

EMERGENCY VEHICLE ACCESS DESIGN REQUIREMENTS FOR:

- PART 3 BUILDING
- PART 9 BUILDING

BUILDING REQUIRED TO FACE

- **1 STREET**
BUILDING FACE HAVING THE PRINCIPAL ENTRANCE (BETWEEN 3M MINIMUM AND 15M MAXIMUM FROM BUILDING FACE TO ROAD EDGE)
- **2 STREETS**
50% OF BUILDING PERIMETER INCLUDING PRINCIPAL ENTRANCE FACE
- **3 STREETS**
75% OF BUILDING PERIMETER INCLUDING PRINCIPAL ENTRANCE FACE

ACCESS ROUTE DESIGN

- MAXIMUM LENGTH OF ACCESS ROUTE FROM HYDRANT TO PRINCIPAL ENTRANCE OF BUILDING – 90M (296 FT)
- HAVE A CENTRE LINE RADIUS NOT LESS THAN 13 M (42 FT. 6")
- HAVE AN OVERHEAD CLEARANCE NOT LESS THAN 5 M (16 FT. 4")
- HAVE A CHANGE OF GRADIENT NOT MORE THAN 1 IN 12.5 OVER A MINIMUM DISTANCE OF 15 M
- BE DESIGNED TO SUPPORT 39,010 KG (86,000 LBS.) GVW SURFACED WITH CONCRETE, ASPHALT OR OTHER MATERIAL DESIGNED TO PERMIT ACCESSIBILITY UNDER ALL CLIMATIC CONDITIONS AND BE MAINTAINED SNOW AND ICE FREE AND PERIMETER DEFINED
- HAVE TURNAROUND FACILITIES FOR ANY DEAD-END PORTION OF THE ACCESS ROUTE MORE THAN 90 M LONG
- BE CONNECTED WITH A PUBLIC THOROUGHFARE
- NWFDR REQUIRED WIDTH 7.3M (24 FT.)
- SIGNAGE - FIRE TRUCK ACCESS LANES TO BE POSTED
- FIRE LANE - NO PARKING AND OUTLINE MARKED IF REQUIRED

Ladder deployment obstructions between the fire truck and the building to be considered.

Example:

- TREES
- TELEPHONE POLES AND LAMP STANDARDS
- OVERHEAD WIRES
- ROOF OVERHANGS
- MAX 70° CLIMBING ANGLE FOR LADDERS

HYDRANT LOCATION

- MAXIMUM UNOBSTRUCTED DISTANCE FROM THE FIRE DEPARTMENT CONNECTION TO A HYDRANT
- 45 M (148 FT)
- MAXIMUM UNOBSTRUCTED FIREFIGHTER PATH OF TRAVEL FROM THE VEHICLE TO THE BUILDING
- 45 M (148 FT)