

Milford Community Fire Department
 Considerations and Critical Dimensions for Site Layout

Dimension	Aerial Apparatus¹	Pumper Apparatus¹	Ambulance¹
<i>Overall Length</i>	38ft 9in	30ft 9in	24ft 8in
<i>Overall Width Including Mirrors</i>	9ft 4in	9ft 6in	10ft
<i>Overall Height</i>	11ft 4in	9ft 9in	9ft 10in
<i>Gross Vehicle Weight Rating</i>	66,000lbs	44,000lbs	20,000lbs
<i>Wheelbase²</i>	242.38in	190.50in	175.00in
<i>Turning Radius²</i>	37ft 9in	31ft 3in	24ft 8in
<i>Inner Curb Clearance²</i>	24ft 8in	19ft 3in	Not Available
<i>Outer Curb Clearance²</i>	38ft 5in	31ft 10in	25ft 1in
<i>Vehicle Clearance (Wall-to-Wall)²</i>	42ft 2in	35ft 9in	26ft 3in
<i>Angle of Approach/Departure Maximum</i>	10 degrees	11 degrees	11 degrees
<i>Clear Operating Width³</i>	17ft 1in	17ft 2in	12ft 10in
<i>Clear Operating Height⁴</i>	14ft 3in	11ft 11in	9ft 10in
<i>Clear Operating Length⁵</i>	58ft 2in	41ft 11in	34ft 5in

Notes:

- 1 - Dimensions specific to current MCFD apparatus as of 2017. Dimensions may not accommodate other fire departments' apparatus or apparatus purchased by MCFD after 2017.
- 2 - Dimensions based on engineering drawings provided by apparatus manufacturer, specific to as-built apparatus.
- 3 - 'Clear Operating Width' is the minimum width required to exit, operate, and remove equipment for the vehicle serving its intended purpose during emergency functions. This dimension does not take into account area required to deploy hose.
- 4 - 'Clear Operating Height' is the minimum height required to operate and remove equipment for the vehicle serving its intended purpose during emergency functions. Aerial apparatus is capable of deployment up to 100ft, however clear operating height dimension is minimum to un-bed ladder and rotate left or right.
- 5 - 'Clear Operating Length' is the minimum length required to exit, operate, and remove equipment for the vehicle serving its intended purpose during emergency functions. This dimension does not take into account area required to deploy hose.