

5.3. Design

- 5.3.1. Fire station designs vary depending on the category of a fire station.
- 5.3.2. Categories of Fire station shall depend on Risk assessment of the locality that it caters to and the detailed information about the Fire apparatus that to be accommodated.
- 5.3.3. The fire stations are occupied at all times housing Fire fighters. Ensuring their comfort, safety and well being is of high importance.

The following design intent shall be considered for an effective fire station.

- a. Internal response time (Dispatch time)
 - b. Clear distinction between residential space and work space.
 - c. Ease and quick access between Residential, Vehicle bay, training, administrative, maintenance and recreational spaces.
- 5.3.4. The Fire station functional areas shall include the following but not limited to,
- a. Control room
 - b. Enclosed Fire Apparatus Parking
 - c. Maintenance equipment/Store room.
 - d. Administrative Office room
 - e. Living room.
 - f. Bedroom.
 - g. Washroom with shower
 - h. Locker room
 - i. Kitchen
 - j. Pump room
 - k. Water Tank
- 5.3.5. The bedroom sizes, number of beds, living room sizes, fire apparatus enclosed parking sizes, equipment, Control room features, water tank and fire apparatus refilling features and requirements shall be discussed and confirmed with approval from Civil Defence Operation department.
- 5.3.6. The roads and turning facilities, the surface finish etc. shall comply with **Section 2.2. and Table 2.1.** of this chapter.



THEME BASED FIRE STATION AT DUBAI PARKS FOR ILLUSTRATION