



U.S. Department
of Veterans Affairs

Veterans Health
Administration

PERFORMANCE WORK STATEMENT COMMERCIAL ARCHITECTURAL SHADE FABRIC FOR SOUTHERN ARIZONA VA HEALTHCARE SYSTEM

GENERAL

1.1 PERFORMANCE WORK STATEMENT OVERVIEW:

1.1.1 **SCOPE:** ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO FURNISH AND INSTALL NEW AND REPLACEMENT SHADE STRUCTURES AT MULTIPLE LOCATIONS ON THE SOUTHERN ARIZONA VA CAMPUS.

1.1.2 BUILDING 57 ENTRANCE, BLDG 30 FITNESS AREA, "THE BAR" FITNESS AREA, T26 AWNING, OTHER AREAS.

1.2 QUOTATION SUBMISSION DOCUMENTS

1.2.1 SPECIFICATIONS

1.2.2 DRAWINGS

1.2.3 LETTER FROM MANUFACTURER VERIFYING APPROVED DISTRIBUTOR/SELLER/INSTALLER OR EQUAL.

1.3 PERFORMANCE REQUIREMENTS

1.3.1 THE SPECIFICATION COVERS THE REQUIREMENT FOR SHADE STRUCTURES AROUND THE SAVAHCS CAMPUS. THE MINIMUM ACCEPTABLE REQUIREMENTS FOR MANUFACTURER'S EXTENT OF PROJECT LINE, DESIGN, MATERIALS, WORKMANSHIP, PERFORMANCE, SAFETY AND SERVICES ARE SET FORTH, HEREINAFTER.

1.3.2 ALL SHADE STRUCTURES SHALL BE OF A DESIGN, MATERIAL AND WORKMANSHIP TO WITHSTAND HARD EXTERIOR SOUTHWEST CONDITIONS WITH A MINIMUM OR MAINTENANCE AND REPAIR.

1.3.3 THE MANUFACTURE SHALL PROVIDE AND BE RESPONSIBLE FOR THE TECHNICAL ASSISTANCE, DEVELOPMENT AND GENERATION FOR FINAL SPECIFICATIONS AND ENGINEERED STAMPED DRAWINGS.

1.3.4 THE MANUFACTURER WILL PROVIDE A ONE YEAR WARRANTY FROM RECEIPT OF ORDER AGAINST DEFECTS UNDER NORMAL HANDLING AND COMPLIANCE WITH ALL FABRIC CARE INSTRUCTIONS.



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1.3.5 VENDOR MUST HAVE LOCAL REPRESENTATION FOR THE TUCSON AREA.

1.4 TESTING REQUIREMENTS

1.4.1 ALL TESTS INDICATED HEREIN MUST BE CONDUCTED BY AN INDEPENDENT TESTING LABORATORY. TEST RESULTS MUST NOT BE MORE THAN TWO YEARS OLD. TEST REPORTS SHOULD INCLUDE COMPLETE DESCRIPTIONS OF THE MATERIAL AND CONSTRUCTION, CERTIFIED BY THE TESTING LABORATORY.

1.4.2 ANY TEST WHICH IS NOT PERFORMED OR NOT IN ACCORDANCE WITH THE TESTING REQUIREMENTS SPECIFIED SHALL BE IDENTIFIED AS A PROPOSED EXCEPTION.

1.4.3 STEEL SHALL COMPLY WITH ASTM-A-36 AND ASTM-A-500, ASTM-A-572 GRADE 50

1.4.4 FASTENERS SHALL COMPLY WITH ASTM-F-539 AND ALL NUTS SHALL COMPLY ASTM F-594

1.4.5 ALL FULL PENETRATION WELDS SHALL MEET THE REQUIREMENTS OF IBC1006

1.5 BRAND NAME OR EQUAL SUBMITTALS:

1.5.1 SUBMITTALS FOR PROPOSED ALTERNATE PRODUCTS AND EXCEPTIONS:

1.5.1.1 SUBMIT COMPLETE LITERATURE, DATA, CUT SHEETS, FINISHES, FOR DIRECT COMPARISON TO THE PRODUCT; SPECIFIED FOR EACH PROPOSED ALTERNATE PRODUCT.

1.5.2.5 SUBMIT ALL WARRANTIES, INSTALLATION, AND MAINTENANCE MANUALS

1.6 DELIVERY, STORAGE AND HANDLING OF MATERIALS

1.6.1 PRODUCT SHALL BE FACTORY PACKED WITH ADEQUATE PROTECTION TO ALL SIDES AND CORNERS TO PREVENT TRANSIT AND HANDLING DAMAGE.

1.6.2 DELIVER NO COMPONENTS TO PROJECT SITE UNTIL AREAS ARE READY FOR INSTALLATION. COORDINATE WITH DELIVER AND INSTALLATION WITH VA INTERIOR DESIGNER.



2.0 PRODUCT: SHADE SAIL STRUCTURES

2.1 GENERAL

2.1.1 ALL FINISHED SURFACES SHALL BE FREE OF SCRATCHES, MARS, DENTS, OR BLEMISHES, AND WITHSTAND STAINING, AND EXHIBIT TO FLAKING, CRACKING, OR LOSS OR ADHESION.

2.2 STEEL

2.2.1 ALL SHADE STRUCTURES ARE ENGINEERED AND DESIGNED TO MEET A 90-MPH WIND LOAD.

2.2.2 ALL NON-HOLLOW STRUCTURAL STEEL COMPONENTS SHALL COMPLY WITH ASTM A-36.

2.2.3 ALL HOLLOW STRUCTURAL STEEL COMPONENTS ARE COLD FORMED, HIGH STRENGTH STEEL AND COMPLY WITH ASTM A-500, GRADE C.

2.2.4 ALL STEEL PLATES COMPLY WITH ASTM A-572, GRADE 50. ALL GALVANIZED STEEL TUBING ARE TRIPLE COATED FOR RUST PROTECTION. UTILIZING AN IN-LINE ELECTRO-PLATING COAT PROCESS. ALL GALVANIZED STEEL TUBING ARE INTERNALLY COATED WITH ZINC AND ORGANIC COATING FOR MAXIMUM CORROSION RESISTANCE.

2.2.5 ALL STEEL COMPONENTS OF THE SHADE STRUCTURE ARE DESIGNED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE (AISC) SPECIFICATIONS FOR COLD FORMED MEMBERS

2.3 FASTENERS

2.3.1 ALL STAINLESS STEEL BOLTS ON SHADE STRUCTURES COMPLY WITH ASTM F-593. ALL THE BOLT FITTINGS INCLUDE SILICONE GEL FOR WATER TIGHT SEAL AT JOINTS. ALL NUTS USED COMPLY WITH ASTM F594

2.3.2 ALL STRUCTURAL FIELD CONNECTIONS OF THE SHADE SYSTEMS SHALL BE MADE WITH HIGH STRENGTH BOLTED CONNECTIONS USING ASTM A-354, GRADE B OR SAE J249 GRADE 8.



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2.4. WELDING

2.4.1 ALL FULL PENETRATION WELDS OF OUR SHADE CANOPIES MEET THE REQUIREMENTS OF IBC 1006.

2.4.2 ALL SHOP WELDED CONNECTIONS OF THE SHADE SYSTEM ARE DESIGNED AND PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS. STRUCTURAL WELDS SHALL BE MADE IN COMPLIANCE WITH THE REQUIREMENTS OF THE "PREQUALIFIED" WELDED JOINTS WHERE APPLICABLE AND BY CERTIFIED WELDERS. NO ONSITE OR FIELD WELDING SHALL BE PERMITTED.

2.5 ARCHITECTURAL SHADE FABRIC

2.5.1 SHADE FABRIC MUST BE: ARCHITECT 400
BRAND NAME OR EQUAL SUNBRELLA
PERSIAN GREEN

2.5.2 SHADE FABRIC SHALL BE 100% LEAD AND PHTHALATE FREE.

2.5.2 SHADE FABRIC SHALL HAVE A MINIMUM OF A 10-YEAR MANUFACTURER'S WARRANTY AGAINST UV DEGRADATION, FADING, TEARING, OR FREE FROM ROT AND FRAY.

2.5.3 SHADE FABRIC SHALL HAVE KNITTED LOCK-STITCH CONSTRUCTION.

2.5.4 SHADE FABRIC SHALL BE TAPE AND MONOFILAMENT YARD FOR UV BLOCKING

2.5.5 SHADE FABRIC SHALL BE MADE OF STRONG HDPE.

2.6 "THE BAR" SHADE STRUCTURE (REFER TO SITE MAP FOR LOCATION)

2.6.1 THE APPROXIMATE SQUARE FOOTAGE OF SHADE NEEDED FOR THIS AREA IS 3,000 SF., ALL DIMENSIONS ARE APPROXIMATIONS, BIDDER MUST FIELD VERIFY ALL DIMENSIONS.

2.6.2 THERE ARE NO STRUCTURAL BUILDINGS IN THIS AREA TO ATTACH SHADE SAILS. COLUMNS/POLES WILL BE NEEDED.

2.6.3 DESIGN OF SHADE STRUCTURE(S)

2.6.4 INSTALATION OF DESIGNED SHADE STRUCTURES



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2.7 BUILDING 57 COURTYARD SHADE STRUCTURE (REFER TO SITE MAP FOR LOCATION)

2.7.1 THE APPROXIMATE SQUARE FOOTAGE OF SHADE NEEDED FOR THIS AREA IS 350 SF., ALL DIMENSIONS ARE APPROXIMATIONS, BIDDER MUST FIELD VERIFY ALL DIMENSIONS.

2.7.2 DESIGN ONE SHADE SAIL STRUCTURE FOR THE MAIN PATIENT ENTRANCE TO THIS BUILDING. SEE PLAN FOR ATTACHMENT POINTS ON THE MAIN STRUCTURE.

2.7.3 DESIGN OF SHADE STRUCTURE(S)

2.7.4 INSTALATION OF DESIGNED SHADE STRUCTURES

2.8 BUILDING 30 OUT DOOR FITNESS SHADE STRUCTURE (REFER TO SITE MAP FOR LOCATION)

2.8.1 THE APPROXIMATE SQUARE FOOTAGE OF SHADE NEED FOR THIS AREA IS 1,500 SF., ALL DIMENSIONS ARE APPROXIMATIONS, BIDDER MUST FIELD VERIFY ALL DIMENSIONS.

2.8.2 THERE ARE NO STRUCTURAL BUILDINGS IN THIS AREA TO ATTACH SHADE SAILS. COLUMNS/POLES WILL BE NEEDED.

2.8.3 DESIGN OF SHADE STRUCTURE(S)

2.8.4 INSTALATION OF DESIGNED SHADE STRUCTURES

2.9 BUILDING T-26 AWNING SHADE STRUCTURE

2.9.1 THE APPROXIMATE DIMENSIONS FOR THE STRUCTURE NEEDED ARE AS FOLLOWS: 6' – 0" DEEP x 6' – 0" WIDE x 9' – 0" HIGH.

2.9.2 DESIGN OF SHADE STRUCTURE(S)

2.9.3 INSTALATION OF DESIGNED SHADE STRUCTURES

2.10 BUILDING 68 & 69, 72 & 73 REPLACEMENT AWNINGS

2.10.1 FOUR EACH REPLACEMENT AWNINGS; REPLACE EXISITING AWNING FABRIC TO: BRAND NAME OR EQUAL ARCHITECT 400, SUNBRELLA, PERSIAN GREEN



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2.10.2 SEE PHOTOS FOR EXAMPLE OF CURRENT AWNING.

2.10.3 BUILDING NUMBER TO BE EMBROIDERED ON FACE OF EACH AWNING TO COORDINATING BUILDING

2.10.4 INSTALATION OF REPLACEMENT SHADE STRUCTURES

2.5 ACCESSORIES

2.5.1 ACCESSORIES TO MATCH FINISHES OF OTHER CONVENTIONAL FURNITURE ITEMS WITH THE SAME LOCATION.

3.0 SURFACE/LOCATION

3.1 SURFACE CONDITIONS AT SOUTHERN ARIZONA VAHCS, 3601 South 6th Ave., Tucson, AZ 85723

3.1.1 INSPECTION

3.1.1.1 PRIOR TO WORK OF THIS SECTION, CAREFULLY INSPECT PREVIOUSLY INSTALLED WORK. VERIFY ALL SUCH WORK IS COMPLETE TO THE POINT WHERE THIS INSTALLATION MAY PROPERLY COMMENCE.

3.1.1.2 VERIFY THAT WORK OF THIS SECTION MAY BE INSTALLED IN STRICT ACCORDANCE WITH THE ORIGINAL DESIGN, ALL PERTINENT CODES AND REGULATIONS, AND ALL PERTINENT PORTIONS, OF THE REFERENCED STANDARDS.

3.1.1.3 IN THE EVENT OF DISCREPANCY, IMMEDIATELY NOTIFY THE DESIGNER.

3.1.1.4 DO NOT PROCEED WITH INSTALLATION IN AREAS OF DISCREPANCY UNTIL ALL SUCH DISCREPANCIES HAVE BEEN FULLY RESOLVED.

3.2 INSTALLATION AND WORKMANSHIP

3.2.1 CONTRACTOR MUST SUPPLY A STAFFING PLAN AND PROJECT SCHEDULE WITHIN 14 DAYS AFTER AWARD TO VA INTERIOR DESIGNER.

3.2.2 ALL INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH THE OFFICIAL INSTRUCTIONS OF THE MANUFACTURER.



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- 3.2.3 INSTALL LEVEL, PLUMB, AND SECURE AT PROPER LOCATION ACCORDING TO FLOOR PLANS.
- 3.2.4 EACH ITEM MUST BE CLEAN AND FREE FROM DUST, PACKING MARKS, TAGS, LABELS, ETC.
- 3.2.5 ALL "PUNCH LIST" ITEMS MUST BE COMPLETED PRIOR TO ACCEPTANCE BY THE OWNER
- 3.2.6 PROTECTION OF EXISTING SURFACES SUCH AS, WALLS AND CEILING IS THE RESPONSIBILITY OF THE INSTALLERS DURING INSTALLATION. ANY DAMAGE SHALL BE REPLACED WITH LIKE MATERIAL AND FINISH AT NO COST TO THE OWNER.
- 3.2.7 MAINTAIN AREAS FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH. MAINTAIN SITE IN A CLEAN AND ORDERLY CONDITION.
- 3.2.8 USE CLEANING MATERIALS WHICH DO NOT CREATE HAZARDS TO HEALTH OR PROPERTY AND WHICH WILL NOT DAMAGE SURFACES. USE ONLY THOSE CLEANING MATERIALS AND METHODS RECOMMENDED BY MANUFACTURER OF THE SURFACE MATERIAL TO BE CLEANED. USE CLEANING MATERIALS ONLY ON SURFACES RECOMMENDED BY CLEANING MATERIAL MANUFACTURER.
- 3.2.9 VENDOR WILL PROVIDE FOR ALL DUMPSTERS, HAUL FEES AND DUMP CHARGES AS REQUIRED. DO NOT USE GOVERNMENT COLLECTION FACILITIES AT ANY TIME.
- 3.2.10 INSTALLER IS RESPONSIBLE FOR PROVIDING ALL TOOLS AND EQUIPMENT THAT IS NEEDED FOR INSTALLATION. VA WILL NOT PROVIDE TOOLS AND/OR EQUIPMENT.
- 3.2.11 ALL INSTALLERS ARE RESPONSIBLE FOR CHECKING INTO INTERIOR DESIGN PRIOR TO INSTALLING AND OBTAINING TEMPORARY BADGES. CONTRACTORS SHALL HAVE PHOTO ID ON PERSON AT ALL TIMES.
- 3.2.12 INSTALLERS MUST FOLLOWING THE STANDARD VA CODE OF CONDUCT AT ALL TIMES WHILE ON VA PROPERTY.
- 3.2.13 INSTALLATION SHALL TAKE PLACE DURING NORMAL BUSINESS HOURS. MONDAY THROUGH FRIDAY, 8am TIL 4:30pm LOCAL TIME. NO OVERTIME IS AUTHORIZED FOR THIS WORK.

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3.4 WORK BY OTHER VENDORS

3.4.1 ALL WORK PROPOSED TO BE COMPLETED BY OTHER VENDORS SHALL BE IDENTIFIED UNDER THIS SECTION.

3.5 FEDERAL GOVERNMENT;

3.5.1 RESTROOMS AND PARKING WILL BE AVAILBLE ON SITE DURING WORK HOURS

END OF SECTION

PRICE/COST SCHEDULE

ITEM INFORMATION

ITEM NUMBER	DESCRIPTION OF SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	Shade Structure Bldg 57 COURTYARD SHADE STRUCTURE THE APPROX. SQFT OF SHADE NEEDED FOR THIS AREA IS 350 SF. BIDDER MUST DESIGN A SHADE SAIL STRUCTURE FOR THE MAIN PATIENT ENTRANCE TO THIS BUILDING.			_____	_____
0001A	Shade Structure Bldg 57 Please Detail pricing for Main Items and Supplies	1.00	JB	_____	_____
0001B	Shade Structure Bldg 57 Installation, Please detail pricing include hourly rates	1.00	JB	_____	_____
0002	Shade Structure Bldg 30 Outdoor Fitness Approx. SQFT 1500 of shade. THERE ARE NO STRUCTURAL BUILDINGS IN THIS AREA TO ATTACH SHADE SAILS.			_____	_____
0002A	Shade Structure Bldg 30 Please Detail Pricing for main Items and Supplies	1.00	JB	_____	_____
0002B	Shade Structure Bldg 30 Please Detail installation pricing including hourly rate	1.00	JB	_____	_____
0003	Shade Structure The Bar Approx. SQFT 3,000 THERE ARE NO STRUCTURAL BUILDINGS IN THIS AREA TO ATTACH SHADE SAILS.			_____	_____
0003A	Shade Structure The Bar Please Detail Pricing for Main Items and Supplies	1.00	JB	_____	_____
0003B	Shade Structure The Bar Installation Please detail installation costs including price per Hr.	0.00	JB	_____	_____
0004	Shade Sturcture T26 THE APPROXIMATE DIMENSIONS FOR THE STRUCTURE NEEDED ARE AS FOLLOWS: 6' – 0" DEEP x 6' – 0" WIDE x 9' – 0" HIGH.			_____	_____

0004A	1.00 JB	_____	_____
Shade Sturcture T26 Please detail pricing for large items and supplies			
0004B	1.00 JB	_____	_____
Shade Sturcture T26 Please detail pricing for installation and include hourly rate			
0005		_____	_____
Repace Awnings Bldg 68,69,72,73			
0005A	4.00 JB	_____	_____
Repace Awnings Bldg 68,69,72,73 Price for Replacement Supplies Including Building Number printed on face			
0005B	4.00 JB	_____	_____
Repace Awnings Bldg 68,69,72,73 Pricing for replacement installation			
0006	1.00 JB	_____	_____
Design of Shade System and Project Management			
GRAND TOTAL			_____