



RETAINING WALLS

Community Development Department

Building Division

1600 First St., PO Box 650

Napa, CA 94559-0660

The purpose of this document is to clarify when a building permit is required for a retaining wall

Definitions:

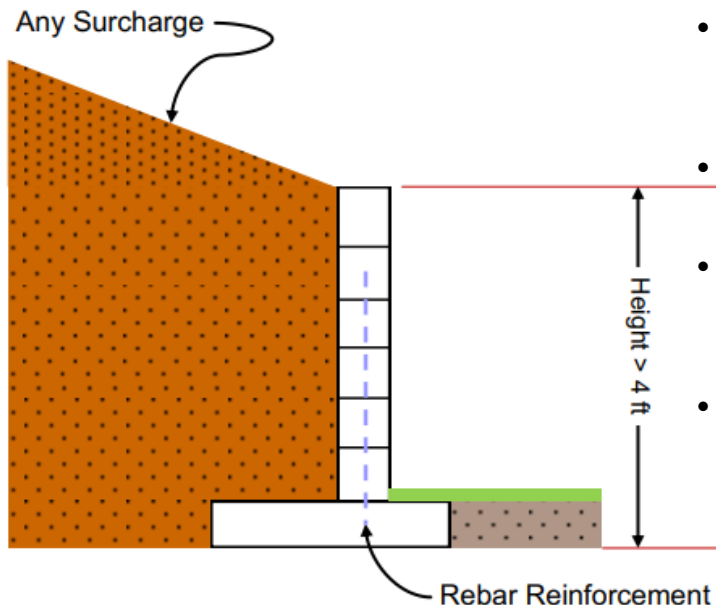
Retaining Wall: A wall designed to resist earth and/or fluid pressure, including any surcharge in accordance with acceptable engineering practices

Surcharge: the vertical load imposed on retained soil that may impose a lateral force in addition to lateral earth pressure of retained soil. For example: sloping retained soil; structure footings supported by the retained soil; adjacent vehicle loads supported by retained soil

Retaining Wall Height: the vertical distance measured from the bottom of the footing to the top of the wall. This is the height reflected in CRC Sec. R105.2 item 3 as well as CBC Sec. R105.2 item 4 and it includes the depth of the footing below grade.

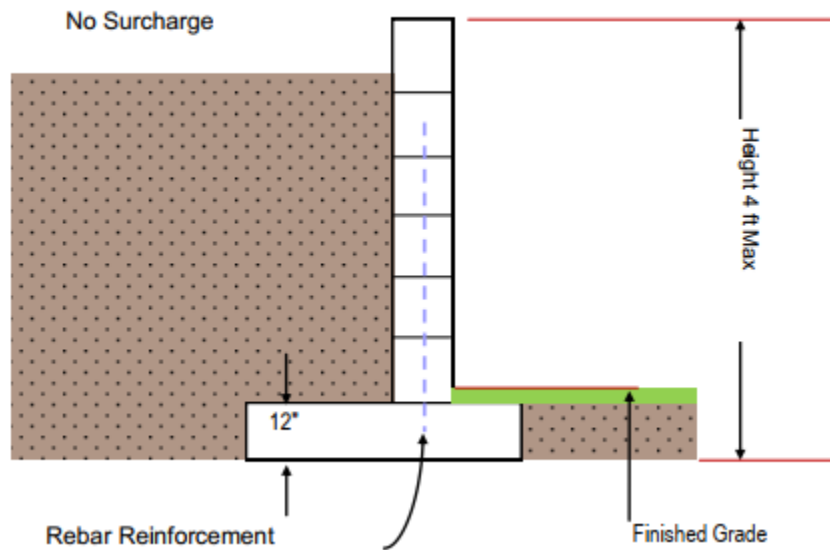
Exposed Wall Height: the vertical distance measured from the finish grade at the bottom of the wall (i.e. lower soil grade) to the foundation grade at the top of the wall (i.e. upper soil grade). The height does not include the wall depth of footing below grade.

WHEN IS A PERMIT REQUIRED?



- Total wall height is greater than 4 feet measured from the bottom of the footing to the top of the retaining wall.
- Any back slope adjacent to the retaining wall.
- Surcharge load conditions exist as defined (buildings, roads, vehicle loads or sloped conditions).
- Solid fences are attached (or directly adjacent) to the proposed retaining wall.

WHEN IS A PERMIT NOT REQUIRED?



A construction permit is NOT required for retaining walls which:

- Are constructed of reinforced concrete or reinforced masonry and do not retain more than 36" of earth (exposed wall height).
- Are constructed of precast block wall systems that are installed as per manufacturer's listing and instructions which do not retain more than 36" of earth (exposed wall height).
- Are constructed of decay resistant material or treated wood and do not retain more than 24" of earth
- Do not impound Class I, II or III liquids
- Do not support surcharge loads as defined (building roads and terraced or tiered slopes).