

NOTES

Specifications for Tactile Walking Surface Indicators  
*City of Mississauga Detail Sheets*

- 2240.033 - Signalized Intersection Configurations of Pedestrian Crossings
- 2240.034 - Controlled Non Signalized Intersection Configurations of Pedestrian Crossings
- 2240.035 - Tactile Walking Surface Indicator and Depressed Curb Detail
- 2240.036 - Tactile Walking Surface Indicator and Curb Ramp Detail
- 2240.037 - Location of Dropped Curbs at Controlled Intersections

*Canadian Standards Association*

CSA B651-2012 Accessible Design for the Built Environment

*American Society of Testing and Materials*

- ASTM A 48 Standard Specification for Grey Iron Castings
- ASTM C 1028 Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other like Surfaces by the Horizontal Dynamometer Pull-Meter Method
- ASTM C 501-84 Standard Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abraser

*Ontario Provincial Legislation*

O.Reg. 191/11 Accessibility for Ontarians with Disabilities Act, 2005

MATERIALS

*Tactile Walking Surface Indicators*

Tactile walking surface indicators shall be according to drawing 2240.036 and Standard number TBD and be made of cast iron, according to CSA B651-2012 with the following amendment: minimum 52.39 millimeter centre to centre spacing of domes and follows Ontario Regulation 191/11, and meets the following requirements:

Standard	Property	Minimum Result
ASTM A 8	Tensile Strength	Class 30 B
ASTM C 1028	Slip Resistance	Dry 0.8 min, Wet 0.8 min
ASTM C 501-84	Wear Resistance	Wear Index: >15

The truncated domes shall be of uniform size and shape. Units shall be uniform in texture, be free from pouring faults, sponginess, cracks, blowholes, and other defects, and have clean-cut and well-defined edges. All surfaces shall be bare, without any coating, and be uniform and free of flaking rust or mounts of rust or debris.

CONSTRUCTION

*Ramps*

Sidewalk accessibility ramps shall be in according to 2240.033, 2240.034, 2240.035, 2240.036, and 2240.037 with tactile walking surface indicators and shall be incorporated at every location with a pedestrian crossing or as specified on the Contract Drawings.

*Installation of Tactile Walking Indicators*

Tactile walking surface indicators shall be set and pressed into wet concrete to final elevation according to manufacturer's recommendations. Remove any wet concrete that may spill onto tactile walking surface indicator surface. Radius plates to be used as required to follow curb radius. Straight Plates will be allowed on Radii upon approval by the City of Mississauga representative.



**TACTILE WALKING SURFACE  
INDICATOR-NOTES**

EFF. DATE	DEC 2015	SCALE	N.T.S.
REV.		STANDARD No.	2240.038