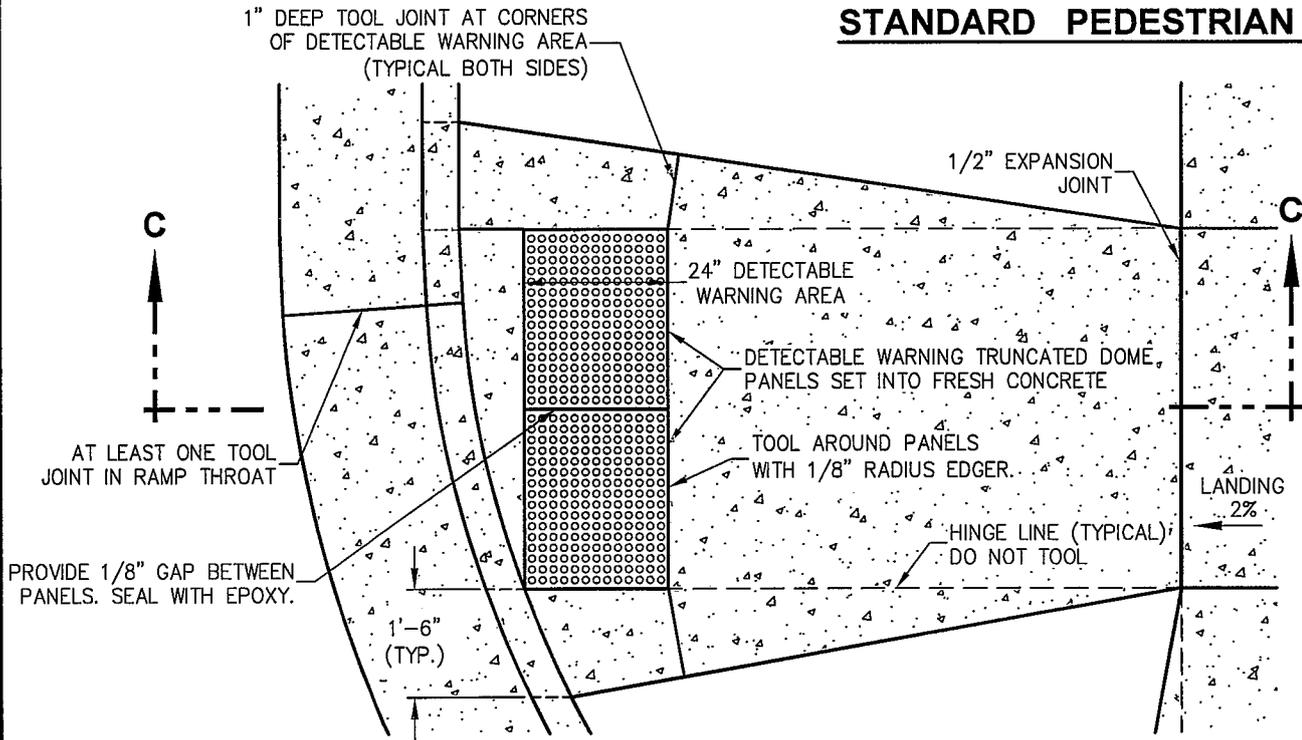
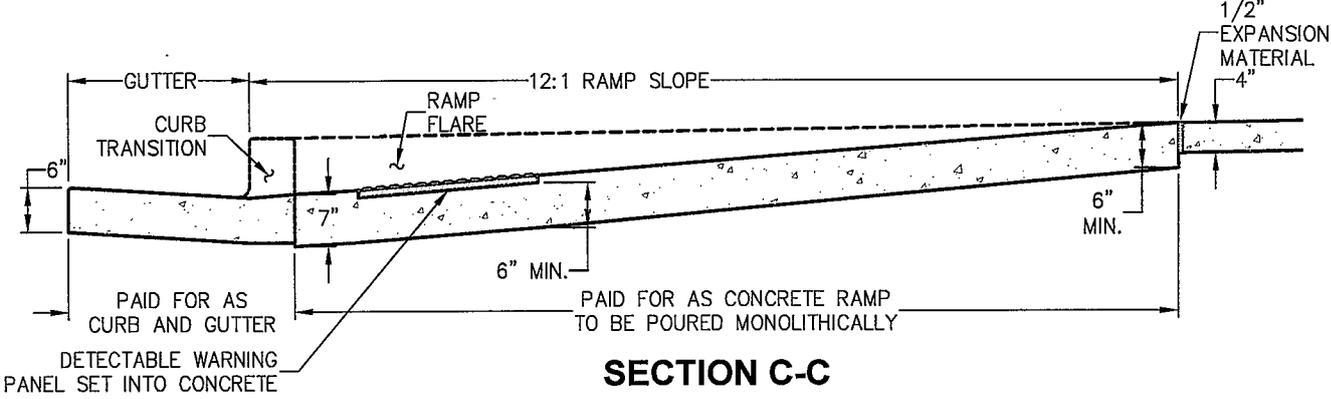


STANDARD PEDESTRIAN RAMP



RAMP WITH DETECTABLE WARNING PANELS



NOTES

1. Detectable warning panels, 24" x 24" or 24" x 30" in size, shall be prefabricated reddish integrally colored concrete with truncated domes and comply with ADA requirements. Only full panels shall be used to obtain specified ramp throat width, (i.e. two 24" panels for a 4' ramp, two 30" panels for a 5' ramp, etc.)
2. Prior to start of work, Contractor shall submit, to City Engineering for approval, a sample panel and documentation from the manufacturer. Panel surface shall have a minimum of 70% light reflectivity contrast with the adjoining surface.
3. Panels shall be placed as shown, with dome pattern in a square grid and aligned in the direction of travel. A steel template shall be used to ensure proper alignment and uniform grade.
4. Remove the proper amount of concrete within the template for an accurate installation. Once to the proper depth, float the area to receive the panels until a smooth paste has developed.
5. Wet the back side of each panel and trowel some concrete paste over the wet surface for better adherence.
6. Set the first panel on the freshly prepared surface. Do not press down hard on the panel, but preferably twist from side to side. Set panel with rubber mallet to proper depth so that the base of the truncated dome is at the same elevation as the adjoining ramp surface.
7. Set successive panels with a tight butt joint against the previously set panel. Provide a 1/8" gap between panels.
8. Float fresh concrete around panels. Finish and broom surrounding concrete as specified. Clean any concrete off panels with a sponge.
9. Provide 1" deep tool joints at corners of detectable warning area, and tool around panels with 1/8" radius edger.
10. When cut panels are required, cut sections shall not significantly impact overall truncated domes pattern and cut domes shall be beveled at a 45-degree angle to create a smooth transition.
11. Any panels that are damaged during transport or installation will be rejected and shall not be installed.
12. Clean out 1/8" joint(s) between panels and seal with epoxy.



**PEDESTRIAN RAMP DETAILS
FOR DETECTABLE PANELS**

Approved By: *Larry R. Reynolds* City Engineer

Drawn By: J.NIRG Date: Jan., 2005 STD. D-8C