



# Fire Department Access



GENERAL ACCESS REQUIREMENTS AS ESTABLISHED BY THE  
2003 INTERNATIONAL FIRE CODE

The 2003 IFC defines a Fire Apparatus Access Road as a road that provided fire apparatus from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as Fire Lane, Public Street, Private Street, Parking Lot Lane and Access Roadway. (Section 502.1 – 2003 IFC)

	GENERAL FIRE DEPT. ACCESS REQUIREMENTS	URBAN-INTERFACE FIRE ACCESS REQUIREMENTS
<b>DISTANCE TO ALL PORTIONS OF A STRUCTURE</b>	150-feet (2003 IFC)	150-feet (2003 IFC)
<b>DIMENSIONS (Width)</b>	Not less than 20-feet (2003 IFC)	Not less than 12-feet (Local Amendments)
<b>DIMENSIONS (Height)</b>	Not less than 13-6 (2003 IFC)	Not less than 13-6 (2003 IFC)
<b>SURFACING</b>	All weather (2003 IFC)  Support 75,000 pounds (Appendix D)	All fire apparatus access roads shall be all-weather surfacing, capable of supporting HS-20 loading and acceptable to the Fire Code Official. (Local Amendments)
<b>TURNING RADIUS</b>	To be determined by the Fire Code Official (2003 IFC)	To be determined by the Fire Code Official (2003 IFC)
<b>DEAD ENDS</b>	Not to exceed 150-ft without an approved turn-a-round (2003 IFC)	Not to exceed 150-ft without an approved turn-a-round (2003 IFC)
<b>TURN OUTS</b>	N/A	Fire apparatus access roads in excess of 200 feet in length and less than 20 feet in width shall be provided with turnouts in addition to turnarounds. (Local Amendments)
<b>MAXIMUM GRADE</b>	10 percent (Appendix D)	10 percent (Local Amendments)



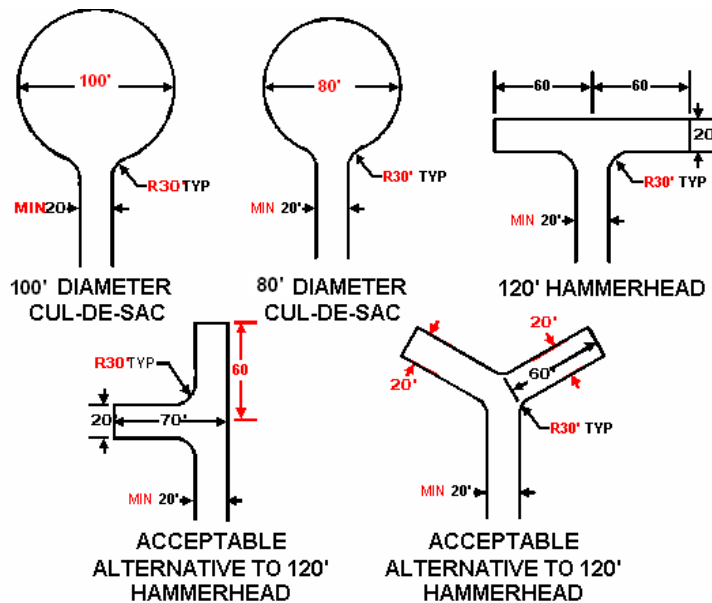
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## D102.1 Access and loading

Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds (34 050 kg).

**Figure D103.1 Dead-End Fire Apparatus Access Road Turnaround.**



**Table D103.4 Requirements for Dead-End Fire Apparatus Access Roads.**

DEAD-END LENGTH (FEET)	MINIMUM ROAD WIDTH (FEET)	APPROVED TURNAROUND OPTIONS (See Figure D103.1)
0 - 150	20	NONE REQUIRED
151 - 500	20	1) 120-FOOT HAMMERHEAD 2) 60-FOOT "Y" 3) 80- FOOT DIAMETER CUL-DE-SAC FOR DEAD-ENDS WITH CURB AND GUTTER 4) 100-FOOT DIAMETER CUL-DE-SAC FOR DEAD-ENDS WITHOUT CURB AND GUTTER
501 - 750	20	100-FOOTDIAMETER CUL-DE-SAC (ADDITIONAL INTERMEDIATE TURNAROUNDS MAY BE REQUIRED)
OVER 750		SPECIAL FIRE DEPARTMENT APPROVAL IS REQUIRED.