GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS
2013 CBC SECTION 11B-406

❖ 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.

b. 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. Grooved border: 12" wide along the top and at outside edges of the flare side

c. 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

LEVEL & CLEAR AREA NOT TO EXCEED 2.1% CROSS SLOPE IN ANY DIRECTION

GROOVED BORDER MUST BE ON THE LEVEL SURFACE AT THE TOP OF THE RAMP

DETECTABLE WARNING SURFACE (TRUNCATED DOME) IS REQUIRED ON SHADED PORTION OF RAMP

BUILT-UP CURB RAMP

NOTE: CROSS SLOPE OF LANDING AREA DOES NOT EXCEED 2.1% IN ANY DIRECTION

CURB-CUT RAMP

X = 48" Minimum
GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS
2013 CBC SECTION 11B-406

 **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
  b. **Grooved border:** 12” wide along the level surface at the top of the ramp

 **Diagonal curb ramps:** (CBC 11B-406.5.9 & 11B-406.5.10)
  a. **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.
  b. **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.
GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS
2013 CBC SECTION 11B-406

- **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.

![Diagram of islands in crossings and truncated domes](image_url)
GENERAL REQUIREMENTS FOR CURB RAMPS & ISLANDS
2013 CBC SECTION 11B-406

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
Exception: Detectable warning at curb ramps, islands or cut-through medians shall not be required to be yellow
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.