# STATEMENT OF WORK (SOW)
# FOR
# SUPPLY AND INSTALLATION OF 80’ X 112’ TENT STRUCTURE

**PURPOSE**
This Statement of Work (SOW) defines the requirements for sourcing, delivering, and installing an approximately 80’ x 112’ engineered tent structure at Volk Field Air National Guard Base (ANGB). The structure will provide a durable, climate-resilient covered area suitable for year-round use in a northern tier environment.

**BACKGROUND**
The designated installation area is located within a fenced compound at Volk Field CRTC. The government requires a permanent-grade tensioned fabric structure to protect mission-essential equipment and personnel from severe weather conditions typical of northern tier Air Force bases, including extreme cold, heavy snow loads, high winds, hail, and rapid freeze-thaw cycles.

**SCOPE**
The contractor shall provide all labor, materials, equipment, engineering, transportation, and installation services necessary to deliver a fully functional, anchored, and code-compliant tent structure. All dimensions provided are approximate and shall be verified by the contractor prior to fabrication and installation.

## TECHNICAL REQUIREMENTS

### A. STRUCTURE DIMENSIONS AND CONFIGURATION
- Approximate footprint: 80 feet x 112 feet
- Interior design: Open, column-free clear span
- Structural system: Arched trusses spanning the full width
- Wall configuration: Vertical sidewalls and end walls
- Minimum interior clearance: 12 feet beneath lowest structural element

### B. CLIMATE AND ENVIRONMENTAL PERFORMANCE
The structure must be engineered and rated to withstand northern tier Air Force Base environmental conditions, including:
- Snow load: Must meet or exceed local base-specific design snow load requirements
- Wind load: Must meet or exceed local wind rating requirements
- Cold weather durability: Materials must resist brittleness, cracking, and thermal degradation
- Hail resistance: Fabric and structural components must withstand hail impact
- Temperature extremes: Must tolerate rapid temperature fluctuations and freeze-thaw cycles

### C. FABRIC AND MATERIAL REQUIREMENTS
- Structure fabric shall be rated for a 20+ year lifespan
- Color: Desert tan or similar solid neutral color
- Fabric must be UV-resistant, mildew-resistant, and engineered for long-term outdoor exposure
- All metal components shall be corrosion-resistant and suitable for cold-weather environments

### D. ANCHORING AND SITE ADAPTATION
- Structure shall be site-adapted to the existing concrete pad
- Anchoring system must be engineered for the pad’s thickness, strength, and condition
- Contractor shall verify pad suitability and propose corrective measures if required

## ACCESS AND EGRESS REQUIREMENTS

### A. FABRIC ACCESS DOORS
- Vertical accordion-style fabric doors shall be installed on both sidewalls and end walls

- Doors must provide 12 feet (minimum) of overhead clearance when fully open
- Doors must be operable manually by a single individual
- Door design must prevent binding or failure in cold weather

**B. RIGID MAN DOORS**

- Rigid personnel doors shall be installed adjacent to fabric access doors
- Placement must allow ingress/egress without opening the large fabric doors
- Doors must meet applicable safety, fire, and egress requirements

**INSTALLATION REQUIREMENTS**

- Contractor shall verify all dimensions prior to fabrication
- Installation shall occur within the fenced area designated by the government
- Contractor shall provide all equipment necessary for safe installation in winter conditions
- All work shall comply with applicable federal, state, and local codes, including UFC and IBC standards

**DELIVERABLES**

- Engineered structural drawings
- Fabrication drawings and material specifications
- Snow load and wind load certification
- Anchoring plan
- Warranty documentation
- Operations and maintenance manuals

**WARRANTY**

The contractor shall provide a minimum 20-year fabric warranty and a minimum 10-year structural warranty covering defects in materials, workmanship, and environmental performance.

**GOVERNMENT RESPONSIBILITIES**

- Provide access to the fenced installation area
- Provide any existing site drawings or pad specifications
- Coordinate installation schedule with base operations

**ACCEPTANCE CRITERIA**

The Government will inspect the completed structure to verify:

- Compliance with all dimensional, structural, and environmental requirements
- Proper anchoring and tensioning
- Smooth operation of all fabric and rigid doors
- Absence of defects, damage, or installation deficiencies
- Items not meeting requirements will be corrected or replaced at no additional cost.

All questions regarding this Statement of Work shall be directed to the Volk Field Contracting Office at WI.CRTC.VF.Contracting@us.af.mil