STATEMENT OF WORK

Repair Fire Suppression System, Maint Hangar B2280

Project #: WWYK190068
Work Order #: 20435 - Amend

Revision: 0
Issued: 07 Oct 22

1. SCOPE OF WORK

1.1 GENERAL

This Order is classified as a 'Construction Only' Order, as defined in the MAC-BOA Statement of Work, Section 1.3.3 (*Construction Only*).

The work to be performed under the terms of this contract consists of furnishing all materials, labor, plant, tools, transportation, equipment, testing services, quality control and incidentals required to accomplish the repair/replacement of the fire suppression system and associated fire protection equipment in the Maintenance Hangar, B2280 at Tinker Air Force Base (AFB), Oklahoma (reference the contract drawings for additional location information).

The Contractor shall be responsible for identifying the necessary logistical, architectural and structural work elements required to perform the work as described herein. Assemblies, framework, fixtures or apparatus not readily identified on plans or this Statement of Work (SOW) shall be provided by the Contractor as required for a complete, fully operating and functioning system or systems, ready for use by the Government.

Information such as floor plan layouts, dimensions, structural, mechanical and electrical data, and location of underground utilities provided by the Government for existing and new construction are based on available as-built documentation, field observation, and equipment selected as design basis by the Government. This information is to be considered approximate and shall be field verified by the Contractor.

The Contractor shall perform a site investigation to verify existing conditions. If necessary, additional as-built drawings are available from 72 ABW/CE - Engineering Support, located in B400.

1.2 CONTRACTOR'S PROPOSAL

1.2.1 Proposal Package

The Contractor shall submit a proposal package in accordance with the MAC-BOA Statement of Work, Section 13.4 (*Proposal Package*).

For purpose of developing the proposal, this Order shall be considered a Routine requirement in accordance with the MAC-BOA Statement of Work, Section 13.3 (*Contractor's Proposal*).

1.2.2 Estimated Construction Schedule

Contractor's proposed schedule must demonstrate a reasonable and realistic sequence of activities which represent all work through the entire contract performance period (reference section PERIOD OF PERFORMANCE below), taking into account the major work elements from the detailed cost proposal, as well as submittal reviews, mobilization, material delivery times, anticipated weather delays, and final inspection/closeout.

In developing the estimated schedule, the Contractor shall account for the following milestones and Government review times in addition to construction activities:

DELIVERY SCHEDULE & SUBMITTALS		
Item of Work & Deliverables	**Government Review Time (calendar days)**	**Remarks**
Contract Pre-construction Conference/ Notice to Proceed (NTP)	1 day	At Tinker AFB
Baseline Construction Schedule and Schedule of Values	14 days	Provide within 10 days of NTP
SD-01 Preconstruction Submittals (except as noted below)	14 days	Provide all preconstruction submittals within 30 days of NTP
Health and Safety Plan	21 days	
Internal Combustion Engines Plan	21 days	
Entry Access List / Vehicle Entry Access List	14 days	Must be approved prior to obtaining access to controlled/restricted areas
Airfield Construction Waiver	60 days	Must be provided by 1st business day of month
Notice of Proposed Construction (FAA Form 7460-1)	60 days	Must be provided by 1st business day of month
Request for Contractor Staging Area	30 days	Must be approved prior to mobilization
Storm Water Pollution Prevention Plan (SWPPP)	21 days	Must be approved prior to submitting Tinker Excavation Permit Request
Water System Construction Permits	30 days	
Chemical/Hazardous Material Request/Authorization	21 days	
Spray Painting Plan	21 days	
Abatement Submittals (asbestos, lead based paint)	21 days	
Material Submittals (SD-03, SD-04, SD-07, SD-08)	14 days	Provide within 30 days of NTP
Contract Pre-Construction Conference/NTP: Begin Mobilization	1 day	At Tinker AFB; may be waived by CO
Outages	21 days	
Closures (roadway, parking aisles, etc.)	60 days	

DELIVERY SCHEDULE & SUBMITTALS		
Item of Work & Deliverables	**Government Review Time (calendar days)**	**Remarks**
Tinker Excavation Permit Request	14 days	SWPPP must be approved prior to submittal
Construction Submittals (SD-06, SD-09)	14 days	
Final/Closeout Submittals (SD-10, SD-11)	14 days	Must be approved prior to final inspection.
Pre-final Inspection	7-day Minimum Notice	Contractor must have completed internal pre-final and resolved all punch list items from this inspection
Final Inspection	7-day Minimum Notice	All final/closeout submittals must be approved. Contractor must have resolved all punch list items from pre-final inspection

Note: Information provided in this table is provided to assist the Contractor in developing the construction schedule. Review times may vary depending on the complexity of the submittal.

1.2.3 Contractor Personnel Resumes

Provide names of personnel who will be fulfilling key positions defined in MAC-BOA Statement of Work, Section 3.1 (*Contractor Personnel*). Submitted names must be included in the Contractor's current organizational chart; reference the MAC-BOA Statement of Work, Section 4.2 (*Organizational Chart*).

1.3 SPECIAL REQUIREMENTS

1.3.1 Government Occupancy of Facilities

The facility will remain occupied throughout construction.

The construction area, a reasonable buffer area, and any approved staging areas will not be cleared of all Government materials and personnel prior to the start of construction.

Contractor shall consult with the Government Project Manager/Construction Inspector and the Using Agency to coordinate procedures; means of access; space for storage of materials and equipment; and use of approaches, corridors, and stairways in such a way that accommodates the continued performance of the User’s mission during construction.

1.3.2 Period of Performance

The Contractor’s period of performance (PoP) shall not exceed 360 days.

(a) All preconstruction and material submittals shall be submitted for approval during the initial 30 days of the contract. Long lead items may be submitted prior to NTP.

(b) Contractor shall mobilize to the site within 30 days of NTP. The government requests a minimum of 30 days' notice to coordinate dock outages.

(c) Once mobilized, all on-site work shall be substantially complete within 300 days.

(d) Final 30 days of PoP are reserved for submittal of close-out documentation and final acceptance.

It is anticipated that these requirements can be met utilizing normal duty hours (reference the Section *Working Hours* below); however, the Contractor will be authorized (and expected) to work weekends, holidays, and additional shifts as required to accomplish the work in the allotted timeframe. This is to include all testing, inspection and acceptance actions.

1.3.3 Working Hours

In accordance with the MAC-BOA Statement of Work and Tinker AFB General Specifications, Section 00 70 00, *General Requirements for Construction on Tinker Air Force Base*, construction shall take place during normal duty hours (0700 – 1600 Monday-Friday); utility outages will be the exception.

Note: In order to meet schedule (reference section PERIOD OF PERFORMANCE above), the Contractor may request additional work hours (in the form of additional shifts, weekends, and/or holiday work) at no additional cost to the Government.

1.3.4 Phasing

There is a Government-required construction phasing for this Order. The maximum allowable downtime for phase (1) one and phase (3) three is (1) one week each. The maximum allowable downtime for phase (2) two and phase (4) four is (6) six weeks. Contractor shall utilize after-hours and weekend labor as needed to meet these maximum downtime requirements.

Construction will be phased as follows:

PHASE 1 DESCRIPTION:

1. CONSISTS GENERALLY OF THE REMOVAL OF THE UNDER-WING MONITORS AND ASSOCIATED ABOVE GROUND PIPING.
2. REMOVE ALL ABOVE GROUND PIPING BACK TO BUILDING'S RISER WITHIN WEST MECHANICAL ROOM. PENETRATION FROM DEMOLISHED PIPING WILL BE PATCHED AS PER PROJECT SPECIFICATION TO MAINTAIN ELECTRICAL CLASSIFICATION.
3. REMOVE UNDER WING MONITORS AFFF FOAM TANKS ASSOCIATED TRIM.
4. REMOVE EXISTING UNDER WING MONITORS DELUGE VALVES.
5. REMOVE EXISTING UNDER WING MONITORS.
6. AFFF TANKS AND ASSOCIATED PIPING UP TO THE PROPORTIONING VALVE TO BE ACCOMPLISHED UNDER SEPARATE AFCEC CONTRACT.

PHASE 2 DESCRIPTION:

1. CONSISTS GENERALLY OF THE REMOVAL OF THE OVERHEAD FOAM WATER SPRINKLER SYSTEM.
2. DEMOLISH EXISTING DET-TRONICS RELEASING PANEL SERVING THE SOUTH DOCK.
3. DEMOLISH EXISTING FLAME DETECTOR AND ASSOCIATED CONDUIT WITHIN SOUTH DOCK.
4. INSTALL NEW WET SPRINKLER SYSTEM WITHIN THE SOUTH HANGER BAY.
5. INSTALL NEW X3301 MULTISPECTRUM IR FLAME DETECTOR WITHIN SOUTH HANGAR BAY.
6. FOLLOWING THE SUCCESSFUL FINAL INSPECTION OF THE OVERHEAD WET SPRINKLER SYSTEM WITH THE BASE FIRE PROTECTION ENGINEER, BASE FIRE DEPARTMENT, AND PROJECT COR CONTRACTOR MAY PROCEED TO PHASE 3.
7. AFFF TANKS AND ASSOCIATED PIPING UP TO THE PROPORTIONING VALVE TO BE ACCOMPLISHED UNDER SEPARATE AFCEC CONTRACT.

PHASE 3 DESCRIPTION:

1. CONSISTS GENERALLY OF THE REMOVAL OF THE UNDER-WING MONITORS AND ASSOCIATED ABOVE GROUND PIPING.
2. REMOVE ALL ABOVE GROUND PIPING BACK TO BUILDING'S RISER WITHIN WEST MECHANICAL ROOM. PENETRATION FROM DEMOLISHED PIPING WILL BE PATCHED AS PER PROJECT SPECIFICATION TO MAINTAIN ELECTRICAL CLASSIFICATION.
3. REMOVE EXISTING UNDER WING MONITORS DELUGE VALVES.
4. REMOVE EXISTING UNDER WING MONITORS.
5. AFFF TANKS AND ASSOCIATED PIPING UP TO THE PROPORTIONING VALVE TO BE ACCOMPLISHED UNDER SEPARATE AFCEC CONTRACT.

PHASE 4 DESCRIPTION:

1. CONSISTS GENERALLY OF THE REMOVAL OF THE OVERHEAD FOAM WATER SPRINKLER SYSTEM.
2. DEMOLISH EXISTING DET-TRONICS RELEASING PANEL SERVING NORTH HANGAR BAY.
3. DEMOLISH EXISTING FLAME DETECTOR AND ASSOCIATED CONDUIT WITHIN DOCK ONE.
4. INSTALL NEW WET SPRINKLER SYSTEM WITHIN THE NORTH HANGER BAY.
5. INSTALL NEW X3301 MULTISPECTRUM IR FLAME DETECTOR WITHIN THE NORTH HANGAR BAY.
6. AFFF TANKS AND ASSOCIATED PIPING UP TO THE PROPORTIONING VALVE TO BE ACCOMPLISHED AFCEC CONTRACT.

Phases 1, 2, 3, and 4 may be accomplished concurrently to reduce overall construction time if allowed by the government.

Phasing discussed above shall be reflected in the Contractor's estimated construction schedule (provided with the proposal).

1.3.5 FOD Awareness and Prevention Training

In accordance with Tinker AFB General Specifications, Section 00 71 00, *General Safety Requirements for Construction on Tinker Air Force Base*, all Contractor personnel working on this Order will be required to complete Foreign Object Debris (FOD) awareness and prevention training.

The work to be performed for this Order will require the Contractor to work in or travel through areas near operational and/or production aircraft or related components.

The work to be performed requires that special attention be given to tools when working in and around the flight line. The Contractor shall utilize a means of tracking tools for the duration of this project. A list of tools signed by the Contractor's Quality Control Manager shall be provided to the Construction Inspector prior to construction start with periodic updates submitted during construction and final list at completion. All tools shall be accounted for at the end of each day and at the completion of the project.

1.3.6 Air Field Operations

The work to be performed under this contract is located in an Air Field Operations area.

All Contractor activities on the airfield shall be pre-coordinated with the CO in conjunction with the Airfield Manager prior to the Contractor proceeding on the airdrome. The Contractor shall adhere to the provisions of TAFBI 13-204, *Airfield Operations*; and Tinker AFB General Specifications, Sections 00 71 00 and 00 80 05, *Special Provisions for Working on or Near the Airfield*.

This Order will require the Contractor to obtain and 'Airfield Construction Waiver' in accordance with Tinker AFB General Specifications, Section 00 71 00. No construction may start on any part of the airfield until the Base Commander (72ABW/CC) has approved the waiver.

1.3.7 Controlled/Restricted Area(s)

Work to be performed under this Order is located in a controlled area.

AF Form 1199C, *USAF Entry Control Card* (i.e., Secure Area Badge) is required for Contractor personnel to access the controlled area/work site.

Contractor must provide an Entry Access List (EAL) for all personnel and a Vehicle Entry Access List (VEAL) for approval prior to construction. EAL/VEAL must be submitted to the COR a minimum of fourteen (14) days prior to when access will be required to the work site. Work may not commence until the EAL/VEAL is approved.

Note that any change to contractor personnel or vehicles being brought into the controlled area will require a resubmission of the EAL/VEAL; timelines for approval will be the same as for the initial submission. New personnel or vehicles may not be brought onto the worksite until the revised EAL/VEAL is approved.

1.3.8 Contracting Officer’s Representative

The Contracting Officer's Representative (COR) is an individual designated by the Contracting Officer upon award of the Task Order and authorized to perform specific technical or administrative functions.

The COR is not authorized to make any commitments or changes that will affect price, quality, quantity, delivery, or any other term or condition of the contract. It shall be the Contractor's responsibility to contact the CO concerning any matters where the Contractor believes that the direction received from the COR may affect price, quality, quantity, delivery, or any other term or condition of the contract prior to performing work or purchase of material.

1.4 BADGE(S)

AFMC Form 387, *Air Force Material Command Identification Cards* (i.e., contractor badges) are required for Contractor personnel to access/work on Tinker AFB. The Contractor must have all personnel badged prior to commencing work.

Contractor shall designate an employee to act as Certifying Official for all personnel requiring badges. The designated Certifying Official shall complete DD Form 577, *Appointment/ Termination Record – Authorized Signature* and submit to the COR upon award of the contract.

Upon approval, Contractor's Certifying Official will be responsible for completing an AFMC Form 496, *Application for AFMC Identification Card*, for all personnel requiring a contractor badge. Badges are issued at B6611, Pass and ID.

Badges shall be displayed on the outer clothing, on the front of the body between the neck and waist and must be visible at all times.

1.5 OUTAGES AND CLOSURES

Request utility outages and/or closures in accordance with TAFB Standard Operating Procedure *Planned and Emergency Outages*. Outage may be required to be performed outside of normal duty hours. The Contractor shall provide temporary lighting and power that may be required for continued performance of User's mission during outages.

1.6 RECOVERED MATERIAL DETERMINATION FORM (RMDF)

No products listed in the Comprehensive Procurement Guideline (CPG), Biobased, Energy Star, or Federal Energy Management Program (FEMP) Low Standby Power programs have been included in this Order.

1.7 ENVIRONMENTAL MANAGEMENT (EM) SURVEY

An EM survey indicates there are no asbestos containing materials (ACM) or heavy metals (HM) concerns for area(s) where work is to be performed. If at any time the Contractor encounters suspect environmental conditions, they shall notify the CO.

An EM survey indicates there are lead based paint (LBP) concerns for area(s) listed below, however, this area does not have plans to receive any work. The following have been identified:

(a) On the steel structural beam of the storage room

(b) On part of the south cement wall

Removal of this paint can only be performed by a competent trained worker and practices that would create dust hazards should be avoided.

If at any time the Contractor encounters suspect environmental conditions not identified above, they shall notify the CO.

1.8 HEALTH AND SAFETY

Commander's Statement of Safety Intent – The safety of everyone on Tinker AFB is our top priority. All individuals must accept personal responsibility for safety and seek opportunities for improving the safety of our work environment. Everyone working on Tinker AFB is challenged to find, fix (if able) and report all hazards and near-misses. It is our shared duty to take every reasonable step and precaution to prevent accidents and preserve the health/safety of each contractor and government employee.

Reference the MAC-BOA Statement of Work and Tinker AFB General Specifications, Section 00 71 00 for additional information.

1.9 BIOENVIRONMENTAL REGULATIONS

(a) To assist in the evaluation of health hazards & to provide emergency medical treatment, Contractor must have Material Data Sheets (MDS) for hazardous materials reviewed and exchange of HAZCOM information accomplished prior to use. Process hazardous material in accordance with Tinker AFB General Specifications, Section 00 72 00, *Environmental Requirements for Construction on Tinker AFB*.

(b) Ventilation measurements must be in accordance with current edition of ACGIH Ventilation Manual and 29 CFR 1910.94.

(c) Welding, cutting, or brazing operations must be in accordance with 29 CFR 1910.252. The Contractor shall not operate welders near chlorinated hydrocarbons.

(d) Hazardous noise levels in the vicinity of DoD Active Duty and Civilians must be in accordance with OSHA 29 CFR 1910.95 and AFI 48-127, Occupational Noise and Hearing Conservation Program.

(e) Where confined spaces may be involved, ensure confined space entry permits are acquired prior to entering a confined space. Personal Protective Equipment (PPE) must be in accordance with 29 CFR 1910.146 and AFOSH Std 91-25.

2. PRECONSTRUCTION & CONSTRUCTION SERVICES BY CONTRACTOR

2.1 CONTRACT SCHEDULE AND PROGRESS REPORTING

Contract Schedule and Progress Reports shall be developed and submitted in accordance with the MAC-BOA Statement of Work, Sections 14.4 (*Contract Schedule*) and 14.5 (*Contract Progress Reporting*).

For the purposes of this contract, the Contractor shall submit contract schedules in the 'Network Analysis Schedule (NAS)' format.

2.2 CONSTRUCTION

The Contractor shall execute the work as indicated in the attached drawings and specifications.

All construction shall fully comply with the Government's drawings and specifications (reference paragraph GOVERNMENT FURNISHED DRAWINGS, SPECIFICATIONS & REFERENCES below); the most current editions of Tinker AFB Facility Standards; and any approved Contractor generated shop drawings or 'delegated' design.

All construction shall comply with the most current versions of codes/standards/regulations referenced by the above publications.

The term 'most current' is to be understood to mean, “Most current as of date of contract award.”

In case of conflict between the contract documents, governing codes or standards, and the Tinker AFB facility standards, Contractor shall submit a request for information (RFI) to the Government for resolution.

2.3 ORDER OF PRECEDENCE

In the event of a conflict or inconsistency between any of the provisions of this contract, precedence shall be applied in the following order:

- Any portions of the accepted proposal which both conform to and exceed the provisions of the solicitation.
- The provisions of the solicitation, including:
  - The Solicitation, Offer and Award
  - Specifications
  - Drawings
  - SOW
- All other provisions of the accepted proposal.
- Any contractor generated ‘delegated’ design products including, but not limited to: plans, specifications, engineering studies and analyses, shop drawings, and equipment installation drawings.

2.4 RECORD DRAWINGS

2.4.1 Working As-Built Drawings ('Redline' Set)

The Contractor shall keep a careful record at the job site of all changes and corrections from the layouts shown on the Construction drawings. The working as-built drawings shall clearly indicate authorized field changes, updates based on existing conditions and corrections to the drawings. After substantial completion and prior to final inspection, the Contractor shall submit working as-built drawings for Government use during the inspection walkthroughs; at the end of the inspection, the Government and Contractor will identify any additional redlines that need to be added. Reference Tinker AFB General Specifications, Section 01 78 00 for additional information.

2.4.2 As-Built Drawings

After the final inspection, and after all Punch List Items have been completed, the Contractor shall incorporate the redlines into the CAD files, making any necessary changes from the inspections, and submit this final set as the Final As-built drawings. These drawings shall be labeled 'AS-BUILT' and submitted for Government approval. Reference Tinker AFB General Specifications, Section 01 78 00 for additional information.

Shop drawings shall be in accordance with the 'additional record drawings' requirements of Tinker AFB General Specifications, Section 01 78 00.

2.5 OPERATIONS & MAINTENANCE (O&M) MANUALS AND TRAINING

The Contractor shall provide O&M manuals for Government approval a minimum of 30 calendar days prior to the final inspection. Reference Tinker AFB General Specifications, Sections 01 78 00 and 01 78 23, *Operation and Maintenance Data*, for additional information.

The Contractor shall provide training for Government operations and maintenance personnel. Provide a training plan for Government approval a minimum of 30 calendar days prior to the final inspection. Reference Tinker AFB General Specifications, Sections 01 78 00 and 01 78 23 for additional information.

2.6 DD FORM 1354 REQUIREMENT

The Contractor shall submit a DD Form 1354, *Transfer and Acceptance of Military Real Property*, for Government approval a minimum of 14 calendar days prior to the final inspection. Reference Tinker AFB General Specifications, Section 01 78 00 for additional information.

3. GOVERNMENT FURNISHED DRAWINGS, SPECIFICATIONS & REFERENCES

3.1 DRAWINGS

Refer to Appendix A, Project Drawing Index. Drawing files, in PDF format, are included on the attached CD.

3.2 SPECIFICATIONS

Refer to Appendix B, Project Specification Table of Contents. Specification files, in PDF format, are included on the attached CD.

3.3 BASE STANDARDS / REFERENCE DOCUMENTS / FORMS

Refer to Appendix C, Tinker AFB Facility Standards and Reference Documents. Tinker AFB facility standards and reference files, in PDF format, are included on the attached CD.

4. GOVERNMENT FURNISHED PROPERTY:

There is no Government Furnished Property included in this contract.

5. STAGING/STORAGE AREA(S):

Contractor shall limit all applicable storage of materials, equipment, and incidentals to the immediate construction site while work is being performed. If the Contractor requires additional storage area(s) other than the project site, a request shall be submitted in accordance with Tinker AFB General Specifications, Section 01 50 00, *Contractor Facilities*.

It is recommended that the Contractor make arrangements for storage of equipment between its delivery and its installation, as availability of space and security during non-working hours cannot be guaranteed.

6. 'OR EQUAL' CLAUSE:

Where reference is made in the specification or on the drawings to specific manufacturers and/or model numbers of equipment or materials, the information is provided to indicate design intent and to establish the minimum quality standards, physical attributes, and performance characteristics which are required for the referenced item. The use of specific names and/or model number is not intended to limit selection of other manufacturers; equipment or materials meeting these criteria may be submitted to the COR for consideration and shall be clearly identified, in writing, as a substitution.

The burden of proving equality for proposed substitutions shall be the responsibility of the Contractor and submittals for said substitutions shall include detailed manufacturer's specifications, dimensioned drawings, performance data and any other information necessary to clearly indicate that the proposed item meets or exceeds the quality standards, physical characteristics, and performance criteria established by the contract documents. Submittals, which do not provide proof of equality, will be rejected.

Approval of a substitute by the COR shall not result in a change to contract price or schedule; such changes can only be approved by the CO.

End of SOW

Appendix A
Project Drawing Index

General

G-001	General Notes & Vicinity Map
G-002	General Phasing Plan
G-100A	Code Analysis
G-100B	General Life Safety Overall Hangar Plan
G-101	Life Safety First Floor Plan - Area A
G-102	Life Safety First Floor Plan - Area B
G-103	Life Safety First Floor Plan - Area C
G-104	Life Safety First Floor Plan - Area D
G-105	General Life Safety Second Floor Plan - Area A
G-106	Life Safety Second Floor Area B
G-107	Life Safety Mezzanine Plan
G-108	Life Safety Third Floor
G-109	Code Compliant Site Plan

Fire Protection

F-001	Fire Suppression General Notes
F-002	Fire Alarm and Mass Notification - General Notes
FD101	Fire Alarm First Floor Plan Area A - Demolition
FD102	Fire Alarm First Floor Plan Area B – Demolition
FD103	Fire Alarm First Floor Plan Area C – Demolition
FD104	Fire Alarm First Floor Plan Area D – Demolition
FD105	Fire Alarm Second Floor Plan – Demolition
FD106	Fire Alarm Third Floor Plan – Demolition
FD107	Fire Suppression First Floor Plan Area A – Demolition
FD108	Fire Suppression First Floor Plan Area B – Demolition
FD109	Fire Suppression First Floor Plan Area C – Demolition
FD110	Fire Suppression First Floor Plan Area D – Demolition
FD501	Fire Protection Demolition Photos
FA101	Fire Alarm and Mass Notification Partial First Floor Plan Area A - New Work
FA102	Fire Alarm and Mass Notification Partial First Floor Plan Area B - New Work
FA103	Fire Alarm and Mass Notification Partial First Floor Plan Area C - New Work
FA104	Fire Alarm and Mass Notification Partial First Floor Plan Area D - New Work
FA105	Fire Alarm and Mass Notification Second Floor East & West - New Work
FA106	Fire Alarm and Mass Notification Mezzanine Plan East & West - New Work
FA107	Fire Alarm and Mass Notification Third Floor Plan East & West - New Work
FA501	Fire Alarm and Mass Notification Details
FA502	Fire Alarm Detail - Monaco Antenna Detail
FA601	Fire Alarm and Mass Notification Sequence of Operations
FA602	Fire Alarm and Mass Notification Riser Diagram
FX101	Fire Suppression First Floor Plan Area A - New Work
FX102	Fire Suppression First Floor Plan Area B - New Work
FX103	Fire Suppression First Floor Plan Area C - New Work
FX104	Fire Suppression First Floor Plan Area D - New Work
FX501	Fire Suppression Details

Appendix A (Continued)
Project Drawing Index

Architecture

AD-101	Architectural Floor Plan – Demolition
A-101	Architectural Floor Plan – New Work
A-401	Architectural Enlarged Floor Plan - New Work
A-501	Architectural Details and Schedules

Structural

S-001	Structural General Notes
S-002	Structural Standard Details
S-100	Structural First Floor Plan - New Work
S-401	Structural Enlarged Intermediate Roof Plan - New Work

Mechanical

M-001	Mechanical Symbols, Legend and Abbreviations
M-101	Mechanical Overall Plan
M-401	Mechanical Enlarged Plan - New Work
M-501	Mechanical Details

Electrical

E-001	Electrical Symbols, Legend, and Abbreviations
E-100	Electrical Overall Plan – New Work
ED-101	Electrical Overall Plan - Demolition
ED-601	One-Line Diagram - Demolition
E-401	First Floor Enlarged Plans
E-402	Electrical Second Floor Enlarged Plans - Demolition & New Work
E-601	Electrical One Line Diagram
E-602	Electrical Schedules

Appendix B
Project Specification Table of Contents

Division 00 – Procurement and Contracting Requirements

00 70 00	General Requirements for Construction on Tinker AFB
00 71 00	General Safety Requirements for Construction on Tinker AFB
00 72 00	Environmental Requirements for Construction on Tinker AFB
00 80 00	Special Provisions for Working on Tinker AFB
00 80 05	Special Provisions for Working on or Near the Airfield on Tinker AFB

Division 01 - General Requirements

01 32 16.00 20	Small Project Construction Progress Schedules
01 33 00	Submittal Procedures
01 42 00	Sources for Reference Publications
01 45 00.00 10	Quality Control
01 50 00	Contractor Facilities
01 78 00	Closeout Submittals
01 78 23	Operation and Maintenance Data

Division 02 – Existing Conditions

02 41 00	Demolition

Division 05 - Metals

05 40 00	Cold-Formed Metal Framing

Division 07 - Thermal and Moisture Protection

07 21 16	Mineral Fiber Blanket Insulation
07 84 00	Firestopping
07 92 00	Joint Sealants

Division 08 - Openings

08 11 13	Steel Doors and Frames
08 71 00	Door Hardware

Division 09 - Finishes

09 22 00	Supports for Gypsum Board
09 29 00	Gypsum Board
09 65 00	Resilient Flooring
09 90 00	Paints and Coatings

Division 10 - Specialties

10 14 00.20	Interior Signage
10 26 00	Wall and Door Protection
10 44 16	Fire Extinguishers

Appendix B (Continued)
Project Specification Table of Contents

Division 21 - Fire Suppression

21 13 13	Wet Pipe Sprinkler Systems, Fire Protection

Division 23 - Heating, Ventilating, and Air Conditioning (HVAC)

23 09 00	Instrumentation and Control for HVAC
23 09 13	Instrumentation and Control Devices for HVAC
23 09 23.02	BACnet Direct Digital Control for HVAC and Other Building Control Systems
23 81 00	Decentralized Unitary HVAC Equipment

Division 26 - Electrical

26 20 00	Interior Distribution System
26 28 01.00 10	Coordinated Power System Protection

Division 28 - Electronic Safety and Security

28 31 76	Interior Fire Alarm and Mass Notification System, Addressable

Appendix C
Tinker AFB Facility Standards and Reference Documents

Base Facility Standards

2020 Tinker Air Force Base Facility Standard

2020 Tinker Air Force Base Mechanical Standard

2021 Tinker Air Force Base Electrical Standard

Tinker AFB General Specifications (Div 00 and Div 01) Reference Documents

Sections 00 7x 00

DoDOP-2000.16V1 AFI 10-245-0	Antiterrorism (AT) Program Implementation
AFI 13-213	Airfield Driving
AFI 13-213 TINKERAFBSUP	Airfield Driving (Tinker AFB Supplement to AFI 13-213)
AFI 21-101	Aircraft and Equipment Maintenance Management
AFI 21-101 AFMCSUP	Aircraft and Equipment Maintenance Management (AFMC Supplement to AFI 21-101)
AFI 48-104	Tobacco Free Living
AFI 91-202	The US Air Force Mishap Prevention Program
AFI 91-202 AFMCSUP	The US Air Force Mishap Prevention Program (AFMC Supplement to AFI 91-202)
AFMAN 32-7003	Environmental Conservation
AFMAN 40-201	Radioactive Material (RAM) Management
AFMAN 48-148	Ionizing Radiation Protection
AFMAN 91-203	Air Force Occupational Safety, Fire, and Health Standards
AFMAN 91-203 OC-ALCSUP	Air Force Occupational Safety, Fire, and Health Standards (OC-ALC Supplement to AFMAN 91-203)
TINKERAFBI 13-204	Airfield Operations
TINKERAFBI 21-100	Foreign Object Damage (FOD) and Dropped Object Prevention (DOP) Programs
TINKERAFB_SOP_Outages	Planned and Emergency Outages Standard Operating Procedures
TINKERAFB HWMP	Tinker AFB Hazardous Waste Management Plan
TINKERAFB INRMP	Tinker AFB Integrated Natural Resources Management Plan
TINKERAFB INRMP_APP E	Tinker AFB Integrated Natural Resources Management Plan – Appendix E, Native Landscaping Plant Materials
TINKERAFB INRMP_APP G	Tinker AFB Integrated Natural Resources Management Plan – Appendix G, Urban Forestry Management Procedures
EM 385-1-1	Safety -- Safety and Health Requirements Manual
UFC 3-260-01	Airfield and Heliport Planning and Design
UFC 3-260-04	Airfield and Heliport Marking
UFC 3-535-01	Visual Air Navigation Facilities

Appendix C (Continued)
Base Standards and Reference Documents

UFC 3-600-01	Fire Protection Engineering for Facilities
UFC 3-601-02	Fire Protection Systems Inspection, Testing, and Maintenance
Section 00 78 00	
ERDC/ITL TR-12-1	A/E/C Graphics Standard
ERDC/ITL TR-12-6	A/E/C CAD Standard
URML	Unified Master Reference List

Tinker AFB General Requirements Specifications Attachments/Forms

00 70 00, Attachment 1	Tinker AFB Outage Request Form
00 71 00, Attachment 1	Airfield Construction Waiver
00 71 00, Attachment 2	EAL Template
00 71 00, Attachment 3	VEAL Template
00 72 00, Attachment 7a	AF3952, Chemical/Hazardous Material Request Authorization Form
00 72 00, Attachment 7b	Monthly Hazardous Material Usage Report
00 72 00, Attachment 8	Recovered Materials Determination Form
00 72 00, Attachment 9	EMS Awareness Training
00 72 00, Attachment 13	AF487, Generator Operating Log
00 72 00, Attachment 14	Information for New Boilers
01 33 00, Attachment 1	AF3000, Material Approval Submittal
00 15 00, Attachment 1	Staging Request Form
01 78 00, Attachment 1	DD1354, Transfer and Acceptance of Military Real Property
01 78 00, Attachment 2	DD1354 Checklist

Tinker AFB General Requirements Specifications Required Training Materials

EMS General Awareness Training for Contractors
AFMC FOD/DOP Program