ACCESSIBILITY NOTES cont.

O. SANITARY FACILITIES (GENERAL)

NOTE: FULLY DIMENSION ALL SANITARY FACILITIES AND FIXTURES, INCLUDING FLOOR DIMENSIONS AND FIXTURE ELEVATION DIMENSIONS.

1. SANITARY FACILITIES THAT SERVE BUILDINGS, FACILITIES OR PORTIONS OF BUILDINGS OR FACILITIES THAT ARE REQUIRED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES ARE REQUIRED TO BE ACCESSIBLE. SEC 1115B.1

2. WHERE FACILITIES ARE TO BE USED SOLELY BY SMALL CHILDREN, THE SPECIFIC HEIGHTS MAY BE ADJUSTED TO MEET THEIR ACCESSIBILITY NEEDS. SEE TABLE 1115B-1 (BELOW) FOR SUGGESTED MOUNTING HEIGHTS. SEC 1115B.3

   NOTE: THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES, RECOMMENDS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE RECOMMENDATIONS ARE BASED ON THE FEDERAL "RECOMMENDATIONS FOR ACCESSIBILITY FOR CHILDREN IN ELEMENTARY SCHOOL" AND OTHER RECOGNIZED PUBLICATIONS ON ACCESS FOR CHILDREN.

   A = ADULT DIMENSIONS (AGE 12 AND OVER)
   E = ELEMENTARY DIMENSIONS
   K = KINDERGARTEN AND PRE-SCHOOL DIMENSIONS

TABLE 1115B-1

	A	E	K
TOILET CENTERED FROM WALL	18" MAX.	15"*	12"*
TOILET SEAT HEIGHT	17"-19"	15"	10"-12"
GRAB BAR HEIGHT (SIDE)	33"	27"*	20"-22"
TOILET PAPER IN FRONT OF TOILET	12" MAX.	6" MAX.*	6" MAX.*
NAPKIN DISP. IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	29" MIN.	24" MIN.	19" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MAX.
URNAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	33" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"

* NOTE: DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP.

3. WHERE SEPARATE FACILITIES ARE PROVIDED FOR NON-DISABLED PERSONS OFEACH SEX, SEPARATE FACILITIES SHALL BE PROVIDED FOR PERSONS WITH DISABILITIES OF EACH SEX ALSO. WHERE UNISEX FACILITIES ARE PROVIDED FOR PERSONS WITHOUT DISABILITIES, AT LEAST ONE UNISEX FACILITY SHALL BE PROVIDED FOR PERSONS WITH DISABILITIES WITHIN CLOSE PROXIMITY TO THE NON-ACCESSIBLE FACILITY. SEC 1115B.2

4. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER. SEC 1115B.5

5. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK, 12" IN DIAMETER, WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER. SEC 1115B.5

6. GEOMETRIC (CIRCLE & TRIANGLE) SYMBOLS ON SANITARY FACILITY DOORS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. SEC 1115B.5

NOTE: SEE ALSO SECTION 1117B.5.9 FOR ADDITIONAL SIGNAGE REQUIREMENTS APPLICABLE TO SANITARY FACILITIES.

P. SINGLE ACCOMMODATION SANITARY FACILITIES

NOTE: SINGLE ACCOMMODATION SANITARY FACILITY IS DEFINED AS "A ROOM THAT HAS NOT MORE THAN ONE OF EACH TYPE OF SANITARY FIXTURE, IS INTENDED FOR USE BY ONLY ONE PERSON AT A TIME, HAS NO PARTITION AROUND THE TOILET, AND HAS A DOOR THAT CAN BE LOCKED ON THE INSIDE BY THE ROOM OCCUPANT. SEC 220

1. THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. SEC 1115B.7.2

2. THERE SHALL BE IN THE ROOM A CLEAR FLOOR SPACE OF AT LEAST 60" IN DIAMETER, OR A T-SHAPED SPACE COMPLYING WITH FIG 11B-12(A) OR (B). NO DOOR SHALL ENCROACH INTO THIS SPACE FOR MORE THAN 12" EXCEPT FOR THE PANEL DOOR TO ANY WATER CLOSET COMPARTMENT IF THERE IS ONE. SEC 1115B.7.2. FIG 11B-1A

3. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A MINIMUM 28" WIDE CLEAR SPACE FROM A FIXTURE OR A MINIMUM 32" WIDE CLEAR SPACE FROM A WALL AT ONE SIDE. THE OTHER SIDE SHALL PROVIDE 18" FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. A MINIMUM 48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. SEC 1115B.7.2. FIG 11B-1A

4. ALL DOORS, FIXTURES AND CONTROLS SHALL BE ON AN ACCESSIBLE ROUTE WITH A MINIMUM CLEAR WIDTH OF 36" EXCEPT AT DOORS. IF A PERSON IN A WHEELCHAIR MUST MAKE A TURN AROUND AN OBSTRUCTION, THE MINIMUM CLEAR WIDTH OF THE ACCESSIBLE ROUTE SHALL BE SHOWN IN FIG 11B-5E. SEC 1115B.7.2.

Q. MULTIPLE ACCOMMODATION SANITARY FACILITIES

NOTE: MULTIPLE ACCOMMODATION SANITARY FACILITY IS DEFINED AS "A ROOM THAT HAS MORE THAN ONE SANITARY FIXTURE, IS INTENDED FOR THE USE OF MORE THAN ONE PERSON AT A TIME, AND WHICH IS USUALLY PROVIDED WITH PRIVACY COMPARTMENTS OR SCREENS SHIELDING SOME FIXTURES FROM VIEW". SEC 214

1. A CLEAR SPACE MEASURED FROM THE FLOOR TO A HEIGHT OF 27" ABOVE THE FLOOR, WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60", OR A CLEAR SPACE 56"X63" IN SIZE, SHALL BE PROVIDED FOR WHEELCHAIR MANEUVERING. DOORS OTHER THAN THE DOOR TO THE ACCESSIBLE TOILET COMPARTMENT IN ANY POSITION MAY ENCROACH INTO THIS SPACE BY NOT MORE THAN 12" SEC 1115B.7.1.1. FIG 11B-1B

2. DOORS SHALL NOT SWING INTO THE FLOOR SPACE REQUIRED FOR ANY FIXTURE. SEC 1115B.7.2

3. A WATER CLOSET FIXTURE LOCATED IN A COMPARTMENT SHALL PROVIDE A MINIMUM 28" WIDE CLEAR SPACE FROM A FIXTURE OR A MINIMUM 32" WIDE CLEAR SPACE FROM A WALL AT ONE SIDE OF THE WATER CLOSET. THE OTHER SIDE OF THE WATER CLOSET SHALL PROVIDE 18" FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. GRAB BARS SHALL NOT PROJECT MORE THAN 3" INTO THESE CLEAR SPACES. SEC 1115B.7.1.3. FIG 11B-1B

4. A MINIMUM 48" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END OPENING DOOR (FACING THE WATER CLOSET) AND A MINIMUM OF 60" LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS A DOOR LOCATED AT THE SIDE. GRAB BARS SHALL NOT PROJECT MORE THAN 3" INTO THESE CLEAR SPACES. SEC 1115B.7.1.3. FIG 11B-1A & B

5. WATER CLOSET COMPARTMENTS SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32" WHEN LOCATED AT THE END AND 34" WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM IT'S CLOSED POSITION. SEC 1115B.7.1.4. FIG 11B-1A & B.

6. WHEN STANDARD COMPARTMENT DOORS ARE USED, WITH A MINIMUM 9" CLEARANCE FOR FOOTRESTS UNDERNEATH AND A SELF-CLOSING DEVICE, CLEARANCE AT THE STRIKE EDGE AS SPECIFIED IN SECTION 1133B.2.4.3 IS NOT REQUIRED. SEC 1115B.7.1.4

7. THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING, OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. SEC 1115B.7.1.4

8. EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS NOT LESS THAN 44" SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48" AS MEASURED AT A RIGHT ANGLE TO COMPARTMENT DOOR IN ITS CLOSED POSITION. SEC 1115B.7.1.4. FIG 11B-1B.

8. EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS NOT LESS THAN 44" SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL BE NOT LESS THAN 48" AS MEASURED AT A RIGHT ANGLE TO COMPARTMENT DOOR IN ITS CLOSED POSITION. SEC 1115B.7.1.4. FIG 11B-1B.

9. WHERE SIX OR MORE STALLS ARE PROVIDED WITHIN A MULTIPLE ACCOMMODATION TOILET ROOM, IN ADDITION TO THE STANDARD ACCESSIBLE STALL REQUIRED ABOVE, AT LEAST ONE ADDITIONAL STALL SHALL BE PROVIDED WITH A WIDTH OF 36" WITH AN OUTWARD SWINGING SELF-CLOSING DOOR AND PARALLEL GRAB BARS COMPLYING WITH SECTIONS 1115B.8.2 THROUGH 1115B.8.4. SEC 1115B.7.1.5

R. SANITARY FACILITY FIXTURES & ACCESSORIES

1. THE HEIGHT OF ACCESSIBLE WATER CLOSETS SHALL BE A MINIMUM OF 17" AND A MAXIMUM OF 19" MEASURED TO THE TOP OF A MAXIMUM 2" HIGH TOILET SEAT, EXCEPT THAT 3" SEATS SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15" HIGH. SEC 1502

2. A CLEAR FLOOR SPACE 30"X48" SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. SEC 1115B.9.1.1. FIG 11B-1B

3. LAVATORIES, WHEN LOCATED ADJACENT TO A SIDE WALL OR PARTITION SHALL BE A MINIMUM OF 18" TO THE CENTERLINE OF THE FIXTURE. SEC 1504.2.1. FIG 11B-1A

4. ALL LAVATORIES THAT ARE DESIGNATED TO BE ACCESSIBLE SHALL BE MOUNTED WITH THE RIM OR COUNTER EDGE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR AND WITH A VERTICAL CLEARANCE MEASURED FROM THE BOTTOM OF THE APRON OR OUTSIDE BOTTOM EDGE OF THE LAVATORY OF 29", REDUCING TO 27" AT A POINT LOCATED 8" BACK FROM THE FRONT EDGE. KNEE CLEARANCE BELOW THE LAVATORY SHALL EXTEND TO A MINIMUM OF 30" IN WIDTH BY 17" IN DEPTH. TOE CLEARANCE SHALL BE THE SAME WIDTH AND SHALL BE A MINIMUM OF 9" FROM THE FLOOR AND A MINIMUM OF 17" DEEP FROM THE FRONT OF THE LAVATORY. SEC 1504.2.1.

5. HOT WATER AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE LAVATORIES. SEC 1504.2.2.

6. WHERE URINALS ARE PROVIDED AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30" BY 48" IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH. SEC 1115B.9.4

7. URINALS SHALL BE FLOOR MOUNTED OR WALL HUNG. WHERE ONE OR MORE WALL HUNG URINALS ARE PROVIDED AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14" FROM THE WALL AND AT A MAXIMUM OF 17" ABOVE THE FLOOR SHALL BE PROVIDED. SEC 1503.2.1

8. CONTROLS FOR WATER CLOSET FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS. SEC 1502

9. WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR. SEC 1502, 1503.2.2 & 1504.2.1

10. THE FORCE REQUIRED TO ACTIVATE WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE NOT GREATER THAN 5LBF. ELECTRONIC OR AUTOMATIC FLUSHING CONTROLS ARE ACCEPTABLE AND PREFERABLE. SEC 1502, 1503.2.2 & 1504.2.1

11. SELF-CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. SEC 1504.2.1

12. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE NO HIGHER THAN 40" FROM THE FLOOR. SEC 1115B.9.1.2

13. WHERE TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING THE COIN SLOTS, 40" FROM THE FINISHED FLOOR. SEC 1115B.9.2

14. TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12" OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19" FROM THE FLOOR. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. SEC 1115B.9.3. FIG 11B-1A

15. TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL WHICH EXTENDS UPWARD ONTO THE WALLS AT LEAST 5". WALLS WITHIN WATER CLOSET COMPARTMENTS AND WALLS WITHIN 24" OF THE FRONT AND SIDE OF URINALS SHALL BE SIMILARLY FINISHED TO A HEIGHT OF 48" AND, EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE WHICH IS NOT ADVERSELY AFFECTED BY MOISTURE. SEC 1115B.9.5

S. GRAB BARS

1. GRAB BARS SHALL BE LOCATED ON EACH SIDE, OR ON ONE SIDE AND THE BACK OF THE ACCESSIBLE TOILET STALL OR COMPARTMENT. SEC 1115B.8.1. FIG 11B-1A, B & C

2. GRAB BARS AT THE SIDES SHALL BE AT LEAST 42" LONG WITH THE FRONT END POSITIONED 24" IN FRONT OF THE WATER CLOSET STOOL AND WITH THE BACK END POSITIONED NO MORE THAN 12" FROM THE REAR WALL. GRAB BARS AT THE BACK SHALL BE NOT LESS THAN 36" LONG. SEC 1115B.8.1. FIG 11B-1A, B & C

3. GRAB BARS SHALL BE SECURELY ATTACHED 33" ABOVE AND PARALLEL TO THE FLOOR, EXCEPT THAT WHERE A TANK-TYPE TOILET IS USED WHICH OBSTRUCTS PLACEMENT AT 33", THE GRAB BAR MAY BE AT A HEIGHT OF 36". SEC 1115B.8.1. FIG 11B-1A

4. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4" TO 1-1/2" OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2". SEC 1115B.8.2. FIG 11B-1C

5. THE STRUCTURAL STRENGTH OF GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL MEET THE FOLLOWING SPECIFICATIONS. SEC 1115B.8.3

   a. BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT. SEC 1115B.8.3.1

   b. SHEAR STRESS INDUCED IN A GRAB BAR OR SEAT BY THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT, AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS. SEC 1115B.8.3.2

   c. SHEAR FORCE INDUCED IN FASTENER OR MOUNTING DEVICES FROM THE APPLICATION OF A 250-LB POINT LOAD SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER HAS THE SMALLER ALLOWABLE LOAD. SEC 1115B.8.3.3

   d. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF A 250-LB POINT LOAD, PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF A 250-LB POINT LOAD, SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND SUPPORTING STRUCTURE. SEC 1115B.8.3.4

   e. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. SEC 1115B.8.3.5

6. A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF AN 1/8". SEC 1115B.8.4

T. BATHING FACILITIES & LOCKERS

1. WHERE FACILITIES FOR BATHING ARE PROVIDED FOR THE PUBLIC, CLIENTS, OR EMPLOYEES, INCLUDING SHOWERS, BATHTUBS OR LOCKERS, AT LEAST ONE SUCH FACILITY, AND NOT LESS THAN 1% OF ALL FACILITIES SHALL BE MADE ACCESSIBLE. SEC 1115B.6 2.

2. PROVIDE A CLEAR FLOOR SPACE ADJACENT TO BATHTUB WITH MINIMUM DIMENSIONS AS INDICATED IN FIG 11B-8 SEC 1115B.6.1.1.

3. PROVIDE GRAB BARS FOR BATHTUBS WHICH COMPLY WITH SECTION 1115B.8.2 THROUGH 1115B.8.4. SEC 1115B.6.1.3. FIG 11B-9A & 9B

4. BATHTUBS SHALL BE PROVIDED WITH A SHOWER SPRAY UNIT HAVING A HOSE AT LEAST 60" LONG THAT CAN BE USED AS A FIXED SHOWER HEAD OR AS A HAND-HELD SHOWER. SEC 1115B.6.1.5 & 1506. FIG 11B-9B.

5. PROVIDE AN IN-TUB SEAT OR A SEAT AT THE HEAD END OF BATHTUBS WHICH IS MOUNTED SECURELY, DOES NOT SLIP DURING USE, AND IS DESIGNED, INCLUDING ATTACHMENTS, TO MEET THE REQUIREMENTS OF SECTION 1115B.8.3. SEC 1115B.6.1.2. FIG 11B-8 & 9B.

6. FAUCETS AND OTHER CONTROLS FOR BATHTUBS SHALL BE LOCATED BETWEEN TOP OF TUB AND GRAB BAR, SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. SEC 1115B.6.1.4. FIG 11B-9B.

7. IF PROVIDED, ENCLOSURES FOR BATHTUBS SHALL NOT OBSTRUCT CONTROLS OR TRANSFER FROM WHEELCHAIRS ONTO BATHTUB SEATS OR INTO TUBS. ENCLOSURES ON BATHTUBS SHALL NOT HAVE TRACKS MOUNTED ON THEIR RIMS. SEC 1115B.6.1.6 & 1506

8. SHOWERS SHALL BE EITHER 60" MINIMUM IN WIDTH BETWEEN WALL SURFACES AND 30" MINIMUM IN DEPTH WITH A FULL OPENING WIDTH ON THE LONG SIDE, OR 42" IN WIDTH BETWEEN WALL SURFACES AND 48" MINIMUM IN DEPTH WITH AN ENTRANCE OPENING OF 42". AS AN ALTERNATIVE, SHOWERS 60" MINIMUM IN WIDTH MAY BE 36" MINIMUM IN DEPTH AS LONG AS THE ENTRANCE OPENING WIDTH IS A MINIMUM OF 36" SEC 1115B.6.2.1. FIG 11B-2A, 2B & 2D.

9. THE MAXIMUM SLOPE OF THE FLOOR SHALL BE 2% IN ANY DIRECTION. WHERE DRAINS ARE PROVIDED, GRATE OPENINGS SHALL BE A MAXIMUM OF 1/4" AND LOCATED FLUSH WITH THE FLOOR SURFACE. FOR DRAIN LOCATION, SEE FIGURES 11B-2A, 2B & 2D. SEC 1115B6.2.4.4

10. WHEN A THRESHOLD OR RECESSED DROP IS PERMITTED, AT COMPARTMENT SHOWERS, IT SHALL BE A MAXIMUM OF 1/2" IN HEIGHT AND SHALL BE BEVELED OR SLOPED AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE HORIZONTAL. SEC 1115B.6.2.2. FIG 11B-2A & 2B.

11. THE FOLLOWING COMPARTMENT SHOWER ACCESSORIES SHALL BE PROVIDED:

   a. A FOLDING SEAT, MOUNTED 18" ABOVE THE FLOOR, AND WITH A MINIMUM SPACE OF 1" AND A MAXIMUM SPACE OF 1-1/2" ALLOWED BETWEEN THE EDGE OF THE SEAT SEAT AND ANY WALL. WHEN FOLDED, THE SEAT SHALL NOT EXTEND MORE THAN 6" FROM THE MOUNTING WALL. SEE FIG. 11B-2A, 2B & 2D FOR SEAT SIZE AND CONFIGURATION. SEC 1115B.6.2.4.5.1. FIG 11B-2A, 2B & 2D

   b. AN L-SHAPED GRAB BAR MOUNTED BETWEEN A MINIMUM OF 33" AND A MAX. OF 36" ABOVE THE SHOWER FLOOR AND MOUNTED ON WALLS OPPOSITE AND ADJACENT TO THE FRONT EDGE OF THE SEAT, BUT NOT EXTENDED TO INCLUDE THAT PORTION OF THE WALL OVER THE LONG SIDE OF THE SEAT. SEC 1115B.6.2.4.5.2. FIG 11B-2A, 2B & 2D

   c. GRAB BARS COMPLYING WITH THE DIAMETER, LOADING, AND PROJECTION REQUIREMENTS OF SECTIONS 1115B.8.2 THROUGH 1115B.8.4. SEC 1115B.6.2.4.5.2

   d. WATER CONTROLS OF A SINGLE LEVER DESIGN LOCATED ON THE SIDE WALL OF THE SHOWER ADJACENT TO THE SEAT AND MOUNTED AT 40" ±1" ABOVE THE SHOWER FLOOR AND WITH THE CENTERLINE OF THE CONTROLS WITHIN A REACH RANGE OF NO LESS THAN 18" AND NO MORE THAN 24" FROM THE REAR EDGE OF THE SEAT. THE CONTROLS SHALL BE OPERABLE WITH A MAXIMUM FORCE OF 5PLF. SEC 1115B.6.2.4.1. FIG 11B-2A, 2B & 2D

   e. A SOAP DISH, WHEN PROVIDED, LOCATED ON THE CONTROL WALL AT A MAXIMUM HEIGHT OF 40" ABOVE THE SHOWER FLOOR AND WITHIN REACH LIMITS FROM THE SEAT. SEC 1115B.6.2.4.6

   f. A FLEXIBLE HAND-HELD SHOWER UNIT WITH A HOSE AT LEAST 60" LONG PROVIDED WITHIN REACH RANGE OF THE SEAT AT A DISTANCE NOT TO EXCEED 27" HORIZ., MEASURED FROM THE REAR SEAT EDGE TO THE CENTERLINE OF THE MOUNTING BRACKET. THIS UNIT SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 48" ±1" ABOVE THE SHOWER FLOOR. SEC 1115B.6.2.4.2 & 1505.2. FIG 11B-2A & 2B

12. THE FOLLOWING OPEN SHOWER ACCESSORIES SHALL BE PROVIDED:

   a. A FOLDING SEAT, MOUNTED 18" ABOVE THE FLOOR, AND WITH A MINIMUM SPACE OF 1" AND A MAXIMUM SPACE OF 1-1/2" ALLOWED BETWEEN THE EDGE OF THE SEAT SEAT AND ANY WALL. WHEN FOLDED, THE SEAT SHALL NOT EXTEND MORE THAN 6" FROM THE MOUNTING WALL. SEE FIG. 11B-2C FOR SEAT SIZE AND CONFIGURATION. SEC 1115B.6.2.4.5.1 & 1115B.6.3. FIG 11B-2C

   b. THE SHOWER LOCATED IN A CORNER WITH AN L-SHAPED OR TWO GRAB BARS, A MINIMUM OF 24" IN LENGTH AND A MINIMUM OF 36" IN LENGTH, WITH THE 36" GRAB BAR LOCATED ON THE WALL HAVING THE SHOWER HEAD & CONTROLS, BUT NOT EXTENDED TO INCLUDE THAT PORTION OF THE WALL OVER THE LONG SIDE OF THE SEAT. GRAB BARS SHALL BE MOUNTED BETWEEN A MINIMUM OF 33" AND A MAXIMUM OF 36" ABOVE THE SHOWER FLOOR. SEC 1115B.6.2.4.5.2 &1115B.6.3. FIG 11B-2C

   c. GRAB BARS COMPLYING WITH THE DIAMETER, LOADING, AND PROJECTION REQUIREMENTS OF SECTIONS 1115B.8.2 THROUGH 1115B.8.4. SEC 1115B.6.2.4.5.2

   d. WATER CONTROLS OF A SINGLE LEVER DESIGN LOCATED ON THE SIDE WALL OF THE SHOWER ADJACENT TO THE SEAT AND MOUNTED AT 40" ±1" ABOVE THE SHOWER FLOOR AND WITH THE CENTERLINE OF THE CONTROLS WITHIN A REACH RANGE OF NO LESS THAN 18" AND NO MORE THAN 24" FROM THE REAR EDGE OF THE SEAT. THE CONTROLS SHALL BE OPERABLE WITH A MAXIMUM FORCE OF 5PLF. SEC 1115B.6.2.4.1 & 1505.1. FIG 11B-2C

   e. A SOAP DISH, WHEN PROVIDED, LOCATED ON THE CONTROL WALL AT A MAXIMUM HEIGHT OF 40" ABOVE THE SHOWER FLOOR AND WITHIN REACH LIMITS FROM THE SEAT. SEC 1115B.6.2.4.6

   f. A FLEXIBLE HAND-HELD SHOWER UNIT WITH A HOSE AT LEAST 60" LONG PROVIDED WITHIN REACH RANGE OF THE SEAT AT A DISTANCE NOT TO EXCEED 27" HORIZ., MEASURED FROM THE REAR SEAT EDGE TO THE CENTERLINE OF THE MOUNTING BRACKET. THIS UNIT SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 48" ±1" ABOVE THE SHOWER FLOOR. SEC 1115B.6.2.4.2 & 1505.2. FIG 11B-2C

13. SHOWERS SHALL BE FINISHED WITH A SMOOTH, HARD, NON-ABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CONCRETE, CERAMIC TILE OR OTHER APPROVED MATERIAL TO A HEIGHT OF NOT LESS THAN 70" ABOVE THE DRAIN INLET. MATERIALS OTHER THAN STRUCTURAL ELEMENTS USED IN SUCH WALLS SHALL BE OF A TYPE WHICH IS NOT ADVERSELY AFFECTED BY MOISTURE. SEC 1115B.9.6

14. WHERE, WITHIN THE SAME FUNCTIONAL AREA, TWO OR MORE ACCESSIBLE SHOWERS ARE PROVIDED, THERE SHALL BE AT LEAST ONE SHOWER CONSTRUCTED OPPOSITE HAND FROM THE OTHER OR OTHERS (I.E., ONE LEFT HAND CONTROL VS. RIGHT HAND CONTROL). SEC 1115B.6.2.3 & 1505.4

15. EXCEPT WITHIN GUEST ROOMS AND SUITES IN HOTELS, MOTELS, AND SIMILAR TRANSIENT LODGING ESTABLISHMENTS, WHERE ACCESSIBLE SHOWER FACILITIES ARE PROVIDED IN AREAS SUBJECT TO EXCESSIVE VANDALISM, IN LIEU OF PROVIDING THE FIXED FLEXIBLE HOSE, TWO WALL MOUNTED SHOWER HEADS SHALL BE INSTALLED. EACH SHOWER HEAD SHALL BE CONTROLLED SO THAT IT CAN BE OPERATED INDEPENDENTLY OF THE OTHER AND SHALL THE HAVE SWIVEL ANGLE ADJUSTMENTS, BOTH VERTICALLY AND HORIZONTALLY. ONE SHOWER HEAD SHALL BE LOCATED AT A HEIGHT OF 48" ±1" ABOVE THE FLOOR. SEC 1115B.6.2.4.3 & 1505.3

16. ENCLOSURES, WHEN PROVIDED FOR SHOWER STALLS, SHALL NOT OBSTRUCT TRANSFER FROM WHEELCHAIRS ONTO SHOWER SEATS. SEC 1115B.6.2.5

17. DOORS AND PANELS OF SHOWER AND BATHTUB ENCLOSURES SHALL BE SUBSTANTIALLY CONSTRUCTED FROM APPROVED, SHATTER-RESISTANT MATERIALS. HINGED SHOWER DOORS SHALL OPEN OUTWARD. SEC 1115B.9.7

18. GLAZING USED IN DOORS AND PANELS OF SHOWER AND BATHTUB ENCLOSURES SHALL BE FULLY TEMPERED, LAMINATED SAFETY GLASS, OR APPROVED PLASTIC. WHEN GLASS IS USED, IT SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN 1/8" WHEN FULLY TEMPERED, OR 1/4" WHEN LAMINATED, AND SHALL PASS THE TEST REQUIREMENTS OF UBC STANDARD NO. 24-2. SEC 1115B.9.8

19. PLASTICS USED IN DOORS AND PANELS OF SHOWERS AND BATHTUB ENCLOSURES SHALL BE OF A SHATTER-RESISTANT TYPE. SEC 1115B.9.9

20. AT LEAST ONE AND NOT LESS THAN 1% OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES, INCLUDING CLEAR SPACE, REACH RANGE REQUIREMENTS, AND A PATH OF TRAVEL NOT LESS THAN 36" IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS. SEC 1115B.6.4

U. DRINKING FOUNTAINS

1. IN NEW CONSTRUCTION, WHERE ONLY ONE DRINKING FOUNTAIN AREA IS PROVIDED ON A FLOOR, THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEELCHAIRS IN ACCORDANCE WITH PLUMBING CODE 1507 AND ONE ACCESSIBLE TO THOSE WHO HAVE DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMMODATED BY THE USE OF A HI-LOW FOUNTAIN OR BY SUCH OTHER MEANS AS WOULD ACHIEVE THE REQUIRED ACCESSIBILITY FOR EACH GROUP ON EACH FLOOR. SEC 1117B.1.1

2. DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE ALCOVE IN WHICH THE WATER FOUNTAIN IS LOCATED SHALL BE NOT LESS THAN 32" IN WIDTH AND 18" IN DEPTH. SEC 1117B.1.2. FIG 11B-3.

3. DRINKING FOUNTAINS SHALL BE A MINIMUM OF 18" IN DEPTH AND THERE SHALL BE A CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27" IN HEIGHT AND 8" IN DEPTH, THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN. SEC 1507.3.1. FIG 11B-3.

4. THERE SHALL BE TOE CLEARANCE OF 9" IN HEIGHT ABOVE THE FLOOR, AND 17" IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. SEC 1507.3.1

5. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE. SEC 1507.3.1

6. THE DRINKING FOUNTAIN BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM NOT REQUIRING A FORCE GREATER THAN 5LBF., THAT IS LOCATED WITHIN 6" OF THE FRONT OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE (PREFERABLY). SEC 1507.3.3. FIG 11B-3.

7. THE BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 6" OF THE FRONT EDGE OF THE DRINKING FOUNTAIN AND WITHIN 36" OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN. SEC 1507.3.3. FIG 11B-3.

8. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH SO AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. SEC 1507.3.4

V. PUBLIC TELEPHONES

1. IF PUBLIC TELEPHONES ARE PROVIDED, THEY SHALL BE MADE ACCESSIBLE TO THE EXTENT REQUIRED BY THE FOLLOWING TABLE: SEC 1117B.2.1

# OF EACH TYPE OF TELEPHONE PROVIDED ON EACH FLOOR	MINIMUM # OF TELEPHONES REQUIRED TO COMPLY WITH 1117B.2*
1 OR MORE SINGLE UNITS	1 OR AT LEAST 50% OF TELEPHONE UNITS PER FLOOR
1 TELEPHONE BANK	1 OR AT LEAST 50% OF TELEPHONE UNITS PER BANK
2 OR MORE BANKS	1 OR AT LEAST 50% OF TELEPHONE UNITS PER BANK...AT LEAST 1 TELEPHONE PER FLOOR SHALL MEET THE REQUIREMENTS FOR A FORWARD REACH TELEPHONE

* ADDITIONAL PUBLIC TELEPHONES MAY BE INSTALLED AT ANY HEIGHT

2. A CLEAR FLOOR OR GROUND SPACE AT LEAST 30" BY 48" THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT TELEPHONES. SEC 1117B.2.2. FIG 11B-4.

3. BASES, ENCLOSURES AND FIXED SEATS SHALL NOT IMPEDE APPROACHES TO TELEPHONES BY PEOPLE WHO USE WHEELCHAIRS. SEC 1117B.2.5

4. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE WITHIN 48" OF THE FLOOR IF FORWARD APPROACHED AND 54" IF SIDE APPROACHED. SEC 1117B.2.6. FIG 11B-4.

5. TELEPHONES MOUNTED DIAGONALLY IN A CORNER THAT REQUIRE WHEELCHAIR USERS TO REACH DIAGONALLY SHALL HAVE THE HIGHEST OPERABLE PART NO HIGHER THAN 54" ABOVE THE FLOOR. SEC 1117B.2.6. FIG 11B-4.

6. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE AT LEAST 29" LONG. SEC 1117B.2.11

7. TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE. SEC 1117B.2.10

8. IF TELEPHONE ENCLOSURES ARE PROVIDED, THEY SHALL COMPLY WITH THE FOLLOWING: SEC 1117B.2.7

   a. FOR SIDE APPROACH TELEPHONES, THE ENCLOSURE OVERHANG SHALL BE NO GREATER THAN 19" AND THE HEIGHT OF THE LOWEST OVERHANGING PART SHALL BE EQUAL TO OR GREATER THAN 27". SEC 1117B.2.7.1. FIG 11B-4(A).

   b. FOR FORWARD APPROACH TELEPHONES, IF THE ENCLOSURE OVERHANG IS GREATER THAN 12", THE CLEAR WIDTH OF THE ENCLOSURE SHALL BE 30" MINIMUM; IF THE CLEAR WIDTH OF THE ENCLOSURE IS LESS THAN 30", THE HEIGHT OF THE LOWEST OVERHANGING PART SHALL BE EQUAL TO OR GREATER THAN 27". SEC 1117B.2.7.3. FIG 11B-4(C).

   c. ENTRANCES TO FULL-HEIGHT ENCLOSURES SHALL BE 30" MINIMUM. SEC 1117B.2.7.2. FIG 11B-4(B).

   d. WHERE TELEPHONE ENCLOSURES PROTRUDE INTO WALLS, HALLS, CORRIDORS OR AISLES, THEY SHALL COMPLY WITH SECTION 1121B. SEC 1117B.2.7.4

9. TELEPHONES SHALL BE EQUIPPED WITH A RECEIVER THAT GENERATES A MAGNETIC FIELD IN THE AREA OF THE RECEIVER CAP. IF BANKS OF PUBLIC TELEPHONES ARE PROVIDED, AT LEAST ONE IN EACH BANK AND A TOTAL OF AT LEAST 25% OF THE TOTAL NUMBER OF PUBLIC TELEPHONES, INCLUDING CLOSED CIRCUIT TELEPHONES IN A BUILDING OR FACILITY, SHALL BE EQUIPPED WITH A VOLUME CONTROL. SUCH TELEPHONES SHALL BE CAPABLE OF A MINIMUM OF 12 DBA AND MAXIMUM OF 18 DBA ABOVE NORMAL. IF AN AUTOMATIC RESET IS PROVIDED, 18 DBA MAY BE EXCEEDED. PUBLIC TELEPHONES WITH VOLUME CONTROL SHALL BE HEARING AID COMPATIBLE AND SHALL BE IDENTIFIED BY A SIGN CONTAINING A DEPICTION OF A TELEPHONE HANDSET WITH RADIATING SOUND WAVES. SEC 1117B.2.8

10. IF A TOTAL OF FOUR OR MORE PUBLIC PAY TELEPHONES ARE PROVIDED AT THE INTERIOR AND EXTERIOR OF A SITE, AND IF AT LEAST ONE OF THE TOTAL IS IN AN INTERIOR LOCATION, THEN AT LEAST ONE INTERIOR PUBLIC TEXT TELEPHONE SHALL BE PROVIDED. SEC 1117B.2.9.1

11. TEXT TELEPHONES SHALL COMPLY WITH THE FOLLOWING: SEC 1117B.2.9.2

   a. TEXT TELEPHONES USED WITH A PAY TELEPHONE SHALL BE PERMANENTLY AFFIXED WITHIN OR ADJACENT TO THE TELEPHONE ENCLOSURE. IF AN ACOUSTIC COUPLER IS USED, THE TELEPHONE CORD SHALL BE SUFFICIENTLY LONG TO ALLOW CONNECTION OF THE TEXT TELEPHONE AND TELEPHONE RECEIVER. SEC 1117B.2.9.2.1

   b. PAY TELEPHONES DESIGNED TO ACCOMMODATE A PORTABLE TEXT TELEPHONE SHALL BE EQUIPPED WITH A SHELF AND AN ELECTRICAL OUTLET WITHIN OR ADJACENT TO THE TELEPHONE ENCLOSURE. THE TELEPHONE HANDSET SHALL BE CAPABLE OF BEING PLACED FLUSH ON THE SURFACE OF THE SHELF. THE SHELF SHALL BE CAPABLE OF ACCOMMODATING A TEXT TELEPHONE AND SHALL HAVE 6" MINIMUM VERTICAL CLEARANCE IN THE AREA WHERE THE TEXT TELEPHONE IS TO BE PLACED. SEC 1117B.2.9.2.2

   c. EQUIVALENT FACILITATION MAY BE SUBSTITUTED FOR THE ABOVE REQUIREMENTS AS DESCRIBED IN SECTION 1117B.2.9.2 SEC 1117B.2.9.2.3

   d. TEXT TELEPHONES SHALL BE IDENTIFIED BY THE INTERNATIONAL TDD SYMBOL (SEE FIGURE 11B-14). IF A FACILITY HAS A PUBLIC TEXT TELEPHONE, DIRECTIONAL SIGNAGE INDICATING THE LOCATION OF THE NEAREST SUCH TELEPHONE SHALL BE PLACED ADJACENT TO ALL BANKS OF TELEPHONES THAT DO NOT CONTAIN A TEXT TELEPHONE. SUCH DIRECTIONAL SIGNAGE SHALL INCLUDE THE INTERNATIONAL TDD SYMBOL. IF A FACILITY HAS NO BANKS OF TELEPHONES, THE DIRECTIONAL SIGNAGE SHALL BE PROVIDED AT THE ENTRANCE OR IN A BUILDING DIRECTORY. SEC 1117B.2.9.3

12. IF TELEPHONE BOOKS ARE PROVIDED, THEY SHALL BE LOCATED WITHIN 48" OF THE FLOOR IF FORWARD APPROACHED AND WITHIN 54" IF SIDE APPROACHED. SEC 1117B.2.12

W. AUTOMATIC TELLER & POINT OF SALE MACHINES

(NOT APPLICABLE)

X. CARD READER DEVICES AT FUEL DISPENSING FACILITIES

(NOT APPLICABLE)

Y. CONTROLS & OPERATING MECHANISMS & ELECTRICAL

1. CONTROLS AND OPERATING MECHANISMS REQUIRED TO BE ACCESSIBLE BY SECTION 101.17.11 SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1117B.6. SEC 1117B.6.1

2. CLEAR FLOOR SPACE COMPLYING WITH SECTION 1118B.4 THAT ALLOWS A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT. SEC 1117B.6.2

3. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. SEC 1117B.6.4

4. THE HIGHEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN 48" OF THE FLOOR BUT NOT LOWER THAN 15" IF FORWARD APPROACHED AND WITHIN 54" BUT NOT LOWER THAN 9" IF SIDE APPROACHED, WITH THE FOLLOWING EXCEPTIONS: SEC 1117B.6.3

   a. ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR. SEC 1117B.6.3

   b. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT, SHALL BE NO MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORM. ART 380-8(C)

   c. THE CENTER OF FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE OR SIDEWALK. ART 760-16

5. NON-COMMERCIAL KITCHEN AND COUNTER BAR SINKS LOCATED IN COMMON AREAS SHALL HAVE FAUCET CONTROLS AND OPERATING MECHANISMS OPERABLE WITH ONE HAND IN ACCORDANCE WITH SECTION 1118B AND SHALL NOT REQUIRE GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 PLF. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. SEC 1508.2

Z. HAZARDS & PROTRUDING OBJECTS

1. ABRUPT CHANGES IN LEVEL, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, EXCEEDING 4" IN A VERTICAL DIMENSION, SUCH AS AT PLANTERS OR FOUNTAINS LOCATED IN OR ADJACENT TO WALKS, SIDEWALKS, OR OTHER PEDESTRIAN WAYS, SHALL BE IDENTIFIED BY WARNING CURBS PROJECTING AT LEAST 6" IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE TO WARN THE BLIND OF A POTENTIAL DROP OFF. SEC 1133B.8.1

2. WHEN A GUARDRAIL OR HANDRAIL IS PROVIDED, NO WARNING CURB IS REQUIRED WHEN A GUIDE RAIL IS PROVIDED CENTERED 3" ±1" ABOVE THE SURFACE OF THE WALK OR SIDEWALK, THE WALK IS 5 PERCENT OR LESS GRADIENT, OR NO ADJACENT HAZARD EXISTS. SEC 1133B.8.1. FIG 11B-27(B).

3. OBJECTS PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. SEC 1121B.1. FIG 11B-7A.

4. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT INTO WALKS, HALLS CORRIDORS, PASSAGEWAYS OR AISLES. SEC 1121B.1. FIG 11B-7A.

5. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS MAY OVERHANG 12" MAXIMUM FROM 27" TO 80" ABOVE THE GROUND OR FINISHED FLOOR. SEC 1121B.1

6. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE. SEC 1121B.1

7. WALKS, HALLS, CORRIDORS, PASSAGEWAYS, AISLES OR OTHER CIRCULATION SPACES SHALL HAVE 80" MINIMUM CLEAR HEAD ROOM. SEC 1121B.2. FIG 11B-7A.

8. ANY OBSTRUCTION THAT OVERHANGS A PEDESTRIAN WAY SHALL BE A MINIMUM OF 80" ABOVE THE WALKING SURFACE AS MEASURED FROM THE BOTTOM OF THE OBSTRUCTION. SEC 1133B.8.2. FIG 11B-28.

9. WHERE A GUY SUPPORT IS USED PARALLEL TO A PATH OF TRAVEL, INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, A GUY BRACE, SIDEWALK GUY OR SIMILAR DEVICE SHALL BE USED TO PREVENT AN OVERHANGING OBSTRUCTION AS DEFINED. SEC 1133B.8.2

10. TRANSIT BOARDING PLATFORMS SHALL HAVE A DETECTABLE WARNING TEXTURE EXTENDING THE FULL LENGTH OF THE LOADING AREA. THIS DETECTABLE WARNING TEXTURE SHALL HAVE THE FOLLOWING FEATURES: SEC 1133B.8.3

   a. WIDTH 24" TO 36", PLACED AT THE EDGE OF THE DROP-OFF OR SAFE AREA.

   b. DURABLE, SLIP-RESISTANT MATERIAL HAVING A SURFACE TEXTURE COMPOSED OF RAISED, TRUNCATED DOMES IN A STAGGERED PATTERN 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 CALIFORNIA STATE REFERENCED STANDARDS CODE SECTION 12-11-102. 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. WARNING SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND ON CANE CONTACT. THIS SURFACE SHALL BE RESERVED FOR WARNING.

   c. COLOR YELLOW CONFORMING TO FEDERAL COLOR NO. 33538, AS SHOWN IN TABLE IV OF STANDARD NO. 595B. WHERE THE COLOR VALUE CONTRAST BETWEEN THE YELLOW WARNING AND THE MAIN WALKING SURFACE IS LESS THAN 70%, A 1" WIDE BLACK STRIP SHALL SEPARATE THE YELLOW WARNING FROM THE MAIN WALKING SURFACE. PERCENT OF CONTRAST SHALL BE DETERMINED BY THE FORMULA IN SECTION 1133B.8.3.

11. AT TRANSIT BOARDING PLATFORMS, THE PEDESTRIAN ACCESS SHALL BE IDENTIFIED WITH A DETECTABLE DIRECTIONAL TEXTURE. THIS DETECTABLE DIRECTIONAL TEXTURE SHALL COMPLY WITH FIGURE 11B-23B AND SHALL BE 0.1" IN HEIGHT THAT TAPERS OFF TO 0.04", WITH BARS RAISED 0.2" FROM THE SURFACE. THE RAISED BARS SHALL BE 1.3" WIDE AND 3.0" FROM CENTER-TO-CENTER OF EACH BAR. THIS SURFACE SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND ON CANE CONTACT. THE COLOR OF THE DIRECTIONAL TEXTURE SHALL COMPLY WITH SECTION 1133B.8.3. THIS SURFACE WILL BE PLACED DIRECTLY BEHIND THE YELLOW DETECTABLE WARNING TEXTURE SPECIFIED IN SECTION 1133B.8.3, ALIGNING WITH ALL DOORS OF THE TRANSIT VEHICLES, WHERE PASSENGERS WILL EMBARK. THE WIDTH OF THE DIRECTIONAL TEXTURE SHALL BE EQUAL TO THE WIDTH OF THE TRANSIT VEHICLE'S DOOR OPENING. THE DEPTH OF THE TEXTURE SHALL NOT BE LESS THAN 36". SEC 1133B.8.4. FIG 11B-23B.

12. IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS, OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36" WIDE, COMPLYING WITH SECTIONS 1133B.8.3 THROUGH 1133B.5. SEC 1133B.8.5

AA. SPACE ALLOWANCE & REACH RANGES

1. THE MINIMUM CLEAR FLOOR OR GROUND SPACE REQUIRED TO ACCOMMODATE A SINGLE, STATIONARY WHEELCHAIR AND OCCUPANT IS 30" BY 48". (THE MINIMUM FLOOR OR GROUND SPACE SHALL BE INCREASED TO 42" BY 48" WHEN SUCH SPACE IS PERPENDICULAR TO AN ADJACENT SEATING SPACE.) THE MINIMUM CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE POSITIONED FOR FORWARD OR PARALLEL APPROACH TO AN OBJECT. CLEAR FLOOR OR GROUND SPACE FOR WHEELCHAIRS MAY BE PART OF THE KNEE SPACE REQUIRED UNDER SOME OBJECTS. SEC 1117B.2.3 & 1118B.4.1. FIG 11B-5A & 13.

2. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER WHEELCHAIR CLEAR FLOOR SPACE. IF A CLEAR FLOOR OR GROUND SPACE FOR A WHEELCHAIR IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCES SHALL BE PROVIDED. SEC 1117B.2.4 & 1118B.2.4 & 1118B.4.2. FIG 11B-5A.

3. THE SPACE REQUIRED FOR A WHEELCHAIR TO MAKE A 180 DEGREE TURN IS A CLEAR SPACE OF 60" DIAMETER OR A T-SHAPED SPACE. SEC 1118B.3. FIB 11B-12(A) & (B).

4. THE MINIMUM CLEAR WIDTH REQUIRED FOR A WHEELCHAIR TO TURN AROUND AN OBSTRUCTION SHALL BE 36" WHERE THE OBSTRUCTION IS 48" OR MORE IN LENGTH AND 42" WHERE THE OBSTRUCTION IS LESS THAN 48" IN LENGTH. FIG 11B-5E.

5. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT (24" MAXIMUM LENGTH) AND 36" CONTINUOUSLY. SEC 1118B.1. FIG 11B-10.

6. OPENINGS MORE THAN 24" IN DEPTH SHALL COMPLY WITH SECTIONS 118B.1 AND 1118B.2. SEC 1133B.1.1.1.1. FIG 11B-10 & 11.

7. THE MINIMUM WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60". SEC 1118B.2. FIG 11B-11.

8. IF THE CLEAR FLOOR SPACE ONLY ALLOWS FORWARD APPROACH TO AN OBJECT, THE MAXIMUM HIGH FORWARD REACH ALLOWED SHALL BE 48". SEE FIGURE 11B-5C(A). THE MINIMUM LOW FORWARD REACH IS 15". IF THE HIGH FORWARD REACH IS OVER AN OBSTRUCTION, REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE 11B-5C(B). SEC 1118B.5.

9. IF THE CLEAR FLOOR SPACE ALLOWS PARALLEL APPROACH BY A PERSON IN A WHEELCHAIR, THE MAXIMUM HIGH SIDE REACH ALLOWED SHALL BE 54" AND THE LOW SIDE REACH SHALL BE NO LESS THAN 9" ABOVE THE FLOOR AS SHOWN IN FIGURES 11B-5D(A) & (B). IF THE SIDE REACH IS OVER AN OBSTRUCTION, THE REACH AND CLEARANCES SHALL BE AS SHOWN IN FIGURE 11B-5D(C). SEC 1118B.6

BB. EMPLOYEE WORK AREAS & WORK STATIONS

1. GENERAL EMPLOYEE AREAS ARE "THOSE AREAS COMMONLY USED BY MULTIPLE EMPLOYEES, SUCH AS RESTROOMS, BREAK ROOMS, CONFERENCE AND MEETING SPACE, ETC." EVEN WHEN THESE AREAS ARE RESTRICTED FOR EMPLOYEE USE ONLY, THEY MUST COMPLY WITH TITLE 24 ACCESSIBILITY REQUIREMENTS.

   a. EMPLOYEE WORK AREAS SHALL BE ACCESSIBLE BY MEANS OF A 36" MINIMUM AISLE AND A 32" MINIMUM CLEAR OPENING DOOR WIDTH. SEC 1105B.3.2.3, 1105B.3.3.2 & 1108B.5

   b. EMPLOYEE AREAS SHALL CONFORM TO ALL REQUIREMENTS OF THE DIVISION OF THE STATE ARCHITECT/ACCESS COMPLIANCE SECTION IN THE CALIFORNIA BUILDING CODE, PLUMBING CODE, AND ELECTRICAL CODE. SEC 1123B.1

2. SPECIFIC WORK STATIONS IS INTENDED TO MEAN "PLACES WHERE INDIVIDUALS DO THEIR WORK, SUCH AS A CHEF'S CHOPPING BLOCK IN A COMMERCIAL RESTAURANT OR A COMPUTER TERMINAL IN AN OFFICE." THESE WORK STATIONS ARE NOT REQUIRED TO BE ACCESSIBLE THEMSELVES, EXCEPT THAT AISLE AND FLOOR AND LEVEL REQUIREMENTS MUST BE MET AND ENTRYWAYS MUST BE AT LEAST 32" IN CLEAR WIDTH.

   a. SPECIFIC WORK STATIONS, WITH THE EXCEPTION OF WORKS STATIONS IN SALES FACILITIES, CHECKSTANDS, TICKET BOOTHS, AND OTHER WORK STATIONS WITH SPECIFIC REQUIREMENTS CONTAINED IN OTHER PORTIONS OF THE REGULATIONS, NEED ONLY COMPLY WITH AISLE WIDTH AND FLOORS AND LEVELS, AND ENTRYWAYS SHALL BE 32" IN CLEAR WIDTH. SEC 1123B.2

CC. FIXED OR BUILT-IN SEATING, TABLES, & COUNTERS

1. WHERE FIXED OR BUILT-IN SEATING, TABLES, OR COUNTERS ARE PROVIDED FOR THE PUBLIC, AND IN GENERAL EMPLOYEE AREAS, 5%, BUT NEVER LESS THAN 1 MUST BE ACCESSIBLE, AS REQUIRED IN SECTION 1122B. SEC 1122B.1

2. THE TOPS OF TABLES AND COUNTERS SHALL BE 28" TO 34" FROM THE FLOOR OR GROUND. SEC 1122B.4

3. IF SEATING FOR PEOPLE IN WHEELCHAIRS IS PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACES AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP SHALL BE PROVIDED. SEC 1122B.3. FIG 11B-13.

4. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, CLEAR FLOOR SPACE COMPLYING WITH SECTION 1118B.4 SHALL BE PROVIDED. SUCH CLEAR FLOOR SPACE SHALL NOT OVERLAP KNEE SPACE BY MORE THAN 19". SEC 1122B.2. FIG 11B-13.

5. WHERE A SINGLE COUNTER CONTAINS MORE THAN ONE TRANSACTION STATION, SUCH AS (BUT NOT LIMITED TO) A BANK COUNTER WITH MULTIPLE TELLER WINDOWS OR A RETAIL SALES COUNTER WITH MULTIPLE CASH REGISTER STATIONS, AT LEAST 5%, BUT NEVER LESS THAN 1, OF EACH TYPE OF STATION SHALL BE LOCATED AT A SECTION OF COUNTER THAT IS AT LEAST 36" LONG AND NO MORE THAN 28" TO 34" HIGH. SEC 1122B.4

County of Orange
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Revisions 0742 | Sym. | Descrip. | Date | By

Consultants | Drawn | Chkd. | Date

A-E Seal: LICENSED ARCHITECT ALLEN L. HIBBS NO. C10511 REN. 7/31/2011 STATE OF CALIFORNIA

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Design DF | Chkd. AH | Date Nov. 26, 2009

Sht Title ACCESSIBILITY NOTES
Project COUNTY OF ORANGE HEALTH CARE AGENCY 401 SOUTH TUSTIN STREET
401 SOUTH TUSTIN STREET ORANGE, CA 92866
PROJ. NO. 100-042-P210-4200

Plan No. 52333-03608

Sheet A-0.2