

STATEMENT OF WORK

CARPET REPLACEMENT (MULTIPLE ROOMS)

Wilmington VA Medical Center
Wilmington, DE 19805

DESCRIPTION:

The Wilmington VA Medical Center is looking to enter into a Firm Fixed Price contract with a period of performance of not to exceed 90 days after award for Carpet Replacement Services.

All goods and services shall be provided in accordance with the specifications, terms and conditions contained herein.

This is a brand name or equal to requirement, if providing an equal quoter must provide a comparison to the salient features listed below.

PLACE OF PERFORMANCE:

Wilmington VA Medical Center
1601 Kirkwood Highway
Wilmington, DE 19805

SCOPE:

Contractor to provide all labor, materials, tools and equipment to replace existing carpet in multiple rooms throughout the main hospital. Below is a provided list of all 39 rooms where carpet will be replaced. Each room has an average of 135 square foot with a total average being 5400 square foot.

PERFORMANCE REQUIRED:

1. Remove and properly dispose of existing carpet in all rooms.
2. Prep floor as necessary in all rooms.
3. Furnish and install Brand Name or equal to Mannington Terrain II 24" x 24" modular carpet tile in color 83007 Cabinet with new 4" vinyl cove base throughout all rooms.
4. In all rooms, contractor shall move all furniture as required to complete work and place furniture in original location upon completion of work for that room.

5. Provide a written work plan to include a risk assessment prior to the start of service.

CARPET REPLACEMENT LIST:

	Carpet replacement list							
	Dept//Room #							
	Ground	1st	2nd	3rd	4th	5th	7th	
	157	1174	2115	3050	4042	5005	7089	
	111	1175	2112	3097	4043		7064	
	111A	1173		3098	4040		7057	
		1172		3099	4113		7059	
		1168			4063		7079	
		1167					7070	
		1124						
		1021						
		1133						
		1143A						
		1126						
		1127A						
		1127B						
		1127C						
		1128						
		1130						
		1131						
		1132						
TOTAL	3	18	2	4	5	1	6	39

SALIENT CHARACTERISTICS:

PART 1 - GENERAL

1.1 DESCRIPTION

Section specifies carpet, edge strips, adhesives, and other items required for complete installation.

1.2 RELATED WORK

- A. Color and texture of carpet and edge strip will be brand name or equal to "Mannington Terrain II 24" x 24" carpet tiles, #83007 Cabinet, Invista Antron Lumena Type 6,6 Fourhole, hollow filament nylon, with permanent stain and

bleach protection, static control, and duratech soil resistant treatment and fiber modification ratio of <1.5. New 4" vinyl cove base.

B. Resilient wall base:

1.3 QUALITY ASSURANCE

A. Carpet installed by mechanics certified by the Floor Covering Installation Board.

B. Certify and label the carpet that it has been tested and meets criteria of CRI IAQ Carpet Testing Program for indoor air quality.

1.4 SUBMITTALS

A. Submit, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Product Data:

1. Manufacturer's catalog data and printed documentation stating physical characteristics, durability, resistance to fading and flame resistance characteristics for each type of carpet material and installation accessory.
2. Manufacturer's printed installation instructions for the carpet, including preparation of installation substrate, seaming techniques and recommended adhesives and tapes.
3. Manufacturer's certificate verifying carpet containing recycled materials include percentage of recycled materials as specified.

C. Samples:

1. Carpet: "Production Quality" samples 600 x 600 mm (24 x 24 inches) of carpets, showing quality, pattern and color specified on the drawings.
2. Floor Edge Strip (Molding): 150 mm (6 inches) long of each color and type specified.
3. Base Edge Strip (Molding): 150 mm (6 inches) long of each color specified.

D. Shop Drawings: Installers layout plan showing seams and cuts for sheet carpet and carpet module.

E. Maintenance Data: Carpet manufacturer's maintenance instructions describing recommended type of cleaning equipment and material, spotting and cleaning methods and cleaning cycles.

1.5 DELIVERY AND STORAGE

A. Deliver carpet in manufacturer's original wrappings and packages clearly labeled with manufacturer's name, brand, name, size, dye lot number and related information.

B. Deliver adhesives in containers clearly labeled with manufacturer's name, brand name, number, installation instructions, safety instructions and flash points.

C. Store in a clean, dry, well ventilated area, protected from damage and soiling. Maintain storage space at a temperature above 16 degrees C (60 degrees F) for 2 days prior to installation.

1.6 ENVIRONMENTAL REQUIREMENTS

Areas in which carpeting is to be installed shall be maintained at a temperature above 16 degrees C (60 degrees F) for 2 days before installation, during installation and for 2 days after installation. A minimum temperature of 13 degrees C (55 degrees F) shall be maintained thereafter for the duration of the contract. Traffic or movement of furniture or equipment in carpeted area shall not be permitted for 24 hours after installation. Other work which would damage the carpet shall be completed prior to installation of carpet.

1.7 WARRANTY

Carpet and installation subject to terms of "Warranty of Construction" FAR clause 52.246-21, except that warranty period is extended to two years.

- A. Lifetime Limited Wear Warranty, Including Face Wear, Moisture Barrier, Delamination, Tuft Build, Unraveling and Static Protection.
- B. Colorsafe with 15 Year Limited Warranty Against Color Loss from Beach Spills
- C. Brand name or equal to XGUARD with 15-year Limited Warranty Against Staining

1.8 APPLICABLE PUBLICATIONS

- A. Publication listed below form a part of this specification to extent referenced. Publications are referenced in text by basic designation only.
- B. American National Standards Institute (ANSI):
 - ANSI/NSF 140-10 Sustainable Carpet Assessment Standard
- C. American Association of Textile Chemists and Colorists (AATCC):
 - AATCC 16-04 Colorfastness to Light
 - AATCC 129-10 Colorfastness to Ozone in the Atmosphere under High Humidities
 - AATCC 134-11 Electric Static Propensity of Carpets
 - AATCC 165-08 Colorfastness to Crocking: Textile Floor Coverings-
AATCC Crockmeter Method
- D. American Society for Testing and Materials (ASTM):
 - ASTM D1335-05 Tuft Bind of Pile Yarn Floor Coverings
 - ASTM D3278-96 (R2004) .. Flash Point of Liquids by Small Scale Closed-Cup Apparatus
 - ASTM D5116-10 Determinations of Organic Emissions from Indoor Materials/Products
 - ASTM D5252-05 Operation of the Hexapod Tumble Drum Tester
 - ASTM D5417-05 Operation of the Vettermann Drum Tester
 - ASTM E648-10 Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source (CLASS 1 RATED).
 - ASTM E-662 Smoke Density Less Than 450.

E. The Carpet and Rug Institute (CRI):

CRI 104-11 Installation of Commercial Carpet

PART 2 - PRODUCTS

2.1 CARPET

A. Physical Characteristics:

1. Carpet free of visual blemishes, streaks, poorly dyed areas, fuzzing of pile yarn, spots or stains and other physical and manufacturing defects.
2. Manufacturers standard construction commercial carpet
Basis of Design:
 - A. Modular Tile: 24" x 24" modular tiles
 - B. Patterned Loop
 - C. Solution Dyed
 - D. 1/12 Machine Gauge
 - E. 8.16 Stich Count
 - F. 0.127 in Pile Thickness
 - G. Tufted Yarn Weight: 18 ounces per square yard
 - H. Density: Average density=5,102; Weight density=91,842
 - I. Primary backing: 100% synthetic
 - J. Secondary backing: Infinity Modular reinforced composite closed cell polymer
 - K. Installation method: Shuffled
 - L. Passes DOC FF-1-70 Flame Resistance.
 - M. Commercial Anti-Soil Protection
 - I. CRI Green Label Plus Certification #GLP1024
3. Provide static control to permanently control static build up to less than 2.0 kV when tested at 20 percent relative humidity and 21 degrees C (70 degrees F) in accordance with AATCC 134.
4. Appearance Retention Rating (ARR): Carpet shall be tested and have the minimum 3.5-4.0 Severe ARR when tested in accordance with either the ASTM D 5252 (Hexapod) or ASTM D 5417 (Vettermann) test methods using the number of cycles for short and long-term tests as specified.
5. Colorfastness to Crocking: Dry and wet crocking and water bleed, comply with AATCC 165 Color Transference Chart for colors, minimum class 4 rating.
6. Colorfastness to Ozone: Comply with AATCC 129, minimum rating of 4 on the AATCC color transfer chart.
7. Delamination Strength: Minimum of 440 N/m (2.5 lb/inch) between secondary backing.
8. Flammability and Critical Radiant Flux Requirements:
 - a. Test Carpet in accordance with ASTM E 648.
 - b. Class I: Not less than 0.45 watts per square centimeter.

- c. Class II: Not less than 0.22 watts per square centimeter.
- d. Carpet in corridors, exits and Medical Facilities: Class I.
- 9. VOC Limits: Use carpet and carpet adhesive that comply with the following limits for VOC content when tested according to ASTM D 5116:
 - a. Carpet, Total VOCs: 0.5 mg/sq.m x hr.
 - b. Carpet, 4-PC (4-Phenylcyclohexene): 0.05 mg/sq.m x hr.
 - c. Carpet, Formaldehyde: 0.05 mg/sq.m x hr.
 - d. Carpet, Styrene: 0.4 mg/sq.m x hr.
 - e. Adhesive, Total VOCs: 10.00 mg/sq.m x hr.
 - f. Adhesive, Formaldehyde: 0.05 mg/sq.m x hr.
 - g. Adhesive, 2-Ethyl-1-Hexanol: 3.00 mg/sq.m x hr.
- B. Shall meet platinum level of ANSI/NSF 140.
- C. Color, Texture, and Pattern: Color to be cabinet 83007

2.2 ADHESIVE AND CONCRETE PRIMER

- A. Waterproof, resistant to cleaning solutions, steam and water, nonflammable, complies with air-quality standards as specified. Adhesives flashpoint minimum 60 degrees C (140 degrees F), complies with ASTM D 3278.
- B. CRI green label plus ID: GLP70522
- C. Bond Warranty: Lifetime Limited Warranty when used in accordance with manufacturers recommendations.

2.3 SEAMING TAPE

- A. Permanently resistant to carpet cleaning solutions, steam, and water.
- B. Recommended by carpet manufacturer.

2.4 EDGE STRIPS (MOLDING)

- A. Metal:
 - 1. Hammered surface aluminum, pinless, clamp down type designed for the carpet being installed.
 - 2. Floor flange not less than 38 mm (1-1/2 inches) wide, face not less than 16 mm (5/8 inch) wide.
 - 3. Finish: Clear anodic coating unless specified otherwise in Section 09 06 00, SCHEDULE FOR FINISHES.
- B. Vinyl Edge Strip:
 - 1. Beveled floor flange minimum 50 mm (2 inches) wide.
 - 2. Beveled surface to finish flush with carpet for tight joint and other side to floor finish.
 - 3. Color as specified in Section 09 06 00, SCHEDULE FOR FINISHES.

2.5 LEVELING COMPOUND (FOR CONCRETE FLOORS)

- A. Provide Portland cement bases polymer modifier with latex or polyvinyl acetate resin manufactured specifically for resurfacing and leveling concrete floors. Products containing gypsum are not acceptable.

- B. Determine the type of underlayment selected for use by condition to be corrected.

2.6 PRODUCT TESTING

- A. Radiant Panel (ASTM E-648): Class I (Direct Glue)
- B. Smoke Chamber (ASTM E-662): Less than 450 (Flaming Mode)
- C. Methenamine pill test (ASTM D-2859): Passes
- D. Dimensional Stability AACHEN test: Passes
- E. Electrostatic Propensity (AATCC 134): Less than 3.0 KV

PART 3 - EXECUTION

3.1 SURFACE PREPARATION

- A. Examine surfaces on which carpeting is to be installed.
- B. Clean floor of oil, waxy films, paint, dust and deleterious substances that prevent adhesion, leave floor dry and cured, free of residue from curing or cleaning agents
- C. Correct conditions which will impair proper installation, including trowel marks, pits, dents, protrusions, cracks or joints.
- D. Fill cracks, joints depressions, and other irregularities in concrete with leveling compound.
 - 1. Do not use adhesive for filling or leveling purposes.
 - 2. Do not use leveling compound to correct imperfections which can be corrected by spot grinding.
 - 3. Trowel to smooth surface free of trowel marks, pits, dents, protrusions, cracks or joint lines.
- E. Test new concrete subfloor prior to adhesive application for moisture and surface alkalinity per CRI 104 Section 6.3.1 or per ASTM E1907.

3.2 CARPET INSTALLTION

- A. Do not install carpet until work of other trades including painting is complete and dry.
- B. Install in accordance with CRI 104 direct glue down installation.
 - 1. Relax carpet in accordance with Section 6.4.
 - 2. Comply with indoor air quality recommendations noted in Section 6.5.
 - 3. Maintain temperature in accordance with Section 15.3.
- C. Secure carpet to subfloor of spaces with adhesive applied as recommended by carpet manufacturer.
- D. Follow carpet manufacturer's recommendations for matching pattern and texture directions.
- E. Cut openings in carpet where required for installing equipment, pipes, outlets, and penetrations.
 - 1. Bind or seal cut edge of sheet carpet and replace flanges or plates.
 - 2. Use additional adhesive to secure carpets around pipes and other vertical projections.

F. Carpet Modules:

1. Install per CRI 104, Section 13, Adhesive Application.
2. Lay carpet modules with pile quarter turned.
3. Install carpet modules so that cleaning methods and solutions do not cause dislocation of modules.
4. Lay carpet modules uniformly to provide tight flush joints free from movement when subject to traffic.

3.3 EDGE STRIPS INSTALLATION

- A. Install edge strips over exposed carpet edges adjacent to uncarpeted finish flooring.
- B. Anchor metal strips to floor with suitable fasteners. Apply adhesive to edge strips, insert carpet into lip and press it down over carpet.
- C. Anchor vinyl edge strip to floor with adhesive apply adhesive to edge strip and insert carpet into lip and press lip down over carpet.

3.4 PROTECTION AND CLEANING

- A. Remove waste, fasteners and other cuttings from carpet floors.
 - B. Vacuum carpet and provide suitable protection. Do not use polyethylene film.
 - C. Do not permit traffic on carpeted surfaces for at least 48 hours after installation. Protect the carpet in accordance with CRI 104.
 - D. Do not move furniture or equipment on unprotected carpeted surfaces.
- E. Just before final acceptance of work, remove protection and vacuum carpet clean.

PERIOD OF PERFORMANCE:

All services must be completed within 90 days after award of contract.

PROVIDED BY WILMINGTON VA MEDICAL CENTER:

1. The VA will provide the contractor with access to the appropriate locations the length of the project.
2. The government will furnish no property to the vendor.
3. A sit visit at the Wilmington VA Medical Center will be on Tuesday September 4th at 1:00 pm E.T. Please contact Cathy Burris at 302-994-2511 x4905 or Cathy.Burris2@va.gov for details.

WORK HOURS:

All work to be performed after hours; Monday - Thursday after 4:30pm est.

SPECIAL CONTRACTOR PROVISIONS:

1. SECURITY REQUIREMENTS:

- a. prior to the commencement of any work under this contract, upon arrival to the VA Medical Center, contractor personnel must first check-in with COR.
- b. Contractor personnel must properly display their identification badge at all times while on VA property so that their name and the company they work for can easily be seen.

2. INTERFERENCE IN PERFORMANCE REQUIREMENTS:

- a. Contractor may be required to interrupt their work at any time so as not to interfere with the normal functioning of the facility; e.g. utility services, servicing of fire protection systems, and the passage of facility patients/personnel, etc.
- b. In the event of an emergency, contractor services may be stopped and rescheduled at no additional cost to the government.

3. CONTRACTOR RESPONSABILITIES:

- a. The Contractor must be responsible for ensuring all provided personnel are properly licensed to operate a motor vehicle if operating a motor vehicle on VA property is required.
- b. Provide an Infection Control Risk Assessment.
- c. Meet all of the requirements as outlined in VA Program Guide PG-18-1 (Master Construction Specifications).
- d. Regulatory Compliance - EOSH requirements for work performed at the above location can be found in:
 - i. Volume 29 of the Code of Federal Regulations, Part 1910 - Occupational Safety for General Industry

- ii. Volume 29 of the Code of Federal Regulations, Part 1926 - Occupational Safety for The Construction Industry
 - iii. Volume 40 of the Code of Federal Regulations - Protection of The Environment
 - iv. Volume 49 of the Code of Federal Regulations, Part 397 - Transportation of Hazardous Materials
 - v. Title 7 of the Delaware Code - Conservation
 - vi. Title 16 of the Delaware Code - Health and Safety
- e. The VA Master Construction Specifications, <http://www.cfm.va.gov/til/> contain work procedures and material requirements designed to meet regulatory

END OF STATEMENT OF WORK