roof, no covering

### Roof system material:

Concrete

### Roof system type:

Precast concrete roof without RC topping

### Roof connections:

Roof tie-down not provided

### Floor system material:

Concrete

### Floor system type:

Precast concrete floor with RC topping

### Floor connections:

Floor-wall diaphragm connection not provided

### Exterior walls material:

Metal

### Date of construction:

Exact date of construction or retrofit 1988

### Number of storeys above the ground:

Exact number of storeys 2

### Number of storeys below the ground:

Exact number of storeys 0

### Height of the grade above ground floor:

Exact height above grade 10.5

### Slope of the ground (for buildings on slopes):

Slope of the ground 0

### Occupancy type - general:

Commercial and public

### Occupancy type - detail:

Covered parking garage

### Country:

Italy

### Region (province, state, etc.):

Lombardy

### Summary:

A precast industrial building that has to be refitted to become a parking and to be seismic resistant