

CURB RAMP TYPES WIDE SIDEWALK OR SIDEWALK OR SIDEWALK WITH NON-WALKING SURFACE BUFFER AREA FLARED SIDE FLARED SIDE (CONCRETE OR BUFFER AREA MATERIAL)

PERPENDICULAR CURB RAMP (SEE DETAILED DRAWING NUMBER 608-25 FOR ADDITIONAL DETAILS)

GENERAL NOTES:

- ①USE CURB RAMPS IN THE FOLLOWING ORDER OF PREFERENCE:
 - A. PERPENDICULAR CURB RAMP.
 - B. COMBINED (PARALLEL/PERPENDICULAR) CURB RAMP.
 - C. PARALLEL CURB RAMP.

EXISTING CONDITIONS SUCH AS R/W, SIDEWALK WIDTH, AND TYPE OF SIDEWALK (CURB-TIGHT OR BUFFER AREA) USUALLY DETERMINE THE TYPE OF CURB RAMPS TO USE.

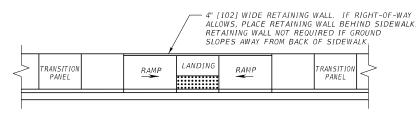
A SINGLE CURB RAMP OR BLENDED TRANSITION CORNERS SERVING TWO STREET CROSSING DIRECTIONS ARE NOT ALLOWED IN NEW CONSTRUCTION AND NOT RECOMMENDED WHEN ALTERING EXISTING FACILITIES.

- ② WHEN ALTERING EXISTING FACILITIES, MEET NEW CONSTRUCTION REQUIREMENTS FOR CURB RAMPS TO THE MAXIMUM EXTENT FEASIBLE. DOCUMENT WITH AN ADA STATEMENT OF TECHNICAL INFEASIBILITY FORM WHEN ADA STANDARDS CAN'T BE ACHIEVED.
- ③ IF POSSIBLE, DO NOT PLACE DRAINAGE STRUCTURES IN CONFLICT WITH CURB RAMPS. LOCATION OF CURB RAMPS TAKES PRECEDENCE OVER LOCATION OF DRAINAGE STRUCTURES EXCEPT WHERE EXISTING DRAINAGE STRUCTURES ARE BEING UTILIZED. IF A DRAINAGE STRUCTURE MUST BE PLACED IN THE PEDESTRIAN ACCESS ROUTE, AN ADA COMPLIANT GRATE, HAVING SLOT OPENINGS 1/2" [13] OR LESS IN ONE DIRECTION, MUST BE USED.

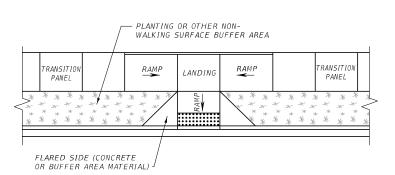
- ④ USE THE FLATTEST SLOPES POSSIBLE (5% MIN.) FOR ALL CURB RAMPS. MAXIMUM CONSTRUCTED RAMP SLOPES OF 8.3% ARE SHOWN FOR GUIDANCE AT DIFFICULT SITES.
- (5) FINAL FIELD LOCATION OF THE CURB RAMPS WILL BE DETERMINED BY THE PROJECT MANAGER.
- 6 PEDESTRIAN ACCESS POINTS AT CROSSWALKS ARE TO BE WHOLLY CONTAINED WITHIN THE CROSSWALK LINES.
- FOR ADDITIONAL INFORMATION CONSULT: DRAFT PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG)

CONSTRUCTION REQUIREMENTS:

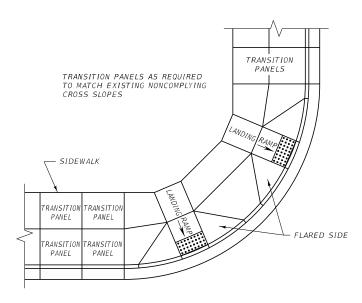
- ① OBTAIN A SURFACE TEXTURE ON THE RAMP BY COARSE BROOMING, TRANSVERSE TO THE RAMP SLOPE.
- ② TAKE CARE DURING CONSTRUCTION TO ASSURE UNIFORM RAMP GRADES, FREE OF SAGS AND SHARP GRADE CHANGES.



PARALLEL CURB RAMP (SEE DETAILED DRAWING NUMBER 608-30 FOR ADDITIONAL DETAILS)



COMBINED (PARALLEL/PERPENDICULAR) CURB RAMP (SEE DETAILED DRAWING NUMBERS 608-25 AND 608-30 FOR ADDITIONAL DETAILS)



PERPENDICULAR CURB RAMP USED ON LARGE RADII CORNER WITH WIDE SIDEWALK (SEE DETAILED DRAWING NUMBER 608-35 FOR ADDITIONAL DETAILS)

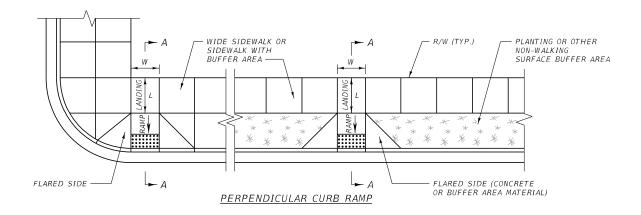
UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

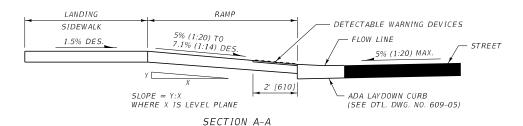
DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 608 DWG. NO. 608-15

NEW CONSTRUCTION CURB RAMPS



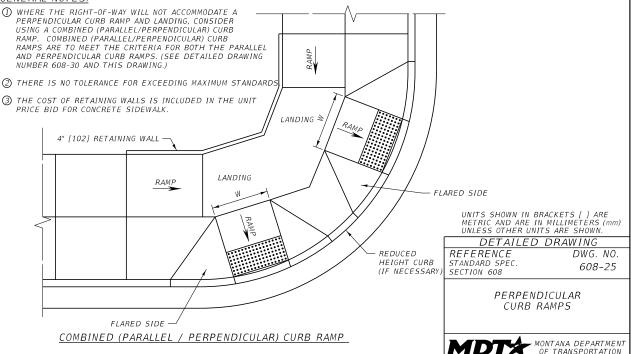


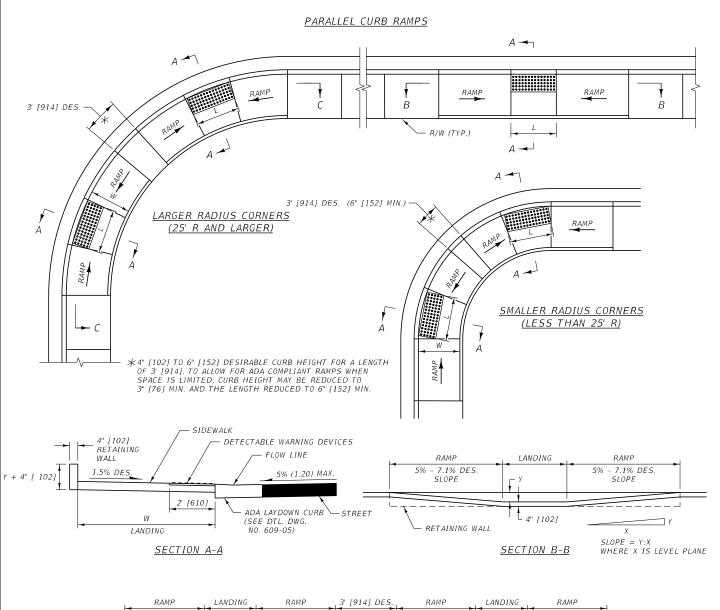


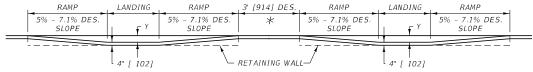
CONSTRUCTION REQUIREMENTS:

- ① THE DESIRABLE WIDTH OF THE CURB RAMP (DIMENSION "W" ABOVE) IS 5 FEET [1524] OR WIDER. THE MINIMUM WIDTH ("W") IS 4 FEET [1219].
- ② THE DESIRABLE LENGTH OF THE LANDING AT THE TOP OF THE CURB RAMP (DIMENSION "L" ABOVE) IS 5 FEET [1524]. THE MINIMUM LENGTH "L" IS 4 FEET [1220]. IF THE LANDING IS CONSTRAINED AT THE BACK OF SIDEWALK, THE MINIMUM LENGTH "L" IS 5 FEET [1524]. THE LANDING WIDTH IS EQUAL TO THE RAMP WIDTH.
- ③ THE DESIRABLE RUNNING SLOPE FOR THE CURB RAMP IS BETWEEN 5% (1:20) AND 7.1% (1:14). THE MAXIMUM CONSTRUCTED CURB RAMP SLOPE IS 8.3% (1:12).
- THE DESIRABLE SLOPE FOR THE FLARED SIDE OF THE CURB RAMP IS 8.3% (1:12) OR FLATTER. THE MAXIMUM CONSTRUCTED FLARED SIDE SLOPE IS 10% (1:10).
- (3) THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7) OR LESS. THE MAXIMUM CONSTRUCTED CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
- 6 THE RUNNING SLOPE OF THE SIDEWALK IS EQUAL TO THE STREET GRADE OR FLATTER.
- PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2 FEET [610] OF EACH RAMP AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.
- WHERE EXISTING SITE DEVELOPMENT CONDITIONS PROHIBIT THE STRICT AND FULL COMPLIANCE OF ALL ADA CRITERIA, PROVIDE ACCESSIBILITY TO THE MAXIMUM EXTENT FEASIBLE. DOCUMENT WITH AN ADA STATEMENT OF TECHNICAL INFEASIBILITY FORM WHEN ADA STANDARDS CAN'T BE ACHIEVED.

GENERAL NOTES:







SECTION C-C

CONSTRUCTION REQUIREMENTS

NOTE: WHEREVER POSSIBLE, ALTER EXISTING FACILITIES TO COMPLY WITH THE NEW CONSTRUCTION REQUIREMENTS.

- ① THE DESIRABLE LENGTH OF THE LANDING (DIMENSION "L" ABOVE) IS 5 FEET [1524]. THE MINIMUM LANDING LENGTH IS 4 FEET [1219].
- ② THE DESIRABLE WIDTH OF THE LANDING (DIMENSION "W" ABOVE) IS 5 FEET [1524]. THE MINIMUM LANDING WIDTH IS 4 FEET [1219]. IF THE LANDING IS CONSTRAINED ON ONE OR MORE SIDES, THE MINIMUM WIDTH IS 5 FEET [1524].
- 3 THE DESIRABLE SLOPE FOR THE CURB RAMPS IS 5% (1:20) TO 7.1% (1:14). THE MAXIMUM CONSTRUCTED CURB RAMP SLOPE IS 8.3% (1:12).
- (4) THE DESIRABLE CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 1.5% (1:66.7) OR LESS. THE MAXIMUM CONSTRUCTED CROSS SLOPE OF THE SIDEWALK, RAMP, OR LANDING IS 2% (1:50).
- ⑤ PROVIDE DETECTABLE WARNING DEVICES AT THE BACK OF CURB ON EACH LANDING AS SHOWN ABOVE. SEE DETAILED DRAWING NUMBER 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.
- (b) WHERE EXISTING SITE DEVELOPMENT CONDITIONS PROHIBIT THE STRICT AND FULL COMPLIANCE OF ALL ADA CRITERIA, PROVIDE ACCESSIBILITY TO THE MAXIMUM EXTENT FEASIBLE AND DOCUMENT WITH AN ADA STATEMENT OF TECHNICAL INFEASIBILITY FORM WHEN ADA STANDARDS CAN'T BE ACHIEVED.

GENERAL NOTES:

- ① THE COST OF RETAINING WALLS IS INCLUDED IN THE UNIT PRICE BID FOR CONCRETE SIDEWALK.
- $\ensuremath{\bigcirc}$ There is no tolerance for exceeding maximum standards.

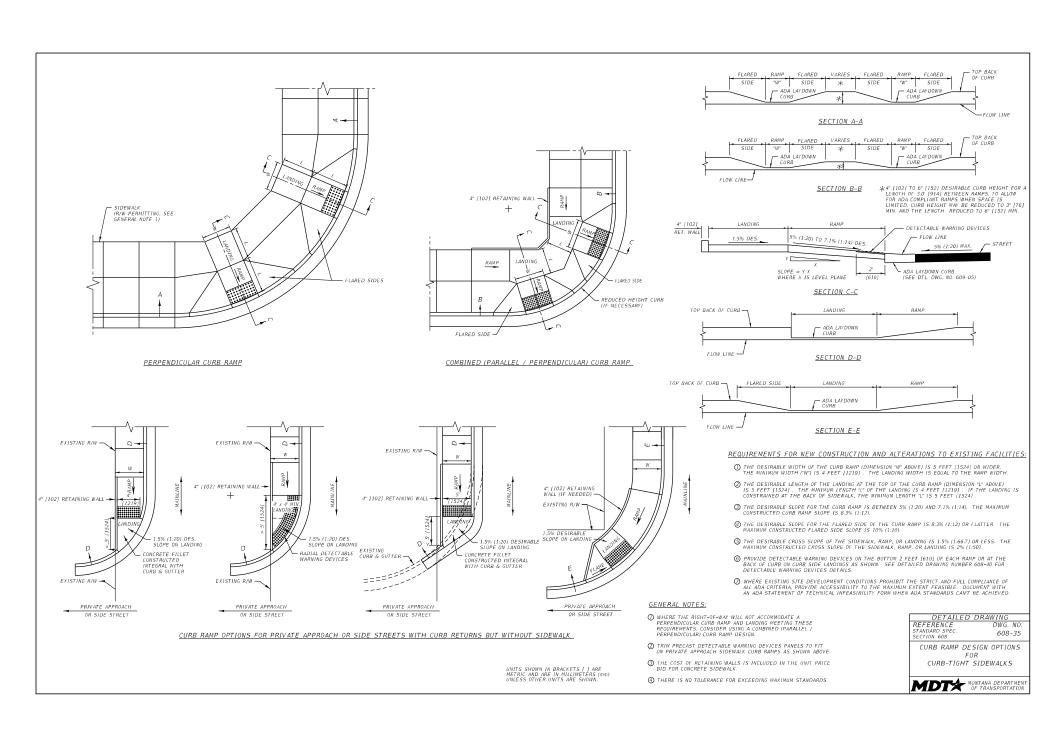
UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWING REFERENCE DWG. NO.

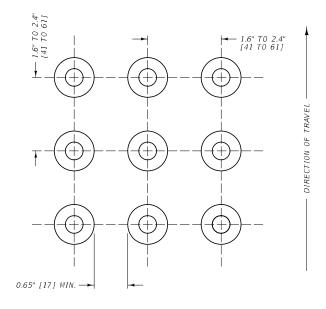
STANDARD SPEC SECTION 608 608-30

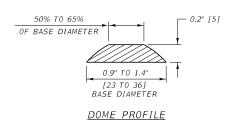
PARALLEL CURB RAMPS



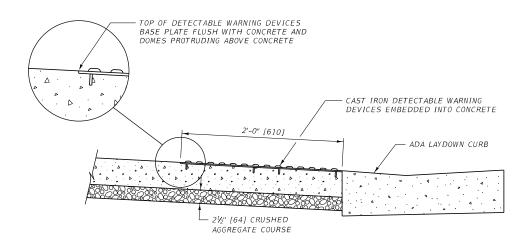


SQUARE PATTERN PARALLEL ALIGNMENT





DETECTABLE WARNING DEVICES ALIGNMENT AND PATTERN



<u>SIDE VIEW</u>

CONSTRUCTION REQUIREMENTS:

- ① INSTALL DETECTABLE WARNING DEVICES THAT EXTEND THE FULL WIDTH OF THE RAMP, 2 FEET [610] IN DEPTH.
- ② INSTALL THE DETECTABLE WARNING DEVICES ADJACENT TO THE BACK OF CURB UNLESS OTHERWISE SHOWN IN THE PLANS.
- ③ EMBED THE DETECTABLE WARNING DEVICES DIRECTLY INTO THE CONCRETE, SO THE TOP OF THE BASE PLATE IS FLUSH WITH THE CONCRETE AND THE DOMES PROTRUDE ABOVE THE ADJACENT CONCRETE SURFACE.
- ③ USE CAST IRON DETECTABLE WARNING DEVICES FROM THE DEPARTMENT'S QUALIFIED PRODUCTS LIST (QPL).
- 4 ENSURE A UNIFORM GRADE ON THE DETECTABLE WARNING DEVICES FREE OF SAGS AND IRREGULAR EDGES.
- (6) USE DETECTABLE WARNING DEVICES THAT VISUALLY CONTRAST WITH ADJACENT WALKWAY SURFACES.
- ② ENSURE THE ALIGNMENT AND PATTERN OF THE DOMES IS CONTINUED ACROSS ANY JOINTS BETWEEN DETECTABLE WARNING DEVICES BASE PLATE.

UNITS SHOWN IN BRACKETS [] ARE METRIC AND ARE IN MILLIMETERS (mm) UNLESS OTHER UNITS ARE SHOWN.

DETAILED DRAWING

REFERENCE STANDARD SPEC. SECTION 608 DWG. NO. 608-40

DETECTABLE WARNING DEVICES

