

RAMPS ON CAMPUS

A team went out and gathered information about the following two ramps but did not have time to do any calculations. Use their information to determine the angle of elevation for each ramp. Next, determine if each ramp meets the ADA minimum requirement. Justify your answer.

North Entrance Ramp

There is very limited space for this existing ramp. We measured the height of the ramp to be 28 inches. Due to the space, we could not easily measure the base, but the trim on the wall ran parallel to the base and was 236 inches long.

Second-Floor Ramp

There are plans to add a ramp to the second floor of our school. We were told that the height of the ramp will be 23.5 inches, and the ramp run (the surface the wheelchair will travel on) will have a length of 336.5 inches.