

2. Treads are to be open mesh fixed to the stringers, not direct to the concrete.
3. Sloping hand railing to be as above but with the top rail 850 mm vertically above the line of pitch and standards spaced not more than 1500mm measured parallel to the line of pitch.

E. Ladders, General:

1. Ladders shall be fabricated from aluminium as detailed on the Drawings.
2. Each rung shall be able to withstand a point load of 5000 N when applied at the centre of the rung and when applied close to one end.
3. When supported horizontally over a span of 1.00 m with the climbing face uppermost and with a load of 1000 N applied at the centre of the span the ladder shall not deflect more than 15 mm at the point of application of the load and shall show no permanent deflection after removal of the load. Each ladder fixing shall be capable of withstanding shear and pull-out loads of 5000 N.
4. Safety cages shall be provided where indicated on the Drawings or where the distance between landings exceeds 4.50 m. These shall be constructed of three flat vertical members supported by flat hoops with a diameter of 750 mm. The hoops shall be at a maximum of 700 mm centres and the first hoop shall be 2.40 m above ground or platform level.
5. Each hoop shall be able to withstand both a tangential point load of 740 N and a vertical point load of 1200 N applied at any point on the hoop. The maximum allowable deflection at the point of application of the load shall not exceed 25 mm and there shall be no permanent deflection of the hoops after removal of the load.
6. An intermediate landing shall be provided where the rise exceeds 6.00 m.

F. Mild Steel Ladders: fabricated galvanised steel ladders shall be as follows:

Not Used

G. Aluminium Alloy Access and Cat Ladders

1. Shall be generally 400 mm wide with rungs spaced at 250 mm centres.
2. Stiles shall be of rectangular tube section with 25 mm diameter non-slip double serrated tube section rungs.
3. Rungs shall be fixed through stiles with approved pattern clip rivets.