

### 2.8.5. Midrise buildings (Having height more than 15 m but less than 23 m and not Sprinkler protected)

- a. For Midrise buildings exceeding the habitable height of 15 m, accessway shall be provided. Accessway shall be provided based on the gross floor area (including toilets, stores, circulation areas, etc.) of the building footprint projected onto ground level. For Midrise buildings without Sprinkler protection, the extent of Fire access shall be as shown in **Table 2.3**.

**Table 2.3: Extent of Fire Vehicle Access for Midrise buildings without Sprinklers**

AREA OF NON SPRINKLERED MIDRISE BUILDINGS	EXTENT OF FIRE ACCESS
Less than 2000 m <sup>2</sup>	Minimum of 1/6 perimeter (At least 15 m)
2000 m <sup>2</sup> to 4000 m <sup>2</sup>	1/4 perimeter
4001 m <sup>2</sup> to 8000 m <sup>2</sup>	1/2 perimeter
8001 m <sup>2</sup> to 16,000 m <sup>2</sup>	3/4 perimeter
More than 16,000 m <sup>2</sup>	Whole perimeter (100%)

### 2.8.6. Midrise and Highrise buildings (Buildings having height 15 m to 90 m and Sprinkler protected)

- a. For Midrise and Highrise buildings exceeding the habitable height of 15 m, accessway shall be provided. Accessway shall be provided based on the gross floor area (including toilets, stores, circulation areas, etc.) of the of the building footprint projected onto ground level. For Midrise and Highrise buildings with Sprinkler protection, the extent of Fire access shall be as shown in **Table 2.4**.

**Table 2.4: Extent of Fire Vehicle Access for Midrise and Highrise buildings with Sprinklers**

AREA OF SPRINKLERED MIDRISE AND HIGHRISE BUILDINGS	EXTENT OF FIRE ACCESS
Less than 4000 m <sup>2</sup>	Minimum of 1/6 perimeter (At least 15 m)
4001 m <sup>2</sup> to 8000 m <sup>2</sup>	1/4 perimeter
8001 m <sup>2</sup> to 16,000 m <sup>2</sup>	1/2 perimeter
16,001 m <sup>2</sup> to 32,000 m <sup>2</sup>	3/4 perimeter
More than 32,000 m <sup>2</sup>	Whole perimeter (100%)

- b. Where highrise buildings are situated on the podiums, parking structures, architectural features with the tower façade more than 30 m of horizontal separation distance away from the fire access road, following shall apply to such highrise buildings,
  - b.1. Fire access road shall extend and reach the highrise tower perimeter above the podium. Such access shall be a minimum of ¼ (25 percent) of the tower perimeter and in compliance to **UAE Fire and Life Safety Code of Practice 2017, chapter 2. Fire Service vehicle and personnel accessibility specifications**.
  - b.2. Building façade shall comply with **Chapter 2, Section 2.8.10., b.1**.