



CITY OF MILPITAS

Office of Building Safety
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NONSTRUCTURAL COMPONENTS REQUIRING SEISMIC ANCHORAGE OR RESTRAINING

Policy:**BDP-BLG10**

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Proposed by:

OC

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Reviewed/
Revised by:

JDS

Approved By:

Building Official

**Nonstructural Components which need to be
Seismically Restrained or Anchored, which may require Structural Calculations.**

- 1) All equipment weighing more than 400. (ASCE 7-16 sec. 13.1.4 #6)
- 2) All equipment having a center of mass located more than 4ft above the adjacent floor or roof level. (ASCE 7-16 sec. 13.1.4)
- 3) Permanent floor-supported cabinets, cases, counters, non-fixed and moveable fixtures, and book stacks more than 5'-9" in height. (2022 CBC sec. 105.2)
- 4) Ceiling hung mechanical & electrical components weighing more than 20 pounds or distribution system weighing more than 5 lb/ft. (ASCE 7-16 sec. 13.1.4)
- 5) Partitions more than 5'-9" in height. (ASCE 7-16 sec. 13.5.8.1)
- 6) Storage racks over 5'-9" in height. (2022 CBC sec. 105.2)
Design calculations and details are required for both rack structure and its anchorage for storage racks over 8' tall. (ANSI MH16.1: 2012 sec. 2.6.1)
- 7) Regardless of weight and height all process equipment containing hazardous materials including process piping and mechanical equipment associated with it, such as hoods, exhaust fans, etc. (2022 CBC sec. 1613.1 and ASCE 7-16 sec. 13.1)