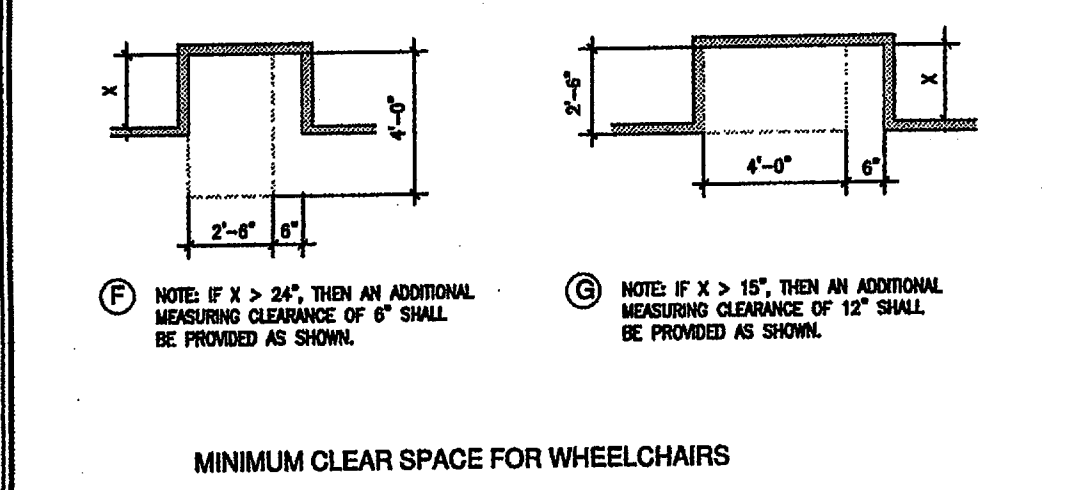
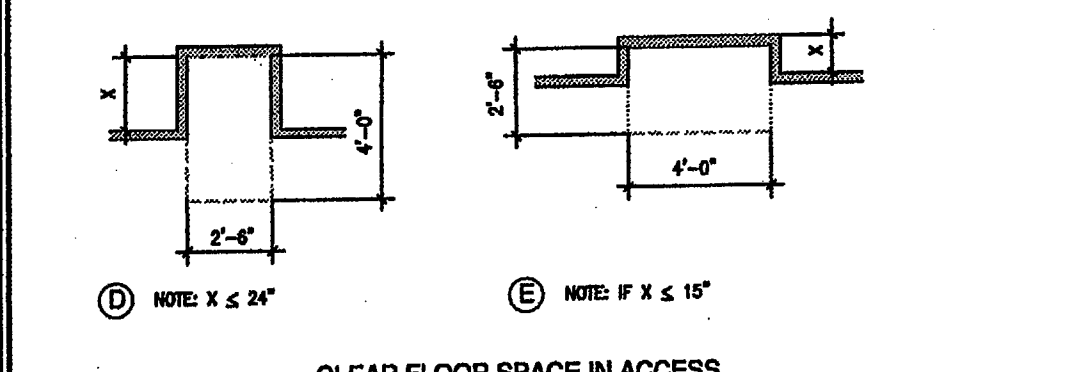
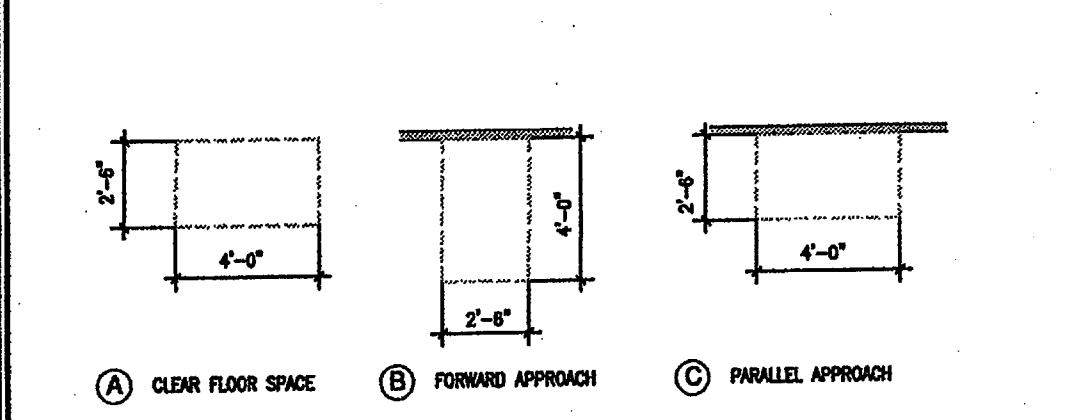
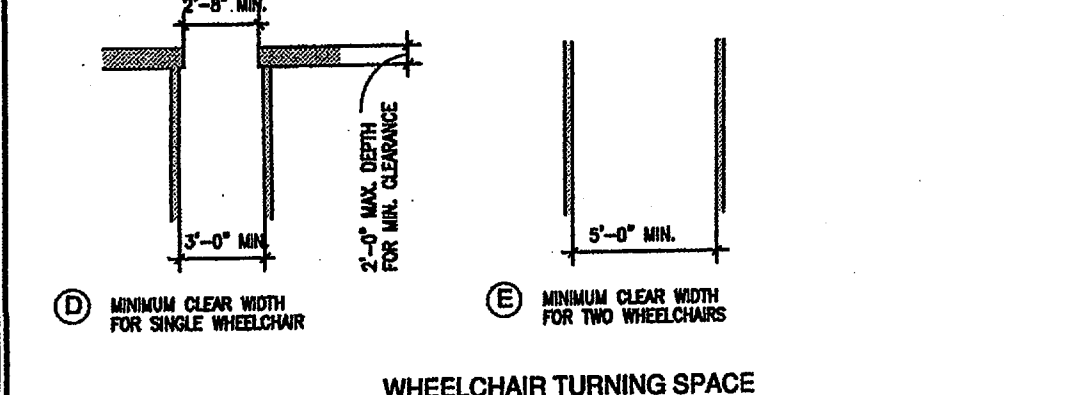
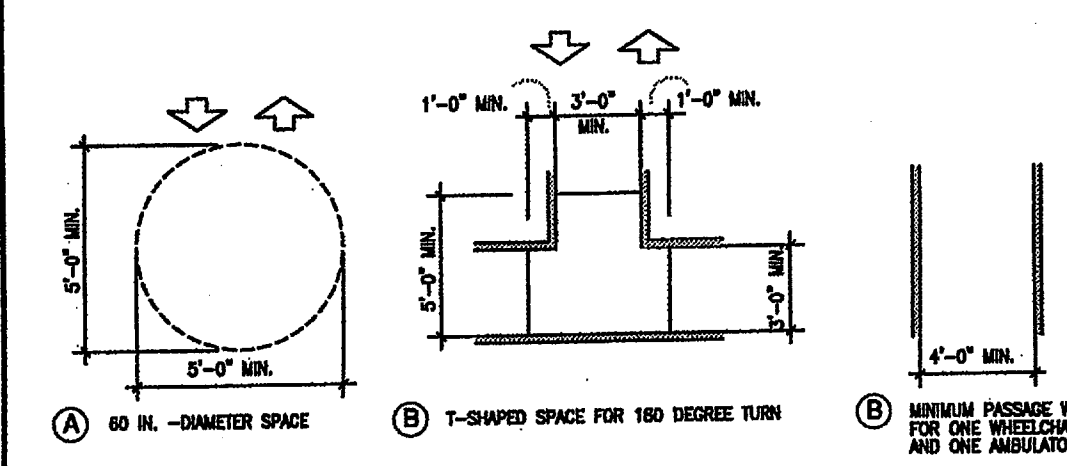


4.2 - SPACE ALLOWANCES AND REACH RANGES

SECTION 4.2.1 - WHEELCHAIR PASSAGE WIDTH

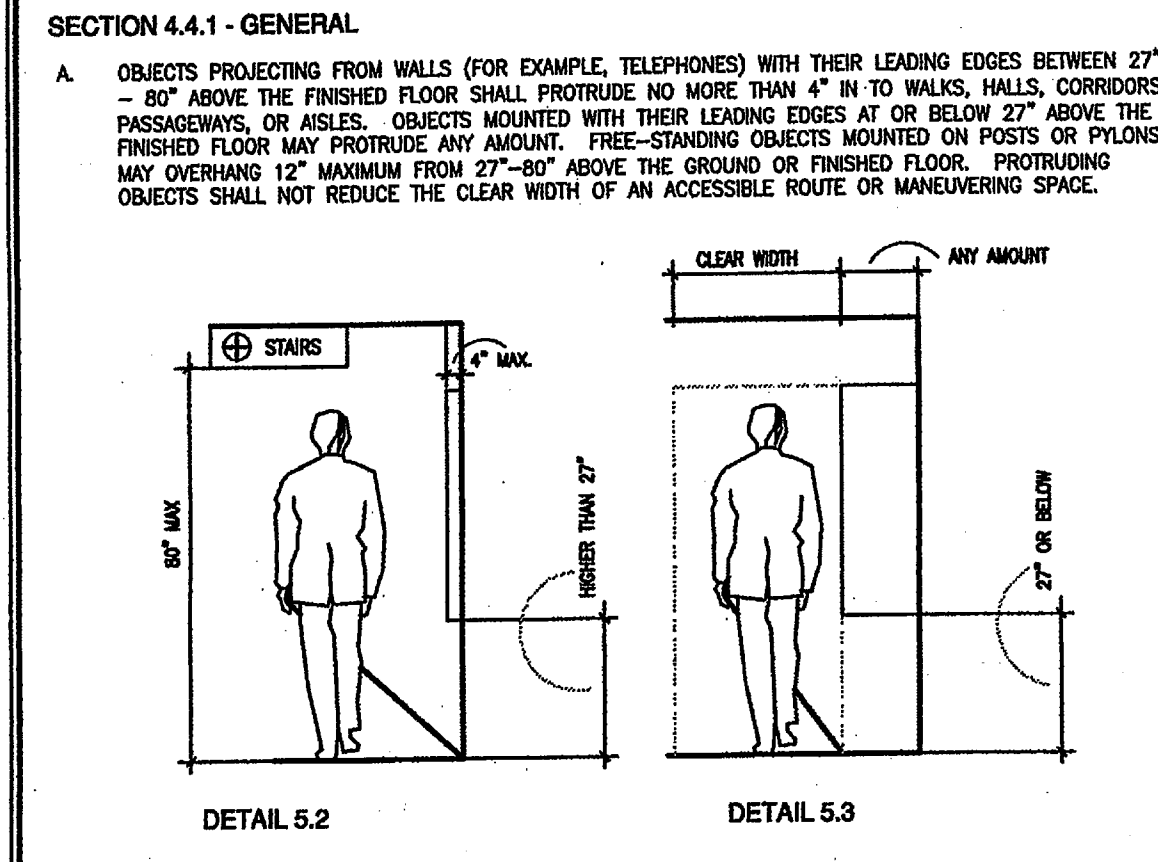
- A. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT AND 36" CONTINUOUSLY.
- B. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".
- C. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".



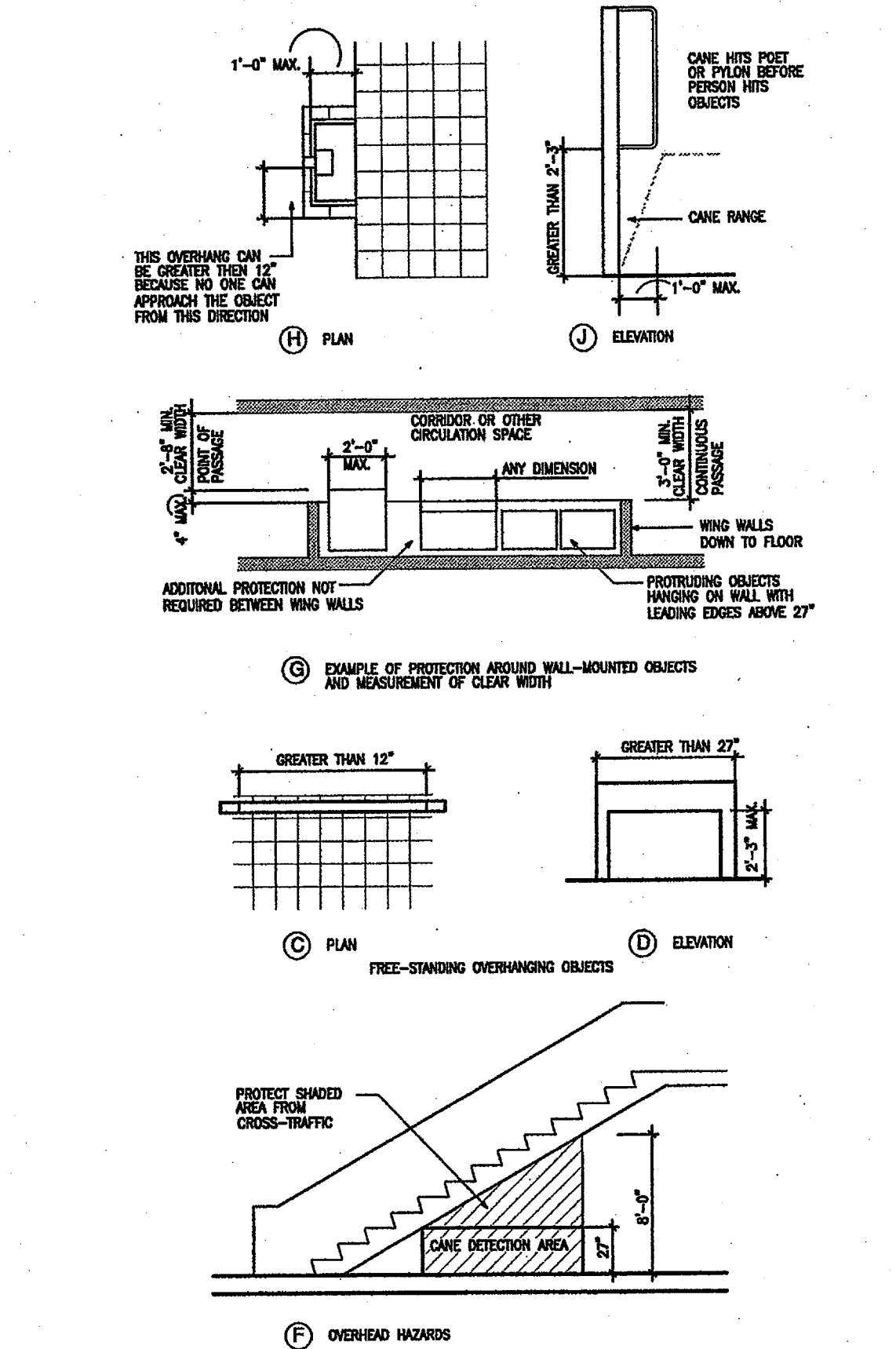
4.3 - ACCESSIBLE ROUTE

- SECTION 4.3.2 - LOCATION
 - A. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE.
- SECTION 4.3.3 - WIDTH
 - A. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.
- SECTION 4.3.4 - PASSING SPACE
 - A. IF AN ACCESSIBLE ROUTE IS LESS THAN 60" IN WIDTH, THEN PASSING SPACES OF AT LEAST 60" X 60" SHALL BE PROVIDED AT 200' MAX. SPACING.
- SECTION 4.3.5 - HEAD ROOM
 - A. ACCESSIBLE ROUTES SHALL HAVE 80" MIN. CLEAR HEAD ROOM.
- SECTION 4.3.7 - SLOPE
 - A. RUNNING SLOPE SHALL NOT EXCEED 1:20 (IF SLOPE EXCEED 1:20, REFER TO SECTION 4.8).
 - B. CROSS SLOPE SHALL NOT EXCEED 1:50.

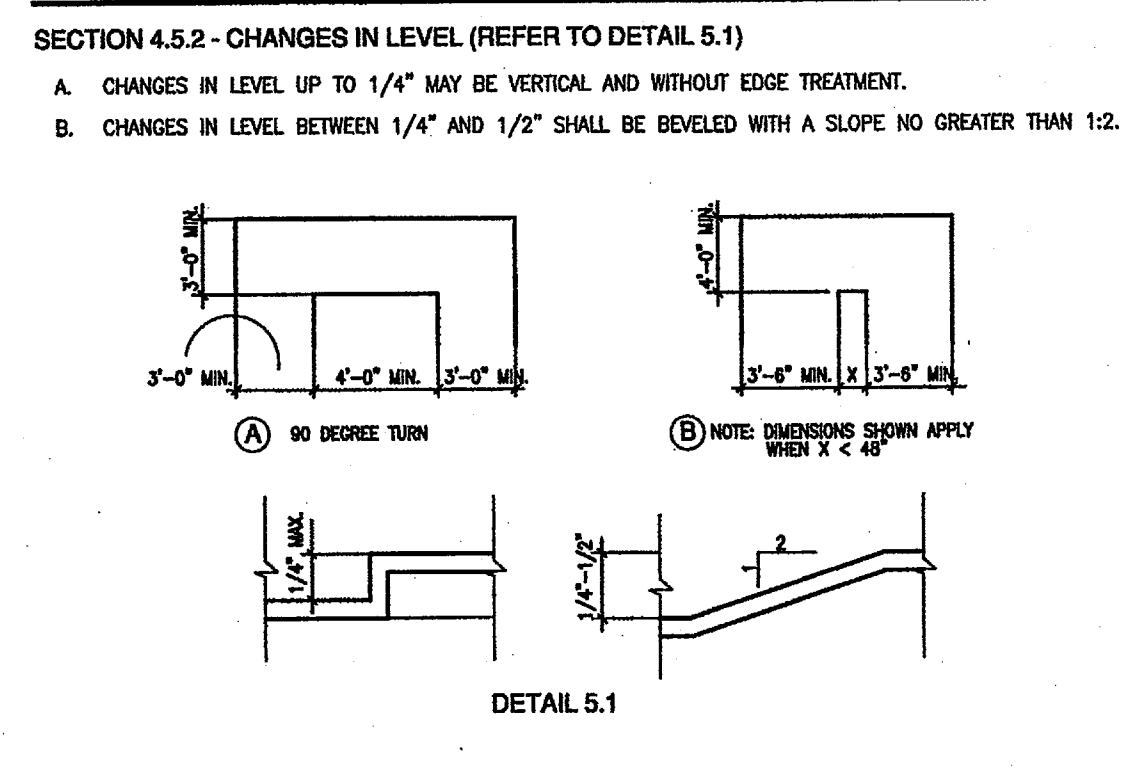
4.4 - PROTRUDING OBJECTS



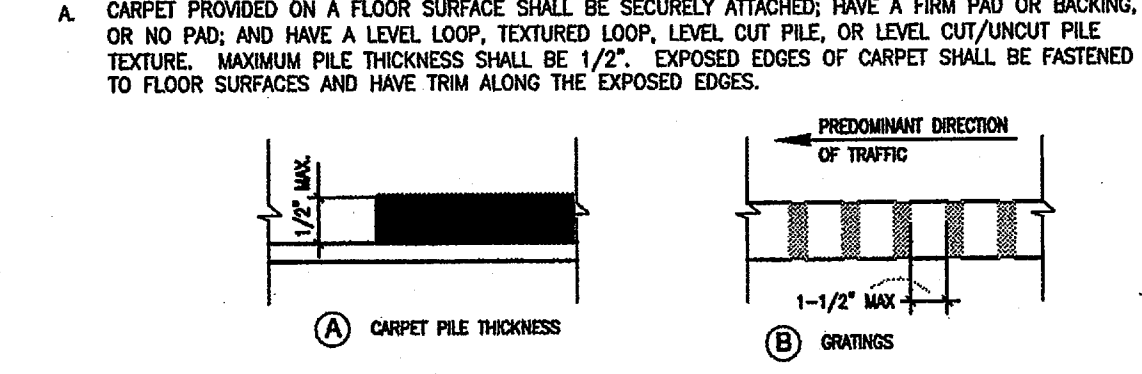
4.4 - PROTRUDING OBJECTS, CONTINUED



4.5 - GROUND AND FLOOR SURFACES



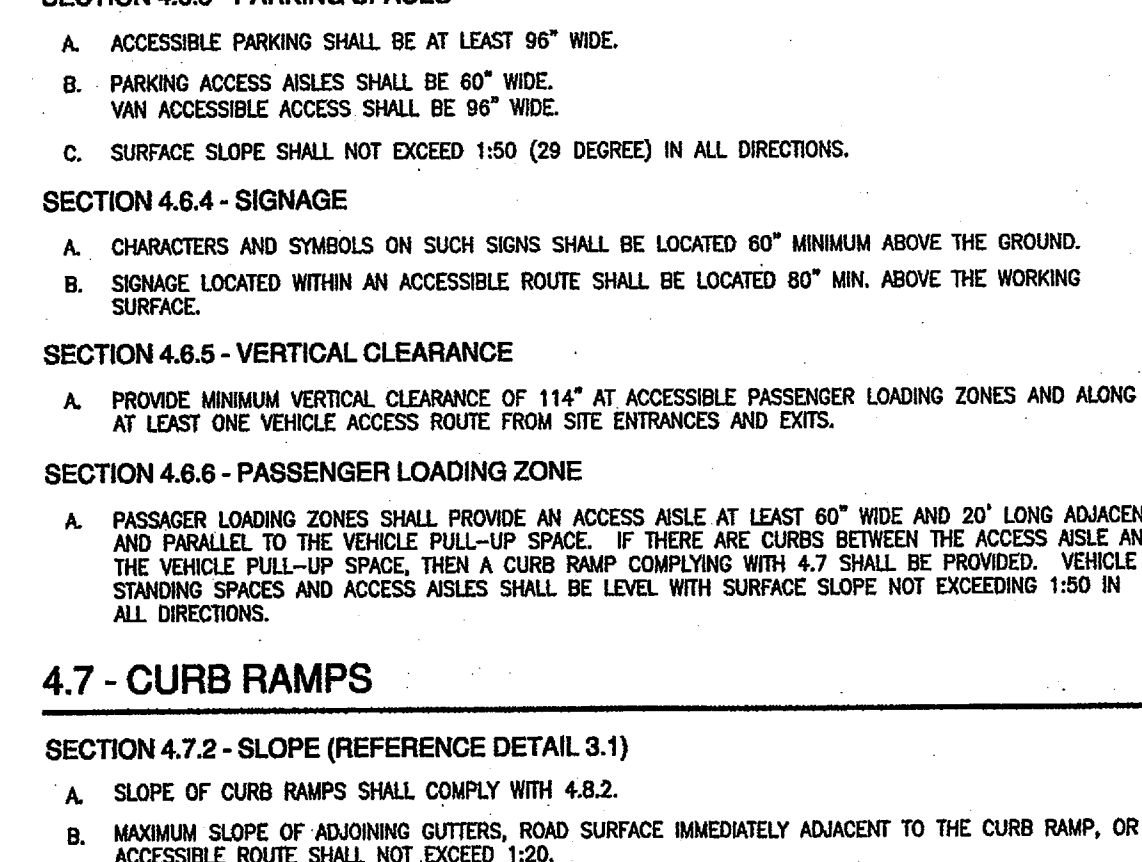
4.5 - CARPET



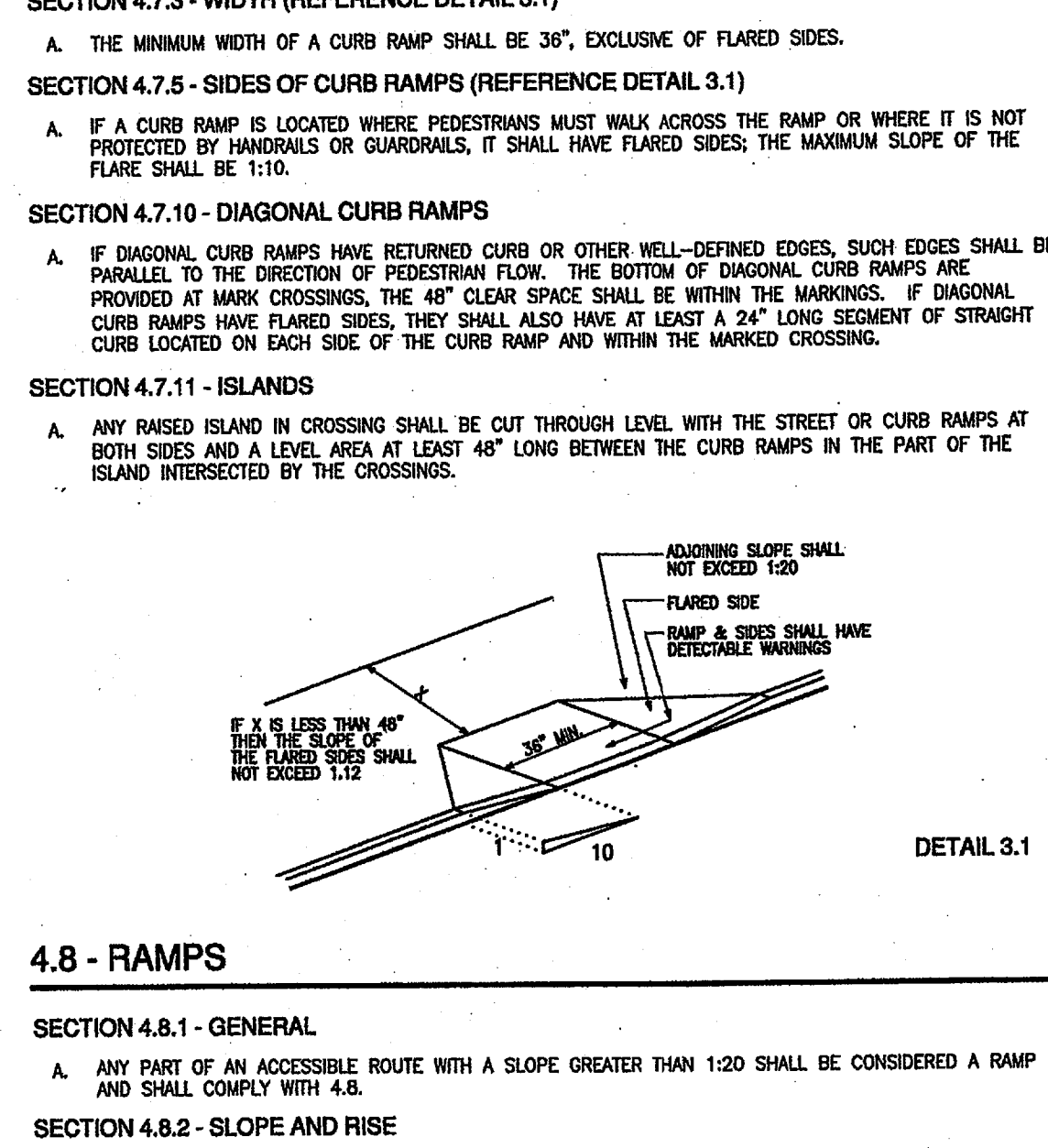
4.5 - GRATINGS

- A. IF GRATINGS ARE LOCATED IN WALKING SURFACES OR ALONG ACCESSIBLE ROUTES, THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION.
- B. IF GRATINGS HAVE ELONGATED OPENING, THEN THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

4.6 - PARKING AND PASSENGER LOADING ZONES



4.7 - CURB RAMPS, CONTINUED



4.8 - RAMPS

- SECTION 4.8.1 - GENERAL
 - A. ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH 4.8.
- SECTION 4.8.2 - SLOPE AND RISE
 - A. THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30".
- SECTION 4.8.3 - CLEAR WIDTH
 - A. THE MINIMUM CLEAR WIDTH OF A RAMP 30 FT OR LESS IN LENGTH SHALL BE 36". RAMP MORE THAN 30 FT. IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 44".
- SECTION 4.8.4 - LANDINGS
 - A. LEVEL LANDING REQUIRED AT TOP AND BOTTOM OF EACH RUN, WITH THE FOLLOWING FEATURES:
 1. MINIMUM WIDTH: EQUAL TO WIDTH OF RAMP.
 2. LENGTH: MINIMUM 60" CLEAR.
- SECTION 4.8.5 - HANDRAILS
 - A. HEIGHT: 34"-38" ABOVE RAMP SURFACE.
 - B. THE SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1 1/2".

4.9 - STAIRS

- SECTION 4.9.2 - TREADS AND RISERS
 - A. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND TREAD WIDTHS.
 1. MINIMUM TREAD DEPTH SHALL BE 11", MEASURED FROM RISER TO RISER (NOT INCLUDING NOSING).
 2. OPEN RISERS ARE NOT PERMITTED.
- SECTION 4.9.4 - HANDRAILS
 - A. NON-CONTINUOUS HANDRAILS SHALL EXTEND 12" BEYOND THE TOP RISER AND 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL TO THE FLOOR. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF ONE TREAD WIDTH (11"); THE REMAINING EXTENSION SHALL BE HORIZONTAL.
 - B. HEIGHT: 34"-38", MEASURED FROM THE STAIR NOSING.

4.10 - ELEVATORS

- SECTION 4.10.3 - HALL CALL BUTTONS
 - A. SHALL BE CENTERED 42" ABOVE FLOOR.
- SECTION 4.10.4 - HALL LANTERNS
 - A. VISIBLE SIGNAL SHALL HAVE THE FOLLOWING FEATURES:
 1. FIXTURES SHALL BE MOUNTED WITH CENTERLINE AT LEAST 72" ABOVE THE LOBBY FLOOR.
 2. VISUAL ELEMENTS SHALL BE AT LEAST 2 1/2" IN THE SMALLEST DIMENSION.
- SECTION 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES
 - A. ALL ELEVATOR HOISTWAY ENTRANCES SHALL HAVE RAISED AND BRAILLE FLOOR NO. DESIGNATIONS PROVIDED ON BOTH JAMBS. CENTERLINE OF THE CHARACTERS SHALL BE 60" ABOVE THE FLOOR. CHARACTERS SHALL BE 2" HIGH.
- SECTION 4.10.6 - DOOR PROTECTIVE AND REOPENING DEVICE
 - A. ELEVATOR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. THEY SHALL BE PROVIDED WITH A REOPENING DEVICE THAT WILL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.
- SECTION 4.10.12 - CAR CONTROLS
 - A. ALL FLOOR BUTTONS SHALL BE:
 1. ALL CONTROL BUTTONS SHALL BE AT LEAST 3/4" IN THEIR SMALLEST DIMENSION. THEY SHALL BE FLUSH OR RAISED.
 2. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY BRAILLE AND BY RAISED STANDARD ALPHABET CHARACTERS FOR LETTERS, ARABIC CHARACTERS FOR NUMERALS. THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.
 3. MAXIMUM 54" ABOVE FLOOR WHERE SIDE APPROACH IS PROVIDED.
 4. MAXIMUM 48" WHERE FORWARD APPROACH IS PROVIDED.
 - B. EMERGENCY CONTROLS:
 1. SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.
 2. SHALL BE GROUPED AT BOTTOM OF PANEL.

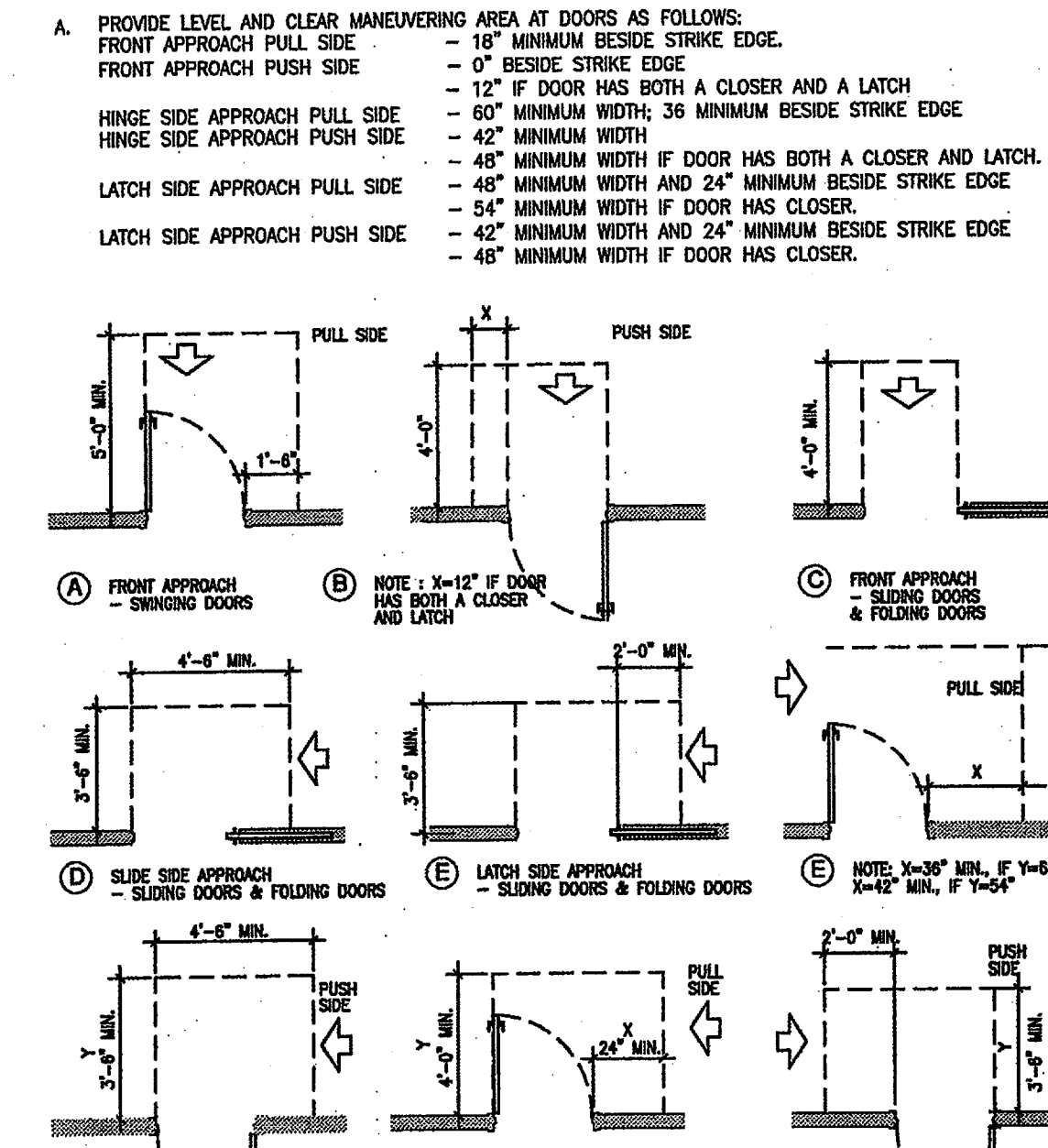
4.11 - PLATFORM LIFTS

- SECTION 4.11.2, 4.27.3 - OTHER REQUIREMENTS CONTROLS AND OPERATING SYSTEMS
 - A. HEIGHT PERMITTED:
 - 1. CONTROLS AND OPERATING MECHANISMS SHALL BE LOCATED FOR EITHER A FORWARD OR SIDE APPROACH FROM ANY DIRECTION OF TRAVEL. THEY SHALL BE LOCATED 28" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. THEY SHALL BE OPERABLE WITH ONE HAND. THERE SHALL BE AT LEAST ONE HANDRAIL COMPLYING WITH 4.28.
 - 2. WHEEL STOPS AND GUARDRAILS SHALL BE PROVIDED WHERE NECESSARY.

4.13 - DOORS

- SECTION 4.13.4 - DOUBLE LEAF DOORWAYS
 - A. DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL HAVE AT LEAST ONE LEAF THAT MEETS THE REQUIREMENTS IN 4.13.5 AND 4.13.6.
- SECTION 4.13.5 - CLEAR WIDTH
 - A. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM, WITH THE DOOR OPEN 90°.
 1. CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND STOP.
 2. OPENINGS MORE THAN 24" IN DEPTH SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM.
 - EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, SHALL HAVE A CLEAR OPENING OF 20" MINIMUM.

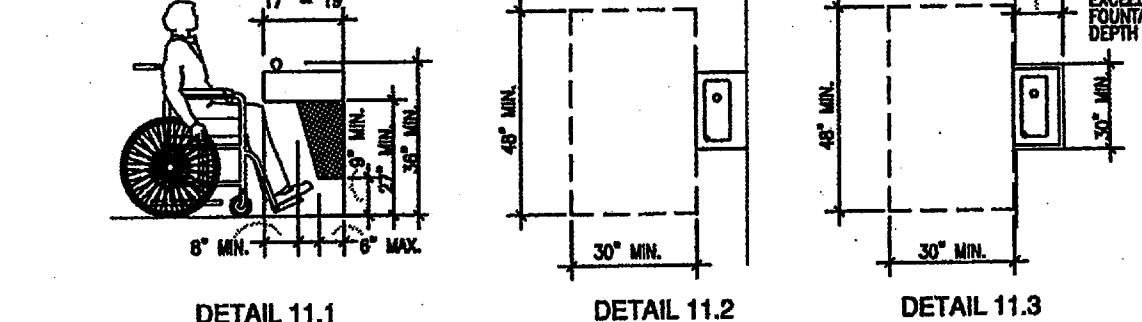
4.13 - DOORS, CONTINUED



4.15 - DRINKING FOUNTAINS

- SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 11.1)
 - A. SPOUT SHALL BE NO HIGHER THAN 36", MEASURED FROM THE FLOOR OR GROUND SURFACE OF THE UNIT.
- SECTION 4.15.3 - SPOUT LOCATION
 - A. SPOUT SHALL BE LOCATED AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT.
 1. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH.
 2. IF THE FOUNTAIN HAS A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN.
- SECTION 4.15.4 - CONTROLS
 - A. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.
- SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 11.1)
 - A. WALL AND POST MOUNTED CANTILEVER FOUNTAINS SHALL HAVE CLEAR KNEE SPACE AS FOLLOWS:
 1. MINIMUM 27" HIGH (FROM FRONT BOTTOM TO FLOOR) MINIMUM 30" WIDE, AND 17"-19" DEEP.
 2. A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A FORWARD APPROACH TO THE UNIT SHALL BE PROVIDED.
 - B. FREE STANDING OR BUILT-IN UNITS NOT HAVING A CLEAR KNEE SPACE SHALL HAVE A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A PARALLEL APPROACH TO THE UNIT.

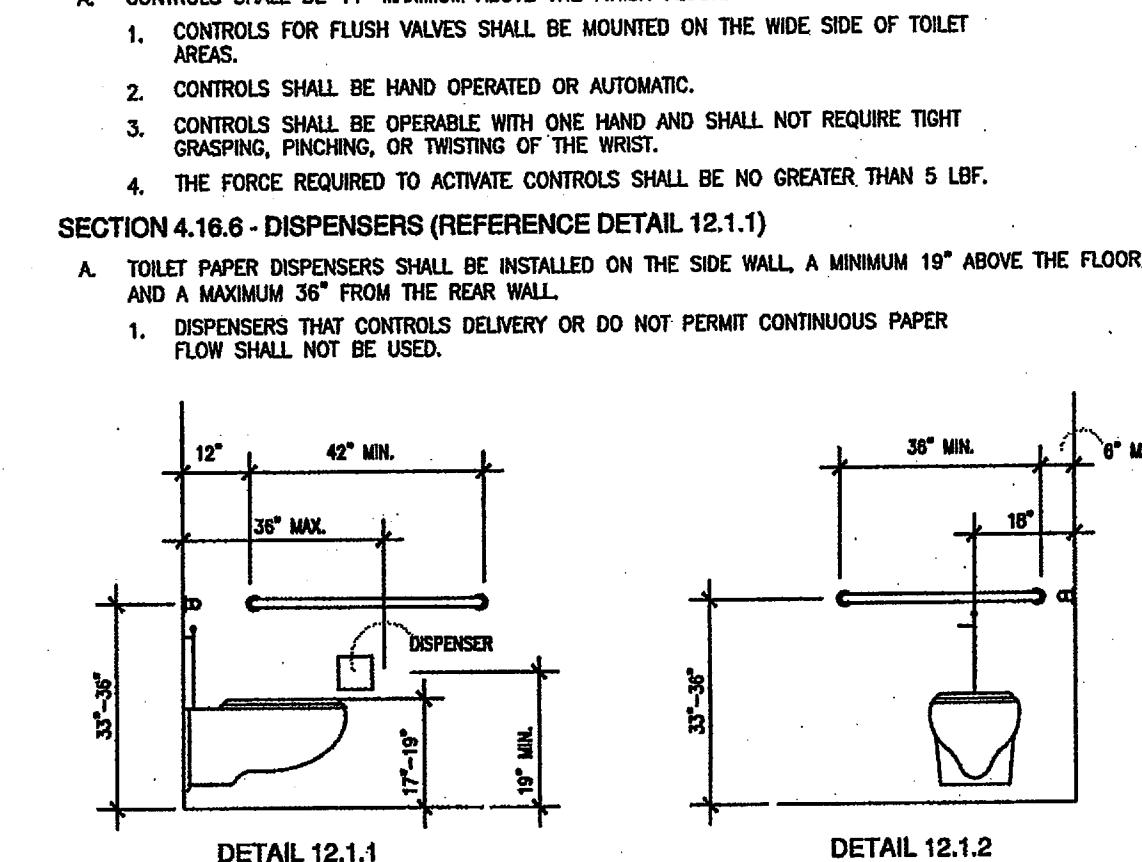
4.15 - DRINKING FOUNTAINS, CONTINUED



4.16 - WATER CLOSETS

- SECTION 4.16.2 - CLEAR FLOOR SPACE
 - A. CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL BE PROVIDED AS FOLLOWS:
 - 1. FRONT APPROACH - 48" MINIMUM WIDE X 66" MINIMUM LONG.
 - 2. SIDE APPROACH - 55" MINIMUM TO FRONT OF TOILET X 48" MINIMUM WIDE.
 - 3. DUAL APPROACH - 60" MINIMUM WIDE X 55" MINIMUM LONG.
- SECTION 4.16.3 - HEIGHT (REFERENCE DETAIL 12.1.1)
 - A. THE HEIGHT TO THE TOP OF THE TOILET SEAT SHALL BE 17"-19" ABOVE FLOOR.
 1. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION.
- SECTION 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAIL 12.1.1 AND 12.1.2)
 - A. FOR WATER CLOSETS NOT LOCATED IN TOILET STALLS, THE FOLLOWING GRAB BARS SHALL BE PROVIDED:
 1. SIDE WALL: 42" LONG MINIMUM, 12" FRONT BACK WALL.
 2. BACK WALL: 36" LONG MINIMUM, 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE.
 - REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL ELEMENTS.

4.16 - WATER CLOSETS, CONTINUED



4.17 - TOILET STALLS

- SECTION 4.22.4 - WHERE APPLICABLE
 - A. IF TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM, THEN AT LEAST ONE SHALL BE A "STANDARD" ACCESSIBLE TOILET STALL (FOR WHEELCHAIR USER) COMPLYING WITH THIS SECTION.
 - B. IF 6 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO THE "STANDARD" ACCESSIBLE STALL REQUIRED; AN ADDITIONAL "ALTERNATE" ACCESSIBLE STALL 36" WIDE (FOR AMBULATORY PERSONS WITH DISABILITIES) COMPLYING WITH THIS SECTION SHALL BE PROVIDED.
 - C. ALTERATIONS/EXISTING CONDITIONS IN ALTERATION WORK, WHERE PROVISION OF A "STANDARD" ACCESSIBLE STALL IS TECHNICALLY INFEASIBLE OR WHERE PLUMBING CODE REQUIREMENTS PREVENT COMBINING EXISTING STALLS TO PROVIDE SPACE, EITHER "ALTERNATE" STALL (A OR B) COMPLYING WITH THIS SECTION MAY BE PROVIDED IN LIEU OF THE STANDARD STALL.
- SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL)
 - A. TOILET STALL MAY BE ARRANGED TO PROVIDE EITHER A LEFT OR A RIGHT HANDED APPROACH. ACCESSIBLE TOILET STALLS SHALL HAVE THE FOLLOWING DIMENSIONS:
 1. "STANDARD" ACCESSIBLE STALL
 - 60" MINIMUM WIDTH.
 - 59" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.
 - 56" MINIMUM DEPTH, WITH WALL MOUNTED WATER CLOSET.
 - DOOR: OUTWARD SWINGING (IF DOOR SWINGS INTO STALL, DEPTH SHALL BE INCREASED BY 36").
 2. "ALTERNATE A" ACCESSIBLE STALL (REQUIRED WHEN MORE THAN 6 STALLS PROVIDED, PERMITTED IN LIEU OF STANDARD STALL IN CERTAIN ALTERATIONS.)
 - 35" MINIMUM WIDTH.
 - 69" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.
 - 66" MINIMUM DEPTH WITH WALL MOUNTED WATER CLOSET.
 - DOOR: OUTWARD SWINGING.
 3. "ALTERNATE B" ACCESSIBLE STALL (PERMITTED IN LIEU OF STANDARD STALL ONLY IN CERTAIN ALTERATIONS)
 - 48" MINIMUM WIDTH.
 - 54" MINIMUM DEPTH.
 - DOOR: OUTWARD SWINGING.
- SECTION 4.17.4 - TOE CLEARANCES
 - A. IN "STANDARD" ACCESSIBLE STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9" ABOVE THE FLOOR.
 - B. IF THE DEPTH OF THE STALL IS GREATER THAN 60", THE TOE CLEARANCE IS NOT REQUIRED.
- SECTION 4.17.5 - DOORS
 - A. TOILET STALL DOORS, INCLUDING HARDWARE, SHALL COMPLY WITH ELEMENT 10: DOORS
 - B. IF TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL, CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION SHALL BE 42" MINIMUM. (THIS IS AN EXCEPTION FROM TYPICAL DOOR MANEUVERING CLEARANCES.)
- SECTION 4.17.6 - GRAB BARS (REFERENCE DETAILS 12.1.1, 12.1.2, AND 12.2.1)
 - A. GRAB BARS MOUNTED 33"-36" ABOVE THE FLOOR, SHALL BE PROVIDED AS FOLLOWS:
 1. "STANDARD" ACCESSIBLE STALL: ONE 40" SIDE WALL GRAB BAR (ON NEAR WALL) AND ONE REAR WALL GRAB BAR.
 2. "ALTERNATE A" ACCESSIBLE STALL: 42" SIDE WALL GRAB BAR EACH SIDE.
 3. "ALTERNATE B" ACCESSIBLE STALL: ONE 42" SIDE WALL GRAB BAR (ON NEAR WALL), ONE 42" REAR WALL GRAB BAR.
 4. SIDE WALL GRAB BARS: MINIMUM LENGTH AS INDICATED, MOUNTED 12" MAXIMUM OFF REAR WALL.
 5. REAR WALL GRAB BAR: MINIMUM LENGTH 36", 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE.
 - REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL REQUIREMENTS.

