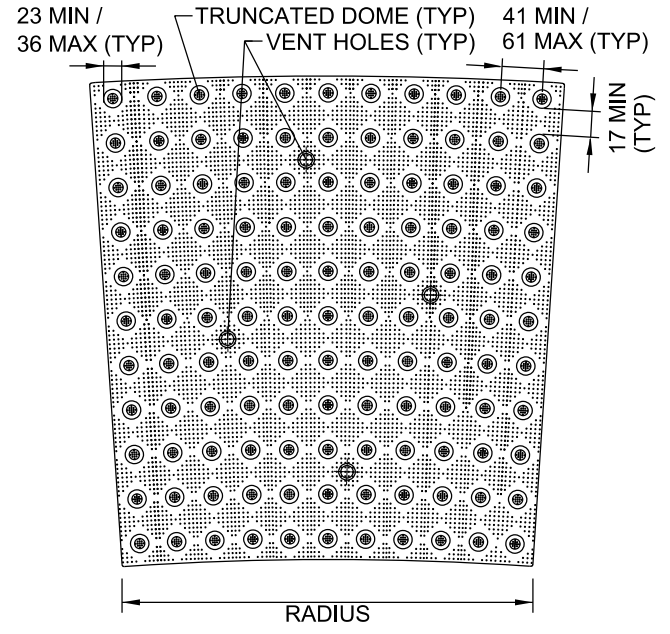
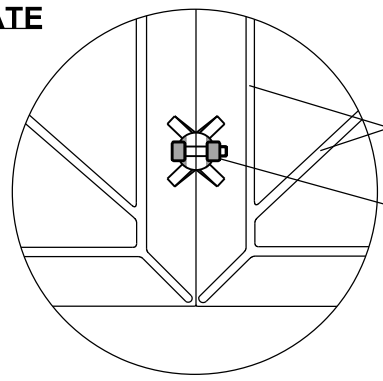


**QUICK CONNECT PLATE**



**RADIUS PLATE**



**BOLTED PLATE DETAIL**

**NOTES**

1. THIS DRAWING MUST BE USED IN CONJUNCTION WITH STANDARD DRAWING 5-2-16A, 5-2-16C AND 5-2-16D
2. PLATES SHALL BE CAST GRAY IRON CONFORMING TO ASTM A-48 CLASS 35B MINIMUM OR EQUIVALENT. PLATES SHALL BE BARE AND NOT COATED WITH PAINT OR OTHER COATING MATERIALS. CAST IRON MATERIAL SHALL HAVE MINIMUM TENSILE STRENGTH OF 232MPa AND BRINELL HARDNESS OF 207BHN
3. THE SURFACE OF EACH CAST IRON PLATE ON BOTH THE TOPS OF THE TRUNCATED DOMES AND THE FIELD BETWEEN THE TRUNCATED DOMES SHALL HAVE A MINIMUM WET AND DRY MEASURED STATIC COEFFICIENT OF FRICTION OF 0.9 WHEN TESTED IN ACCORDANCE WITH ASTM C-1028
4. THE INITIALS OR TRADEMARK OF THE MANUFACTURER, DATE OF MANUFACTURE, AND COUNTRY OF MANUFACTURE SHALL BE DISTINCTLY CAST AND LEGIBLE IN RAISED LETTERS ON THE TOP SIDE OF EACH PLATE
5. TRUNCATED DOMES IN SURFACE SHALL HAVE A BASE DIAMETER OF 23MM MINIMUM AND 36MM MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM, TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM
6. TRUNCATED DOMES IN SURFACE SHALL HAVE A HEIGHT OF 5.1MM
7. TRUNCATED DOMES IN SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 41MM MINIMUM AND 61MM MAXIMUM, AND A BASE-TO-BASE SPACING OF 17MM MINIMUM
8. TACTILE WALKING SURFACE INDICATORS SHALL HAVE RIBS CAST TO THE UNDERSIDE OF THE UNIT. VENT HOLES SHALL BE PROVIDED WITHIN EACH PLATE. A MINIMUM PLATE THICKNESS SHALL BE 8MM
9. DETECTABLE WARNING SURFACES AT EDGES SHALL BE 610MM WIDE AND SHALL EXTEND THE FULL WIDTH OF THE CROSSWALK
10. PLATES SHALL BE COMPLETE WITH LOCK LUGS AND SLOTS FOR INTERCONNECTING TO ADJACENT PLATES. IF THE PLATES ARE RADIUS PLATES, THEY SHALL BE INSTALLED WITH HOT DIPPED GALVANIZED BOLTS AS PER MANUFACTURERS INSTRUCTIONS
11. RADIUS PLATES OR A COMBINATION OF STRAIGHT AND RADIUS PLATES SHALL BE USED AS REQUIRED TO FOLLOW CURB RADIUS. STRAIGHT PLATES SHALL NOT BE USED EXCLUSIVELY ON RADIUS
12. PLATES SHALL BE SET AND PRESSED INTO WET CONCRETE TO FINAL POSITION AND ELEVATION. ANY WET CONCRETE SPILLED MATERIALS SHALL BE REMOVED FROM SURFACES

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



**PUBLIC WORKS  
STANDARD DRAWING**

REV. DATE: MARCH 2017

APPROVED BY

DRAWN BY

G.K./S.L.

G.K.

**TACTILE WALKING SURFACE INDICATOR**

STD. DWG. NUMBER

SCALE

**5-2-16B**

N.T.S.