



## **PRODUCT SPECIFICATION DEF Enclosures**

The DEF Shelter shall provide a contained environment for a DEF fluid tank and DEF storage/dispensing equipment. The equipment shall include but is not limited to above ground storage tank, piping, pump, metering and dispensing equipment, climate control equipment and electrical equipment. The Shelter shall be weather tight and capable of maintaining the DEF fluid to ISO 22241-3-4 specifications when used with the above mentioned equipment. The DEF Shelter shall protect the DEF fluid and DEF equipment from ultraviolet exposure. The DEF Shelter shall be fully insulated and all components of construction shall be corrosive resistant.

### **SYSTEM SPECIFICATIONS**

1.01 The DEF Shelter shall:

- A. Be installed above ground on suitable pad or foundation.
- B. Be of sufficient size to allow all piping, fittings and DEF tank to be contained within the DEF Shelter.
- C. Allow access to install or remove the DEF tank and all related equipment.
- D. Allow access to DEF piping and equipment for service or inspection without removing DEF tank.
- E. Be suitable for installation of 120 vac/220 vac electrical service.
- F. Allow for installation of heater, air conditioner, dehumidifier or normal climate control equipment.
- G. Walls and roof shall be constructed of approved fiberglass with an expanded foam core for installation.
- H. Shelter shall be capable of providing secondary containment of storing double wall DEF tank.
- I. Shall be designed and built to equal or exceed ISO 22241-3-4.

1.02 Construction Specifications:

- A. Fiberglass panels shall be manufactured of polyester resin and "C" grade fiberglass mat. The interior and exterior walls shall be molded contact FRP.
- B. Fiberglass roof and wall panels shall have an expanded low density foam core.
- C. Floor shall be high density composite.
- D. All fastener and metal hardware shall be 6061 T6 aluminum.
- E. All doors and panels shall be lockable and secure.
- F. Floor sub-framing shall be non-corrosive.
- G. Enclosure shall have a snow load rating of 40 lbs per square foot.
- H. Have a five (5) year limited warranty.