

## T-Hangar Use and Ancillary Storage

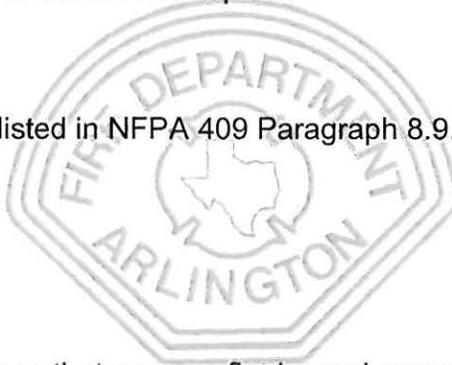
The Arlington Municipal Airport provides T-hangars for lease, and also leases property for private sector development of additional T-hangar space. Existing T-hangars were constructed under the City of Arlington Building Codes as "S-2" hangars with no sprinkler systems or fire suppression walls between the individual units. Chapter 11 of the Fire Code and NFPA 409 addresses aircraft hangars "where no repair work is done except exchange of parts and maintenance requiring no open flame, welding or use of Class I or II liquids." These International Fire Code and NFPA codes were adopted by City Ordinance.

Leases require the tenants to abide by all federal, state and local rules and regulations. An annual inspection of all airport hangars and storage areas will be conducted using the following;

1. The primary use of the T-hangar is for storage of an aircraft. A limited amount of spare parts, tools, and ancillary equipment, used for maintenance and support of the aircraft, may also be stored in an approved manner.
2. No repairs are to be done except exchange of parts and maintenance requiring no open flames, welding or the use of Class I or II liquids.

### Prohibited:

- The following items as listed in NFPA 409 Paragraph 8.9.1:
    - 1) Fuel Transfer
    - 2) Welding
    - 3) Torch Cutting
    - 4) Torch Soldering
    - 5) Doping
    - 6) Spray Painting
  - Any repair or maintenance that poses a fire hazard or requires the use of hazardous materials/liquids
  - Maintenance or repair of the fuel system
  - Interior work requiring application of flammable glues
3. Due to the fuel-rich environment, there shall be no storage or use of open flames or heaters.
  4. There shall be no fuel transfer (refueling or de-fueling) conducted inside hangars.
  5. Aircraft shall not be started inside of the hangar.
  6. There shall be no painting or doping inside the hangar. Doping is referred to a type of lacquer which is applied to fabric coated aircraft. Aircraft dope is highly flammable and extremely toxic.
  7. Due to maintenance purposes, amounts not greater than five (5) gallons of gasoline can be stored in the hangar; however, the gasoline must be stored in a UL approved metal safety container.



8. No more than ten (10) gallons of unused motor oil shall be stored in the hangar. Used motor oil shall be disposed of promptly. An oil waste disposal facility, is available at the Airport Terminal Building.
9. No storage of Class I or Class II liquids

Prohibited:

- Class IA flammable liquids with a flash point below 73 °F and a boiling point below 100 °F
- Class IB flammable liquids with a flash point below 73 °F and a boiling point greater than or equal to 100 °F
- Class IC flammable liquids with a flash point greater than or equal to 73 °F and below 100 °F
- Class II combustible liquids with a flash point greater than or equal to 100 °F and below 140 °F

Allowed:

- Class IIIA combustible liquids with a flash point greater than or equal to 140 °F and below 200 °F
  - Class IIIB combustible liquids with a flash point greater than or equal to 200 °F
10. Hand-held or motorized equipment used to move aircraft to and from the hangar may be used. Equipment other than that generally used to move aircraft on the airport may be used, but will require approval by the Fire Department prior to use.
  11. Any modifications or additions to the interior of the hangar or the electrical system must have prior approval of the City. Please visit the Community Development and Planning One Start Center, located on the 2<sup>nd</sup> floor of City Hall or visit the website <http://www.arlingtontx.gov/build/index.html> for more information.
  12. One refrigerator shall be allowed in the hangar. The refrigerator shall be raised a minimum of 18 inches off the ground. The platform for the refrigerator shall be of a non-combustible construction.
  13. No more than one (1) four-drawer metal filing cabinet, or no more than two (2) two-drawer metal filing cabinets shall be allowed.
  14. No more than one (1) metal desk or table and no more than four (4) chairs shall be allowed.
  15. No more than two (2) metal shelves and two (2) metal closing cabinets (or any combination thereof) shall be allowed.
  16. No more than one (1) "Shop Vac" shall be allowed. (No restriction on size)
  17. One (1) air compressor of 20 gallons maximum capacity shall be allowed.
  18. No more than two (2) bicycles shall be allowed.

19. No more than two (2) roll-chest toolboxes shall be allowed.
20. No more than one (1) metal-framed workbench shall be allowed. Drawers shall also be constructed of metal. The top of the bench can be of wood construction.
21. One (1) 20-B:C portable fire extinguisher shall be provided in each hangar. The extinguisher shall be inspected annually by a certified fire extinguisher company.
22. Drip pans shall be placed under each engine of the aircraft.
23. One (1) "No Smoking" sign shall be posted at the rear of the hangar and be visible from the hangar entrance.

