



GUAM FIRE DEPARTMENT

DIPATTAMENTON GUAFI GUAHAN

*Professionalism * Respect * Integrity * Dedication * Empathy*



PRE-INCIDENT SURVEY REPORT

Name			
Address		Phone	

EMERGENCY CONTACT

Name		Phone	
Name		Phone	

I. CONSTRUCTION INFORMATION

<input type="checkbox"/> Fire Resistant <input type="checkbox"/> Non-Combustible <input type="checkbox"/> Heavy Timber <input type="checkbox"/> Ordinary <input type="checkbox"/> Wood Frame							
Roof Type	<input type="checkbox"/> Pitched <input type="checkbox"/> Flat <input type="checkbox"/> Arched <input type="checkbox"/> Light Wt. <input type="checkbox"/> Other: _____						
Length		Width		Height		Cubic ft.	
Special construction features							

II. OCCUPANCY

<input type="checkbox"/> Residential <input type="checkbox"/> Business <input type="checkbox"/> Commercial <input type="checkbox"/> Assembly <input type="checkbox"/> Institution <input type="checkbox"/> Education <input type="checkbox"/> Industrial <input type="checkbox"/> Storage			
Life risk	No. of Persons Day	No. of Persons Eve.	
Special Considerations			
Special Hazards			

III. EXPOSURES

Direction	North	South	East	West
Distance				
Stories				
Construction				
Occupancy				

IV. RESOURCES

Hydrants		Equipment			Fire Protection / Detection	
Location	GPM	Alarm	1 st	2 nd	System	Location
		Engine(s)			<input type="checkbox"/> Sprinkler	
		Truck			<input type="checkbox"/> Standpipe	
		Rescue(s)			<input type="checkbox"/> Detection	
		AMB.(s)			<input type="checkbox"/> Alarm	
Initial Fire Flow		Other			<input type="checkbox"/> Other	

V. RESOURCE ALLOCATION

Involvement	25%	50%	75%	100%
Fire Flow				
Firefighters (Suppression)				
Firefighters (Rescue/Other)				
Engine(s)				
Truck				
Rescue(s)				
Other - Tanker				

INSTRUCTIONS

- I. CONSTRUCTION FEATURES-** Special light weight roof supports, Heavy loads on roof, location and type of roof openings, special roof coverings, location and type of firewalls, curtain boards and partitions, location of concealed spaces where fire could travel throughout the structure unseen.
- II. OCCUPANCY AND LIFE RISKS-** Special considerations or hazards- Mobility of occupants, restrictions, areas most often used by occupants, adequate exits. Exit restraints, high occupancy. Hazardous materials and special dangers.
- III. EXPOSURE-**
 - Direction – North, South, East, West
 - Distance - In feet
 - Construction Type – I, II, III, IV, V
 - Occupancy – Assembly, Business, Commercial, Etc.
- IV. RESOURCES-** List the location of hydrants.
- V. FIRE FLOW-** Gallons Per Minute (GPM), Base Flow (BF), Roof Flow (RF)

- 1 gallon of water for every 100 cu. Ft.

$$\frac{\text{Cubic feet (building)}}{100} = \text{Gallons Per Minute (Base Flow)}$$

- Pitched Roof Structure
 - $BF/2 = RF$
 - $BF + RF = \text{Total Base Flow}$
- Occupancy Factor
 - Industrial, Storage, Commercial Structures – $BF \times 2$
 - Residential, Offices, Assembly Structures – NO ADJUSTMENT
 - High hazards, Explosive, Volatile Structure – $BF \times 3$
- Exposure Factor
 - 1 – 3 Stories $BF \times 25\% + BF = \text{Fire Flow}$
 - 4 or more stories $BF \times 50\% = BF = \text{Fire Flow}$
- Involvement Factor
 - $BF \times \% \text{ Involvement} = \text{Adjusted Flow}$

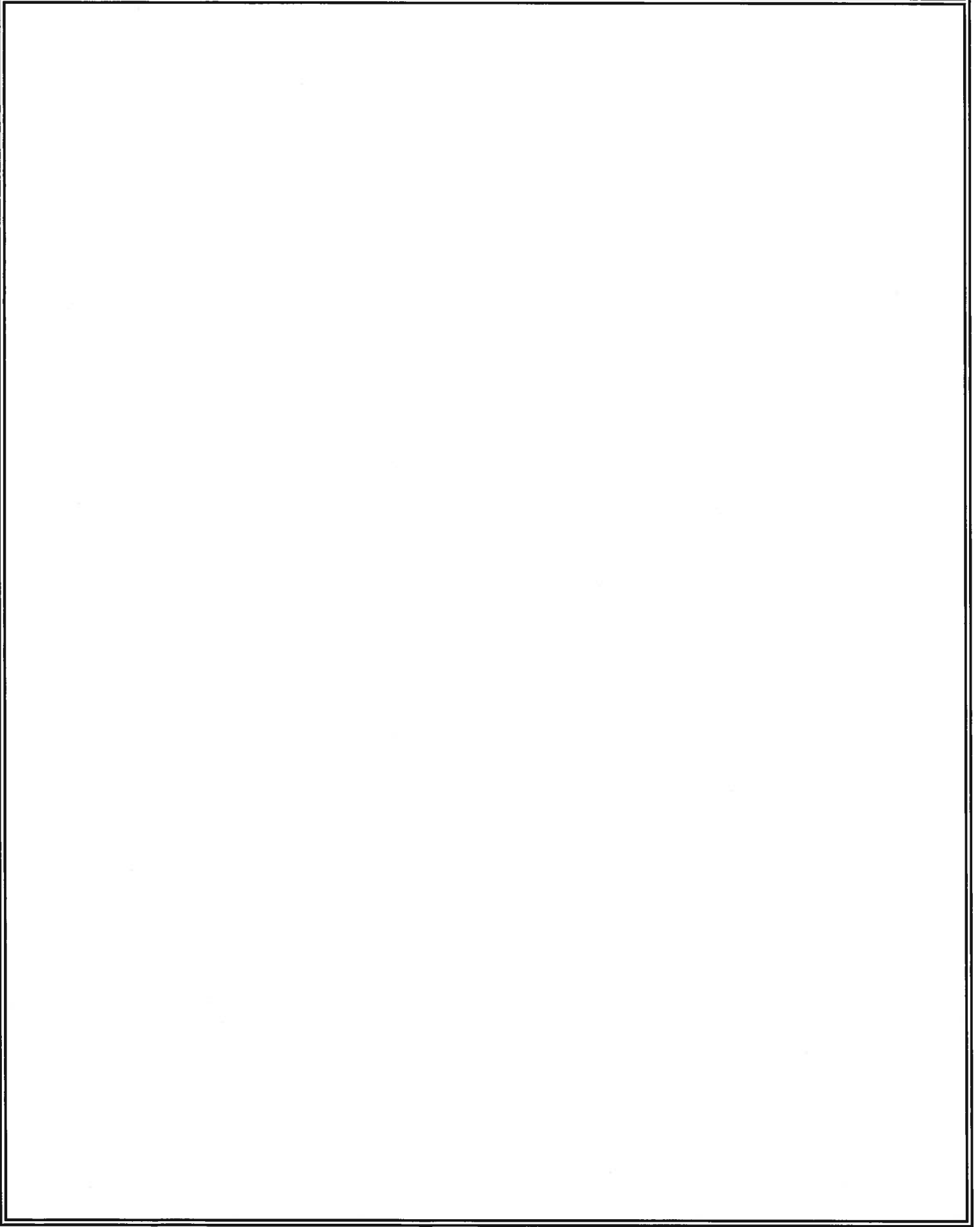
Example: Structure = 75,000 Cu. Ft.
 $75,000/100 = 750 \text{ GPM (BF)}$
 750 GPM Into 100% Column
 563 GPM Into 75% Column
 375 GPM Into 50% Column
 188 GPM Into 25% Column

If 750 GPM is needed for a BF for 75,000 cu. Ft. building and two (2) firefighters are needed to man a 200 GPM line. Then four (4) 200 GPM are required utilizing eight (8) firefighters.

- VI. SPECIAL PROBLEMS/COMPLICATIONS** – This space is used to list access and overhead obstructions and hazards, combustibles stored outside of structure, traffic and pedestrian control, blocked exterior exits and other general conditions that could inhibit operations and endanger lives
- VII. TENTATIVE STEPS TAKEN** – Use this space to list tactical steps to mitigate the spread of fire and protect exposures.

Create or obtain a floor plan from occupants. Check to see if it is the same as the premises. Identify locations of partitions, doors, escape routes, window, location and sizes of corridors inside the structure. Label locations and types of fire protection systems, LP gas, and electrical disconnects, HVAC and other high voltage equipment, special hazard areas and hazardous materials. Sketch and plot map of area showing street access, hydrants, overhead obstructions, traffic lights and map symbols used.

BUILDING DIAGRAM



PLOT PLAN