ACCESSIBILITY NOTES

TITLE 24 – DISABLED ACCESS
COMMERCIAL PLAN REQUIREMENTS
(EFFECTIVE 7–1–99 ...REV
11–99)

A. SITE DEVELOPMENT & ACCESSIBLE ROUTE OF TRAVEL

NOTE: ACCESSIBLE ROUTE OF TRAVEL IS DEFINED AS "A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES IN AN ACCESSIBLE BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A SEVERE DISABILITY USING A WHEELCHAIR AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER DISABILITIES." SEC 1102B

NOTE: INDICATE ALL PATHS OF TRAVEL FOR DISABLED PERSONS FROM THE PUBLIC WAY AND/OR FROM THE DISABLED PARKING SPACE(S), AS REQUIRED, WITH DASHED LINES OR ARROWS.

1. SITE DEVELOPMENT AND GRADING SHALL BE DESIGNED TO PROVIDE ACCESS TO ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXITS, AND ACCESS TO NORMAL PATHS OF TRAVEL, AND WHERE NECESSARY TO PROVIDE ACCESS, SHAL INCORPORATE PEDESTRIAN RAMPS, CURB RAMPS, ETC. SEC 1127B.1
2. WHEN MORE THAN ONE BUILDING OR FACILITY IS LOCATED ON A SITE, ACCESSIBLE ROUTES OF TRAVEL SHALL BE PROVIDED BETWEEN BUILDINGS AND ACCESSIBLE SITE FACILITIES. SEC 1127B.1
3. THE ACCESSIBLE ROUTE OF TRAVEL SHALL BE THE MOST PRACTICAL DIRECT ROUTE BETWEEN ACCESSIBLE BUILDING ENTRANCES, ACCESSIBLE SITE FACILITIES, AND THE ACCESSIBLE ENTRANCE TO THE SITE. SEC 1127B.1
4. AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE BOUNDARY OF THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS, TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. THE ACCESSIBLE ROUTE SHALL, TO THE MAXIMUM EXTENT FEASIBLE, COINCIDE WITH THE ROUTE FOR THE GENERAL PUBLIC. SEC 1114B.1.2
5. WHEN A BUILDING OR PORTION OF A BUILDING IS REQUIRED TO BE ACCESSIBLE OR ADAPTABLE, AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE PROVIDED TO ALL PORTIONS OF THE BUILDING, TO ACCESSIBLE BUILDING ENTRANCES, AND BETWEEN THE BUILDING AND THE PUBLIC WAY. SEC 1114B.1.2
6. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS THAT ARE ON THE SAME SITE AND WITH ALL ACCESSIBLE DWELLING UNITS WITHIN THE BUILDING OR FACILITY. SEC 1114B.1.2
7. AN ACCESSIBLE ROUTE SHALL CONNECT AT LEAST ONE ACCESSIBLE ENTRANCE OF EACH ACCESSIBLE DWELLING UNIT WITH THOSE EXTERIOR AND INTERIOR SPACES AND FACILITIES THAT SERVE THE ACCESSIBLE DWELLING UNIT. SEC 1114B.1.2
8. EXCEPT WITHIN AN INDIVIDUAL DWELLING UNIT, AN ACCESSIBLE ROUTE OF TRAVEL SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS, OR OTHER SPACES USED FOR SIMILAR PURPOSES SEC 1114B.1.2
9. WHEN MORE THAN ONE ROUTE OF TRAVEL IS PROVIDED, ALL ROUTES SHALL BE ACCESSIBLE. SEC 1114B.1.2

B. WALKS & SIDEWALKS

1. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", AND SHALL BE A MINIMUM OF 48" IN WIDTH. SEC 1133B.7.1. FIG 11B–27(A).
2. WHEN ABRUPT CHANGES IN LEVEL NOT EXCEEDING 1/2" OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2, EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4" MAY BE VERTICAL. SEC 1133B.7.4. FIG 11B–5E(C) & (D).
3. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE EXCEEDING 1/2" SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. SEC 1133B.7.4
4. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL IT SHALL COMPLY WITH THE PROVISIONS OF SECTION 1133B.5 AS A PEDESTRIAN RAMP. SEC 1133B.7.3
5. WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT EXCEPT WHEN THE ENFORCING AGENCY FINDS THAT DUE TO LOCAL CONDITIONS IT CREATES AN UNREASONABLE HARDSHIP, THE CROSS SLOPE CAN BE INCREASED TO A MAXIMUM OF 1/2" PER FOOT FOR DISTANCES NOT TO EXCEED 20'. SEC 1133B.7.1.3
6. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" BY 60" AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48" WIDE BY 44" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SEC 1133B.7.5
7. WALKS SHALL EXTEND A MINIMUM OF 24" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK. SEC 1023.5 [3324(E)].
8. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5' IN LENGTH AT INTERVALS OF AT LEAST EVERY 400'. SEC 1133B.7.6
9. WALK AND SIDEWALK SURFACES SHALL BE SLIP–RESISTANT AS FOLLOWS: SEC 1133B.7.1
   a. SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP–RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH.
   b. SURFACES WITH A SLOPE OF 6% GRADIENT SHALL BE SLIP–RESISTANT.
10. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL. SEC 1124B.4 & 1133B.7.2. FIG 11B–7B(A).

C. RAMPS

NOTE: ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF IT'S SLOPE IS GREATER THAN 1' RISE IN 20' OF HORIZONTAL RUN. SEC 1133B.5.1

1. THE MAXIMUM SLOPE OF A RAMP THAT SERVES ANY EXITWAY, PROVIDES ACCESS FOR PERSONS WITH DISABILITIES, OR IS IN THE PATH OF TRAVEL SHALL BE 1' RISE IN 12' OF HORIZONTAL RUN. SEC 1133B.5.3
2. THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:50. SEC 1133B.5.3
3. THE WIDTH OF RAMPS SHALL BE AS REQUIRED FOR STAIRWAYS AND EXITS. SEC 1133B.5.2. FIG 11B–38 & 39.
4. PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES TO BUILDINGS HAVING AN OCCUPANT LOAD OF 300 OR MORE SHALL HAVE A MINIMUM CLEAR WIDTH OF 60". SEC 1133B.5.2.2
5. RAMPS SERVING GROUP R OCCUPANCIES MAY BE 36" CLEAR WIDTH WHEN THE OCCUPANT LOAD IS 50 OR LESS. SEC 1133B.5.2.2
6. ALL OTHER PEDESTRIAN RAMPS SERVING PRIMARY ENTRANCES SHALL HAVE A MINIMUM WIDTH OF 48". SEC 1133B.5.2.2
7. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH RAMP. SEC 1133B.5.4.1 & 1003.3.4.4. FIG 11B–38 & 39.
8. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30" OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION. SEC 1133B.5.4.1. FIG 11B–38 & 39.
9. TOP LANDINGS SHALL BE NOT LESS THAN 60" WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60" IN THE DIRECTION OF RAMP RUN. SEC 1133B.5.4.2 & 1003.3.4.4. FIG 11B–38 & 39
10. DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE RAMP LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPEN. SEC 1133B.5.4.3 & 1003.3.4.4. FIG 11B–38 & 39.
11. THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS. SEC 1133B.5.4.4 & 1003.3.4.4. FIG 11B–39.
12. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED FOR THE RAMP. SEC 1133B.5.4.5. FIG 11B–38 & 39.
13. INTERMEDIATE LANDING AT A CHANGE OF DIRECTION IN EXCESS OF 30 DEGREES AND BOTTOM LANDINGS SHALL HAVE A DIMENSION IN THE DIRECTION OF RAMP RUN OF NOT LESS THAN 72" TO ACCOMMODATE THE HANDRAIL EXTENSION. SEC 1133B.5.4.6 & 1003.3.4.4. FIG 11B–38 & 39.
14. OTHER INTERMEDIATE LANDINGS SHALL HAVE A DIMENSION IN THE DIRECTION OF RAMP RUN OF NOT LESS THAN 60". SEC 1133B.5.4.7. FIG 11B–38.
15. RAMP LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP. SEC 1133B.5.4.1
16. HANDRAILS ARE REQUIRED ON RAMPS THAT PROVIDE ACCESS IF THE RAMP SLOPE EXCEEDS 1' RISE IN 20' OF HORIZONTAL RUN, EXCEPT THAT AT EXTERIOR DOOR LANDINGS, HANDRAILS ARE NOT REQUIRED ON RAMPS LESS THAN 6" RISE OR 72" IN LENGTH. SEC 1133B.5.5.1
17. HANDRAILS SHALL BE PLACED ON EACH SIDE OF EACH RAMP, SHALL BE CONTINUOUS THE FULL LENGTH OF THE RAMP, SHALL BE 34" TO 38" ABOVE THE RAMP SURFACE, SHALL EXTEND A MINIMUM OF 1' BEYOND THE TOP AND BOTTOM OF THE RAMP, AND THE ENDS SHALL BE RETURNED. SEC 1133B.5.5.1. FIG 11B–27(B) & (C)
18. THE GRIP PORTION OF HANDRAILS SHALL BE NOT LESS THAN 1–1/4" NOR MORE THAN 1–1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE, AND ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS. SEC 1133B.5.5.1. FIG 11B–36.
19. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1–1/2" BETWEEN THE WALL AND THE HANDRAIL. SEC 1133B.5.5.1. FIG 11B–36.
20. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAXIMUM OF 3" DEEP AND EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL. SEC 1133B.5.5.1. FIG 11B–36.
21. ANY WALL OR OTHER SURFACE ADJACENT TO HANDRAILS SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8". SEC 1007.5A[3307(E.1)]. FIG 11B–36.
22. WHERE THE RAMP LANDING IS NOT BOUNDED BY A WALL OR FENCE, THERE SHALL BE PROVIDED ON EACH SIDE OF THE RAMP LANDING WHERE THERE IS A VERTICAL DROP EXCEEDING 4", ONE OF THE FOLLOWING: SEC 1133B.5.4.9. FIG 11B–27(B) & (C).
   a. A GUIDE CURB, A MINIMUM OF 2" IN HEIGHT; OR
   b. A WHEEL GUIDE RAIL, CENTERED 3" ±1" ABOVE THE SURFACE OF THE RAMP LANDING.
23. WHERE THE RAMP SURFACE IS NOT BOUNDED BY A WALL OR FENCE AND THE RAMP EXCEEDS 10' IN LENGTH, THE RAMP SHALL COMPLY WITH ONE OF THE FOLLOWING REQUIREMENTS: SEC 1133B.5.6. FIG 11B–27(B) & (C).
   a. A GUIDE CURB A MINIMUM OF 2" IN HEIGHT SHALL BE PROVIDED AT EACH SIDE OF THE RAMP; OR
   b. A WHEEL GUIDE RAIL SHALL BE PROVIDED, CENTERED 3" ±1" ABOVE THE SURFACE OF THE RAMP.
24. OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED AND CONSTRUCTED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES. SEC 1133B.5.7

D. CURB RAMPS

NOTE: CURB RAMPS SHALL BE CONSTRUCTED AT EACH CORNER OF STREET INTERSECTIONS AND WHERE A PEDESTRIAN WAY CROSSES A CURB. THE PREFERRED AND RECOMMENDED LOCATION FOR CURB RAMPS IS IN THE CENTER OF THE CROSSWALK OF EACH STREET CORNER. WHERE IT IS NECESSARY TO LOCATE A CURB RAMP IN THE CENTER OF THE CURB RETURN AND THE STREET SURFACES ARE MARKED TO IDENTIFY PEDESTRIAN CROSSWALKS, THE LOWER END OF THE CURB RAMP SHALL TERMINATE WITHIN SUCH CROSSWALK AREAS. SEC 1127B.5.1. FIG 11B–19 THROUGH 11B–23.

1. PROVIDE A CURB RAMP AT HANDICAPPED PARKING. SEC 1127B.5.1
2. CURB RAMPS SHALL BE A MINIMUM OF 4' IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE. SEC 1127B.5.2
3. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. SEC 1127B.5.3
4. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE, SHALL NOT EXCEED 1:20 WITHIN 4' OF THE TOP AND BOTTOM OF THE CURB RAMP. THE SLOPE OF THE FANNED OR FLARED SIDES OF CURB RAMPS SHALL NOT EXCEED 1 UNIT VERTICAL TO 10 UNITS HORIZONTAL. SEC 1127B.5.3
5. A LEVEL LANDING 4' DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED 1 VERTICAL TO 12 HORIZONTAL. SEC 1127B.5.4
6. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. SEC 1127B.5.3
7. IF DIAGONAL (CORNER TYPE) CURB RAMPS HAVE RETURNED CURBS OR OTHER WELL DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE 48" MINIMUM CLEAR SPACE. IF DIAGONAL CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING. SEC 1127B.5.10
8. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE STABLE, FIRM, AND SLIP–RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK. SEC 1127B.5.6
9. ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE APPROXIMATELY 3/4" ON CENTER. ALL CURB RAMPS CONSTRUCTED BETWEEN THE FACE OF THE CURB AND THE STREET SHALL HAVE A GROOVED BORDER AT THE LEVEL SURFACE OF THE SIDEWALK. SEC 1127B.5.7
10. THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2" LIP BEVELED AT 45 DEGREES AS A DETECTABLE WAY–FINDING EDGE FOR PERSONS WITH VISUAL IMPAIRMENTS. SEC 1127B.5.5
11. A CURB RAMP SHALL HAVE A DETECTABLE WARNING THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP INSIDE THE GROOVED BORDER WHEN THE RAMP SLOPE IS LESS THAN 1 VERTICAL TO 15 HORIZONTAL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9" AT THE BASE TAPERING TO 0.45" AT THE TOP, A HEIGHT OF NOMINAL 0.2", AND A CENTER–TO–CENTER SPACING OF NOMINAL 2.35", IN COMPLIANCE WITH FIGURE 11B–23A. "NOMINAL", AS USED HERE, SHALL BE IN ACCORDANCE WITH SECTION 12–31–102, STATE REFERENCED STANDARDS CODE. THE DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT–ON–DARK OR DARK–ON–LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. THE DOMES MAY BE CONSTRUCTED IN A VARIETY OF METHODS, INCLUDING CAST–IN–PLACE OR STAMPED, OR MAY BE PART OF A PREFABRICATED SURFACE TREATMENT. SEC 1127B.5.8
12. CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED CARS SEC 1127B.5.9

E. PARKING

1. PROVIDE DISABLED PARKING SPACES AS REQUIRED BY TABLE 11B–6. SEC 1129B.1

TABLE 11B–6

TOTAL # OF PARKING SPACES PROVIDED	TOTAL # OF DISABLED SPACES REQUIRED
1–25	1
26–50	2
51–75	3
76–100	4
101–150	5
151–200	6
201–300	7
301–400	8
401–500	9
501–1000	2% OF TOTAL
1001 & OVER	20+1 FOR EACH 100 OR FRACTION THEREOF OVER 1001

2. AT FACILITIES PROVIDING MEDICAL CARE AND OTHER SERVICES FOR PERSONS WITH MOBILITY IMPAIRMENTS, PARKING SPACES COMPLYING WITH SECTION 1129B SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 11B–6 EXCEPT AS FOLLOWS: SEC 1129B.3
   a. OUTPATIENT UNITS AND FACILITIES: 10% OF THE TOTAL NUMBER OF PARKING SPACES PROVIDED SERVING EACH SUCH OUTPATIENT UNIT OR FACILITY; SEC 1129B.3.1
   b. UNITS AND FACILITIES THAT SPECIALIZE IN TREATMENT OR SERVICES FOR PERSONS WITH MOBILITY IMPAIRMENTS: 20% OF THE TOTAL NUMBER OF PARKING SPACES PROVIDED SERVING EACH SUCH UNIT OR FACILITY. SEC 1129B.3.2
3. EACH LOT OR PARKING STRUCTURE WHERE PARKING IS PROVIDED FOR THE PUBLIC AS CLIENTS, GUESTS OR EMPLOYEES, SHALL PROVIDE ACCESSIBLE PARKING AS REQUIRED BY SECTION 1129B. SEC 1129B.1
4. ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED AS NEAR AS PRACTICAL TO A PRIMARY ENTRANCE AND ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE. SEC 1129B.1 & 1129B.4
5. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY. SEC 1129B.1
6. IN BUILDINGS WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. SEC. 1129B.1
7. WHERE SINGLE ACCESSIBLE PARKING SPACES ARE PROVIDED, THEY SHALL BE 14' WIDE AND OUTLINED TO PROVIDE A 9' PARKING AREA AND A 5' LOADING AND UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE. SEC 1129B.4.1. FIG 11B–18B.
8. WHEN MORE THAN ONE ACCESSIBLE PARKING SPACE IS PROVIDED, IN LIEU OF PROVIDING A 14' WIDE SPACE FOR EACH PARKING SPACE, TWO SPACES CAN BE PROVIDED WITHIN A 23' WIDE AREA LINED TO PROVIDE A 9' PARKING AREA ON EACH SIDE OF A 5' LOADING AND UNLOADING ACCESS AISLE IN THE CENTER. SEC 1129B.4.1. FIG 11B–18A & C.
9. THE MINIMUM LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18'. SEC 1129B.4.1. FIG 11B–18A, B & C.
10. WHEN LESS THAN 5 PARKING SPACES ARE PROVIDED AT BUILDINGS AND FACILITIES SUBJECT TO THESE REGULATIONS, ONE SHALL BE 14' WIDE AND LINED TO PROVIDE A 9' PARKING AREA AND A 5' LOADING AND UNLOADING AREA. HOWEVER, THERE IS NO REQUIREMENT THAT THE SPACE BE RESERVED EXCLUSIVELY OR IDENTIFIED FOR USE BY PERSONS WITH DISABILITIES ONLY. SEC 1129B.2
11. ONE IN EVERY EIGHT ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96" WIDE MINIMUM AND SHALL BE DESIGNATED VAN ACCESSIBLE. ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE. SEC 1129B.4.2
12. SURFACE SLOPES OF ACCESSIBLE PARKING SPACES SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 1 UNIT VERTICAL TO 50 UNITS HORIZONTAL IN ANY DIRECTION. SEC 1129B.4.4
13. ALL ENTRANCES TO AND VERTICAL CLEARANCES WITHIN PARKING STRUCTURES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8'–2" WHERE REQUIRED FOR ACCESSIBILITY TO ACCESSIBLE PARKING SPACES. THE VERTICAL CLEARANCE SHALL BE CLEAR OF ALL OBSTRUCTIONS, INCLUDING BEAMS, SPRINKLER HEADS, WATER AND SEWER PIPING, ETC. SEC 1130B
14. IN EACH PARKING AREA, A BUMPER OR CURB SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF CARS OVER THE REQUIRED WIDTH OF WALKWAYS. SEC 1129B.4.3. FIG 11B–18A, B & C.
15. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO PEOPLE WITH DISABILITIES SHALL BE PROVIDED FROM EACH SUCH PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED. SEC 1129B.4.3. FIG 11B–18A, B & C.
16. RAMPS SHALL NOT ENCROACH INTO ANY PARKING SPACE, WITH THE EXCEPTION OF A TRANSITION RAMP FROM A LOADING/UNLOADING AREA TO AN ADJACENT SIDEWALK. THE TRANSITION RAMP SHALL BE A MINIMUM OF 48" IN WIDTH, A MAXIMUM OF 60" IN LENGTH, WITH A MAXIMUM SLOPE OF 1:12. SEC 1129B.4.3. FIG 11B–18A, B & C.
17. ACCESSIBLE PARKING SPACES SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN. SEC 1129B.4.3
18. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE, CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SEC 1129B.5. FIG 11B–18A, B & C.
19. SIGNS TO IDENTIFY ACCESSIBLE PARKING SPACES MAY BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE AT A MINIMUM HEIGHT OF 36" FROM THE PARKING SPACE FINISHED GRADE, GROUND OR SIDEWALK. SEC 1129B.5
20. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN–ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY AND POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SEC 1129B.5
21. AN ADDITIONAL SIGN SHALL ALSO BE POSTED, IN A CONSPICUOUS PLACE, AT EACH ENTRANCE TO OFF–STREET PARKING FACILITIES, OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL BE NOT LESS THAN 17" BY 22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING: SEC 1129B.5

   "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT ____________ OR BY TELEPHONING ______________."

   NOTE: BLANK SPACES ARE TO BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.
22. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE A SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES: SEC 1129B.5. FIG 11B–18A, B & C.
   a. BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT; OR
   b. BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE ON BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36" HIGH BY 36" WIDE.

F. PASSENGER DROP–OFF & LOADING ZONES

(NOT APPLICABLE)

G. PEDESTRIAN GRADE SEPARATIONS

(NOT APPLICABLE)

H. ENTRANCES & EXITS

NOTE: EXITS IN EXCESS OF THOSE REQUIRED BY SECTION 1114B.2.1 AND WHICH ARE MORE THAN 24" ABOVE GRADE ARE NOT REQUIRED TO BE ACCESSIBLE. SUCH DOORS SHALL HAVE SIGNS WARNING THAT THEY ARE NOT ACCESSIBLE. WARNINGS SIGNS SHALL COMPLY WITH SECTION 1117B.5. SEC 1133B.1.1.1.1 EXC.2

1. FOR THE PURPOSES OF TITLE 24, THE USE OF THE TERM EXIT DOOR APPLIES TO ALL DOORS THAT PROVIDE ACCESS, THAT IS, ENTRANCES, PASSAGE DOORS, ETC.
2. ALL ENTRANCES AND ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES. SEC 1114B.1.3 & 1133B.1.1.1.1
3. REVOLVING DOORS SHALL NOT BE USED AS A REQUIRED ENTRANCE FOR PERSONS WITH DISABILITIES. SEC 1133B.2.3.
4. DURING PERIODS OF PARTIAL OR RESTRICTED USE OF A BUILDING OR FACILITY, THE ENTRANCES USED FOR PRIMARY ACCESS SHALL BE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES. SEC 1133B.1.1.1.2
5. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, OR ANY SPECIAL KNOWLEDGE OR EFFORT. SEC 1003.3.1.8
6. BARS, GRILLES, GRATES, OR SIMILAR DEVICES PLACED OVER EXIT DOORS, SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, OR ANY SPECIAL KNOWLEDGE OR OR EFFORT. SUCH BARS, GRILLES, GRATES, OR SIMILAR DEVICES SHALL BE EQUIPPED WITH AN APPROVED RELEASE DEVICE FOR USE BY THE FIRE DEPARTMENT ONLY, ON THE EXTERIOR SIDE FOR THE PURPOSE OF FIRE DEPARTMENT EMERGENCY ACCESS, WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION. SEC 1003.3.1.8
7. MANUALLY OPERATED EDGE– OR SURFACE–MOUNTED FLUSH BOLTS AND SURFACE BOLTS OR ANY OTHER TYPE OF DEVICE THAT MAY BE USED TO CLOSE OR RESTRAIN THE DOOR OTHER THAN BY OPERATION OF THE LOCKING DEVICE SHALL NOT BE USED. WHERE EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOORKNOB OR SURFACE–MOUNTED HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. SEC 1003.3.1.8
8. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH–PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. SEC 1133B.2.5.1
9. DOORS TO INDIVIDUAL HOTEL OR MOTEL UNITS SHALL OPERATE SIMILARLY TO THE REQUIREMENTS OF SEC 1133B.2.5.1, EXCEPT THAT WHEN BOLT AND UNLATCHING OPERATION IS KEY OPERATED FROM CORRIDOR OR EXTERIOR SIDE OF UNIT DOOR, LARGE BOW KEYS 2" (FULL BOW) OR 1–1/4" (HALF BOW) SHALL BE PROVIDED IN LIEU OF LEVER TYPE HARDWARE ON THE CORRIDOR SIDE. SEPARATE DEADLOCK ACTIVATION ON ROOM SIDE OF CORRIDOR DOORS IN HOTELS OR MOTELS SHALL HAVE LEVER HANDLE OR LARGE THUMB TURN IN AN EASILY REACHED LOCATION. SEC 1133B.2.5.1
10. HAND–ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE THE FLOOR. SEC 1133B.2.5.1
11. EVERY DOORWAY WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'–8" IN HEIGHT. WHEN INSTALLED, EXIT DOORS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE SO MOUNTED THAT THE CLEAR WIDTH OF THE EXIT IS NOT LESS THAN 32", MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP. SEC 1115B.4.1, 1133B.1.1.1.1 & 1003.3.1A. FIG 11B–5B & 11B–33.
12. WHERE A PAIR OF DOORS IS UTILIZED, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE LEAF POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. SEC 1133B.2.3.1
13. WHEN AN AUTOMATIC DOOR OPERATOR IS UTILIZED TO OPERATE A PAIR OF DOORS, AT LEAST ONE OF THE DOORS SHALL PROVIDE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. SEC 1133B.2.3.2
14. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. SEC 1133B.2.3. FIG 11B–33(A).
15. MINIMUM MANEUVERING CLEARANCES AT DOORS SHALL BE AS SHOWN IN FIG 11B–26A & B. THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR. SEC 1133B.2.4.2
16. THERE SHALL BE A LEVEL AND CLEAR FLOOR OR LANDING ON EACH SIDE OF A DOOR. THE LEVEL AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60" AND THE LENGTH OPPOSITE THE DIRECTION OF DOOR SWING OF 48" AS MEASURED AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN THE CLOSED POSITION. SEC 1115B.4.2, 1133B.2.4 & 1003.3.1.6A. FIG 11B–26A & B.
17. THE WIDTH OF THE LEVEL AREA ON THE SIDE TO WHICH THE DOOR SWINGS SHALL EXTEND A MINIMUM OF 24" PAST THE STRIKE EDGE OF THE DOOR FOR EXTERIOR DOORS AND A MINIMUM OF 18" PAST THE STRIKE EDGE FOR INTERIOR DOORS. SEC 1115B.4.2 & 1133B.2.4.3. FIG 11B–26A.
18. THE FLOOR OR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. SEC 1133B.2.4.1 & 1003.3.1.6.1A. FIG 11B–32.
19. THE SPACE BETWEEN TWO CONSECUTIVE DOOR OPENINGS IN A VESTIBULE, SERVING OTHER THAN A REQUIRED EXIT STAIRWAY, SHALL PROVIDE A MINIMUM OF 48" OF CLEAR SPACE FROM ANY DOOR OPENING INTO SUCH VESTIBULE WHEN THE DOOR IS POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. SEE FIGURES 11B–30 & 31 FOR DESIGN ALTERNATIVES. SEC 1133B.2.4.4
20. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. SEC 1133B.2.6. FIG 11B–29.
21. RECESSED DOORMATS SHALL BE ADEQUATELY ANCHORED TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC. SEC 1133B.1.1.1.3. FIG 11B–25.
22. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8–1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY TH APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS. SEC 1133B.2.5
23. ALL GATES, INCLUDING TICKET GATES, SHALL MEET ALL APPLICABLE SPECIFICATIONS FOR DOORS. SEC 1133B.1.1.1.4
24. WHERE TURNSTILES AND CROWD CONTROL BARRIERS AREA UTILIZED IN A FACILITY FOR THE PURPOSE OF PROVIDING FULLY CONTROLLED ACCESS, SUCH AS WHERE AN ADMISSION PRICE IS CHARGED, A DOOR OR GATE THAT IS ACCESSIBLE TO PERSONS WITH DISABILITIES SHALL PROVIDED ADJACENT TO EACH TURNSTILE EXIT OR ENTRANCE. THIS ALTERNATE PASSAGEWAY SHALL BE MAINTAINED IN AN UNLOCKED CONDITION DURING BUSINESS HOURS AND THE DOOR OR GATE SHALL NOT ACTIVATE A PUBLICLY AUDIBLE ALARM SYSTEM. THE DOOR OR GATE MAY BE LATCHED WHERE ALL GATES ARE RESTRICTED AND CONTROLLED BY AN ATTENDANT AND A SIGN IS POSTED STATING "ALL GATES ARE RESTRICTED AND CONTROLLED BY AN ATTENDANT". THE ACCESSIBLE DOOR OR GATE SHALL PROVIDE THE SAME USE PATTERN. WHERE POSTS, RAILS OR OTHER PEDESTRIAN CONTROLS ARE UTILIZED TO CREATE CROWD CONTROL AISLES OR LANES, A MINIMUM OR ONE LANE SHALL BE ACCESSIBLE AND SHALL PROVIDE A MINIMUM AISLE WIDTH NOT LESS THAN INDICATED IN FIG. 11B–5E(A) AND (B) WITH 32" OF CLEAR OPENING. SEC 1133B.2.3.4

I. EGRESS & AREAS FOR EVACUATION ASSISTANCE

(NOT APPLICABLE)

J. STAIRWAYS

1. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE, AND EVERY STAIRWAY REQUIRED TO BE MORE THAN 88" IN WIDTH SHALL BE PROVIDED WITH NOT LESS THAN ONE INTERMEDIATE HANDRAIL FOR EACH 88" OF REQUIRED WIDTH. INTERMEDIATE HANDRAILS SHALL BE SPACED APPROXIMATELY EQUALLY ACROSS THE ENTIRE WIDTH OF THE STAIRWAY. SEC 1003.3.3.6.1A
2. HANDRAILS SHALL BE 34" TO 38" ABOVE THE NOSING OF THE TREADS. SEC 1133B.4.2.1. FIG 11B–35
3. HANDRAILS SHALL EXTEND A MINIMUM OF 12" BEYOND THE TOP NOSING AND 12" PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING. SEC 1133B.4.2.2. FIG 11B–35 & 37
4. WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD, THE TERMINATION OF THE EXTENSION SHALL BE MADE EITHER ROUNDED OR RETURNED SMOOTHLY TO THE FLOOR, WALL OR POST. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING. SEC 1133B.4.2.4. FIG 11B–37
5. ENDS SHALL BE RETURNED OR TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. SEC 1133B.4.2.3. FIG 11B–35 & 37
6. THE HANDGRIP PORTION OF THE HANDRAILS SHALL BE NOT LESS THAN 1–1/4" NOR MORE THAN 1–1/2" IN CROSS SECTIONAL NOMINAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. THE HANDGRIP PORTION OF HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. GRIPPING SURFACES (TOP AND SIDES) SHALL BE UNINTERRUPTED BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS. ANY WALL OR OTHER SURFACE ADJACENT TO THE HANDRAIL SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8". SEC 1133B.4.2.6.1. FIG 11B–36
7. HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF 1–1/2" BETWEEN THE WALL AND THE HANDRAIL. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS A MAXIMUM OF 3" DEEP AND EXTENDS AT LEAST 18" ABOVE THE TOP OF THE RAIL. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS. SEC 1133B.4.2.5. FIG 11B–36
8. THE UPPER APPROACH AND THE LOWER TREAD OF EACH STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING TO ALERT VISUALLY IMPAIRED. THE STRIP SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. SEC 1133B.4.4. FIG 11B–35
9. WHERE STAIRWAYS OCCUR OUTSIDE A BUILDING, THE UPPER APPROACH AND ALL TREADS SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2" WIDE PLACED PARALLEL TO AND NOT MORE THAN 1" FROM THE NOSE OF THE STEP OR LANDING TO ALERT VISUALLY IMPAIRED. THE STRIP SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIP SHALL BE ACCEPTABLE. SEC 1133B.4.4. FIG 11B–35
10. ALL TREAD SURFACES SHALL BE SLIP–RESISTANT. WEATHER EXPOSED STAIRS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES. TREADS SHALL HAVE SMOOTH, ROUNDED, OR CHAMFERED EXPOSED EDGES, AND NO ABRUPT EDGES AT THE NOSING (LOWER FRONT EDGE). SEC 1133B.4.5.1. FIG 11B–35
11. THE NOSING SHALL NOT PROJECT MORE THAN 1–1/2" PAST THE FACE OF THE RISER BELOW. SEC 1133B.4.5.2. FIG 11B–35
12. OPEN RISERS ARE NOT PERMITTED. ON ANY GIVEN FLIGHT OF STAIRS, ALL STEPS SHALL HAVE A UNIFORM RISER HEIGHT AND UNIFORM TREAD WIDTHS CONSISTENT WITH SECTION 1133B.4. STAIR TREADS SHALL BE NO LESS THAN 11" DEEP, MEASURED FROM RISER TO RISER. RISERS SHALL BE SLOPED OR THE UNDERSIDE OF THE NOSING SHALL HAVE AN ANGLE NOT LESS THAN 60 DEGREES FROM THE HORIZONTAL. SEC 1133B.4.5.3. FIG 11B–35
13. APPROVED STAIRWAY IDENTIFICATION SIGNS SHALL BE LOCATED AT EACH FLOOR LEVEL IN ALL ENCLOSED STAIRWAYS IN BUILDINGS FOUR OR MORE STORIES IN HEIGHT, TWO OR MORE STORIES IN HEIGHT FOR DSA/AC REQUIREMENTS. THE SIGN SHALL IDENTIFY THE STAIRWAY, INDICATE WHETHER THERE IS ROOF ACCESS, THE FLOOR LEVEL, AND THE UPPER AND LOWER TERMINUS OF THE STAIRWAY. STAIRWAYS IN BUILDINGS THAT ARE OF TWO OR MORE STORIES IN HEIGHT MUST COMPLY WITH THE REQUIREMENTS OF SECTION 1117B.5.2. THE INFORMATION SHALL BE PRESENTED USING RAISED ARABIC NUMERALS AND RAISED BRAILLE SYMBOLS WHICH CONFORM TO SECTION 1117B.5.2. THE SIGN SHALL BE LOCATED 5' ABOVE THE FINISHED FLOOR. THE SIGN SHALL BE LOCATED IMMEDIATELY ADJACENT TO THE DOOR ON THE STRIKE SIDE. THE SIGN IS TO BE POSITIONED IN SUCH A MANNER AS TO PROVIDE UNINTERRUPTED VISIBILITY WHEN THE DOOR IS IN THE OPEN OR CLOSED POSITION. SEC 1133B.4.3

K. ELEVATORS

NOTE: IN BUILDINGS TWO OR MORE STORIES IN HEIGHT, SERVED BY AN ELEVATOR, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED BY CHAPTER–11, OR A BUILDING SERVED BY AN ELEVATOR REQUIRED FOR ACCESSIBILITY BY SECTION 101.17, ALL ELEVATORS PROVIDED SHALL ACCOMMODATE A WHEELCHAIR. SEC 1116B.1.1

1. PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND PROVISIONS SHALL BE MADE TO ASSURE THAT THEY REMAIN ACCESSIBLE AND USABLE AT ALL TIMES THE BUILDING IS OCCUPIED. SEC 1116B.1.16
2. THE CAR INSIDE SHALL ALLOW FOR THE TURNING OF A WHEELCHAIR. THE MINIMUM CLEAR DISTANCE BETWEEN WALLS OR BETWEEN WALL AND DOOR, EXCLUDING RETURN PANELS, SHALL BE NOT LESS THAN 80" BY 54" FOR CENTER OPENING DOORS, AND 68" BY 54" FOR SIDE–SLIDE OPENING DOORS. MINIMUM DISTANCE FROM WALL TO RETURN PANEL SHALL BE NOT LESS THAN 51". SEC 1116B.1.8. FIG 11B–40A.
3. MINIMUM CLEAR WIDTH FOR ELEVATOR DOORS SHALL BE 36". SEC 1116B.1.4
4. A HANDRAIL SHALL BE PROVIDED ON ONE WALL OF THE CAR, PREFERABLE THE REAR. THE RAILS SHALL BE SMOOTH AND THE INSIDE SURFACE AT LEAST 1–1/2" CLEAR OF THE WALLS AT A NOMINAL HEIGHT OF 32" ABOVE THE FLOOR. SEC 1116B.1.11.
5. THE CENTERLINE OF ELEVATOR FLOOR BUTTONS SHALL BE NOT HIGHER THAN 54" ABOVE THE FINISHED FLOOR FOR SIDE APPROACH AND 48" FOR FRONT APPROACH. SEC 1116B.1.8
6. FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATORS TO SHOW WHEN EACH CALL IS REGISTERED. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED. SEC 1116B.1.8
7. EXCEPT FOR PHOTO ELECTRIC TUBE BY–PASS SWITCHES, EMERGENCY CONTROLS, INCLUDING THE EMERGENCY STOP AND ALARM, SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2'–11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY, ONE SET MUST COMPLY WITH THESE HEIGHT REQUIREMENTS. SEC 1116B.1.8
8. THE CENTERLINE OF THE HALL CALL BUTTONS SHALL BE WITHIN 42" OF THE FLOOR. DIRECTION BUTTONS, EXCLUSIVE OF BORDER, SHALL BE A MINIMUM OF 3/4 INCH IN SIZE, RAISED, FLUSH OR RECESSED. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. HALL CALL BUTTONS SHALL BE INTERNALLY ILLUMINATED WITH A WHITE LIGHT OVER THE ENTIRE SURFACE OF THE BUTTON. DEPTH OF FLUSH OR RECESSED BUTTON WHEN OPERATED SHALL NOT EXCEED 3/8 INCH. SEC 1116B.1.13
9. THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4' ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2'–5" IN LENGTH. SEC 1116B.1.8.
10. IF THE TELEPHONE SYSTEM IS LOCATED IN A CLOSED COMPARTMENT, THE COMPARTMENT DOOR HARDWARE SHALL BE LEVER TYPE CONFORMING TO THE PROVISIONS OF SECTION 1004.3, TYPE OF LOCK OR LATCH. EMERGENCY INTERCOMMUNICATION SHALL NOT REQUIRE VOICE COMMUNICATION. SEC 1116B.1.8
11. THE MINIMUM ILLUMINATION AT THE CAR CONTROLS, THRESHOLD, AND THE LANDING WHEN THE CAR AND LANDING DOORS ARE OPEN SHALL NOT BE LESS THAN 5 FOOT–CANDLES. SEC 1116B.1.12
12. IDENTIFICATION FOR THE VISUALLY IMPAIRED SHALL BE AS FOLLOWS: SEC 1116B.1.9
   a. PASSENGER ELEVATOR CAR CONTROLS SHALL HAVE A MINIMUM DIMENSION OF 3/4" AND SHALL BE RAISED 1/8" ±1/32" ABOVE THE SURROUNDING SURFACE.
   b. CONTROL BUTTONS SHALL BE ILLUMINATED, SHALL HAVE SQUARE SHOULDERS, AND SHALL BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE.
   c. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY A 5/8" MINIMUM, CHARACTERS THAT CONFORM TO SECTION 1117B.5.5, OR STANDARD RAISED SYMBOL IMMEDIATELY TO THE LEFT OF THE CONTROL BUTTON.
   d. GRADE 2 BRAILLE THAT CONFORMS TO SECTION 1117B.5.6 SHALL BE LOCATED IMMEDIATELY BELOW THE NUMERAL, CHARACTER, OR SYMBOL.
   e. A MINIMUM CLEAR SPACE OF 3/8" OR OTHER SUITABLE MEANS OF SEPARATION SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS.
   f. THE RAISED CHARACTERS SHALL BE WHITE ON A BLACK BACKGROUND.
   g. CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE, BUT NOT BE LIMITED TO, DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP, AND TELEPHONE.
   h. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.
13. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE INDICATING TO THE PROSPECTIVE PASSENGER THE CAR ANSWERING THE CALL AND ITS DIRECTION OF TRAVEL AS FOLLOWS: SEC 1116B.1.14
   a. THE VISUAL SIGNAL FOR EACH DIRECTION SHALL BE A MINIMUM OF 2–1/2" HIGH BY 2–1/2" WIDE, AND VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTON.
   b. THE AUDIBLE SIGNAL SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION OR OF A CONFIGURATION WHICH DISTINGUISHES BETWEEN UP AND DOWN ELEVATOR TRAVEL.
   c. THE CENTERLINE OF THE FIXTURE SHALL BE LOCATED A MINIMUM OF 6 FEET IN HEIGHT FROM THE LOBBY FLOOR.
   d. THE USE OF IN–CAR LANTERNS, LOCATED IN OR ON THE CAR DOORJAMBS, VISIBLE FROM THE PROXIMITY OF THE HALL CALL BUTTONS AND CONFORMING TO THE ABOVE REQUIREMENTS SHALL, OR WILL BE ACCEPTABLE.
   e. THE USE OF ARROW SHAPES IS PREFERRED FOR VISIBLE SIGNALS.
14. PASSENGER ELEVATOR LANDING JAMBS ON ALL ELEVATOR FLOORS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY RAISED CHARACTERS THAT ARE A MINIMUM OF 2" IN HEIGHT AND CONFORM TO SEC. 1117B.5.5 AND GRADE 2 BRAILLE THAT CONFORMS TO SECTION 1117B.5.6 LOCATED 60" ON CENTRE ABOVE THE FLOOR ON THE JAMB PANELS ON BOTH SIDES OF THE DOOR SO THAT THEY ARE VISIBLE FROM WITHIN THE ELEVATOR.ON THE GRADE LEVEL, A RAISED FIVE POINTED STAR SHALL BE PLACED TO THE LEFT OF THE RAISED CHARACTER. THE OUTSIDE DIAMETER OF THE STAR SHALL BE 2 INCHES. BRAILLE SHALL BE PLACED BELOW THE CORRESPONDING RAISED CHARACTERS. SEC 1116B.1.15
15. THE ELEVATOR SHALL BE AUTOMATIC AND BE PROVIDED WITH A SELF–LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO THE FLOOR LANDINGS WITHIN A TOLERANCE OF PLUS OR MINUS 1/2 INCH UNDER NORMAL LOADING AND UNLOADING CONDITIONS. THIS SELF–LEVELING SHALL, WITHIN ITS ZONE, BE ENTIRELY AUTOMATIC AND INDEPENDENT OF THE OPERATING DEVICE AND SHALL CORRECT THE OVERTRAVEL OR UNDERTRAVEL. THE CAR SHALL ALSO BE MAINTAINED APPROXIMATELY LEVEL WITH THE LANDING, IRRESPECTIVE OF LOAD. THE CLEARANCE BETWEEN THE CAR PLATFORM SILL AND THE EDGE OF THE HOISTWAY LANDING SHALL BE NO GREATER THAN 1–1/4". SEC 1116B.1.2
16. DOORS CLOSED BY AUTOMATIC MEANS SHALL BE PROVIDED WITH A DOOR REOPENING DEVICE WHICH WILL FUNCTION TO STOP AND REOPEN A CAR DOOR AND ADJACENT HOISTWAY DOOR IN CASE THE CAR DOOR IS OBSTRUCTED WHILE CLOSING. THIS REOPENING DEVICE SHALL ALSO BE CAPABLE OF SENSING AN OBJECT OR PERSON IN THE PATH OF THE CLOSING DOOR WITHOUT REQUIRING CONTACT FOR ACTIVATION AT A NORMAL 5" AND 29" ABOVE THE FLOOR. DOOR REOPENING DEVICES SHALL REMAIN EFFECTIVE FOR A PERIOD OF NOT LESS THAN 20 SECONDS. AFTER SUCH AN INTERVAL THE DOORS MAY CLOSE IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI 17.1–86 OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) DOCUMENT ASME 17.1– 1990. SEC 1116B.1.5
17. THE MINIMUM ACCEPTABLE TIME FROM NOTIFICATION THAT A CAR IS ANSWERING A CALL (LANTERN AND AUDIBLE SIGNAL) UNTIL THE DOORS OF THE CAR START TO CLOSE SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

   $$T=D/(1.5\ FT/S)$$

   WHERE T IS THE TOTAL TIME IN SECONDS AND D IS THE DISTANCE FROM A POINT IN THE LOBBY OR LANDING AREA 60 INCHES DIRECTLY IN FRONT OF THE FARTHEST CALL BUTTON CONTROLLING THAT CAR TO THE CENTERLINE OF ITS HOISTWAY DOOR. FOR CARS WITH IN–CAR LANTERNS, T BEGINS WHEN THE LANTERN IS VISIBLE FROM THE VICINITY OF HALL CALL BUTTONS AND AN AUDIBLE SIGNAL IS SOUNDED. SEC 1116B.1.6
18. THE MINIMUM ACCEPTABLE TIME FOR DOORS TO REMAIN FULLY OPEN SHALL NOT BE LESS THAN 5 SECONDS. SEC 1116B.1.7

L. SPECIAL ACCESS (WHEELCHAIR) LIFTS

(NOT APPLICABLE)

M. CORRIDORS

1. THE WIDTH OF THE MEANS OF EGRESS SYSTEM OR ANY PORTION THEREOF SHALL BE BASED ON THE OCCUPANT LOAD SERVED PER SECTION 1003.2.3.2.
2. THE WIDTH OF CORRIDORS SHALL NOT BE LESS THAN 44" EXCEPT AS SPECIFIED HEREIN. CORRIDORS SERVING AN OCCUPANT LOAD OF LESS THAN 50 SHALL BE NOT LESS THAN 36" IN WIDTH.

N. FLOORS & LEVELS

NOTE: LEVEL AREA IS DEFINED AS "A SPECIFIED SURFACE THAT DOES NOT HAVE A SLOPE IN ANY DIRECTION EXCEEDING 1/4 INCH IN ONE FOOT FROM THE HORIZONTAL (2.083% GRADIENT)." SEC 1102B

1. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS, OR SPECIAL ACCESS LIFTS. SEC 1120B.1
2. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP–RESISTANT. SEC 1124B.1 & 1120B.2
3. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT. SEC 1124B.2. FIG 11B–5E(C).
4. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP NO STEEPER THAN 1 VERTICAL TO 2 HORIZONTAL SEC 1124B.2, 1133B.2.4.1 & 1003.3.1.6.1A. FIG 11B–5E(D).
5. CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP. SEC 1003.3.1.6.1A
6. IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, IT SHALL BE SECURELY ATTACHED; HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SEC 1124B.2. SEC 1124B.3. FIG 11B–7B(B).

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