

Large Facilities Requirements List

1) SERVER FARM

- a) Total space: 4,850 SF
 - i) Raised Floor: 3758 SF
 - (1) Floor Load: 150 PSF
 - ii) Equipment Room: 1,092 SF
 - (1) Floor Load: 450 PSF

- b) Power:
 - i) Primary Power: As required
 - ii) Secondary Power: 480 Volts
 - iii) Utility Full Load Amperage: 1,200
 - iv) Phase: 3

- c) Raised Floor Height: 18"-24"

- d) Total Slab to Understructure Clearance: 12.5'

- e) Air Conditioning:
 - i) Area: 700 SF
 - ii) Loading (if installed on roof): 45 PSF

- f) Standby Generator 550 SF
 - i) If not currently present, ISF will provide a standby generator. The GFF site selection must ensure that the following minimums are met:
 - (1) A location for the standby generator is within close proximity to the Server Farm
 - (2) The local Authorities Having Jurisdiction (AHJ) will allow a standby generator to be installed, including:
 - (a) Regional Air Quality Management District
 - (b) Regional / Local Noise Attenuation Restrictions
 - (c) Local / Regional Fire Marshals / Base PWO
 - (d) Local / Regional Coastal Commissions
 - (3) Fueling and re-fueling can be accessed by mid to large size trucks.
 - (4) Soil conditions are adequate for the ISF Facilities teams to design and install the generator pads sufficient enough to support the weights.

- g) Fire Suppression:
 - (1) Space has an adequate supply of fire suppression water.

- h) Asbestos and other hazardous materials:
 - (1) Asbestos and other hazardous materials free. OR
 - (2) Asbestos and other hazardous materials will be encapsulated in final construction, OR
 - (3) Asbestos and other hazardous materials will be removed by the station prior to start of construction AND
 - (4) A new, detailed hazardous materials survey was conducted on _____.

- i) Relocation of existing personnel and assets:

- (1) Personnel and equipment will be removed prior to turning the facility over to the contractor.

Note: Admin and warehouse spaces should be as close to the Server Farm area as possible.

2) PERMANENT ADMIN

- a) Total space: 2,200 SF
- b) Should be space currently or previously used for administrative purpose, i.e. should have drop ceiling, etc.
- c) Fire Suppression:
 - i) Space has an adequate supply of fire suppression water.
- d) Asbestos and other hazardous materials:
 - i) Asbestos and other hazardous materials free. OR
 - ii) Asbestos and other hazardous materials will be encapsulated in final construction, OR
 - iii) Asbestos and other hazardous materials will be removed by the station prior to start of construction AND
 - iv) A new, detailed hazardous materials survey was conducted on _____.
- e) Relocation of existing personnel and assets:
 - i) Personnel and equipment will be removed prior to turning the facility over to the contractor.
- f) Space is in close proximity to the Server Farm.

3) TEMPORARY ADMIN

- a) Total space: 1,800 SF
- b) Must be space currently used for administration, meetings, or like function
- c) Fire Suppression:
 - i) Space has an adequate supply of fire suppression water.
- d) Asbestos and other hazardous materials:
 - i) Asbestos and other hazardous materials free. OR
 - ii) Asbestos and other hazardous materials will be encapsulated in final construction, OR
 - iii) Asbestos and other hazardous materials will be removed by the station prior to start of construction AND
 - iv) A new, detailed hazardous materials survey was conducted on _____.
- e) Relocation of existing personnel and assets:
 - i) Personnel and equipment will be removed prior to turning the facility over to the contractor.
- f) Space is in close proximity to the Server Farm.

4) PERMANENT WAREHOUSE

- a) Total space: 3,000 SF

- b) Total Slab to Understructure Clearance: 25'
 - i) If a warehouse facility with less overhead space is proposed, it should have an increased footprint to provide the required volume
- c) Fire Suppression:
 - i) Space has an adequate supply of fire suppression water.
- d) Asbestos and other hazardous materials:
 - i) Asbestos and other hazardous materials free. OR
 - ii) Asbestos and other hazardous materials will be encapsulated in final construction, OR
 - iii) Asbestos and other hazardous materials will be removed by the station prior to start of construction AND
 - iv) A new, detailed hazardous materials survey was conducted on _____.
- e) Relocation of existing personnel and assets:
 - i) Personnel and equipment will be removed prior to turning the facility over to the contractor.
- f) Space is in close proximity to the Server Farm.
- g) Loading dock

5) TEMPORARY WAREHOUSE

- a) Total space: 3,000 SF
- b) Total Slab to Understructure Clearance: 25'
 - ii) If a warehouse facility with less overhead space is proposed, it should have an increased footprint to provide the required volume
- c) Fire Suppression:
 - i) Space has an adequate supply of fire suppression water.
- d) Asbestos and other hazardous materials:
 - i) Asbestos and other hazardous materials free. OR
 - ii) Asbestos and other hazardous materials will be encapsulated in final construction, OR
 - iii) Asbestos and other hazardous materials will be removed by the station prior to start of construction AND
 - iv) A new, detailed hazardous materials survey was conducted on _____.
- e) Relocation of existing personnel and assets:
 - i) Personnel and equipment will be removed prior to turning the facility over to the contractor.
- f) Space is in close proximity to the Server Farm.
- g) Loading dock

6) TYPICAL LARGE SERVER FARM FLOORPLAN

