

C.15 (2531) PEDESTRIAN CURB RAMPS

This work consists of constructing pedestrian curb ramps with truncated dome systems (detectable warning surfaces) in compliance with the Americans With Disabilities Act Accessibility Guidelines (ADAAG). This work shall be in accordance with the applicable Mn/DOT Standard Specifications, as detailed in the plan, and the following:

C.15.1 The Contractor has the option to use either granite panels or stamped concrete. New products will be placed on the approved products list as soon as they are approved.

The approved products list for truncated dome systems is available at:
<http://www.mrr.dot.state.mn.us/materials/materials.asp>.

C.15.2 All truncated dome systems shall be installed in strict accordance with the recommendations of the manufacturer. The installation protocol shall include details regarding product specific construction requirements and how the system will be sealed to mitigate freeze/thaw damage through moisture intrusion. The Contractor shall provide this information to the Engineer for approval two weeks prior to commencement of work.

C15.3 The entire truncated dome area (2 Ft. x 4 Ft. typically) shall contrast visually from the adjacent walking surfaces. The entire truncated dome area shall be a light color (white or yellow) when the adjacent sidewalk is a dark color. The entire truncated dome area shall be a dark color (red, black, dark gray, or bright yellow) when the adjacent sidewalk is a “white” or light gray cement color. The engineer shall determine the colors when the pavement is dry (everything looks dark when it rains). Other colors may also provide a dark on light or light on dark contrast and may be used with approval of the Engineer.

C.15.4 Granite panels shall be 2" thick nominal and not have any cracks, chips, or color deformations. A sanded textured finish for the granite panels is required.

C.15.5 All products manufactured with stamped concrete shall have homogeneous coloring integrated throughout the thickness of the product. A color placed only on the surface of the concrete is not allowed. Curing compounds that discolor the concrete shall not be used; however, other approved methods of curing shall be used.

Stamped concrete shall meet all requirements and specifications associated with 3A36 concrete mix. Compliance with this mix designation shall include approval of any color additive. The Engineer shall determine compliance with the requirements for color contrast. Extra care shall be taken with stamped concrete systems to ensure dimensional compliance of the domes after the stamping form is removed.

C.15.6 At the time of construction, all truncated dome systems are specified to be in dimensional and alignment compliance with the requirements of the ADAAG as detailed in the plan.

C.15.7 No measurement will be made of the number of pedestrian curb ramps installed as specified in the ADAAG. All work necessary to the installation of the truncated dome systems shall be paid for as concrete walk.