



WHEEL CHAIR RAMP CONSTRUCTION TIPS

Slope of ramp should equal 12 units of run for each unit of rise. If rise is 18', run should be 18'. Besides meeting code, this formula will allow safe movement of wheel chair even by elderly without the fear of runaway.

FRONT ELEVATION

SIDE ELEVATION

2X4 or 2X6 hand rail.
Radius edges please.

30" to
36" hand
rail

4X4 post
.40 treated

2X4
safety
rail

2X6
decking

Use 8d common
or 2 1/2"
screws on
decking

2X6 joists on 2'C.

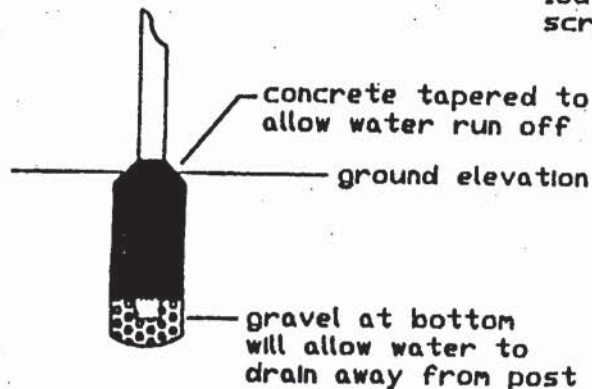
see post bottom
detail below.

Nail or screw joists to
posts from inside using
16d common nails or 3 1/2"
screws.

4X4 posts should
be 4' on C.

Middle rail made of 2X4 will prevent
rolloff

ground elevation



CONSTRUCTION NOTES

A level landing section must be used between ramps when the direction of the sections change. A typical landing is 4' X 4' of 2X6 material. After you have laid the plans for your ramp, you can prefab the sections. This makes the job go quickly with few errors. Deck over the joists butting the 2X6's tight. Do not nail the decking by posts. That way, when you hang the prefab unit on the posts, you can nail from inside and then nail down the loose decking. Treated lumber will shrink. After a short time in the weather, there will be spaces between the decking to release any standing water. Use anti-slip material to prevent accidents when wet. Do not use 3/4 inch treated plywood for decking unless you are only making repairs and need it to match existing decking. If 3/4 ply or 1X4 tongue & groove is used, set joists on 16" centers. An alternate to in ground posts with concrete is to set post bottom on 2" concrete pads. Use lag bolts or screws (joist to post).