



City of Santa Clara
 Building Division
 1500 Warburton Ave.
 Santa Clara, CA 95050
 www.santaclaraca.gov

Building Division: 408-615-2440
 Email: Building@santaclaraca.gov
 Permit Center: 408-615-2420
 Email: PermitCenter@santaclaraca.gov
 Automated Inspection Scheduling System: 408-615-2400

**2019 CALIFORNIA BUILDING CODE - SECTION 11B-406
 GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS**

❖ **General Requirements:**

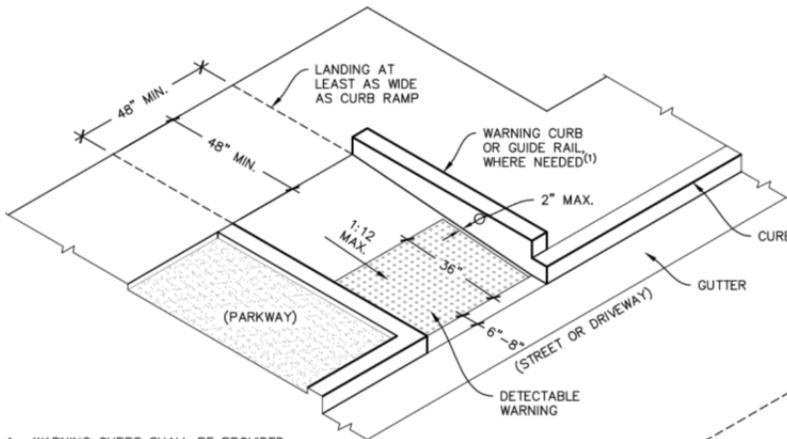
Curb ramps, blended transitions and islands on accessible routes shall comply with Section 11B-406.

- a. **Locations:** Curb ramps and the flare sides of curb ramps shall not project into vehicular traffic lanes, parking spaces or parking access aisles. Curb ramps at marked crossings shall be wholly contained within the markings, excluding any flared sides.
- b. **Clear width:** 48" min
- c. **Surface Slope:** does not exceed 1:12 gradient (8.33%).
- d. **Cross Slope:** does not exceed 1:48 gradient (2.1%)
- e. **Detectable Warning:** provide truncated domes that extend 36" min. in the direction of travel for the full width of the curb ramp. (CBC 11B-705.1.2.2)

❖ **Perpendicular Curb Ramps:** (CBC 11B-406.2)

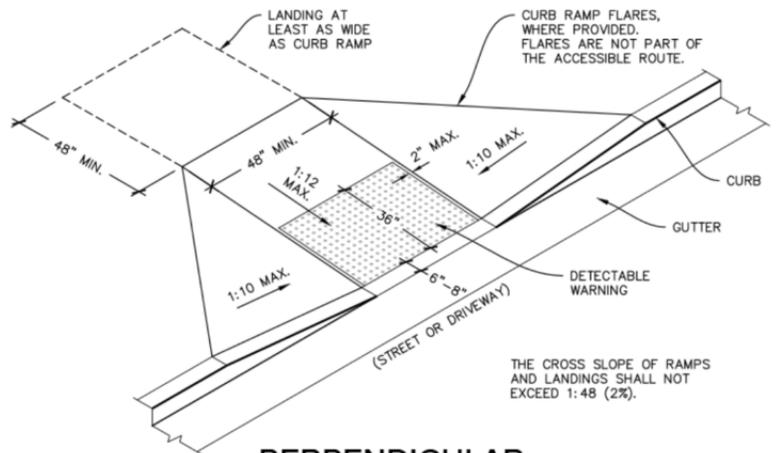
- a. **Side of curb ramps:** slope of curb ramp flares shall not exceed 1:10 gradient (10%)
- b. **Landings:** provide at top of curb ramp. Length shall be 48" minimum and the width shall be at least as wide as the curb ramp

CURB-CUT RAMP



- 1. WARNING CURBS SHALL BE PROVIDED WHERE THE CHANGE IN ELEVATION EXCEEDS 4". WARNING CURBS ARE NOT REQUIRED ADJACENT TO STREETS OR DRIVEWAYS.
- 2. THE CROSS SLOPE OF RAMPS AND LANDINGS SHALL NOT EXCEED 1:48 (2%).

PERPENDICULAR CURB RAMP
 (WITHOUT FLARED SIDES)



PERPENDICULAR CURB RAMP
 (WITH FLARED SIDES)

THE CROSS SLOPE OF RAMPS AND LANDINGS SHALL NOT EXCEED 1:48 (2%).



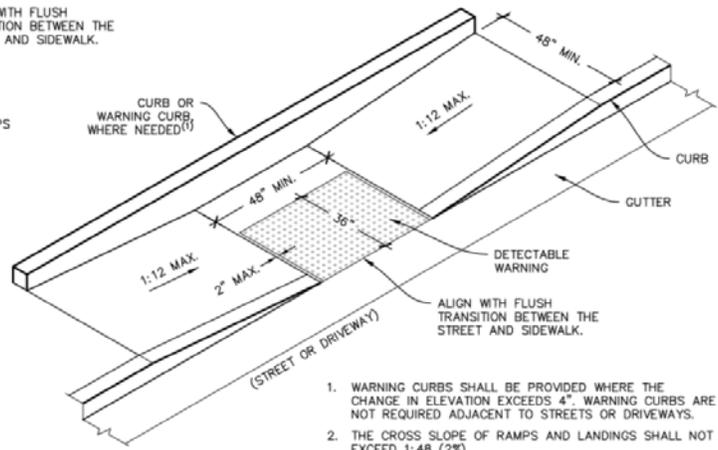
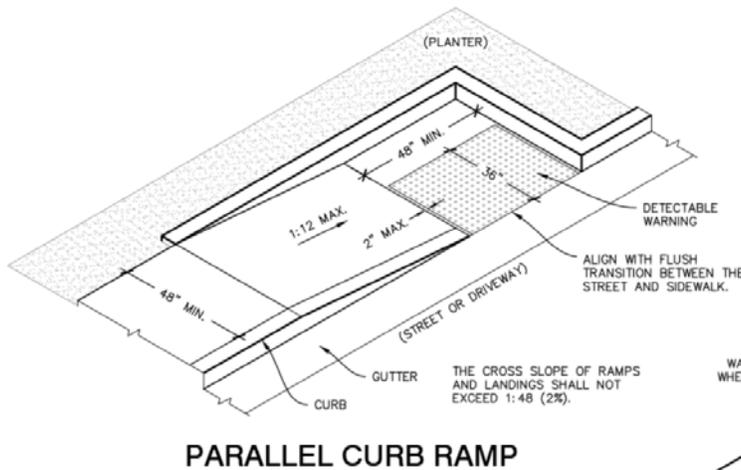
City of Santa Clara
 Building Division
 1500 Warburton Ave.
 Santa Clara, CA 95050
 www.santaclaraca.gov

Building Division: 408-615-2440
 Email: Building@santaclaraca.gov
 Permit Center: 408-615-2420
 Email: PermitCenter@santaclaraca.gov
 Automated Inspection Scheduling System: 408-615-2400

**2019 CALIFORNIA BUILDING CODE - SECTION 11B-406
 GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS**

❖ **Parallel Curb Ramps:** (CBC 11B-406.3)

a. **Turning space:** 48" x 48" minimum level space shall be provided at the bottom of the curb ramp

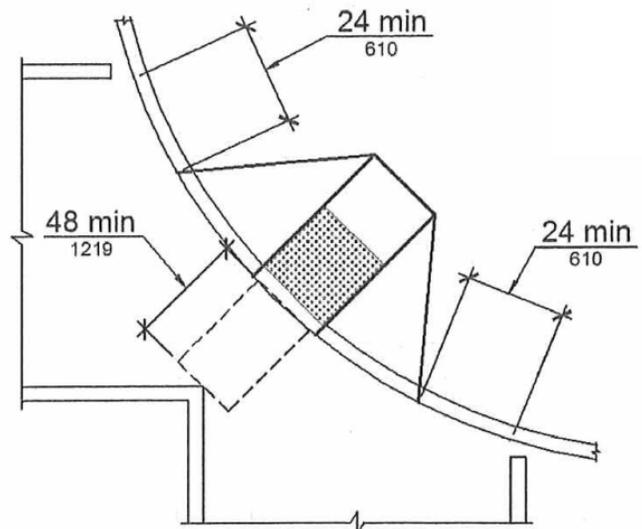


1. WARNING CURBS SHALL BE PROVIDED WHERE THE CHANGE IN ELEVATION EXCEEDS 4". WARNING CURBS ARE NOT REQUIRED ADJACENT TO STREETS OR DRIVEWAYS.
2. THE CROSS SLOPE OF RAMPS AND LANDINGS SHALL NOT EXCEED 1:48 (2%).

PARALLEL CURB RAMP

❖ **Diagonal curb ramps:** (CBC 11B-406.5.9 & 11B-406.5.10)

- Clear space:** The bottom of diagonal curb ramps shall have a clear space 48" minimum outside the active lane of the roadway. Diagonal curb ramps at marked crossings shall provide 48" minimum clear space within the markings.
- Flare side:** Diagonal curb ramps with flare sides shall have a segment of curb 24" long minimum located on each side of the curb ramp and within marked crossings.



**FIGURE 11B-406.5.10
 DIAGONAL OR CORNER TYPE CURB RAMPS**



City of Santa Clara
 Building Division
 1500 Warburton Ave.
 Santa Clara, CA 95050
 www.santaclaraca.gov

Building Division: 408-615-2440
Email: Building@santaclaraca.gov
Permit Center: 408-615-2420
Email: PermitCenter@santaclaraca.gov
 Automated Inspection Scheduling System: 408-615-2400

**2019 CALIFORNIA BUILDING CODE - SECTION 11B-406
 GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS**

❖ **Islands:** (CBC 11B-406.6)

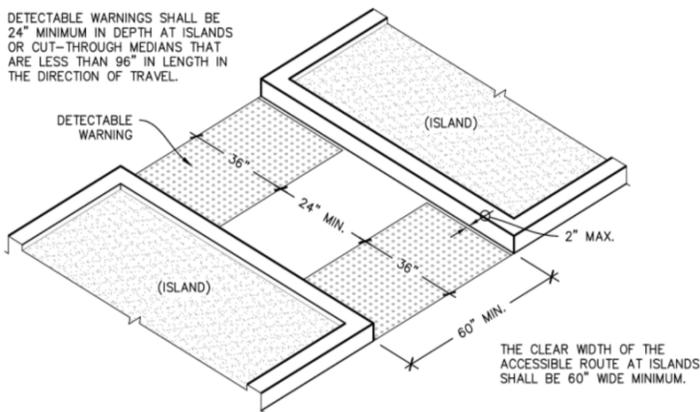
Raised islands in crossings shall be cut through level with the street if it has curb ramps at both sides.

Width: 60" minimum clear width of the accessible route at islands.

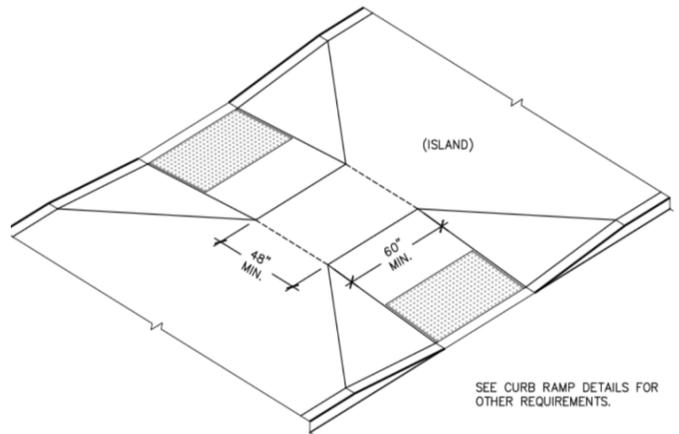
Curb ramps: Where curb ramps are provided, they shall comply with Section 11B-406.

Detectable warning: Island shall have detectable warnings complying with Section 11B-705.

DETECTABLE WARNINGS SHALL BE 24" MINIMUM IN DEPTH AT ISLANDS OR CUT-THROUGH MEDIANS THAT ARE LESS THAN 96" IN LENGTH IN THE DIRECTION OF TRAVEL.



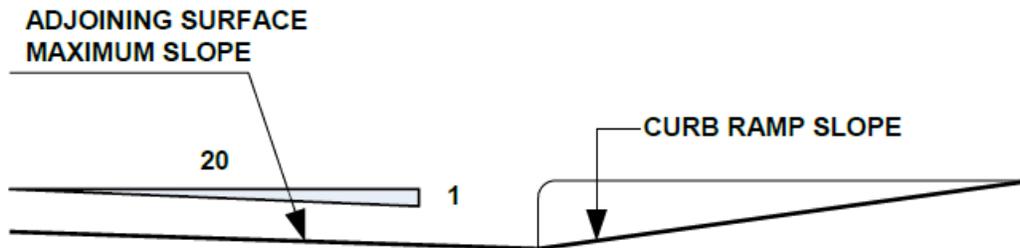
ISLAND CUT THROUGH



ISLAND CURB RAMPS

❖ **Counter Slope:**

Counter slope of adjoining gutters and road surfaces immediately adjacent to and within 24 inches (610 mm) of the curb ramp shall not be steeper than 1:20. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level. **11B-406.5.8**



**FIGURE 11B-406.5.8
 COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS**



City of Santa Clara
 Building Division
 1500 Warburton Ave.
 Santa Clara, CA 95050
 www.santaclaraca.gov

Building Division: 408-615-2440
Email: Building@santaclaraca.gov
Permit Center: 408-615-2420
Email: PermitCenter@santaclaraca.gov
 Automated Inspection Scheduling System: 408-615-2400

2019 CALIFORNIA BUILDING CODE - SECTION 11B-406 GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS

❖ **Detectable Warnings:** (CBC 11B-247.1 & 11B-705)

Detectable warnings shall consist of a surface of truncated domes.

Dome size and spacing: See Figure 11B-705.1

Contrast: A detectable warning surface shall contrast visually with the adjacent walking surface.

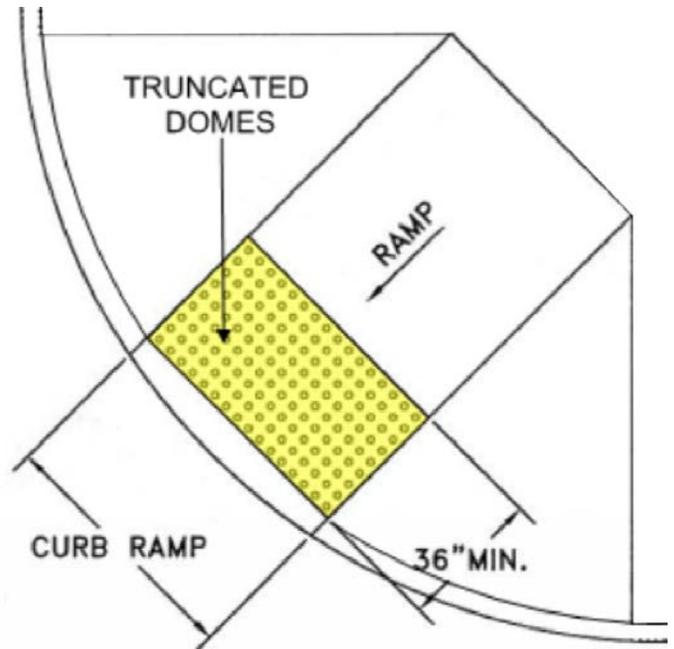
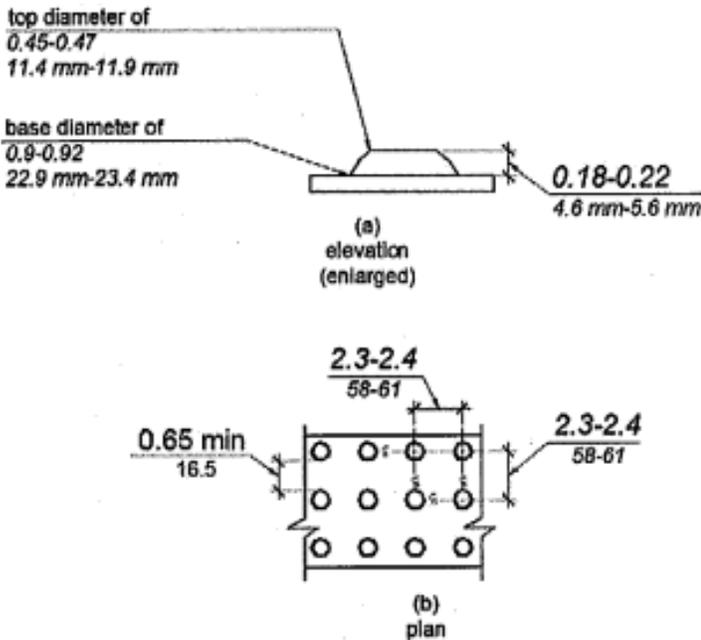
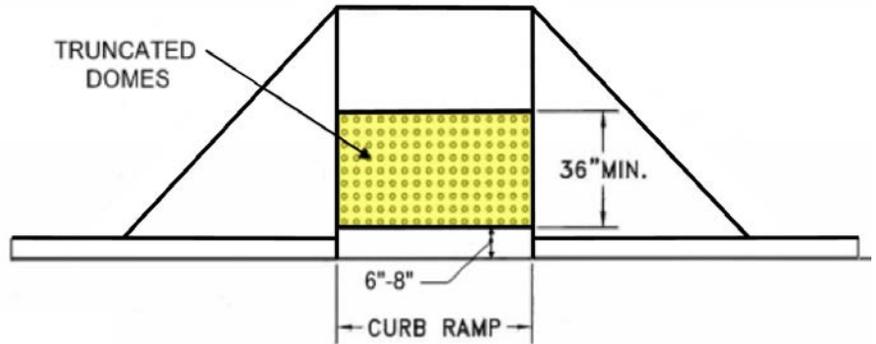
Color: Yellow conforming to FS 33538 of Federal Standard 595C at hazardous vehicular area.

Exception: Detectable warning at curb ramps, islands or cut-through medians may be Yellow or 70% minimum visual contrast with adjacent walking surface

Size: Provide truncated domes to extend 36" minimum in the direction of travel for the full width of the curb ramp or cut through median.

Location: 6"-8" from outside face of curb at curb ramp.

Exception: On parallel curb ramps, detectable warning shall be placed on the turning space at the flush transition between the street and sidewalk.



**FIGURE 11B-705.1
SIZE AND SPACING OF TRUNCATED DOMES**