



Incorporating tolerances into designs:

Many accessibility requirements are minimum, maximum, and exact dimensions. In actual practice, it is difficult to achieve the exact measurements. Therefore, the design should incorporate a construction tolerance. Here are a few suggestions:

1. Instead of 2% maneuvering spaces at door landings, try 1.5% for a distance of 5'-0" minimum.
2. Instead of 2% cross slopes, use 1.5%.
3. Instead of 8.33% slopes, use 7.5%.
4. Instead of handrails at 38" above the ramp surface, try 36" to the top of the handrails.
5. Instead of grab bars at 36", try 35" to the top of grab bars.
6. Instead of toilet paper dispensers at 7" to 9" in front of toilet or 36" from the back wall, try 8" from the centerline to the front edge of the toilet.
7. Instead of electrical devices 15" to 48" above the floor, try 18" to the bottom of the box to 46" to the top of the box.
8. For public and common use toilets, instead of 18" between the centerline and the sidewall, try 17".
9. Instead of accessible work surfaces, sinks, and lavatories mounted 34" above the floor, try 33 1/2".
10. Instead of having impervious patio surfaces 4" below the finish floor, try 3 1/2".
11. Try specifying 1" more than the minimum dimension and 1" less than the maximum dimension.