

Regulation DD-14.0: Loading/Unloading Docking Arrangements

- 14.1 Proper loading/unloading bay or docking facility for loading/unloading of containers & material etc. shall be provided at the Industrial/Commercial Buildings.
- 14.2 Suitable arrangements shall be made to prevent flooding during rain. For low level docking facility proper rain water collection/pumping out arrangement shall be provided. Wherever it is necessary, a proper guardrails/handrails/curb stone shall be provided. Wherever it is required a Dock Leveller shall be provided.
- 14.3 All lifting machine/equipment shall be driven or operated by authorized UAE license holder/operator only.
- 14.4 Buildings used for industrial/trading activity require trucks or container loading or unloading space/ area and vehicles maneuvering / parking area during loading / unloading activity. The minimum loading & unloading bay and maneuvering space required for specific uses shall be as follows:
- 14.4.1 Retail outlets and service establishments shall provide one loading, unloading and maneuvering space/bay at least 3 meter wide & 12 meter long with a 4 meter height clearance per building.
- 14.4.2 Industrial establishment shall provide one loading & unloading space/bay per 1800 square meter of total area. Each loading space shall be minimum of 4.0 meter wide and 15 meter long plus maneuvering space with a 5 meter height clearance above FFL.
- 14.4.3 Logistics, General Warehousing, Distribution, Freight Forwarding, Shipping Agencies, Trading and Trucking terminals shall provide one loading & unloading space per 450 square meter of total area used for storage, warehousing and shipping. Loading maneuvering space shall be a minimum of 4 meter wide & 20 meter long space with 5 meter clearance above FFL.
- 14.4.4 Any of the required loading area shall have the following minimum dimensions, 3.0 meter width, 12 meter length & 4 meter height. Loading areas shall not be permitted outside of facility/plot limit. Loading areas shall be located and designed/constructed within the plot limit so the vehicle intended to use them can maneuver safely &

conveniently to and from a public right of way and can complete loading & unloading without obstructing or interfering with any public roads, right off way or any parking space. All loading areas shall have adequate lighting.

14.5 For the loading / unloading of mezzanine storage area pallet loading gate/semi-revolving type shall be provided.

14.6 Natural or mechanical ventilation & lighting shall be provided for every part of a ramp & all the necessary provisions shall be made for draining off rain water or cleaning process.

14.7 Vehicle ramps,

14.7.1 Straight ramps shall have a slope that does not exceed 10%, curved ramp shall be not more than 8%.

14.7.2 Driveways used exclusively for ingress & egress shall not exceed 10% slope.

14.7.3 Parking stalls & vehicle manoeuvring areas shall not exceed 2% slope.

14.7.4 The minimum vertical clear height above any point on the ramp shall be 2.4 meter.

14.7.5 Shall be provided with an adequately sized reflector mirror, to improve visibility on curves, sharp turns & whenever poor visibility occurred.

14.8 Public Ramps,

14.8.1 Shall have minimum width of 1.2 meters

14.8.2 Slope shall not be greater than 8%

14.8.3 If the slope is 5 % (1 in 20) or less and there is no drop off then no hand rail is required.

14.8.4 Hand rails installed for wheelchair & for the use by children shall be at a height of 0.6 meters.

14.9 Service access ramps minimum width shall be 0.8 meter, with slopes not greater than 8 % (or minimum of 1:12).