

APPENDIX D

DESIGN GUIDELINES FOR PERSONS WITH VISUAL IMPAIRMENT

- Introduction CI D.1
- Visual Contrast in Building Interiors CI D.2
- Detectable Warning Surfaces CI D.3
- Application of Tactile Ground Surface Indicators CI D.4

D.1 INTRODUCTION

Application

D.1.1 Where buildings are required under clause 2.1 of Chapter 2 to be made accessible, qualified persons and designers are encouraged to adopt the recommendations in these guidelines to help create an inclusive environment to meet the needs of persons with visual impairments. It will enable them to move about independently with safety and dignity.

D.1.2 Adequate space allowances should be provided for access routes intended for a guide dog handler and his guide dog as shown in Figure 88. Effort should also be made to consider a minimum 1200 mm width of clear opening of external doorways.

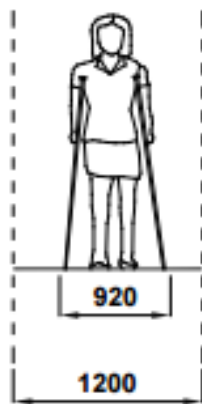
Width of access route and external doorways

D.1.3 Where permanent fixed seating arrangements are provided in accordance with clauses 2.3.5 and 2.3.9, a minimum of one seating should also be provided for a guide dog handler and his guide dog by the aisle. This would facilitate a clear path for the ushers to escort the guide dog handler and his guide dog.

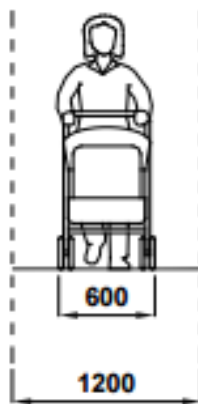
Location of seating for guide dog handler

D.1.4 The orientation and mobility of persons with visual impairments will be greatly enhanced by introducing the concept of :

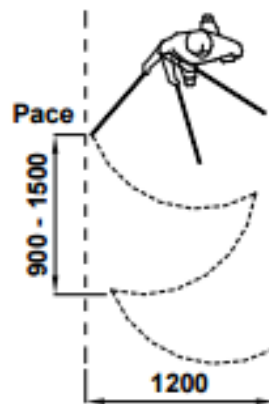
- (a) Visual contrast in building interiors; and
- (b) Detectable warning surfaces.



(a) Person using crutches



(b) Person with baby carriage



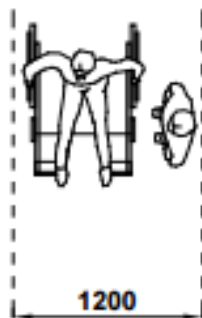
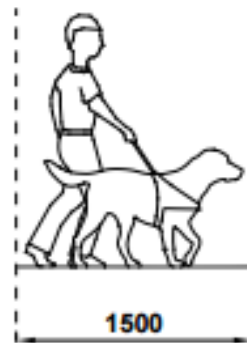
(c) Person with visual impairment using a white cane



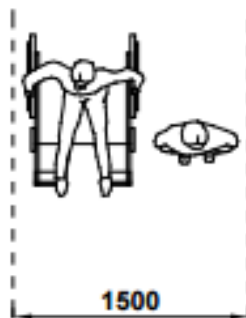
(d) Person with visual impairment and a sighted escort



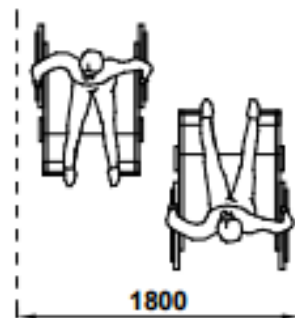
(e) Person with visual impairment and a guide dog



(f) Wheelchair and a person facing sideways



(g) Wheelchair and a person



(h) Two wheelchairs

Figure 88
Comfortable Walking Widths