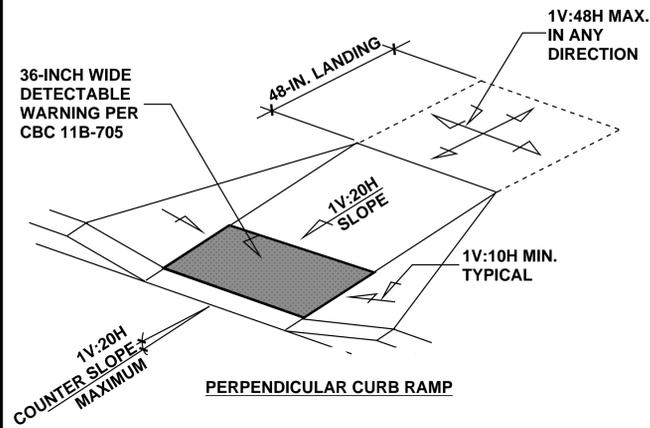


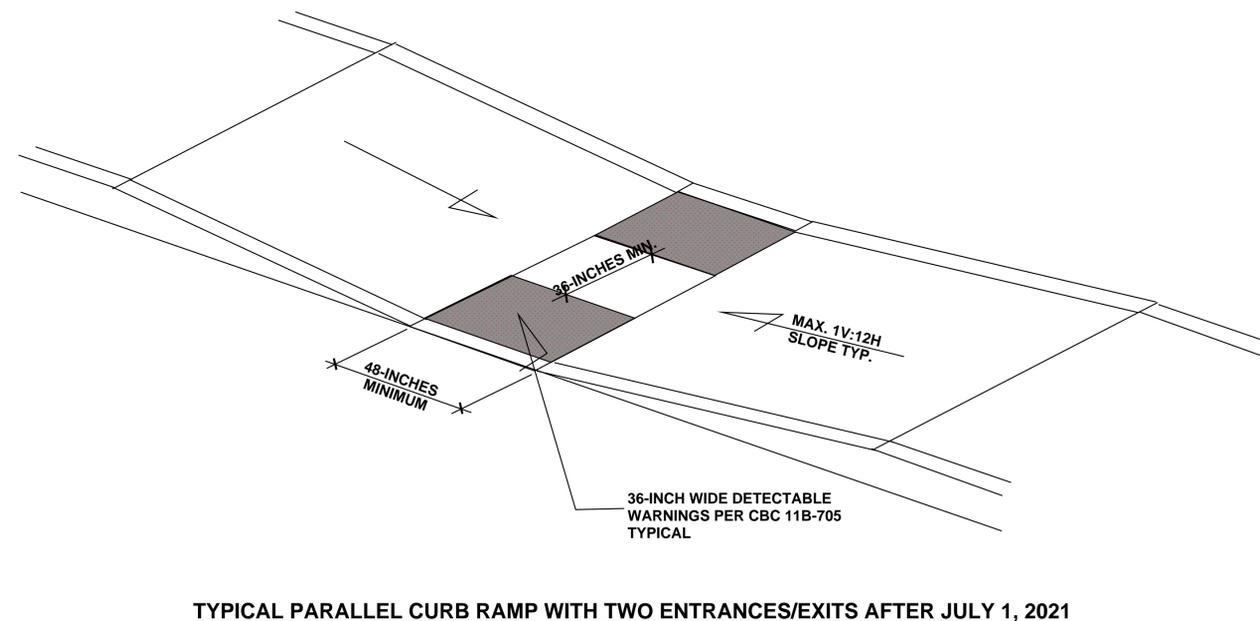
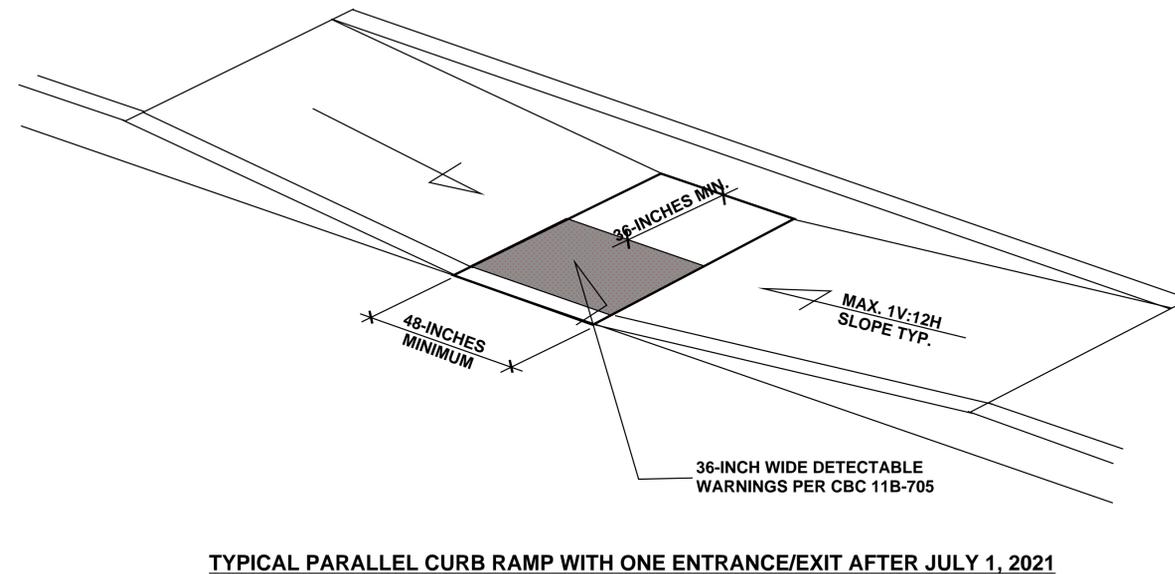
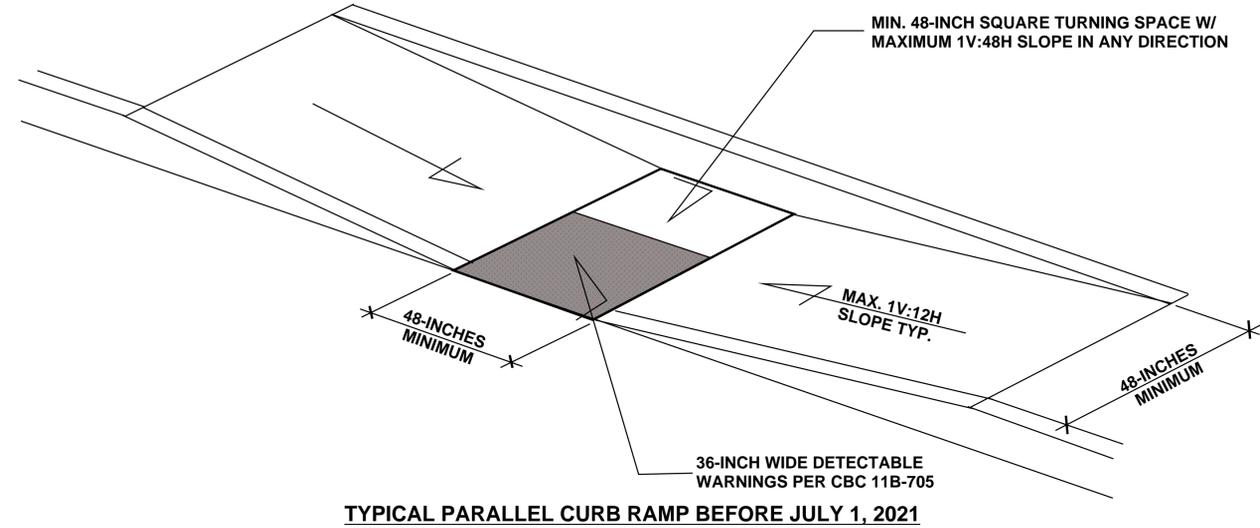
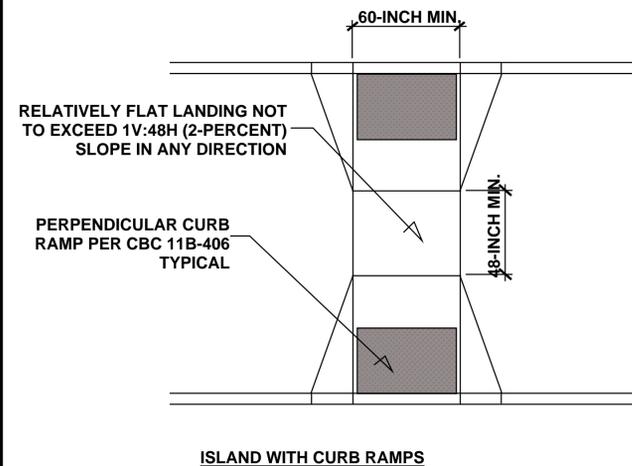
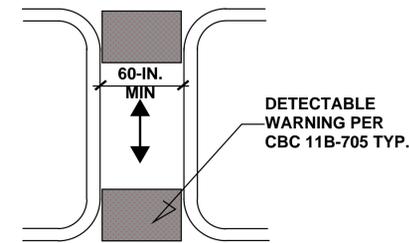
7. **Detectable Warnings.**

- 7a. **General Requirement.** Provide detectable warnings on compliance with CBC 11B-705.1.1 at perpendicular curb ramps and 11B-705.1.2 for parallel curb ramps.
- 7b. **Size.** Except where technically infeasible, detectable warnings shall be at least 36-inches in the direction of travel and as wide as the ramp run, minus not more than 2-inches on each side to allow for installation tolerance.
- 7c. **Location.** Except as permitted for the existing parallel curb ramps the detectable warnings of perpendicular and parallel curb ramps shall be placed a minimum of 6-inches and maximum of 8-inches from the line that demarcates the curb face. The location of the detectable warnings in existing parallel curb ramps may align with the line that demarcates the curb face.
- 7d. **Parallel Curb Ramps with One Entrance/Exit** [CBC 11B-705.1.2.2.1 (July 1, 2021)]. Except where technically infeasible or for existing parallel curb ramps, parallel curb ramps shall be shown with a minimum 36-wide portion of the turning space without detectable warnings as well as the 36-inch wide detectable warnings in the direction of travel that is to be placed 6-inches minimum to 8-inches maximum from the line that demarcates the curb face. Where technically infeasible, the detectable warnings may be as narrow as 24-inches. Existing parallel curb ramps with detectable warnings in compliance with the code requirements in effect at the time of installation shall not be required to provide minimum 36-inch wide portion of the turning space without detectable warnings.
- 7e. **Parallel Curb Ramps with Two Entrances/Exits** [CBC 11B-705.1.2.2.2 (July 1, 2021)]. Except where technically infeasible or for existing parallel curb ramps, parallel curb ramps shall be shown with a minimum 36-wide portion of the turning space without detectable warnings as well as the 36-inch wide detectable warnings at each end of the turning space in the direction of travel that are to be placed 6-inches minimum to 8-inches maximum from the line that demarcates the curb face. Where technically infeasible, the detectable warnings may be as narrow as 24-inches. Existing parallel curb ramps with detectable warnings in compliance with the code requirements in effect at the time of installation shall not be required to provide minimum 36-inch wide portion of the turning space without detectable warnings.
- 7f. **Islands or Cut-Through Medians** [CBC 11B-705.1.2.3]. Detectable warnings shall be provided at the ends of the path through islands and cut-through medians that is at least 36-inches in the direction of travel and that extends the full width less 2-inches on each end. The detectable warnings shall be separated by a minimum 24-inch wide walking surface without detectable warnings. Where it is technically infeasible to have a minimum 96-inch wide island or cut-through median, the detectable warnings may be not less than 24-inches wide in the direction of travel.
- 7g. **Blended Transitions** [CBC 11B-705.1.2.5]. Minimum 36-inch detectable warnings in the direction of travel shall be provided for the full width of blended transitions.



**E. Curb Ramps [CBC 11B-406]**

- Ramp Slopes** [CBC 11B-406.2.1, 11B-406.3.1 and 11B-406.5.8]. Ramp runs shall not be shown steeper than 1v:12h (8.33-percent) and cross-slopes shall not be shown steeper than 1v:48h (2-percent).
- Width of Ramps** [CBC 11B-406.5.2]. The clear width of curb ramp runs (excluding any flares) shall be at least 48-inches wide. For ramps within new parking facilities for initial permits submitted after July 1<sup>st</sup>, 2021, for parallel curb ramps, account for a required 36-inch wide portion of the walkway that is without detectable warnings as well as for the 36-inch wide detectable warning(s).
- Landings** [CBC 11B-406.5.3]. A minimum 48-inch deep landing that is as wide as the ramp run shall be provided at the top of each curb ramp that is at least as wide as the ramp run. The slope of the landing shall be a maximum of 1v:48h (2-percent)
- Flared Sides of Perpendicular Curb Ramps** [CBC 11B-406.2.2]. The slope of the flared sides of perpendicular curb ramps shall not be greater than 1v:10h (10-percent)
- Parallel Curb Ramps** [CBC 406.3 (July 1, 2021)].
  - Sloping Segments.** Parallel curb ramps may be provided with one sloping segment or two opposing sloping segments.
  - Turning Space** [CBC 406.3.2]. Provide a minimum 48-inch square turning space at the bottom of parallel curb ramps that do not have a slope greater than 1v:48h (2-percent) in any direction.
- Islands / Cut-Through Medians** [CBC 406.6]. Raised islands in crossings shall be cut through level with the street or shall have curb ramps in compliance with CBC 11B-406 with a minimum 48-inch deep landing at the top of curb ramps at both sides of the accessible route. The clear width of the accessible route shall be at least 60-inches.



**CURB RAMPS ISLAND / CUT-THROUGH MEDIANS & BLENDED TRANSITIONS**

DATE