

Attachment 1

Mesa Fire and Medical Department

Fire Prevention Division



	Risk Definition	Business Occupancies in this Risk Classification	Examples of these Businesses
High Risk	Occupancies that have a higher than average probability of a fire or other emergency occurring due to type and/or quantity of materials stored, used, or handled on site, or because of processes performed in business operations. Additionally, these occupancies include those that have a higher than average risk for injury or death to occupants due to age, physical or mental abilities, occupant load, or size and complexity of structure.	$\label{eq:hardenergy} \begin{array}{l} \mathbf{I} - \text{Institutional} \\ \mathbf{H} - \text{Hazardous} \\ \mathbf{R1/R2/R3/R4} - \text{Residential} \\ \mathbf{A} - \text{Assembly} > 100 \text{ occ} \\ \mathbf{M} - \text{Mercantile} > 50,000 \text{ sq ft} \\ \mathbf{B} - \text{Business} > 50,000 \text{ sq ft} \\ \mathbf{E} - \text{Educational} \\ \mathbf{F} - \text{Factory w/Special Processes or Hazards} \\ - \text{Multi-Floor} > 3 \text{ stories} \\ - \text{Occupancy w/ Hood} \ge 50 \text{ occ} \end{array}$	Large assemblies, hotels, apartments, adult and child care facilities, woodworking, spray finishing, semiconductor manufacturing, hospitals, facilities with high piled storage, and high-rise structures.
Medium Risk	Occupancies that have an average probability of a fire or other emergency occurring due to type and/or quantity of materials stored, used, or handled on site, or because of processes performed in business operations. Additionally, these occupancies have an average risk of injury or death to the occupants in a fire or other emergency.	 A – Assembly < 100 occ F – Factory w/o special processes S – Storage (S1) M – Mercantile 12,000-50,000 sq ft B – Business 12,000 – 50,000 sq ft – Occupancy w/Hood < 50 occ 	Some storage facilities, assemblies not classified as high risk, fast food or smaller restaurants.
Low Risk	Occupancies that have a below average probability of fire or other emergency occurring, or that do not store a type or quantity of hazardous chemicals or products that cause increased risk or concern. Risk of injury or death to occupants is below average.	S – Storage (S2) B – Business < 12,000 sq ft M – Mercantile < 12,000 sq ft U – Unclassified	Convenience stores, self-serve storage units, banks, car washes, professional offices, barber/beauty shops.