

### 3.7. Ramps

- 3.7.1.** Ramps used as means of egress shall comply with **Table 3.1** and **Table 3.9**. However, allowance and modifications of ramps, if provided by individual occupancies as per **Section 5**, shall override the requirements of **Table 3.9**.

**Table 3.9: Ramps**

| ITEMS                          | REQUIREMENTS   |
|--------------------------------|--|
| <b>1. RAMP WIDTH</b>           | <ul style="list-style-type: none"> <li>i. The minimum width of a ramp shall not be less than 1200 mm.</li> <li>ii. Ramp width shall not decrease in width along the direction of egress travel.</li> </ul>   |
| <b>2. SLOPE</b>                | <ul style="list-style-type: none"> <li>i. Maximum slope of a ramp shall not exceed 1 in 12 ratio.</li> <li>ii. Maximum cross slope of a ramp shall not exceed 1 in 48 ratio.</li> </ul>  |
| <b>3. RISE</b>                 | <ul style="list-style-type: none"> <li>i. Maximum rise of a single ramp run shall not exceed 760 mm.</li> </ul>  |
| <b>4. PROJECTIONS</b>          | <ul style="list-style-type: none"> <li>i. Maximum projections allowed on ramp shall not exceed 114 mm at or below handrail height.</li> </ul>  |
| <b>5. CONSTRUCTION</b>         | <ul style="list-style-type: none"> <li>i. Ramps serving as means of egress shall be of permanent fixed construction.</li> <li>ii. Ramps shall be constructed of non combustible or limited combustible material.</li> <li>iii. Where fire-retardant-treated wood is used for ramp construction, its height shall not exceed 760 mm and shall not have an area more than 277 m<sup>2</sup> and it shall not occupy 50% of the room area it is serving.</li> </ul>   |
| <b>6. LANDINGS</b>             | <ul style="list-style-type: none"> <li>i. Landing shall have same width as that of ramp.</li> <li>ii. Ramp floor and landings shall be solid and without perforations.</li> <li>iii. Ramps shall have landings located at the top, at the bottom, and at door leaves opening onto the ramp.</li> <li>iv. The slope of the landing shall be not steeper than 1 in 48.</li> <li>v. Landing dimension shall not be less than 1525 mm in the direction of travel.</li> <li>vi. If ramp is not part of an accessible route and has straight run, the landing dimension shall not be less than 1220 mm in the direction of travel.</li> <li>vii. Any changes in ramp direction shall be made only at landing.</li> </ul> |
| <b>7. DROP-OFFS</b>            | <ul style="list-style-type: none"> <li>i. Ramps and landings with drop-offs shall have curbs, walls, railings, or projecting surfaces that prevent people from traveling off the edge of the ramp.</li> <li>ii. Curbs or barriers shall be not less than 100 mm in height.</li> </ul>  |
| <b>8. GUARDS AND HANDRAILS</b> | <ul style="list-style-type: none"> <li>i. Shall comply with <b>Table 3.4.10</b> and <b>3.4.11</b>.</li> </ul>  |
| <b>9. ENCLOSURE</b>            | <ul style="list-style-type: none"> <li>i. Shall comply with <b>Table 3.4.7</b>.</li> </ul>   |
| <b>10. OUTSIDE RAMP</b>        | <ul style="list-style-type: none"> <li>i. Outside ramps shall be arranged to avoid any impediments to their use by persons having a fear of high places. Outside ramps more than 11 m above the finished ground level shall be provided with an opaque visual obstruction not less than 1220 mm in height.</li> <li>ii. Outside ramps and landings shall be designed to minimize water accumulation on their surfaces.</li> </ul>  |