



**FLOOR PLAN -- G.P. WAREHOUSE  
CENTRAL ISSUE FACILITY - (CIF) -- LARGE  
DEFINITIVE DESIGN**

**BUILDING AREAS: (SQUARE FEET)**

THIS TABLE ILLUSTRATES THE COMBINING OF A "SMALL", "MEDIUM", AND "LARGE" CIF WITH A "BASIC" GENERAL PURPOSE WAREHOUSE PROTOTYPE.

GROSS AREAS:			
CIF *	G.P. WHSE	TOTAL	NOMINAL DIMENSION
• LARGE	63,067	120,698	466' X 388'
• MEDIUM	51,035	132,730	466' X 388'
• SMALL	37,919	120,438	400' X 388'

**NOTE:**  
\* BASIC CIF AREAS ARE ADJUSTED TO ACCOMMODATE  
4 - HOUR FIREWALL SEPARATION REQUIREMENTS

**FIRE PROTECTION AND LIFE SAFETY**

The building shall be fully sprinklered for fire protection. The Architectural and Engineering Instructions (AEI) is the primary basis for establishing the overall criteria for fire protection systems and life safety issues. The AEI designates the other essential design criteria references that are to be utilized in the final design of the facility. The pertinent documents as referenced in the AEI are:

- Military Handbook 1008A (MIL-HDBK 1008A)
- National Fire Codes published by the National Fire Protection Association (NFPA)
- Uniform Building Code (UBC)
- Life Safety Code (NFPA 101)

Design of the fire protection system shall conform to the MIL-HDBK 1008A and to the standards contained in the current National Fire Code. Advisory and recommended practices of the National Fire Code are considered mandatory.

Sprinkler protection shall be based upon storage of Class IV commodities unless a more severe class of storage is anticipated, and shall be based upon a maximum potential storage height in the facility.

Where rack storage in the warehouse exceeds 12 feet in height, the provisions of NFPA 231C shall govern. General storage shall be protected per NFPA 231. All sprinkler systems shall be hydraulically calculated.

Sprinklers required for canopies at loading docks or other exterior locations shall be of the dry-pipe systems where they may be subject to freezing.

Smoke and heat detectors are not required nor desired for this facility. Alarm systems shall be activated by water-flow and by manual pull stations. Fire alarm evacuation systems shall be provided in accordance with NFPA 101, Life Safety Code.

Building construction shall conform to the fire resistance requirements, allowable floor area, and building height limitations of the Uniform Building Code, current edition. Building fire resistance shall also conform to the NFPA 101, Life Safety Code.

The Life Safety Code shall be used for minimum life safety standards of this facility, and include but not necessarily limited to:

- Means of egress
- Occupancy
- Protection of corridors, or exit-ways, etc.
- Interior finishes
- Exit signs
- Illumination of egress
- Emergency lighting

**COMBINATION CIF AND G.P. WAREHOUSE**

The FLOOR PLAN to left indicates the integration of a Standard General Purpose Warehouse with a Large Central Issue Facility (CIF).

The Medium and Small CIF's may also be combined in a similar manner. Refer to "BUILDING AREA" (Square Feet) chart to, left on this plate, for CIF gross areas. Consolidation of functions between the CIF and G.P. Warehouse operations shall be limited to combining of the Shipping/Receiving activity. This is considered a "Site Special Option".

REVISIONS			
SYMBOL	DATE	DESCRIPTION	BY

  

	<b>ORB ORGANIZATION</b> Department of the Army Facility Standardization Program	DATE <b>OCT 30, 1991</b>	PAGE <b>13</b>
	<b>CENTRAL ISSUE FACILITY DEFINITIVE DESIGN</b> US Army Troop Support Agency	FILE NO. <b>22-11-21</b>	SHEET <b>13 OF 13</b>