



CHAPTER 4:

1. **CURB RAMPS AND THE FLARED SIDES** OF CURB RAMP SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES. CURB RAMP AT MARKED CROSSING SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS EXCLUDING ANY FLARED SIDE.
2. **CORNER FLARE CURB RAMP** WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMP SHALL HAVE A CLEAR SPACE 48 INCHES MINIMUM UNDER ACTIVE TRAFFIC LANES OF THE ADJACENT SIDEWALK. THE DIAGONAL CURB RAMP WITH RETURNED CURBS SHALL PROVIDE THE 48 INCHES MINIMUM CLEAR SPACE WITH THE MARKINGS. DIAGONAL CURB RAMP WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB WITH 48 INCHES MINIMUM CLEARANCE ON EACH SIDE OF CURB RAMP AND WITHIN THE MARKED CROSSING.
3. **COUNTER SLOPES OF ADJOINING GUTTERS** AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN THE ADJACENT SURFACE AT TRAVELERS' FEET OR CURB RAMP TO WALKS, GUTTERS AND STREETS SHALL NOT BE STEEPER.
4. **CURB RAMP'S FLARED SIDES** SHALL NOT BE LEVEL THAN 1:10
5. **LANDINGS** SHALL BE PROVIDED AT THE TOPS OF CURB RAMP. THE LANDING CLEAR LENGTH SHALL BE 48 INCHES MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP. THE LANDING ON BOTH SIDES LEADING TO THE LANDING. THE SLOPE OF THE LANDING IN ALL DIRECTION SHALL BE 1:48 MAXIMUM.
6. **GRADE BEAMS** AT THE TOP AND BOTTOM OF CURB RAMP SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BEAMS SHALL NOT BE PERMITTED ON THE SURFACE OF RAMP RUNS AND TURNING SPACES.

CHAPTER 5:

505.10 HANDRAIL EXTENSIONS

- HANDRAILS** SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMP.
- EXCEPTIONS:**
- A. AISLE STAIRS AND AISLE RAMP PROVIDED WITH A HANDRAIL EITHER AT THE SIDE OR WITHIN THE AISLE WIDTH.
 - B. CURB RAMPS DO NOT REQUIRE HANDRAILS.
 - C. AT DOOR LANDINGS, HANDRAILS ARE NOT REQUIRED WHEN THE RAMP RUN IS LESS THAN 6 INCHES IN THE RISE OR 72 INCHES IN LENGTH.
- HANDRAILS** SHALL BE LOCATED ON THE INSIDE OR OUTSIDE OF EACH STAIR FLIGHT OR CONTINUOUS BETWEEN FLIGHTS OR RISERS.
- GRIPPING SURFACES** SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL BE OF A CONSTRUCTION THAT PROVIDES A GRIPPING SURFACE. THE HANDRAIL GRIPPING SURFACE SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT THEIR LENGTH WHERE PROVIDED. HORIZONTAL PROJECTIONS SHALL OCCUR AT 1/2 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL SURFACE.
- EXCEPTIONS:**
- A. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES, SLIPRESIST NOT STEEPER THAN 120 TO THE BOTTOMS OF HANDRAILS. GRIPPING SURFACES SHALL BE PERMITTED TO BE OBSTRUCTED ALONG THEIR ENTIRE LENGTH WHERE THEY ARE INTEGRAL TO CRASH RAILS OR OTHER GUARDS.
 - B. THE DISTANCE BETWEEN HORIZONTAL PROJECTIONS AND THE BOTTOM FOR THE GRIPPING SURFACE SHALL BE PERMITTED TO BE 18 INCHES BY 1/8 INCH FOR HANDRAILS WITH A HORIZONTAL PERIMETER DIMENSION THAT EXCEEDS 4 INCHES.
 - C. HANDRAILS, AND ANY WALL OR OTHER SURFACES ADJACENT TO THEM, SHALL BE FREE OF ANY PROTRUSIONS OR OBSTRUCTIONS THAT COULD CAUSE INJURY.
 - D. HANDRAILS SHALL NOT ROTATE WITH THEIR FITTINGS.
- HANDRAILS** SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS.
- EXCEPTIONS:**
- A. HANDRAILS SHALL NOT BE REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF SWITCH BACK OR DOGGLE STAIRS AND RAMPINGS.
 - B. IN ASSEMBLY AREAS, EXTENSIONS SHALL NOT BE REQUIRED FOR HANDRAILS IN AISLE SERVICE OR EXIT AREAS. WHERE THE HANDRAILS ARE DISCONTINUOUS TO PROVIDE ACCESS TO SEATING AND TO PERMIT CROSSOVERS WITHIN AISLE.
 - C. IN SITUATIONS WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF RAMP RUN WOULD CREATE A HAZARD, THE EXTENSION OF THE HANDRAIL MAY BE TURNED 90 DEGREES FROM THE RAMP RUN EXTENSION TO SECTION TO THE NEXT RAMP OR STAIR FLIGHT.
- EXTENSION** SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

CHAPTER 5:

4. **STAIRS**
- OPEN RISERS SHALL NOT BE PERMITTED**
- ALL STAIRS SHALL COMPLY WITH FLOOR AND SLOPE AND SHALL HAVE A SLOPE NOT STEEPER THAN 1:48**
- CONTRASTING STRIPE**
- ALL STAIRS SHALL BE MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREADS MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. STRIPE SHALL BE 1/2 INCH MINIMUM, 1/4 INCH MAXIMUM, AND SHALL BE PAINTED IN ONE OF THE COLORS OF THE STEP AND BE THE FULL WIDTH OF THE STEP. BE AT LEAST AS PERSISTENT AS THE TREADS, PAINTED STRIPE IS ACCEPTABLE, GROUTED STRIPE IS PREFERRED**
- NOSINGS**, THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MINIMUM, NOSING THAT PROJECT BEYOND RISERS SHALL BE 1/2 INCH MAXIMUM
- HANDRAILS**, STAIRS SHALL HAVE COMPLYING HANDRAILS.
- WET CONDITIONS**, STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER
7. **FLOOR IDENTIFICATION** REQUIRED BY CHAPTER 10 SHALL BE LOCATED AT THE LANDINGS OF EACH FLOOR LEVEL, PLACED ADJACENT TO THE DOOR ON THE EXTERIOR OF THE BUILDING. THE SIGN SHALL BE PLACED TO THE RIGHT OF THE STAIRS IN STORES IN HEIGHT TO IDENTIFY THE FLOOR LEVEL, AT THE DOWN DISCHARGE LEVEL, THE SIGN SHALL INCLUDE A RAISED FIVE POINTED STAR LOCATED TO THE LEFT OF THE IDENTIFYING FLOOR LEVEL, THE OUTSIDE DIAMETER OF THE SIGN SHALL BE THE SAME AS THE SIGN IDENTIFYING THE FLOOR LEVEL

CHAPTER 3:

305. CLEAR FLOOR OR GROUND SPACE
1. FLOOR SURFACES OF A CLEAR FLOOR SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1/48 AND SHALL COMPLY WITH FLOOR SURFACES.
 2. CLEAR FLOOR SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE, UNLESS OTHERWISE SPECIFIED.
 3. THE CLEAR FLOOR SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT, UNLESS OTHERWISE SPECIFIED.
 4. ONE FULL UNOBSTRUCTED SIDE OF CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR SPACE IF A CLEAR FLOOR SPACE IS IN AN ALCOVE OR OTHERWISE CONFINED ON OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES COMPLYING WITH MANEUVERING CLEARANCE IN ALCOVE.
 - 5.

CHAPTER 4: MANEUVERING CLEARANCES

- AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY.
2. PROJECTIONS. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEARANCE OF 36 INCHES OR LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES. EXCEPTION: IN A DOOR OR GATE WHERE THE CLEARANCE ABOVE THE DOOR TO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 37 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
3. EXISTING MANEUVERING SPACE. IN A DOOR OR GATE WHERE MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.
4. PROVIDING OF HANDRAILS. HANDRAILS IN LEVEL, DOWNHILL, AND UPHILL DOOR, HORIZONTAL HANDRAILS, PULLS, LATCH LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE 34" MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. HANDRAILS ON DOORS ARE IN THE FULLY OPEN POSITION. EXCEPTION: HANDRAILS SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. OPERATION: EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES. EXCEPTION: HANDRAILS SHALL BE PERMITTED ON DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED AT THE TOP OR BOTTOM RAIL.
5. DOORS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE HINGE IN 5 SECONDS MINIMUM. SWINGING HINGES, DOOR AND GATE HINGES SHALL BE ADJUSTED SO THAT FROM A CLOSED POSITION OF 90 DEGREES, THE DOOR OR GATE SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS.
6. DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWING THE DOOR TO BE OPENED BY ONE PERSON. AUTHORITY: THE FORCE FOR PUSHING OR PULLING ON A DOOR OR GATE OTHER THAN A FIRE DOOR SHALL BE 5 POUNDS FOR INTERIOR DOORS, GATES, SLEIGH DOORS, AND SLIDING DOORS.
7. DOOR AND GATE SURFACES. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISHED FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE, EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS OF THE DOOR OR GATE SURFACES WITHIN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLACE AS THE OTHER. CERTAINIES COVERED BY ADDED KICK PANELS SHALL BE SHIPPED WITH A SLIDING DOOR OR GATE WITHIN 10 INCHES OF THE FINISHED FLOOR OR GROUND. GLASS DOORS WITHOUT STILES AND HAVING A BOTTOM RAIL OR CHARGE WITH THE TOP LEADING EDGE TAPERED AT 60 DEGREES MINIMUM FROM THE HORIZONTAL, SHALL NOT BE REQUIRED TO COMPLY. DOORS AND GATES THAT ARE DESIGNED TO WITHSTAND IMPACT SHALL NOT BE REQUIRED TO COMPLY. SMOOTH SURFACES SHALL NOT BE REQUIRED TO COMPLY: EXISTING DOORS AND GATES WITHOUT SMOOTH SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND. EXCEPTION: REQUIRED TO COMPLY IF THE DOOR OR GATE IS ADDED KICK PANELS ARE INSTALLED CAPPED COVERED BY SUCH KICK PANELS ARE CAPPED.
8. VISION LIGHTS. DOORS, GATES AND GLIDE LIGHTS ADJACENT TO DOORS OR GATES CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE A SLIT AT LEAST 4 INCHES ABOVE THE FINISH FLOOR OR GROUND. EXCEPTION: ABOVE THE FINISH FLOOR EXCEPTION: VISION LIGHTS WITH THE LOWEST PART MORE THAN 66 INCHES FROM THE FINISH FLOOR OR GROUND SHALL NOT BE REQUIRED TO COMPLY.
9. AUTOMATIC AND POWER ASSISTED DOORS AND GATES. AUTOMATIC DOORS

CHAPTER 4: RAMPS

2. RAMP RUN SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.
3. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.
4. RAMP RUNS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - A. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM. HANDRAILS MAY PROJECT INTO THE REQUIRED CLEAR WIDTH OF THE RAMP AT EACH SIDE AND PROVIDE A CONTINUOUS UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP.
 - B. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM.
 - C. LANDINGS SHALL HAVE A SLOPE NOT GREATER THAN 1:48 AND SHALL COMPLY WITH ALL OTHER ACCESSIBLE FEATURES.
5. RAMPS THAT CHANGE DIRECTION AT RAMP RUNS SHALL PROVIDE A TURNING SPACE.
 - A. RAMP RUNS WITH A RISE GREATER THAN 6 INCHES SHALL HAVE COMPLIANT HANDRAILS
6. EDGE PROTECTION SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH END OF RAMP LANDINGS.
 - A. EXCEPTIONS:
 - i. EDGE PROTECTION SHALL NOT BE REQUIRED AT CURB RAMPS.
 - ii. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS SERVING A RAMP RUN OR STRAYWAY.
 - iii. EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP RUNS HAVING A VERTICAL CURVE GRADE OF 1/2 INCH MINIMUM WITHIN 10 FEET HORIZONTALLY OF THE MINIMUM LANDING AREA.
 - B. A CURB 2 INCHES HIGH LONGITUDINAL OR BARBER SHALL BE PROVIDED TO PREVENT FALLAGE OF OBJECTS FROM THE SPHERE. WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE, IT SHALL BE PREVENTED BY A CURB OR ANOTHER MEANS TO PROVIDE A CONTINUOUS AND UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP.
7. RAMPS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER.

CHAPTER 4:

- 10.3. CLEARANCES**
- 1. AT LEAST ONE ACCESSIBLE ROUTE** SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEVATORS AND ACCESSIBLE STAIRS THAT ARE REQUIRED ON THE SITE. EXCEPT FOR AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE FACILITIES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING PEDESTRIAN ACCESS.
- 2. ENTRANCES AND EXTERIOR FLOOR PLACES** SHALL BE ACCESSIBLE.
- A. EXCEPTIONS:**
- a. EXTERIOR GROUND FLOOR EXITS** SERVING SCHOOL-PROOF ENCLOSURES, STAIRWELLS, AND EXITS TO GROUND SERVING STAIRS SHALL NOT BE REQUIRED TO BE ON AN ACCESSIBLE ROUTE.
- b. EXITS IN EXCESS** IF THOSE REQUIRED BY CHAPTER 10, 1 AND WHICH ARE MORE THAN 24 INCHES ABOVE GRADE SHALL NOT BE REQUIRED TO BE ON AN ACCESSIBLE ROUTE. THESE EXITS SHALL HAVE WARNING SIGNS STATING THAT THEY ARE NOT ACCESSIBLE.
- 3. REVOLVING DOORS, KICKING GATES AND TURNSTILES** SHALL NOT BE PART OF AN ACCESSIBLE ROUTE.
- 4. ACCESSIBLE ROUTES** SHALL COMPLY WITH FLOOR AND GROUND SURFACES AND CHANGES IN LEVEL.
- 5. THE RUNNING SLOPE OF WALKING SURFACES** SHALL NOT BE STEEPER THAN 1:20. THE SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48.
- 6. ALL ACCESSIBLE ROUTES** WITH A CLEAR WIDTH OF MORE THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM. PASSING SPACES SHALL BE WITHIN 48 INCH MINIMUM BY 60 INCH MINIMUM SPACE. AN EXCEPTION OF: AT ALL ACCESSIBLE ROUTES WITH 1/4 TURNING SPACE COMPLYING TURNING SPACE PROVIDED THE BASE AND ARMS OF THE T-SHAPED SPACE EXTEND 48 INCHES MINIMUM BEYOND THE TURNING SPACE.
- 7. EMPLOYEE WORK AREAS:** SPACE ELEMENTS WITHIN EMPLOYEE WORK AREA SHALL ONLY BE REQUIRED TO COMPLY WITH ACCESSIBLE ROUTES, ACCESSIBLE MEANS OF EGRESS AND AUDIBLE ALARM COVERAGE.
- 8. EXCEPT FOR: AT ALL ACCESSIBLE ROUTES** SHALL CONNECT EACH ACCESSIBLE LEVEL, INCLUDING MEZZANINES, IN MULTILEVEL BUILDINGS AND FACILITIES.
- A. EXCEPTIONS:**
- a. MULTI-STORIED OFFICE BUILDINGS** (OTHER THAN PROFESSIONAL OFFICE OF A HEALTH CARE PROVIDER) AND PASSENGER VEHICLE SERVICE STATIONS LESS THAN 3,000 SQUARE FEET PER STORY.
- b. ANY OTHER PRIVATELY FUNDED MULTI-STORIED BUILDING** THAT IS NOT A SHOPPING CENTER, SHOPPING MALL OR THE PROFESSIONAL OFFICE OF A HEALTH CARE PROVIDER OR A TERMINAL, DEPOT OR OTHER STATIONS USED FOR SPECIFIED PUBLIC TRANSPORTATION, OR AN AIRPORT PASSENGER TERMINAL, THAT IS LESS THAN 3,000 SQUARE FEET PER STORY OR LESS THAN 3,000 SQUARE FEET PER STORY IF A REASONABLE PORTION OF ALL FACILITIES AND ACCOMMODATIONS NORMALLY USED AND BY THE BUILDING OR TERMINAL AS SUCH A BUILDING ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH