

3.4. Accessible Audio Visual Alarms and Signs

3.4.1. The requirements for accessible Audio Visual Alarms shall be as per **Table 15.4.**

Table 15.4.: Requirements for Accessible Audio Visual Alarms and Signs

ITEMS	REQUIREMENTS
1. ALARMS	<ul style="list-style-type: none"> i. Accessible audible and visible alarms and notifications devices shall be installed as per Chapter 8. Fire Detection and Alarm Systems. ii. All visible notification appliances provided within the unit for smoke detection notification shall be activated upon smoke detection. iii. All visible notification appliances provided within the unit for building fire alarm notification shall be activated upon activation of the building fire alarm in the portion of the building containing the unit.
2. SIGNS	<ul style="list-style-type: none"> i. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual, and one with raised characters, shall be provided. ii. Directional signs, egress signs, room identification signs and floor identification signs, both in Arabic and English shall have characters in conventional form. Characters shall not be in Italic, oblique, script, decorative or other unusual forms. iii. The uppercase letter "I" shall be used to determine the allowable height of all characters of a font. The uppercase letter "I" of the font shall have a minimum height complying with Table 15.4.a. iv. The uppercase letter "O" shall be used to determine the allowable width of all characters of a font. The width of the uppercase letter "O" of the font shall be 55 percent minimum and 110 percent maximum of the height of the uppercase "I" of the font. v. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height. vi. Characters and their background shall have a non-glare finish. Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background. vii. Braille Signage shall comply with ANSI 117.1. viii. Pictograms shall have a field 150 mm minimum in height. Characters or braille shall not be located in the pictogram field.

Table 15.4.a.: Visual Character and Letters Specifications

HEIGHT ABOVE FLOOR TO BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
1. 1015 MM TO LESS THAN OR EQUAL TO 1780 MM.	Less than 1830 mm	16 mm
2. 1015 MM TO LESS THAN OR EQUAL TO 1780 MM.	1830 mm and greater	16 mm plus 3.2 mm per 305 mm of viewing distance above 1830 mm
3. GREATER THAN 1780 MM TO LESS THAN OR EQUAL TO 3050 MM	Less than 4570 mm	51 mm
4. GREATER THAN 1780 MM TO LESS THAN OR EQUAL TO 3050 MM	4570 mm and greater	51 mm, plus 3.2 mm per 305 mm of viewing distance above 4570 mm
5. GREATER THAN 3050 MM	Less than 6400 mm	75 mm
6. GREATER THAN 3050 MM	6400 mm and greater	75 mm, plus 3.2 mm per 305 mm of viewing distance above 6400 mm