

June 1, 2018



CARPET FLOORING SERVICES

RFP# 001

BRIGGS WOODS CONFERENCE CENTER

2501 Briggs Woods Trail
Webster City, Iowa 50595

Administrator

Kelly Haman

Phone: 515-832-9572

Email: kellyh@briggswoods.com

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Notice to Proposers- Carpet and Flooring Services

I. GENERAL INFORMATION

Hamilton County is seeking competitive quotations from qualified Contractors to provide carpet flooring material supply and installation services at the County owned facility, Briggs Woods Conference Center in conjunction with the project general contractor, Peterson Construction. Proposals will be accepted at the Hamilton County Auditor's office, 2300 Superior Street, Suite 2, Webster City, Iowa 50595, Monday through Friday, 8:00 a.m. to 4:30 p.m. Proposals will be accepted up to and no later than 4:30 p.m., Monday, June 18, 2018.

A. Project Goal

The successful firm will provide carpet material and installation services for Hamilton County facility, Briggs Woods Conference Center. The contract shall be for the single job of providing carpet and installation for the Hamilton County facility Briggs Woods Conference Center and shall enter said contract with Hamilton County. (See Exhibit A- Proposal Form).

Questions about this RFP should be directed to:

Kelly Haman, Briggs Woods Conference Center Director

(515) 832-9572

kellyh@briggswoods.com

II. SELECTION PROCESS

The contract, if awarded, will be awarded to the Contractor whose proposal is considered the best value to Hamilton County. Best value will be determined based on price, responsiveness, capability, and responsibility. Hamilton County reserves the right to reject any and all proposals at its sole discretion. The following factors will be taken into account:

- A. The Contractor's understanding of the needs and objectives of the County.
- B. The ability of the Contractor to meet the terms of the RFP.
- C. Financial terms of the proposal.

Four (4) copies of the submission must be delivered to the address below by 4:30 p.m. on

Monday, June 18, 2018:

Hamilton County Auditor's Office

2300 Superior Street, Suite 2

Webster City, Iowa 50595

Standard Contract Provisions

- 1) All items contained in the "Standard Contract Provisions" are applicable to this request for proposals.
- 2) Hamilton County (hereafter referred to as "Owner") may require from the Proposer prior to the award of the contract a detailed statement regarding the business and technical organization and plant of the Proposer that is available for the work that is contemplated. Information pertaining to financial resources, experience of personnel, and previously completed construction projects may also be required. The competency and responsibility of bidders will be considered in making awards.
- 3) No plea of ignorance of site conditions will be accepted as an excuse for any failure of omission on the part of the Contractor to fulfill in every detail all the requirements of the work.
- 4) Each proposal shall be typed or written in ink using the bid form herein, and so filled out as to make the proposals complete and free from ambiguity as to their meaning. All erasures or corrections in proposals shall be initialed by the person signing the proposal.

Each proposal must be signed in the firm or corporate name and must bear an original longhand signature of a principal duly authorized to make contracts for the bidding party. The Proposer's name must be fully stated where proposals are signed by an agent of the Proposer; evidence of their authority to act as the Proposer's agent shall accompany the proposal. The name of each person signing the proposal shall be typed or printed below their signature.

Proposals must be submitted in sealed envelopes to the address below not later than the time set forth in "Notice to Bidders" and addressed as follows:

Proposal for: Carpet and Flooring Services

To: Hamilton County
2300 Superior Street, Webster City, Iowa 50595
RFP Number: 001

Show the name and address of the proposing firm in the upper left-hand corner of the envelope. Also show the proposal number (001) in the lower left-hand corner.

- 5) The Owner reserves the right to reject any or all proposals, or any part thereof, or to waive any informalities in any proposal, deemed to be for the best interests of the Owner.
- 6) A Bid may not be modified, withdrawn or canceled by the Bidder for at least thirty (30) days after the scheduled closing time for the receipt of bids, and each bidder so agrees in submitting a Bid.
- 7) In the "Award of Contract," the Proposer's reputation and the amount of the proposal will be considered. The Owner reserves the right to accept the proposal deemed most favorable for this project after all proposals have been examined and evaluated.

Prior to commencing work on this project, and within fifteen (15) days after notification of award, the Contractor is required to post a "Certificate of Insurance" with the Owner. (See No. 8 below.)

- 8) The successful Proposer will be required to furnish a "Certificate of Insurance" to the Hamilton County Auditor, indicating that the Proposer has obtained for the benefit and protection of themselves and Hamilton County, Iowa, an adequate liability insurance policy, along with a certification by an insurance company to the effect that the Proposer has obtained public liability and worker's compensation insurance in a sufficient amount to protect themselves and the County from any liability of damage resulting from

injury to their employees or to others or to the property of others. The "Certificate of Insurance" shall also certify that the insurance will not be cancelled or allowed to lapse during the time of work without first giving notice in writing to Hamilton County, Iowa.

Maintenance of the insurance by the Contractor shall in no way relieve the Contractor from any responsibility or requirement to the Contractor of any responsibility whatsoever. The Contractor may carry, at their own expense, such additional insurance as is deemed necessary providing such insurance does not prejudice or in any way interfere with the Owner's rights of recovery under the Owner's Builder's Risk Insurance.

9) The Proposer's attention is directed to the fact that all applicable Federal and State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the Contract throughout, and these will be deemed to be included in the Contract the same as though herein written out in full.

Where state and/or local codes exist, these shall be followed by all contractors for this project. Where conflicts exist between applicable codes and these specifications, the codes shall govern. The specifications shall be considered as a minimum acceptable level of quality of materials and workmanship.

10) All proposals shall include all taxes that are applicable to Hamilton County. The City and State of Iowa sales tax and Federal excise taxes are not applicable to sales made to Hamilton County and must be excluded. The Hamilton County Auditor upon request will execute the exemption certificates in connection with all orders when Federal excise tax would otherwise be due.

11) Contractor shall hold Hamilton County, its officer, agents and employees harmless from liability or damages of any nature or kind concerning the undertaking and execution of this Contract.

13) The Owner will permit the Contractor to use at no cost existing utilities such as light, heat, power and water necessary to the carrying out and completion of the work.

14) The Contractor shall be responsible for removal and disposal of all materials from the site and disposed in a sanitation landfill as required by local, state, and federal laws.

15) The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property either on or off the site, which occur as a result of the Contractor's completion of the work. The safety provisions of applicable laws and building construction codes shall be observed.

16) All changes to the Contract must be mutually agreed upon in writing and signed by the parties to the Contract. If any such agreed upon change causes an increase or decrease in the Contractor's cost of, or the time required for the performance of any part of the work under this Contract, adjustment shall be made and the Contract modified accordingly. Any agreements not signed as heretofore indicated shall be considered null and void. The Contractor shall furnish an itemized price breakdown in connection with any proposal made for Contract modification. The price breakdown shall be in sufficient detail to permit an analysis of all material and labor costs. If the proposal includes a time extension, a justification therefore also shall be furnished.

17) The provisions of this Contract apply to any subcontractor. The Contractor agrees that they are fully responsible to the Owner for the acts and omission of their subcontractors and of persons either directly or indirectly employed by them as they are for the acts and omissions of themselves or persons directly employed by them. Nothing contained in the Contract documents shall create any contractual relation between any subcontractor and the Owner. The Contractor shall not contract any part of the work under this Contract or permit their contracted work to be further subcontracted without the prior written approval of the Owner.

18) In case the Contractor fails to furnish materials or to execute work in accordance with the provisions of this Contract, or fails to proceed with or to complete the work within the time specified in this Contract, or otherwise violates the provisions of the Contract, then in any case upon ten (10) days written notice to the Contractor by the Owner, Hamilton County shall have the right to declare the Contractor in default in the performance of their obligations under the Contract. Said notice shall contain the reason for the Owner's intent to declare the Contractor in default. Unless, within ten (10) days after the Contractor's receipt of said notice, the violation shall cease or satisfactory arrangements shall be made for its correction, the Contractor by written notice may be declared in default and their right to proceed under the Contract may be terminated. In the event the Contractor is thus declared to be in default, the Owner will proceed to have the work completed and shall apply to the cost of having the work completed any money due the Contractor under the Contract. The Contractor shall be responsible for any damages resulting to the Owner by reason of said default. Notice shall be considered as given by the Owner for purpose of this agreement if mailed by regular mail to the Contractor at address listed by Contractor on proposal form.

19) The work provided hereunder by the Contractor shall be executed as directed by the Pricing Form and Contract Specifications and shall be performed in a skillful and professional manner. All materials used in the construction, rehabilitation, renovation, remodeling and improvement shall be new unless otherwise expressly set forth in the Contract Specifications and shall be sealed in their original containers until opened at the job site.

20) The Contractor shall give their personal superintendence to the work or have a competent foreman or superintendent on the work at all times during progress, with authority to act for the Contractor.

21) The Contractor shall keep the premises clean and orderly during the course of the work and shall remove all debris at the completion of the work. Materials and equipment that have been removed and replaced as part of the work shall belong to the Contractor.

22) The successful proposer shall furnish the Owner with an estimated time schedule setting up order of procedure and time allowed for each branch of the work. Contractor and subcontractors shall make every effort to complete the work regularly and diligently and to adhere to these schedules and to cause no delays to each other. Should a subcontractor fail to maintain progress according to approved schedule or cause delay to another subcontractor, they shall furnish at their own expense, such additional labor and/or services as may be necessary to bring the operation up to schedule.

23) Payment will be made in installments upon submittal to Hamilton County for approval no later than the Wednesday prior to either the second or fourth Tuesday of each month. Payment for material at the project site will be allowed. Payment for material storage off site will be allowed upon proof of material delivery by shipment documentation and photographs of material along with an insurance certificate for the building the material is stored in. Final payment shall be subject to satisfactory final inspection and acceptance by the Briggs Woods Conference Center Director and Hamilton County.

24) Tobacco use is prohibited inside the conference room building.

25) No bid security is required.

26) No Performance Bond or Payment Bond is required.

27) The Contractor shall be responsible for coordinating a schedule with the Hamilton County and Peterson Construction. Installation of the flooring material is anticipated to take place in Fall 2018 but no set schedule is known at this time.

28) The Contractor will be responsible for repairs to all wall surfaces, doors, door frames, and any other materials found damaged due to this Contractor work. Payment for repairs will be taken out of the contract amount upon negotiation with Peterson Construction.

29) Working hours at the project site shall be coordinated with the Owner and Peterson Construction. Normal construction hours are 7:00 a.m. to 5:30 p.m. Monday through Friday. Any work at the project site outside of these days and time shall be allowed only with approval from the Owner and Peterson Construction. All safety and security measures established by the Owner and Peterson Construction shall be followed by this Contractor.

PRICE PROPOSAL

EXHIBIT A

THIS FORM MUST BE COMPLETED BY THE CONTRACTOR AND INCLUDED IN THE PROPOSAL.

BRIGGS WOODS CONFERENCE CENTER

PROPOSAL FORM

RFP TITLE: Carpet Flooring Services for the Briggs Woods Conference Center

RECEIVED BY: June 18, 2018 TIME DUE: 4:30 p.m.

WHERE: Hamilton County Auditor's Office, 2300 Superior Street, Suite 2, Webster City, Iowa 50595

The undersigned proposer, having examined the specifications and other documents, hereby agrees to supply services as per the attached specifications and to perform other work stipulated in, required by and in accordance with the proposal documents attached for an in consideration of the proposed prices and certifies meets minimum bidder qualifications.

PLEASE SUBMIT ONE (1) ORIGINAL

AND

THREE (3) COPIES OF YOUR PROPOSAL

To be considered, all proposals must: be signed, include worksheets and be received by the due date and time.

FIRM NAME: _____

ADDRESS: _____

CITY/STATE/ZIP _____

TELEPHONE # _____ FAX # _____

INCORPORATED: _____ YES _____ NO (please check one)

AUTHORIZED REPRESENTATIVE: _____ (printed)

SIGNATURE _____

DATE: _____ TITLE _____

Acknowledge Project is Sales Tax Exempt _____

PRICE PROPOSAL

EXHIBIT A

BRIGGS WOODS CONFERENCE CENTER

Carpet Flooring Services for the Briggs Woods Conference Center

Briggs Woods Conference Center
 2501 Briggs Woods Trail
 Webster City, Iowa 50595

FEE PROPOSAL WORKSHEET

Description	Amount
<u>Carpet/Flooring:</u>	
Carpet Tile A & B (Reawakened & Rediscovered) Lump sum total for all carpet tile per specifications. Contractor is responsible for field measurements and yardage requirements. Include all required material and freight.	\$ _____
Carpet A & B Installation Labor	\$ _____
Carpet A & B Attic Stock (5% of each Carpet A & B)	\$ _____
Carpet C (Step Up II) Lump sum total for all carpet per specifications. Contractor is responsible for field measurements and yardage requirements. Include all required material and freight.	\$ _____
Carpet C Installation Labor	\$ _____
Carpet D (Quixotic – Carpet Base) Lump sum total for all carpet base per specifications. Contractor is responsible for field measurements and yardage requirements. Include all required material and freight.	\$ _____
Carpet D Installation Labor	\$ _____
A, B, C, D Total	\$ _____

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Monday, June 18, 2018:

Hamilton County Auditor's Office

2300 Superior Street, Suite 2

Webster City, Iowa 50595

1. List any exceptions or assumptions in your pricing in the space below, or separate attachment:

**Product Guide Specification
Commercial Carpet**

SECTION 09 68 13

Carpet Tile **Reawakened GT302 NTX (field carpet)**

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. This specification section shall be for carpet tile herein identified as Carpet A on the price proposal form.
- B. Manufacturers
- C. Testing Protocols
- D. Performance Requirements
- E. Product Specifications
- F. Environmental Requirements
- G. Warranties
- H. Exclusions
- I. Installation
- J. Maintenance
- K. Accessories

1.2 REFERENCES

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16 – Test Method for Colorfastness to Light
- AATCC 107 – Test Method for Colorfastness to Water
- AATCC 129 – Test Method for Colorfastness to Ozone in the Atmosphere under High Humidity.
- AATCC 134 – Test Method for Electrostatic Propensity of Carpets.
- AATCC 165 – Test Method for Colorfastness to Crocking: Carpets – AATCC Crock Meter Method
- AATCC 175 – Test Method for stain Resistance: Pile Floor Coverings

American Society for Testing and Materials (ASTM):

- ASTM D418 – Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile Thickness only)
- ASTM E648 – Test Method for Critical Radiant Flux of Floor Covering Systems
- ASTM E662 – Test Method for Specific Optical Density of Smoke

International Standards Organization (ISO):

- ISO 2551 – Test Method for Dimensional Stability (Aachen Test)

Carpet and Rug Institute (CRI):

- CRI Indoor Air Quality Testing and Labeling Program

1.3 PERFORMANCE REQUIREMENTS

Comply with the following performance requirements:

- Radiant Panel: ASTM E648: >.45 watts/sq. cm: Class 1
- Smoke Density: ASTM E662: 450 Flaming Mode - Maximum

- Static Generation: AATCC 134: 3.5 KV - Maximum
- Lightfastness: AATCC 16E: Min 4.0 at 40 hrs.
- Crocking: AATCC 165: 4.0 – Wet/Dry
- Cold Water Bleed: AATCC 107: 3.0 - Minimum
- Ozone Fade: AATCC 129: 3.0 - Minimum
- Soil Protection: AATCC 189: 500 PPM Min.
- CRI Green Label Plus Air Quality Certification: Pass
- CRI Appearance Retention Rating 3.0 minimum – Heavy Traffic
3.5 minimum – Severe Traffic
- Aachen Test: ISO 2551 Less than .15% shrinkage or growth
- Stain protection: AATCC 175: Equal to or greater than 8.0 on Red 40 stain test.

Special Performance Requirements

- Must have Soil and Stain Resist treatment
- Must have minimum 20 dpf fiber
- Must have Trilobal cross-section
- Must have permanent anti-stat yarn

1.4 SUBMITTALS

- Manufacturer's Data
Submit two (2) copies of manufacturer's specifications and installation instructions for carpet tile and related items specified.
- Fiber Requirements
Submit certification from the fiber producer verifying the following:
 - Use of the specified fiber in the submitted carpet product.
- Warranties
Submit warranties as described in Section 1.13
- Maintenance
 - Maintenance Manual – submit manual of carpet manufacturer's recommendations for the general care, cleaning and maintenance of carpet tile products.
- Certificate of Compliance
Submit certified test reports that carpet tile meets all the performance requirements stated above in section 1.3 Performance requirements. Submit certified test reports from a NVLAP Certified Lab that carpet meets all performance criteria.
- Shop Drawings
For carpeted areas submit shop drawings showing installation of carpeting, pattern direction, necessary installation accessories, and provisions for work of other trades. Show location of different patterns or styles of carpet tile. Also show locations of any threshold conditions
 - The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.
- Samples
Submit standard-size carpet tile samples of each type of carpet, in each specified pattern, color and construction.

Any alternates to specified products must be submitted for approval by a representative of the end user or architect/design firm at least ten (10) working days prior to bid or proposal.

- Final Sample Submittal
- Submit two (2) sets of samples for each carpet type.

- No carpet shipments are permitted until acceptance of final samples is given by representative of the end user or architect/design firm, certifying that samples are the approved color, pattern and texture.

1.5 CLOSEOUT SUBMITTALS

- Maintenance Data
Include maintenance procedures, recommended cleaning and stain removal materials, and recommended cleaning schedule. Include product data and Safety Data Sheets (SDS) for cleaning and stain-removal materials.
- Installation Instructions
Include detailed installation procedures. Include carpet tile installation procedures, adhesive types, trowel sizes, spread rates, open times, and Safety Data Sheets (SDS) for all carpet tile adhesives.
- Warranties and Performance Certifications
Submit written warranties for all products as well as performance testing results on all items included in Warranty section and Performance section of this specification.

1.6 QUALITY ASSURANCE

- Single Source Responsibility: Provide products from a single manufacturer.
 - Warranties must be standard and not job specific.
 - All styles must come from the same manufacturer.
 - Must be single source fiber extrusion and yarn manufacturing.

1.7 QUALIFICATIONS

- Manufacturer
Company specializing in manufacturing carpet tiles with minimum five (5) years (documented) experience.
- Installer/Flooring Contractor Qualifications
 - Carpet contractor must provide all the necessary licenses, performance bonds, and insurance certificates that comply with all local, state, and federal laws, ordinances, or codes prior to the start of the installation.
 - Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed commercial carpet with vinyl backings on commercial carpet projects of similar size and scope for at least five (5) years.
 - Flooring Contractor to provide references at the request of the owner.
 - Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.
 - Carpet Contractor to provide owner a written warranty that guarantees the completed installation be free from defects in materials and workmanship for a period of two (2) years after job completion.

1.8 PRE-INSTALLATION MEETINGS

- Convene one (1) week prior to commencing work of this section.
- Require attendance of (manufacturer), (installer), (contractor), (owner), (architect) and other parties directly affecting the work of this section.

1.9 DELIVERY, STORAGE AND HANDLING

- Deliver carpet tile in sealed protective boxes and accessories in sealed containers. Segregate each carpet product (if several product styles are involved), according to style, color, pattern, dye lot, run number, and quantity.
- Store products in an enclosed and dry area protected from damage and soiling.

1.10 SITE ENVIRONMENTAL REQUIREMENTS

- Do not install carpet tile until all areas have been fully enclosed and the environmental conditions have reached the levels desired for occupancy of the space.
- Maintain ambient temperature and humidity conditions during and after installation of carpet tile at occupancy levels.
- Allow carpet to reach room temperature, or minimum temperature recommended by manufacturer prior to the start of the installation.
- Protect adhesives from freezing. Follow manufacturer's recommendations for minimum temperatures to which adhesives are exposed.

1.11 FIELD MEASUREMENTS

- Verify that field measurements are as indicated on drawings.

1.12 SEQUENCING

- Sequence installation so as to minimize possibility of damage and soiling of carpet.
- Do not commence installation until painting and finishing work are complete, and ceiling and overhead work have been tested, approved and completed.
- Remove and replace existing carpet (renovations) in accordance with pre-approved architectural plan.

1.13 WARRANTYWarranty Performance Requirements

- Provide manufacturer's lifetime warranties for:
 - Wear
 - Static
 - Edge Ravel
 - Zippering
 - Delamination
 - Dimensional Stability
- Supplemental Fiber Warranties:
 - Lifetime Stain Warranty
 - Lifetime Warranty against color transfer wet or dry
 - Lifetime Warranty against wet fastness
 - 10 Year Colorfastness to Light
 - 10 Year Colorfastness to Atmospheric contaminants

1.14 EXTRA MATERIALS

- Provide 5% percent overage of calculated yardage for each type of carpet (include carpet needed for complete installation plus waste and usable scraps in calculated yardage). Recycle waste, unusable

scrap and any carpet tile damaged during installation through a qualified industry recycling or manufacturer environmental program.

- Deliver specified attic stock requirements to Owner’s designated storage space, properly packaged and identified.

PART 2: PRODUCTS

2.1 MANUFACTURERS

- Mohawk Group, 160 S. Industrial Blvd, Calhoun GA Telephone 800.241.4494 Web Site: www.mohawkgroup.com.
- Contact: **Kent Odefey Cell: 563.650.6548**
- Substitutions are not allowed.

2.2 CARPET TILE CONSTRUCTION

- All yarn and other carpet materials shall be manufacturer’s first quality.
- Carpet tile backing composite shall be constructed in the following manner:
- Backing Material/Composition
 Primary – Reinforced Synthetic – non woven
 Secondary Backing Layer – Thermoplastic Polymer

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

CARPET A

Style Name:	Reawakened GT302 Tile
Product Type:	Carpet Tile
Construction:	Tufted
Surface Texture:	Patterned Tip Shear
Gauge:	1/12 (47.00 rows per 10 cm)
Density:	5,944
Weight Density:	107,009
Stitches per Inch:	11.0 (43.31 per 10 cm)
Finished Pile Thickness:	.109” (2.77 mm)
Dye Method:	Solution Dyed
Backing Material:	EcoFlex NXT
Fiber Type:	Duracolor® Premium Nylon
Face Weight:	18.0 oz. per sq.yd. (610 g/m2)
Size:	24” x 24” (.6096m x .6096 m)
Soil Release Technology:	Sentry Soil Protection
Installation Method:	Monolithic, HalfLap, BrickAshlar, BasketWeave, PlankHalfLap, MonolithicStepping, Random, Herringbone
Indoor Air Quality:	CRI Green Label Plus GLP1171
Foot Traffic Recommendation TARR:	Heavy
NSF 140	EcoFlex NXT - NSF 140 Gold

All specifications are subject to normal manufacturing tolerances

2.3 ENVIRONMENTAL ATTRIBUTES AND CRITERIA

- Environmental claims by manufacturer must comply with FTC guidelines.
- Low Emitting Materials – Carpet Tile. Carpet must pass the Carpet and Rug Institute Green Label Plus Program for VOC emissions.

- Low Emitting Materials: Carpet Tile and all installation components, including adhesives, must meet the *Low Emitting Materials* standards as outlined in U.S. Green Building Council LEED criteria. Adhesives must meet VOC emissions standards per South Coast Air Quality Management District Rule #1168.
- Installation adhesives must pass the CRI Green Label Plus equivalent protocol for VOC emissions.
- End of Life Reclamation – Carpet manufacturers must have existing program in place to achieve landfill diversion. Refer to Section 3.7 of this section for specific requirements for reclamation of material. ReCover – Carpet recycling program, call toll free 877-373-2925.
- Recycled Content: Carpet must contain 35% Post-consumer recycled content based on total product weight.
- Carpet Face Yarn: In accordance with Executive Order 13101, carpet face yarn must contain minimum 25% pre-consumer Recycled content.
- NSF/ANSI 140 – 2007e Gold Certified

2.4 ACCESSORIES

- Leveling Compound: Latex type as recommended by carpet manufacturer; compatible with carpet adhesive and curling/sealing compound used on concrete.
- Pressure Sensitive Adhesive: Low VOC EnPress® Pressure Sensitive Adhesive carpet tile adhesive, as recommended by carpet manufacturer for direct glue down of carpet tiles; comply with CRI Green Label Plus Certification Program.
- Non-Metallic Carpet Edge Guard: Extruded or molded heavy-duty vinyl or rubber carpet edge guard of size and profile indicated; minimum two (2) inch wide anchorage flange; colors selected by (Architect) (Designer) from manufacturer's standard range of colors.
- Miscellaneous Materials: As recommended by manufacturer of carpet, cushion, and other carpet products; as required to complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

- Examine substrates for conditions under which carpet tiles are to be installed.
- Verify that floor surfaces are smooth and flat within tolerances specified in Section 3.2 and are ready to receive work.
- Beginning of installation means installer accepts existing substrate conditions.

3.2 PREPARATION

- Allow new concrete to cure for 90 days before carpet installation starts.
- Perform moisture content testing as required by manufacturer's instructions to ensure pH readings of no more than nine (9). Moisture transmission of 3.0-lbs/sq. ft per 24 hours is acceptable. If values exceed this level, follow manufacturer's recommendations for moisture transmission mitigation. Do not proceed until unsatisfactory conditions have been corrected.
- Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes and other defects with sub-floor filler.

- Fill, level and make smooth cracks 1/16 inch or more, holes, unevenness, and roughness with compatible latex floor patching compounds. Feather floor filling or leveling compound a minimum of four (4) ft. Sweep floor of loose granular debris prior to filling. After filling, allow filler to dry. Damp mop floor with warm water and allow to dry. Vacuum after mopping to ensure that loose granular debris is removed and to provide a proper substrate to install carpet tile. Prohibit traffic until filler is cured.
- Vacuum floor again immediately before installation of carpeting.
- Confirm compatibility of EnPress® Pressure Sensitive Adhesive with curing compounds on concrete floors.
- Preheat areas to receive carpet tile to a minimum temperature of 68° F for 72 hours prior to installation, with a relative humidity of not more than 65 percent. Maintain minimum temperature of 50° F thereafter. Carpet tile and adhesive must be stored at a minimum temperature of 68° F, for 72 hours prior to installation.
- Store EnPress® Pressure Sensitive Adhesive and other liquid materials in same atmospheric conditions as carpet tile, 68° F for at least 72 hours.

3.3 INSTALLATION

- Install carpet tile in accordance with the Technical Bulletins provided by the manufacturer. These technical bulletins will offer the proper instructions to install carpet tile including: (1) conducting site testing and conditioning, (2) floor preparation, (3) installation of the carpet tile, including carpet tile layout (if more than one pattern or color) and approved adhesives, systems, etc. As a supplement, the CRI 104, section 8 will supply additional installation support guidance for your installation.
- Install carpet tile under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets in each space.
- Conceal cut edges with protective edge guards or flanges.
- Install carpet tile under open-bottom items and cut tiles tight against walls, columns, and cabinets so that the entire floor area is covered with carpet tile. Cover over floor-type door closers.
- Install edging guards at openings and doors wherever the carpet tile terminates, unless indicated otherwise.
- Perform cutting in accordance with manufacturer's recommendation using tools designed for carpet tile being installed. Verify carpet tile patterns and colors before cutting to insure minimal variation between dye lots.
- Install carpet tile according to manufacturer's instructions. Depending on the product specification, install either monolithically, quarter turned, Ashlar, or random. Installation requirements will be spelled out in the architectural drawings for the recommended method to be employed.
- Use leveling compound where necessary. Feather floor leveling compounds minimum of 4 ft.
- Trim carpet tile neatly at walls, and around interruptions
- Complete installation of edge strips, concealing exposed edges.
- Cut carpet tile at fixtures, architectural elements, and perimeters.
- Install carpet on stairs using acceptable permanent adhesive. Furnish and use compatible edge strip and nosing products as required.

3.4 FIELD QUALITY CONTROL

- Inspect completed carpet tile installation on each floor.
- Verify that installation is complete; work is properly done and acceptable.
- Remove and replace, at no additional cost to owner, any work found not to be acceptable.

3.5 CLEANING

- On completion of installation in each area, remove dirt and scraps from surface of finished carpet tile. Clean soiling, spots, or excess adhesive on carpet with cleaning materials recommended by carpet manufacturer.
- Remove debris; sort pieces from carpet scraps.
- At completion of work, vacuum carpet using commercial vacuuming equipment as recommended by manufacturer. Remove spots and replace carpet tile where spots cannot be removed. Remove rejected carpet tile pieces and replace with new modules. Remove any protruding yarns with shears or sharp scissors.

3.6 PROTECTION

- Do not permit traffic over unprotected carpet surface.
- Protect carpet tile against damage during construction. Cover with 6-mil thick polyethylene during construction period so that carpet will be without soiling, deterioration, wear, or damage at time of completion.
- Prior to furniture move in, heavy traffic areas will be protected with additional Masonite sheets to protect the carpet from damage.
- Damaged carpet tile will be rejected. As carpet tile is installed, remove trimmings, scraps of carpet and installation materials.
- Maintain protection of carpeting on each floor or area until work is accepted.

3.7 CARPET A SCHEDULE

- Carpet A shall used in 50% of all the areas shown in attached drawing (labeled Attachment 1) that label said carpet.
- See Specification Section 09 68 14 for remaining 50% carpet material.
- Carpet A and Carpet B shall be placed in random pattern conforming to Mohawk Carpets.
- See Specification Section 09 63 16 for carpet base.

END OF SECTION

**Product Guide Specification
Commercial Carpet**

SECTION 09 68 14

Carpet Tile Rediscovered GT303 NTX (field carpet)

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. This specification section shall be for carpet tile herein identified as Carpet B on the price proposal form.
- B. Manufacturers
- C. Testing Protocols
- D. Performance Requirements
- E. Product Specifications
- F. Environmental Requirements
- G. Warranties
- H. Exclusions
- I. Installation
- J. Maintenance
- K. Accessories

1.2 REFERENCES

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16 – Test Method for Colorfastness to Light
- AATCC 107 – Test Method for Colorfastness to Water
- AATCC 129 – Test Method for Colorfastness to Ozone in the Atmosphere under High Humidity.
- AATCC 134 – Test Method for Electrostatic Propensity of Carpets.
- AATCC 165 – Test Method for Colorfastness to Crocking: Carpets – AATCC Crock Meter Method
- AATCC 175 – Test Method for stain Resistance: Pile Floor Coverings

American Society for Testing and Materials (ASTM):

- ASTM D418 – Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile Thickness only)
- ASTM E648 – Test Method for Critical Radiant Flux of Floor Covering Systems
- ASTM E662 – Test Method for Specific Optical Density of Smoke

International Standards Organization (ISO):

- ISO 2551 – Test Method for Dimensional Stability (Aachen Test)

Carpet and Rug Institute (CRI):

- CRI Indoor Air Quality Testing and Labeling Program

1.3 PERFORMANCE REQUIREMENTS

Comply with the following performance requirements:

- Radiant Panel: ASTM E648: >.45 watts/sq. cm: Class 1
- Smoke Density: ASTM E662: 450 Flaming Mode - Maximum
- Static Generation: AATCC 134: 3.5 KV - Maximum
- Lightfastness: AATCC 16E: Min 4.0 at 40 hrs.

- Crocking: AATCC 165: 4.0 – Wet/Dry
- Cold Water Bleed: AATCC 107: 3.0 - Minimum
- Ozone Fade: AATCC 129: 3.0 - Minimum
- Soil Protection: AATCC 189: 500 PPM Min.
- CRI Green Label Plus Air Quality Certification: Pass
- CRI Appearance Retention Rating 3.0 minimum – Heavy Traffic
3.5 minimum – Severe Traffic
- Aachen Test: ISO 2551 Less than .15% shrinkage or growth
- Stain protection: AATCC 175: Equal to or greater than 8.0 on Red 40 stain test.

Special Performance Requirements

- Must have Soil and Stain Resist treatment
- Must have minimum 20 dpf fiber
- Must have Trilobal cross-section
- Must have permanent anti-stat yarn

1.4 SUBMITTALS

- Manufacturer's Data
Submit two (2) copies of manufacturer's specifications and installation instructions for carpet tile and related items specified.
- Fiber Requirements
Submit certification from the fiber producer verifying the following:
 - Use of the specified fiber in the submitted carpet product.
- Warranties
Submit warranties as described in Section 1.13
- Maintenance
 - Maintenance Manual – submit manual of carpet manufacturer's recommendations for the general care, cleaning and maintenance of carpet tile products.
- Certificate of Compliance
Submit certified test reports that carpet tile meets all the performance requirements stated above in section 1.3 Performance requirements. Submit certified test reports from a NVLAP Certified Lab that carpet meets all performance criteria.
- Shop Drawings
For carpeted areas submit shop drawings showing installation of carpeting, pattern direction, necessary installation accessories, and provisions for work of other trades. Show location of different patterns or styles of carpet tile. Also show locations of any threshold conditions
 - The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.
- Samples
Submit standard-size carpet tile samples of each type of carpet, in each specified pattern, color and construction.

Any alternates to specified products must be submitted for approval by a representative of the end user or architect/design firm at least ten (10) working days prior to bid or proposal.

- Final Sample Submittal
 - Submit two (2) sets of samples for each carpet type.

- No carpet shipments are permitted until acceptance of final samples is given by representative of the end user or architect/design firm, certifying that samples are the approved color, pattern and texture.

1.5 CLOSEOUT SUBMITTALS

- Maintenance Data
Include maintenance procedures, recommended cleaning and stain removal materials, and recommended cleaning schedule. Include product data and Safety Data Sheets (SDS) for cleaning and stain-removal materials.
- Installation Instructions
Include detailed installation procedures. Include carpet tile installation procedures, adhesive types, trowel sizes, spread rates, open times, and Safety Data Sheets (SDS) for all carpet tile adhesives.
- Warranties and Performance Certifications
Submit written warranties for all products as well as performance testing results on all items included in Warranty section and Performance section of this specification.

1.6 QUALITY ASSURANCE

- Single Source Responsibility: Provide products from a single manufacturer.
 - Warranties must be standard and not job specific.
 - All styles must come from the same manufacturer.
 - Must be single source fiber extrusion and yarn manufacturing.

1.7 QUALIFICATIONS

- Manufacturer
Company specializing in manufacturing carpet tiles with minimum five (5) years (documented) experience.
- Installer/Flooring Contractor Qualifications
 - Carpet contractor must provide all the necessary licenses, performance bonds, and insurance certificates that comply with all local, state, and federal laws, ordinances, or codes prior to the start of the installation.
 - Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed commercial carpet with vinyl backings on commercial carpet projects of similar size and scope for at least five (5) years.
 - Flooring Contractor to provide references at the request of the owner.
 - Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.
 - Carpet Contractor to provide owner a written warranty that guarantees the completed installation be free from defects in materials and workmanship for a period of two (2) years after job completion.

1.8 PRE-INSTALLATION MEETINGS

- Convene one (1) week prior to commencing work of this section.
- Require attendance of (manufacturer), (installer), (contractor), (owner), (architect) and other parties directly affecting the work of this section.

1.9 DELIVERY, STORAGE AND HANDLING

- Deliver carpet tile in sealed protective boxes and accessories in sealed containers. Segregate each carpet product (if several product styles are involved), according to style, color, pattern, dye lot, run number, and quantity.
- Store products in an enclosed and dry area protected from damage and soiling.

1.10 SITE ENVIRONMENTAL REQUIREMENTS

- Do not install carpet tile until all areas have been fully enclosed and the environmental conditions have reached the levels desired for occupancy of the space.
- Maintain ambient temperature and humidity conditions during and after installation of carpet tile at occupancy levels.
- Allow carpet to reach room temperature, or minimum temperature recommended by manufacturer prior to the start of the installation.
- Protect adhesives from freezing. Follow manufacturer's recommendations for minimum temperatures to which adhesives are exposed.

1.11 FIELD MEASUREMENTS

- Verify that field measurements are as indicated on drawings.

1.12 SEQUENCING

- Sequence installation so as to minimize possibility of damage and soiling of carpet.
- Do not commence installation until painting and finishing work are complete, and ceiling and overhead work have been tested, approved and completed.
- Remove and replace existing carpet (renovations) in accordance with pre-approved architectural plan.

1.13 WARRANTY

Warranty Performance Requirements

- Provide manufacturer's lifetime warranties for:
 - Wear
 - Static
 - Edge Ravel
 - Zippering
 - Delamination
 - Dimensional Stability
- Supplemental Fiber Warranties:
 - Lifetime Stain Warranty
 - Lifetime Warranty against color transfer wet or dry
 - Lifetime Warranty against wet fastness
 - 10 Year Colorfastness to Light
 - 10 Year Colorfastness to Atmospheric contaminants

1.14 EXTRA MATERIALS

- Provide 5% percent overage of calculated yardage for each type of carpet (include carpet needed for complete installation plus waste and usable scraps in calculated yardage). Recycle waste, unusable

scrap and any carpet tile damaged during installation through a qualified industry recycling or manufacturer environmental program.

- Deliver specified attic stock requirements to Owner’s designated storage space, properly packaged and identified.

PART 2: PRODUCTS

2.1 MANUFACTURERS

- Mohawk Group, 160 S. Industrial Blvd, Calhoun GA Telephone 800.241.4494 Web Site: www.mohawkgroup.com.
- Contact: **Kent Odefey Cell: 563.650.6548**
- Substitutions are not allowed.

2.2 CARPET TILE CONSTRUCTION

- All yarn and other carpet materials shall be manufacturer’s first quality.
- Carpet tile backing composite shall be constructed in the following manner:
- Backing Material/Composition
 Primary – Reinforced Synthetic – non woven
 Secondary Backing Layer – Thermoplastic Polymer

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

CARPET B

Style Name:	Rediscovered GT303 Tile
Product Type:	Carpet Tile
Construction:	Tufted
Surface Texture:	Patterned Tip Shear
Gauge:	1/12 (47.00 rows per 10 cm)
Density:	6,612
Weight Density:	119,020
Stitches per Inch:	11.0 (43.31 per 10 cm)
Finished Pile Thickness:	.098” (2.49 mm)
Dye Method:	Solution Dyed
Backing Material:	EcoFlex NXT
Fiber Type:	Duracolor® Premium Nylon
Face Weight:	18.0 oz. per sq.yd. (610 g/m2)
Size:	24” x 24” (.6096m x .6096 m)
Soil Release Technology:	Sentry Soil Protection
Installation Method:	Monolithic, HalfLap, BrickAshlar, BasketWeave, PlankHalfLap, MonolithicStepping, Random, Herringbone
Indoor Air Quality:	CRI Green Label Plus GLP1171
Foot Traffic Recommendation TARR:	Heavy
NSF 140	EcoFlex NXT - NSF 140 Gold

All specifications are subject to normal manufacturing tolerances

2.3 ENVIRONMENTAL ATTRIBUTES AND CRITERIA

- Environmental claims by manufacturer must comply with FTC guidelines.
- Low Emitting Materials – Carpet Tile. Carpet must pass the Carpet and Rug Institute Green Label Plus Program for VOC emissions.

- Low Emitting Materials: Carpet Tile and all installation components, including adhesives, must meet the *Low Emitting Materials* standards as outlined in U.S. Green Building Council LEED criteria. Adhesives must meet VOC emissions standards per South Coast Air Quality Management District Rule #1168.
- Installation adhesives must pass the CRI Green Label Plus equivalent protocol for VOC emissions.
- End of Life Reclamation – Carpet manufacturers must have existing program in place to achieve landfill diversion. Refer to Section 3.7 of this section for specific requirements for reclamation of material. ReCover – Carpet recycling program, call toll free 877-373-2925.
- Recycled Content: Carpet must contain 35% Post-consumer recycled content based on total product weight.
- Carpet Face Yarn: In accordance with Executive Order 13101, carpet face yarn must contain minimum 25% pre-consumer Recycled content.
- NSF/ANSI 140 – 2007e Gold Certified

2.4 ACCESSORIES

- Leveling Compound: Latex type as recommended by carpet manufacturer; compatible with carpet adhesive and curling/sealing compound used on concrete.
- Pressure Sensitive Adhesive: Low VOC EnPress® Pressure Sensitive Adhesive carpet tile adhesive, as recommended by carpet manufacturer for direct glue down of carpet tiles; comply with CRI Green Label Plus Certification Program.
- Non-Metallic Carpet Edge Guard: Extruded or molded heavy-duty vinyl or rubber carpet edge guard of size and profile indicated; minimum two (2) inch wide anchorage flange; colors selected by (Architect) (Designer) from manufacturer's standard range of colors.
- Miscellaneous Materials: As recommended by manufacturer of carpet, cushion, and other carpet products; as required to complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

- Examine substrates for conditions under which carpet tiles are to be installed.
- Verify that floor surfaces are smooth and flat within tolerances specified in Section 3.2 and are ready to receive work.
- Beginning of installation means installer accepts existing substrate conditions.

3.2 PREPARATION

- Allow new concrete to cure for 90 days before carpet installation starts.
- Perform moisture content testing as required by manufacturer's instructions to ensure pH readings of no more than nine (9). Moisture transmission of 3.0-lbs/sq. ft per 24 hours is acceptable. If values exceed this level, follow manufacturer's recommendations for moisture transmission mitigation. Do not proceed until unsatisfactory conditions have been corrected.
- Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes and other defects with sub-floor filler.

- Fill, level and make smooth cracks 1/16 inch or more, holes, unevenness, and roughness with compatible latex floor patching compounds. Feather floor filling or leveling compound a minimum of four (4) ft. Sweep floor of loose granular debris prior to filling. After filling, allow filler to dry. Damp mop floor with warm water and allow to dry. Vacuum after mopping to ensure that loose granular debris is removed and to provide a proper substrate to install carpet tile. Prohibit traffic until filler is cured.
- Vacuum floor again immediately before installation of carpeting.
- Confirm compatibility of EnPress® Pressure Sensitive Adhesive with curing compounds on concrete floors.
- Preheat areas to receive carpet tile to a minimum temperature of 68° F for 72 hours prior to installation, with a relative humidity of not more than 65 percent. Maintain minimum temperature of 50° F thereafter. Carpet tile and adhesive must be stored at a minimum temperature of 68° F, for 72 hours prior to installation.
- Store EnPress® Pressure Sensitive Adhesive and other liquid materials in same atmospheric conditions as carpet tile, 68° F for at least 72 hours.

3.3 INSTALLATION

- Install carpet tile in accordance with the Technical Bulletins provided by the manufacturer. These technical bulletins will offer the proper instructions to install carpet tile including: (1) conducting site testing and conditioning, (2) floor preparation, (3) installation of the carpet tile, including carpet tile layout (if more than one pattern or color) and approved adhesives, systems, etc. As a supplement, the CRI 104, section 8 will supply additional installation support guidance for your installation.
- Install carpet tile under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets in each space.
- Conceal cut edges with protective edge guards or flanges.
- Install carpet tile under open-bottom items and cut tiles tight against walls, columns, and cabinets so that the entire floor area is covered with carpet tile. Cover over floor-type door closers.
- Install edging guards at openings and doors wherever the carpet tile terminates, unless indicated otherwise.
- Perform cutting in accordance with manufacturer's recommendation using tools designed for carpet tile being installed. Verify carpet tile patterns and colors before cutting to insure minimal variation between dye lots.
- Install carpet tile according to manufacturer's instructions. Depending on the product specification, install either monolithically, quarter turned, Ashlar, or random. Installation requirements will be spelled out in the architectural drawings for the recommended method to be employed.
- Use leveling compound where necessary. Feather floor leveling compounds minimum of 4 ft.
- Trim carpet tile neatly at walls, and around interruptions
- Complete installation of edge strips, concealing exposed edges.
- Cut carpet tile at fixtures, architectural elements, and perimeters.
- Install carpet on stairs using acceptable permanent adhesive. Furnish and use compatible edge strip and nosing products as required.

3.4 FIELD QUALITY CONTROL

- Inspect completed carpet tile installation on each floor.
- Verify that installation is complete; work is properly done and acceptable.
- Remove and replace, at no additional cost to owner, any work found not to be acceptable.

3.5 CLEANING

- On completion of installation in each area, remove dirt and scraps from surface of finished carpet tile. Clean soiling, spots, or excess adhesive on carpet with cleaning materials recommended by carpet manufacturer.
- Remove debris; sort pieces from carpet scraps.
- At completion of work, vacuum carpet using commercial vacuuming equipment as recommended by manufacturer. Remove spots and replace carpet tile where spots cannot be removed. Remove rejected carpet tile pieces and replace with new modules. Remove any protruding yarns with shears or sharp scissors.

3.6 PROTECTION

- Do not permit traffic over unprotected carpet surface.
- Protect carpet tile against damage during construction. Cover with 6-mil thick polyethylene during construction period so that carpet will be without soiling, deterioration, wear, or damage at time of completion.
- Prior to furniture move in, heavy traffic areas will be protected with additional Masonite sheets to protect the carpet from damage.
- Damaged carpet tile will be rejected. As carpet tile is installed, remove trimmings, scraps of carpet and installation materials.
- Maintain protection of carpeting on each floor or area until work is accepted.

3.8 CARPET B SCHEDULE

- Carpet B shall used in 50% of all the areas shown in attached drawing (labeled Attachment 1) that label said carpet.
- See Specification Section 09 68 13 for remaining 50% carpet material.
- Carpet A and Carpet B shall be placed in random pattern conforming to Mohawk Carpets.
- See Specification Section 09 63 16 for carpet base.

END OF SECTION

Product Guide Specification

Commercial Carpet

SECTION 09 68 15

Carpet Tile **Step Up II QL311 (Walk off carpet)**

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. This specification section shall be for carpet tile herein identified as Carpet C on the price proposal form.
- B. Manufacturers
- C. Testing Protocols
- D. Performance Requirements
- E. Product Specifications
- F. Environmental Requirements
- G. Warranties
- H. Exclusions
- I. Installation
- J. Maintenance
- K. Accessories

1.2 REFERENCES

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16 – Test Method for Colorfastness to Light
- AATCC 107 – Test Method for Colorfastness to Water
- AATCC 129 – Test Method for Colorfastness to Ozone in the Atmosphere under High Humidity.
- AATCC 134 – Test Method for Electrostatic Propensity of Carpets.
- AATCC 165 – Test Method for Colorfastness to Crocking: Carpets – AATCC Crock Meter Method
- AATCC 175 – Test Method for stain Resistance: Pile Floor Coverings

American Society for Testing and Materials (ASTM):

- ASTM D418 – Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile Thickness only)
- ASTM E648 – Test Method for Critical Radiant Flux of Floor Covering Systems
- ASTM E662 – Test Method for Specific Optical Density of Smoke

International Standards Organization (ISO):

- ISO 2551 – Test Method for Dimensional Stability (Aachen Test)

Carpet and Rug Institute (CRI):

- CRI Indoor Air Quality Testing and Labeling Program

1.3 PERFORMANCE REQUIREMENTS

Comply with the following performance requirements:

- Radiant Panel: ASTM E648: >.45 watts/sq. cm: Class 1
- Smoke Density: ASTM E662: 450 Flaming Mode - Maximum
- Static Generation: AATCC 134: 3.5 KV - Maximum

- Lightfastness: AATCC 16E: Min 4.0 at 40 hrs.
- Crocking: AATCC 165: 4.0 – Wet/Dry
- Cold Water Bleed: AATCC 107: 3.0 - Minimum
- Ozone Fade: AATCC 129: 3.0 - Minimum
- Soil Protection: AATCC 189: 500 PPM Min.
- CRI Green Label Plus Air Quality Certification: Pass
- CRI Appearance Retention Rating 3.0 minimum – Heavy Traffic
3.5 minimum – Severe Traffic
- Aachen Test: ISO 2551 Less than .15% shrinkage or growth
- Stain protection: AATCC 175: Equal to or greater than 8.0 on Red 40 stain test.

Special Performance Requirements

- Must have Soil and Stain Resist treatment
- Must have minimum 20 dpf fiber
- Must have Trilobal cross-section
- Must have permanent anti-stat yarn

1.4 SUBMITTALS

- Manufacturer's Data
Submit two (2) copies of manufacturer's specifications and installation instructions for carpet tile and related items specified.
- Fiber Requirements
Submit certification from the fiber producer verifying the following:
 - Use of the specified fiber in the submitted carpet product.
- Warranties
Submit warranties as described in Section 1.13
- Maintenance
 - Maintenance Manual – submit manual of carpet manufacturer's recommendations for the general care, cleaning and maintenance of carpet tile products.
- Certificate of Compliance
Submit certified test reports that carpet tile meets all the performance requirements stated above in section 1.3 Performance requirements. Submit certified test reports from a NVLAP Certified Lab that carpet meets all performance criteria.
- Shop Drawings
For carpeted areas submit shop drawings showing installation of carpeting, pattern direction, necessary installation accessories, and provisions for work of other trades. Show location of different patterns or styles of carpet tile. Also show locations of any threshold conditions
 - The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.
- Samples
Submit standard-size carpet tile samples of each type of carpet, in each specified pattern, color and construction.

Any alternates to specified products must be submitted for approval by a representative of the end user or architect/design firm at least ten (10) working days prior to bid or proposal.

- Final Sample Submittal
 - Submit two (2) sets of samples for each carpet type.

- No carpet shipments are permitted until acceptance of final samples is given by representative of the end user or architect/design firm, certifying that samples are the approved color, pattern and texture.

1.5 CLOSEOUT SUBMITTALS

- Maintenance Data
Include maintenance procedures, recommended cleaning and stain removal materials, and recommended cleaning schedule. Include product data and Safety Data Sheets (SDS) for cleaning and stain-removal materials.
- Installation Instructions
Include detailed installation procedures. Include carpet tile installation procedures, adhesive types, trowel sizes, spread rates, open times, and Safety Data Sheets (SDS) for all carpet tile adhesives.
- Warranties and Performance Certifications
Submit written warranties for all products as well as performance testing results on all items included in Warranty section and Performance section of this specification.

1.6 QUALITY ASSURANCE

- Single Source Responsibility: Provide products from a single manufacturer.
 - Warranties must be standard and not job specific.
 - All styles must come from the same manufacturer.
 - Must be single source fiber extrusion and yarn manufacturing.

1.7 QUALIFICATIONS

- Manufacturer
Company specializing in manufacturing carpet tiles with minimum five (5) years (documented) experience.
- Installer/Flooring Contractor Qualifications
 - Carpet contractor must provide all the necessary licenses, performance bonds, and insurance certificates that comply with all local, state, and federal laws, ordinances, or codes prior to the start of the installation.
 - Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed commercial carpet with vinyl backings on commercial carpet projects of similar size and scope for at least five (5) years.
 - Flooring Contractor to provide references at the request of the owner.
 - Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.
 - Carpet Contractor to provide owner a written warranty that guarantees the completed installation be free from defects in materials and workmanship for a period of two (2) years after job completion.

1.8 PRE-INSTALLATION MEETINGS

- Convene one (1) week prior to commencing work of this section.
- Require attendance of (manufacturer), (installer), (contractor), (owner), (architect) and other parties directly affecting the work of this section.

1.9 DELIVERY, STORAGE AND HANDLING

- Deliver carpet tile in sealed protective boxes and accessories in sealed containers. Segregate each carpet product (if several product styles are involved), according to style, color, pattern, dye lot, run number, and quantity.
- Store products in an enclosed and dry area protected from damage and soiling.

1.10 SITE ENVIRONMENTAL REQUIREMENTS

- Do not install carpet tile until all areas have been fully enclosed and the environmental conditions have reached the levels desired for occupancy of the space.
- Maintain ambient temperature and humidity conditions during and after installation of carpet tile at occupancy levels.
- Allow carpet to reach room temperature, or minimum temperature recommended by manufacturer prior to the start of the installation.
- Protect adhesives from freezing. Follow manufacturer's recommendations for minimum temperatures to which adhesives are exposed.

1.11 FIELD MEASUREMENTS

- Verify that field measurements are as indicated on drawings.

1.12 SEQUENCING

- Sequence installation so as to minimize possibility of damage and soiling of carpet.
- Do not commence installation until painting and finishing work are complete, and ceiling and overhead work have been tested, approved and completed.
- Remove and replace existing carpet (renovations) in accordance with pre-approved architectural plan.

1.13 WARRANTY

Warranty Performance Requirements

- Provide manufacturer's lifetime warranties for:
 - Wear
 - Static
 - Edge Ravel
 - Zippering
 - Delamination
 - Dimensional Stability
- Supplemental Fiber Warranties:
 - Lifetime Stain Warranty
 - Lifetime Warranty against color transfer wet or dry
 - Lifetime Warranty against wet fastness
 - 10 Year Colorfastness to Light
 - 10 Year Colorfastness to Atmospheric contaminants

1.14 EXTRA MATERIALS

- Provide 10% percent overage of calculated yardage for each type of carpet (include carpet needed for complete installation plus waste and usable scraps in calculated yardage) as specified by architect and/or end user. Recycle waste, unusable scrap and any carpet tile damaged during installation through a qualified industry recycling or manufacturer environmental program.

- Deliver specified attic stock requirements to Owner's designated storage space, properly packaged and identified.

PART 2: PRODUCTS

2.1 MANUFACTURERS

- Mohawk Group, 160 S. Industrial Blvd, Calhoun GA Telephone 800.241.4494 Web Site: www.mohawkgroup.com.
- Contact: **Kent Odefey Cell: 563.650.6548**
- Substitutions are not allowed.

2.2 CARPET TILE CONSTRUCTION

- All yarn and other carpet materials shall be manufacturer's first quality.
- Carpet tile backing composite shall be constructed in the following manner:
- Backing Material/Composition
 Primary – Reinforced Synthetic – non woven
 Secondary Backing Layer – Premium Vinyl Polymer

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

CARPET C

Style Name:	Step Up II Tile QL311
Product Type:	Modular - Walk Off
Construction:	Tufted
Surface Texture:	Performance Tip Shear
Gauge:	5/32 (25.2 rows per 10 cm)
Density:	9,500
Weight Density:	361,000
Stitches per Inch:	8.5 (33.46 per 10 cm)
Finished Pile Thickness:	.144" (3.66mm)
Dye Method:	Solution Dyed
Backing Material:	EcoFlex ICT
Fiber Type:	Duracolor® Premium Nylon
Face Weight:	38.0 oz per sq. yd. (1288 g/m2)
Size:	24" x 24" (.6096m x .6096 m)
Soil Release Technology:	Sentry Soil Protection
Installation Method:	QuarterTurn, Monolithic, BrickAshlar, VerticalAshlar, MultiDirectional
Indoor Air Quality:	CRI Green Label Plus GLP1098
Foot Traffic Recommendation TARR:	Severe
NSF 140	EcoFlex ICT - NSF 140 Gold

All specifications are subject to normal manufacturing tolerances

2.3 ENVIRONMENTAL ATTRIBUTES AND CRITERIA

- Environmental claims by manufacturer must comply with FTC guidelines.
- Low Emitting Materials – Carpet Tile. Carpet must pass the Carpet and Rug Institute Green Label Plus Program for VOC emissions.

- Low Emitting Materials: Carpet Tile and all installation components, including adhesives, must meet the *Low Emitting Materials* standards as outlined in U.S. Green Building Council LEED criteria. Adhesives must meet VOC emissions standards per South Coast Air Quality Management District Rule #1168.
- Installation adhesives must pass the CRI Green Label Plus equivalent protocol for VOC emissions.
- End of Life Reclamation – Carpet manufacturers must have existing program in place to achieve landfill diversion. Refer to Section 3.7 of this section for specific requirements for reclamation of material. ReCover – Carpet recycling program, call toll free 877-373-2925.
- Recycled Content: Carpet must contain 35% Post-consumer recycled content based on total product weight.
- Carpet Face Yarn: In accordance with Executive Order 13101, carpet face yarn must contain minimum 25% pre-consumer Recycled content.
- NSF/ANSI 140 – 2007e Gold Certified

2.4 ACCESSORIES

- Leveling Compound: Latex type as recommended by carpet manufacturer; compatible with carpet adhesive and curling/sealing compound used on concrete.
- Pressure Sensitive Adhesive: Low VOC EnPress® Pressure Sensitive Adhesive carpet tile adhesive, as recommended by carpet manufacturer for direct glue down of carpet tiles; comply with CRI Green Label Plus Certification Program.
- Non-Metallic Carpet Edge Guard: Extruded or molded heavy-duty vinyl or rubber carpet edge guard of size and profile indicated; minimum two (2) inch wide anchorage flange; colors selected by (Architect) (Designer) from manufacturer's standard range of colors.
- Miscellaneous Materials: As recommended by manufacturer of carpet, cushion, and other carpet products; as required to complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

- Examine substrates for conditions under which carpet tiles are to be installed.
- Verify that floor surfaces are smooth and flat within tolerances specified in Section 3.2 and are ready to receive work.
- Beginning of installation means installer accepts existing substrate conditions.

3.2 PREPARATION

- Allow new concrete to cure for 90 days before carpet installation starts.
- Perform moisture content testing as required by manufacturer's instructions to ensure pH readings of no more than nine (9). Moisture transmission of 3.0-lbs/sq. ft per 24 hours is acceptable. If values exceed this level, follow manufacturer's recommendations for moisture transmission mitigation. Do not proceed until unsatisfactory conditions have been corrected.
- Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes and other defects with sub-floor filler.
- Fill, level and make smooth cracks 1/16 inch or more, holes, unevenness, and roughness with compatible latex floor patching compounds. Feather floor filling or leveling compound a minimum of four (4) ft.

Sweep floor of loose granular debris prior to filling. After filling, allow filler to dry. Damp mop floor with warm water and allow to dry. Vacuum after mopping to ensure that loose granular debris is removed and to provide a proper substrate to install carpet tile. Prohibit traffic until filler is cured.

- Vacuum floor again immediately before installation of carpeting.
- Confirm compatibility of EnPress® Pressure Sensitive Adhesive with curing compounds on concrete floors.
- Preheat areas to receive carpet tile to a minimum temperature of 68° F for 72 hours prior to installation, with a relative humidity of not more than 65 percent. Maintain minimum temperature of 50° F thereafter. Carpet tile and adhesive must be stored at a minimum temperature of 68° F, for 72 hours prior to installation.
- Store EnPress® Pressure Sensitive Adhesive and other liquid materials in same atmospheric conditions as carpet tile, 68° F for at least 72 hours.

3.3 INSTALLATION

- Install carpet tile in accordance with the Technical Bulletins provided by the manufacturer. These technical bulletins will offer the proper instructions to install carpet tile including: (1) conducting site testing and conditioning, (2) floor preparation, (3) installation of the carpet tile, including carpet tile layout (if more than one pattern or color) and approved adhesives, systems, etc. As a supplement, the CRI 104, section 8 will supply additional installation support guidance for your installation.
- Install carpet tile under open-bottom obstructions and under removable flanges and furnishings, and into alcoves and closets in each space.
- Conceal cut edges with protective edge guards or flanges.
- Install carpet tile under open-bottom items and cut tiles tight against walls, columns, and cabinets so that the entire floor area is covered with carpet tile. Cover over floor-type door closers.
- Install edging guards at openings and doors wherever the carpet tile terminates, unless indicated otherwise.
- Perform cutting in accordance with manufacturer's recommendation using tools designed for carpet tile being installed. Verify carpet tile patterns and colors before cutting to insure minimal variation between dye lots.
- Install carpet tile according to manufacturer's instructions. Depending on the product specification, install either monolithically, quarter turned, Ashlar, or random. Installation requirements will be spelled out in the architectural drawings for the recommended method to be employed.
- Use leveling compound where necessary. Feather floor leveling compounds minimum of 4 ft.
- Trim carpet tile neatly at walls, and around interruptions
- Complete installation of edge strips, concealing exposed edges.
- Cut carpet tile at fixtures, architectural elements, and perimeters.
- Install carpet on stairs using acceptable permanent adhesive. Furnish and use compatible edge strip and nosing products as required.

3.4 FIELD QUALITY CONTROL

- Inspect completed carpet tile installation on each floor.

- Verify that installation is complete; work is properly done and acceptable.
- Remove and replace, at no additional cost to owner, any work found not to be acceptable.

3.5 CLEANING

- On completion of installation in each area, remove dirt and scraps from surface of finished carpet tile. Clean soiling, spots, or excess adhesive on carpet with cleaning materials recommended by carpet manufacturer.
- Remove debris; sort pieces from carpet scraps.
- At completion of work, vacuum carpet using commercial vacuuming equipment as recommended by manufacturer. Remove spots and replace carpet tile where spots cannot be removed. Remove rejected carpet tile pieces and replace with new modules. Remove any protruding yarns with shears or sharp scissors.

3.6 PROTECTION

- Do not permit traffic over unprotected carpet surface.
- Protect carpet tile against damage during construction. Cover with 6-mil thick polyethylene during construction period so that carpet will be without soiling, deterioration, wear, or damage at time of completion.
- Prior to furniture move in, heavy traffic areas will be protected with additional Masonite sheets to protect the carpet from damage.
- Damaged carpet tile will be rejected. As carpet tile is installed, remove trimmings, scraps of carpet and installation materials.
- Maintain protection of carpeting on each floor or area until work is accepted.

3.9 CARPET C SCHEDULE

- Carpet C shall be placed in 100% of Vestibule #1 and Vestibule #2 as identified in the drawing Attachment 1.
- Carpet C shall be placed in random pattern conforming to Mohawk Carpets.
- See Specification Section 09 63 16 for carpet base.

END OF SECTION

**Product Guide Specification
Commercial Carpet**

SECTION 09 68 16

Broadloom Carpet **Quixotic KC212 Broadloom (carpet base)**

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. This specification section shall be for carpet base herein identified as Carpet D on the price proposal form.
- B. Manufacturers
- C. Testing Protocols
- D. Performance Requirements
- E. Product Specifications
- F. Environmental Requirements
- G. Warranties
- H. Exclusions
- I. Installation
- J. Maintenance
- K. Accessories

1.2 REFERENCES

American Association of Textile Chemists and Colorists (AATCC):

- AATCC 16, Test Method of Colorfastness to Light.
- AATCC 107, Test Method for Colorfastness to Water.
- AATCC 129, Test Method for Colorfastness to Ozone in the Atmosphere Under High Humidity.
- AATCC 134, Test Method for Electrostatic Propensity of Carpets.
- AATCC 165-(93), Test Method for Colorfastness to Crocking: Carpets – AATCC Crock meter Method.
- AATCC 175-(98), Test Method for Stain Resistance: Pile Floor Coverings
- AATCC 189, Test Method for Fluorine Content of Carpet Fibers
- AATCC 164, Test Method for Colorfastness to Oxides of Nitrogen in the atmosphere under High Humidity's.

American Society for Testing and Materials (ASTM):

- ASTM D418-(12), Methods for Testing Pile Yarn Floor Covering Construction (Finished Pile Thickness Only)
- ASTM D5848, Standard Test Method for Mass Per Unity of Pile Yarn for Floor Covering.
- ASTM D5823, Standard Test Method for Tuft Height of Pile Floor Coverings
- ASTM D1335 – Standard Test Method for Tuft Bind of Pile Yarn Floor Covering.
- ASTM E648- Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- ASTM E662 – Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
 - ASTM D3676, Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay (covers thickness, Compression Resistance, Volume, Density, Compression Set, and Accelerated Aging).
- ASTM D3574, Standard Test Methods for Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foams.
- ASTM D3936, Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering.

Supplemental Testing Procedures:

- ASTM D7267 Edge Ravel - PT-155-Rev. 86, Loop Pile Run Resistance test

Carpet and Rug Institute (CRI):

- CRI Indoor Air Quality Testing and Labeling Program

U.S. Department of Housing and Urban Development (HUD):

- HUD UM 44D-(93), HUD Building Product Standards and Certification Program for Carpet.

1.3 PERFORMANCE REQUIREMENTS

Comply with the following performance requirements:

- Radiant Panel: ASTM E648: >.45 watts/sq. cm: Class 1
- Smoke Density: ASTM E662: 450 Flaming Mode - Maximum
- Static Generation: AATCC 134: 3.5 KV - Maximum
- Lightfastness: AATCC 16E: Min 4.0 at 40 hrs.
- Crocking: AATCC 165: 4.0 – Wet/Dry
- Cold Water Bleed: AATCC 107: 3.0 - Minimum
- Ozone Fade: AATCC 129: 3.0 - Minimum
- Soil Protection: AATCC 189: 500 PPM Min.
- CRI Green Label Plus Air Quality Certification: Pass
- Stain Protection: AATCC 175: Equal to or greater than 8.0 on Red 40 stain test
- CRI Appearance Retention Rating 3.0 minimum – Heavy Traffic
3.5 minimum – Severe Traffic

Special Performance Requirements:

- Must contain soil protection
- Must have permanent anti-stat fiber.
- Must have Trilobal cross-section
- Must be at least 18 dpf fiber
- Must be type 6,6 continuous filament nylon

1.4 SUBMITTALS

- Manufacturer's Data
Submit two (2) copies of manufacturer's specifications and installation instructions for Broadloom carpet and related items specified.
- Fiber Requirements
Submit certification from the fiber producer verifying the following:
 - Use of the specified fiber in the submitted carpet product.
- Warranties
Submit warranties as described in Section 1.13
- Maintenance
 - Maintenance Manual – submit manual of carpet manufacturer's recommendations for the general care, cleaning and maintenance of carpet products.
- Certificate of Compliance
Submit certified test reports that carpet meets all the performance requirements stated above in section 1.3 Performance requirements. Submit certified test reports from a NVLAP Certified Lab that carpet meets all performance criteria.
- Shop Drawings

For carpeted areas submit shop drawings showing installation of carpeting, pattern direction, necessary installation accessories, and provisions for work of other trades. Show location of different patterns or styles of carpet. Also show locations of any threshold conditions

- The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.
- Samples
Submit standard-size carpet samples of each type of carpet, in each specified pattern, color and construction.

Any alternates to specified products must be submitted for approval by a representative of the end user or architect/design firm at least ten (10) working days prior to bid or proposal.

- Final Sample Submittal
Submit two (2) sets of samples for each carpet type.
- No carpet shipments are permitted until acceptance of final samples is given by representative of the end user or architect/design firm, certifying that samples are the approved color, pattern and texture.
- Custom Color only
A representative of the end user or architect/design firm, certifying that the samples are the approved color, pattern and texture, shall sign high quality color samples.
- Samples submitted are assumed to be the manufacturer's best obtainable match to the color described under Materials Section.

1.5 CLOSEOUT SUBMITTALS

- Maintenance Data
Include maintenance procedures, recommended cleaning and stain removal materials, and recommended cleaning schedule. Include product data and Safety Data Sheets (SDS) for cleaning and stain-removal materials.
- Installation Instructions
Include detailed installation procedures. Include carpet installation procedures, adhesive types, trowel sizes, spread rates, open times, and Safety Data Sheets (SDS) for all carpet adhesives.
- Warranties and Performance Certifications
Submit written warranties for all products as well as Performance testing results on all items included in Warranty section (including all testing results mandated by EverSet warranty on EverSet products) and Performance section of this specification.

1.6 QUALITY ASSURANCE

- Single Source Responsibility: Provide products from a single manufacturer.
 - Warranties must be standard and not job specific.
 - All styles must come from the same manufacturer.

1.7 QUALIFICATIONS

- Manufacturer
Company specializing in manufacturing commercial carpet with minimum five (5) years (documented) experience.
- Installer/Flooring Contractor Qualifications

- Carpet contractor must provide all the necessary licenses, performance bonds, and insurance certificates that comply with all local, state, and federal laws, ordinances, or codes prior to the start of the installation.
- Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed commercial carpet projects of similar size and scope for at least five (5) years.
- Flooring Contractor to provide references at the request of the owner.
- Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.
- Carpet Contractor to provide owner a written warranty that guarantees the completed installation be free from defects in materials and workmanship for a period of two (2) years after job completion.

1.8 PRE-INSTALLATION MEETINGS

- Convene one (1) week prior to commencing work of this section.
- Require attendance of (manufacturer), (installer), (contractor), (owner), (architect) and other parties directly affecting the work of this section.

1.9 DELIVERY, STORAGE AND HANDLING

- Deliver carpet in sealed protective rolls and accessories in sealed containers. Segregate each product (if several product styles are involved), according to style, color, pattern, dye lot, run number, and quantity.
- Store products in an enclosed and dry area protected from damage and soiling.

1.10 SITE ENVIRONMENTAL REQUIREMENTS

- Do not install carpet until areas have been fully enclosed and environmental conditions have reached the levels indicated during occupancy.
- Maintain ambient temperature and humidity conditions during and after installation of carpet at levels indicated during occupancy.
- Allow carpet to reach room temperature or minimum temperature recommended by manufacturer before beginning installation.
- Protect adhesives from freezing. Follow manufacturer's recommendations for minimum temperatures to which adhesives are exposed.

1.11 FIELD MEASUREMENTS

- Verify that field measurements are as indicated on drawings.

1.12 SEQUENCING

- Sequence installation so as to minimize possibility of damage and soiling of carpet.
- Do not commence installation until painting and finishing work are complete, and ceiling and overhead work have been tested, approved and completed.
- Remove and replace existing carpet (renovations) in accordance with pre-approved architectural plan.

1.13 WARRANTY

Warranty Performance Requirements:

- Warranties must be for Lifetime on all items.
- Lifetime warranties must cover face components and backing components
- Warranties must be non-prorated
- Carpet manufacturer must warrant both product and adhesive systems.
 - Fiber must have lifetime static warranty.
- Warranty – include coverage for:
 - Provide carpet installer’s warranty against defects in installation.
 - Provide full spectrum of Manufacturer’s Lifetime warranties as outlined below:
 - Wear

1.14 EXTRA MATERIALS

- Provide 10% percent of total lineal footage as overage of calculated yardage for each type of carpet base. Recycle waste, unusable scrap and any carpet damaged during installation through manufacturer’s environmental program.
- Deliver specified attic stock to Owner’s designated amounts and to designated storage space, properly packaged and identified. Redirect small pieces of waste to be appropriately recycled.

PART 2: PRODUCTS

2.1 MANUFACTURERS

- Mohawk Group, 160 S. Industrial Blvd, Calhoun GA 30701 Telephone 800.241.4494. Web Site: www.mohawkgroup.com
- Contact: **Kent Odefey** Cell: 563.650.6548
- Substitutions are not allowed.

2.2 CARPET CONSTRUCTION

- All yarn and other carpet materials shall be manufacturer’s first quality.
- Carpet base shall be 4” tall.
- Carpet edges shall be standard sewn or serged from the manufacturer.

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

CARPET D

Style Name	Quixotic KC212
Product Type	Broadloom
Construction	Tufted
Surface Texture	Textured Patterned Loop
Gauge	1/10 (39.37 rows per 10 cm)
Density	7,714
Weight Density	208,278
Stitches Per Inch	9.0 (35.43 per 10 cm)
Finished Pile Thickness	.126” (3.20 mm)
Dye Method	Piece Dyed
Backing Material	Unibond® Plus
Fiber Type	Ultron® Nylon
Face Weight	27.0 oz per sq. ye. (916 g/m2)
Pattern Repeat	None
Soil Release Technology	Sentry
Indoor Air Quality	CRI Green Label Plus GLP3802
Foot Traffic Recommendation TARR	Heavy

All specifications are subject to normal manufacturing tolerances

2.3 ENVIRONMENTAL ATTRIBUTES AND CRITERIA

- Environmental claims by manufacturer must comply with FTC guidelines.
- Low Emitting Materials – Broadloom Carpet. Carpet must pass the Carpet and Rug Institute Green Label Plus Program for VOC emissions.
- Low Emitting Materials: Carpet and all installation components including adhesives, sealers, seam welds and seam sealers must meet the *Low Emitting Materials* standards as outlined in U.S. Green Building Council LEED criteria. Adhesives must meet VOC emissions standards per South Coast Air Quality Management District Rule #1168.
- Installation adhesives must pass the CRI Green Label plus equivalent protocol for VOC emissions.
- End of Life Reclamation – Carpet manufacturers must have existing program in place to achieve landfill diversion. Refer to Section 3.7 of this section for specific requirements for reclamation of material. ReCover – Carpet recycling program, call toll free 877-373-2925.

2.4 ACCESSORIES

- Leveling Compound: Latex type as recommended by carpet manufacturer; compatible with carpet adhesive and curling/sealing compound used on concrete.
- Multipurpose Adhesive: Low VOC NuBroadlok™ Premium Multipurpose Adhesive as recommended by carpet manufacturer for direct glue down of carpeting; comply with CRI Green Plus Label Certification Program.
- Miscellaneous Materials: As recommended by manufacturer of carpet, cushion, and other carpet products; as required to complete installation.

PART 3 EXECUTION

3.1 EXAMINATION

- Examine substrates for conditions under which carpeting is to be installed.
- Verify that floor surfaces are smooth and flat within tolerances specified in Section 3.2 and are ready to receive work.
- Beginning of installation means installer accepts existing substrate conditions.

3.2 PREPARATION

- Allow new concrete to cure for 90 days before carpet installation starts.
- Perform moisture content testing as required by manufacturer's instructions to ensure pH readings of no more than nine (9). Moisture transmission of 5.0-lbs/sq. ft per or 80% relative humidity, as determined by current ASTM standards 24 hours is acceptable. If values exceed this level, follow manufacturer's recommendations for moisture transmission mitigation. Do not proceed until unsatisfactory conditions have been corrected.
- Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes and other defects with sub-floor filler.

- Fill, level and make smooth cracks 1/16 inch or more, holes, unevenness, and roughness with compatible latex floor patching compounds. Feather floor filling or leveling compound a minimum of four (4) ft. Sweep floor of loose granular debris prior to filling. After filling, allow filler to dry. Damp mop floor with warm water and allow to dry. Vacuum after mopping to ensure that loose granular debris is removed and to provide a proper substrate to install Broadloom carpet. Prohibit traffic until filler is cured.
- Vacuum floor again immediately before installation of carpeting.
- Confirm compatibility of NuBroadlok™ premium multipurpose adhesive with curing compounds on concrete floors.
- Preheat areas to receive carpet to a minimum temperature of 68° F for 72 hours prior to installation, with a relative humidity of not more than 65 percent. Maintain minimum temperature of 50° F thereafter. Carpet and adhesive must be stored at a minimum temperature of 68° F, for 72 hours prior to installation.
- Store NuBroadlok™ Premium Multi Purpose adhesive and other liquid materials in same atmospheric conditions as carpet, 68° F for at least 72 hours.

3.3 INSTALLATION

- Install carpet base in accordance with the Technical Bulletins provided by the manufacturer for tufted and/or woven products. These technical bulletins will offer the proper instructions to install carpet base including: (1) Conducting Site Testing and conditioning, (2) Wall Surface Preparation, (3) Installation of the carpet base.
- Adhesives and Sealers: Carpet adhesives and sealers include, but may not be limited to, NuBroadlok™ premium multipurpose adhesive, NuBroadlok™ Latex Carpet Edge Sealers, and NuBroadlok™ Solvent Free Carpet Seam Sealer.
- Provide cut outs where required. Conceal cut edges with protective edge guards or flanges.
- Install carpet tight against walls, columns, and cabinets so that the entire floor area is covered with carpet.
- Install sewn finish edging at openings and doors wherever carpet terminates.
- Perform cutting in accordance with manufacturer's recommendation using tools designed for carpet being installed. Verify carpet match before cutting to insure minimal variation between dye lots.
- Install carpet from same dye lot and run within each continuous carpet area.
- Seal seams with manufacturer recommended seam sealer, if applicable.
- Install carpet with pile-lay in same direction except when indicated otherwise on drawings.
- Do not bridge building expansion joints with continuous carpeting. Provide for movement.
- Apply seam adhesive to base of edge glued down. Lay adjoining piece with seam straight, not overlapped or peaked, and free of gaps.
- Roll with appropriate roller for complete contact of adhesive to carpet backing.
- Cut carpet at fixtures, architectural elements, and perimeters.
- Use a fixed reducer trip to secure broadloom area in open perimeter designs.

3.4 FIELD QUALITY CONTROL

- Inspect completed carpet installation on each floor
- Verify that installation is complete; work is properly done and acceptable
- Remove and replace, at no additional cost to owner, any work found not to be acceptable.

3.5 CLEANING

- On completion of installation in each area, remove dirt and scraps from surface of finished carpet. Clean soiling, spots, or excess adhesive on carpet with cleaning materials recommended by carpet manufacturer.
- Remove debris; sort pieces from carpet scraps
- At completion of work, vacuum carpet using commercial vacuuming equipment as recommended by manufacturer. Remove spots and replace carpet where spots cannot be removed. Remove rejected carpet pieces and replace with new carpeting. Remove any protruding yarns with shears or sharp scissors.

3.6 PROTECTION

- Do not permit traffic over unprotected carpet surface.
- Protect carpet against damage during construction. Cover with 6-mil thick polyethylene covering joints during construction period whenever protection is required so that carpet will be without soiling, deterioration, wear, or damage at time of completion.
- Damaged carpet will be rejected. As carpet is installed, remove trimmings, scraps of carpet and installation materials.
- Maintain protection of carpeting until work is accepted.

3.7 CARPET C SCHEDULE

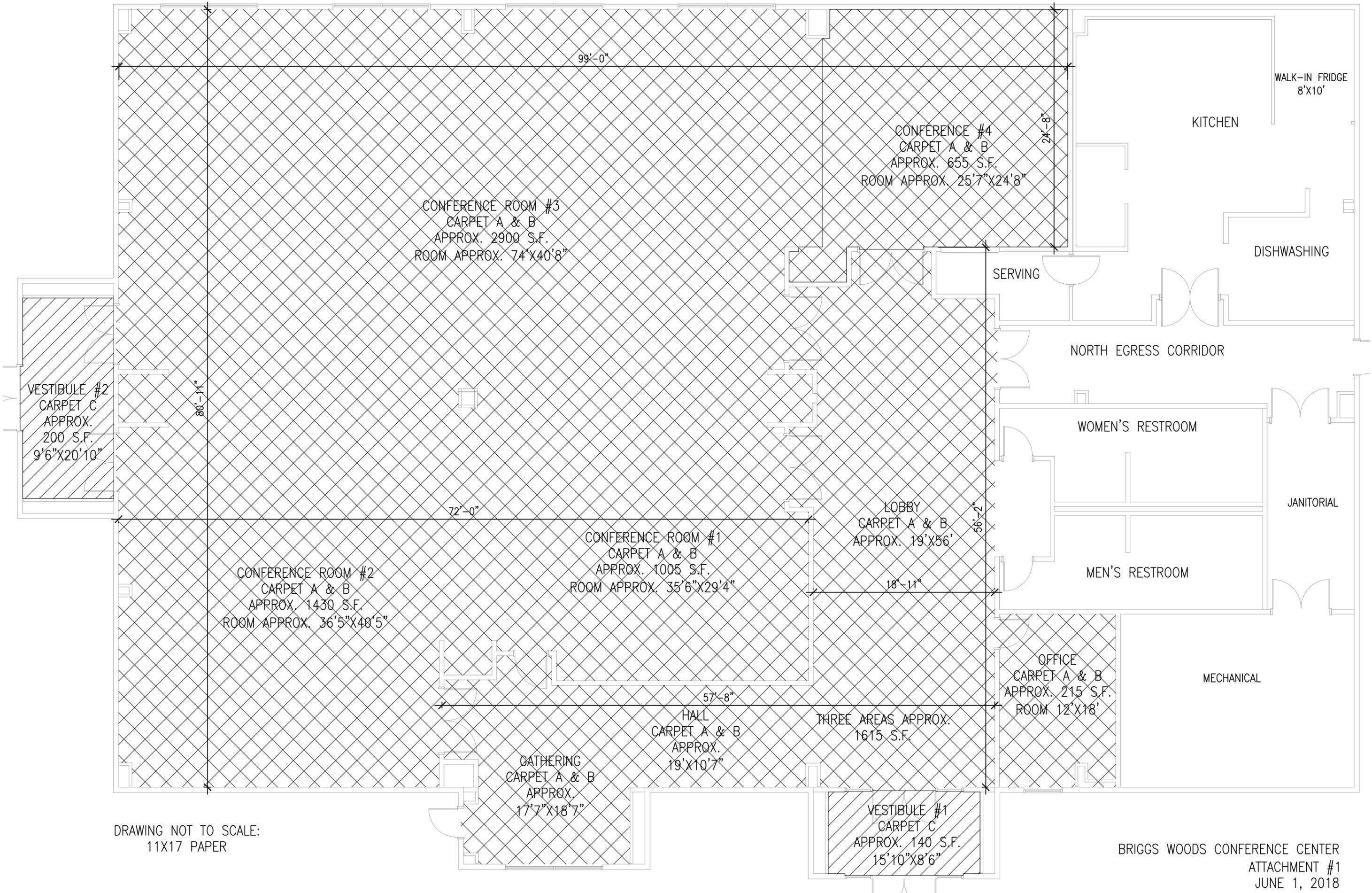
- Carpet D Color A shall be placed in rooms noting Color A as identified in the drawing Attachment 2.
- Carpet D Color B shall be placed in Vestibule #1 and Vestibule #2 as identified in the drawing Attachment 2.

END OF SECTION

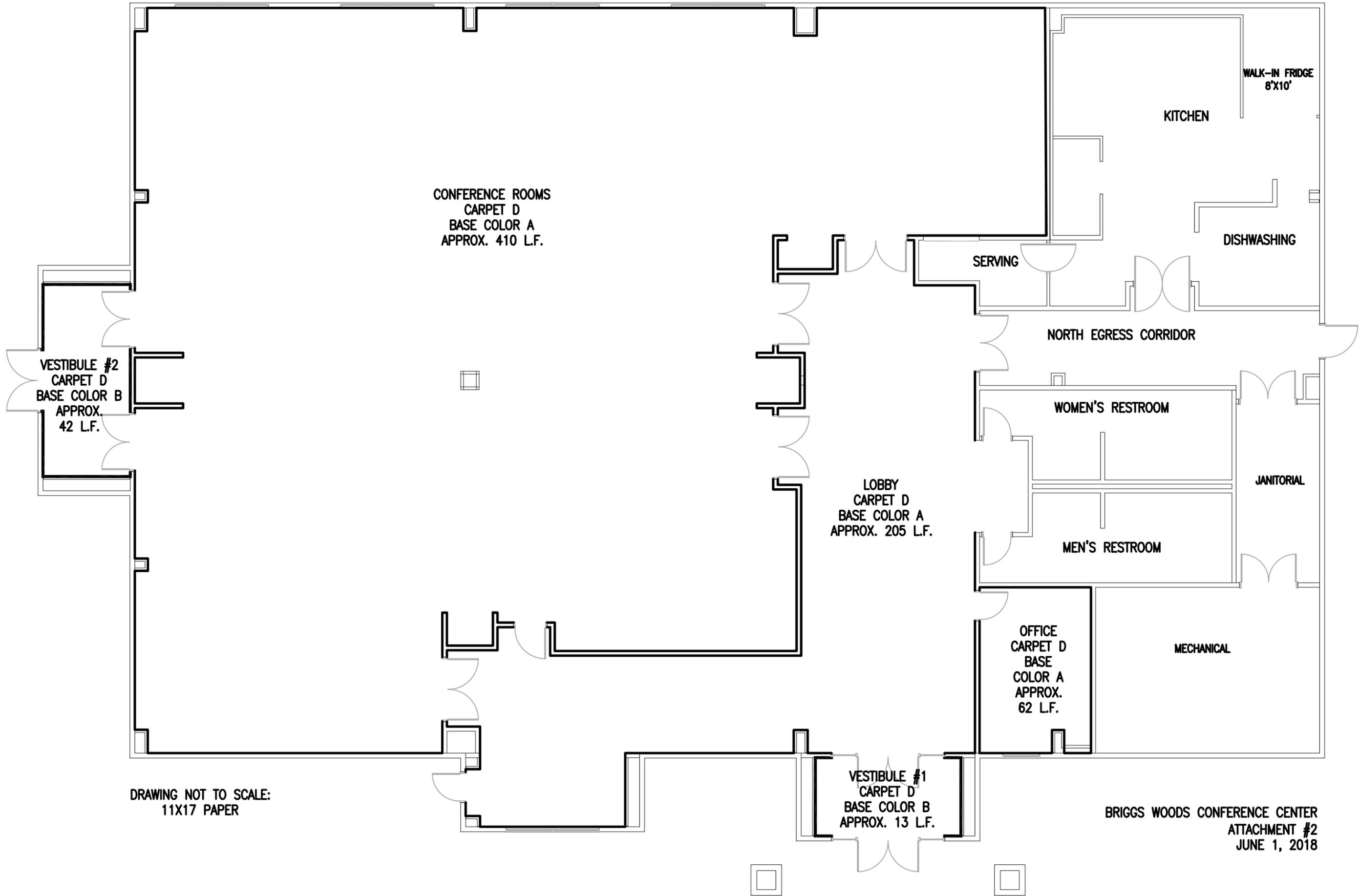
FIELD CARPET INSTALLATION METHOD (Example of Pattern)



Resilient Tile: Global Entry, C0015 Antiek | 931 Nimbus
Carpet: New Vintage, GT302 Reawakened and GT303 Rediscovered | 849 Taupe



DRAWING NOT TO SCALE:
11X17 PAPER



DRAWING NOT TO SCALE:
11X17 PAPER

BRIGGS WOODS CONFERENCE CENTER
ATTACHMENT #2
JUNE 1, 2018