Mohawk Group
160 South Industrial Blvd.
Calhoun, GA 30701

SECTION 09 68 00
CARPET

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Carpet

1.2 SUBMITTALS

A. Manufacturer's Data

1. Submit two (2) copies of manufacturer's specifications and installation instructions for Broadloom carpet and related items specified.

B. Fiber Requirements

1. Submit certification from the fiber producer verifying the following:

a. Use of the specified fiber in the submitted carpet product.

C. Warranties

1. Submit warranties as described in Section 1.10

D. Maintenance

1. Maintenance Manual – submit manual of carpet manufacturer's recommendations for the general care, cleaning and maintenance of carpet products.

E. Certificate of Compliance

1. 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.

F. Shop Drawings

1. 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

a. The contractor will supply reproducible prints on request, to facilitate shop drawing preparation.

G. Samples

1. Submit standard-size carpet samples of each type of carpet, in each specified pattern, color and construction.

2. 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.

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

   b. 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.

   c. 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.

   d. Samples submitted are assumed to be the manufacturer's best obtainable match to the color described under Materials Section.

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.

B. Installer Qualifications:

1. 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.

2. Carpet contractor shall be a firm established not less than five (5) years and, if requested, shall submit evidence of having furnished and installed carpet projects of similar size and scope for at least give (5) years.

3. Flooring Contractor to provide references at the request of the owner.

4. Carpet Contractor will be responsible for the proper product installation, including floor preparation, in those areas indicated in the Drawings.

5. 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.

C. Corporate Social Responsibility

Corporate social responsibility requirements: Manufacturer shall meet the corporate social responsibility as outlined below.

1. GRI Reporting: Manufacturer to have a corporate sustainability report (CSR) as per the GRI G4 guidelines.

2. Health and Wellness: Manufacturer to have on-site health clinics and biometric screenings, or health facilities displaying commitment towards health and wellness.

3. United Nations Sustainable Development Goals (UN SDGs):
Manufacturer must identify and commit to at least part of the UN SDGs as applicable to their organization and industry.

4. Facility certifications: Product's manufacturing facility shall be ISO 9001 certified. Manufacturer to have at least one green building certification for their own facilities – LEED, Living Building Challenge or WELL Building Standard.

D. Performance: Fire performance meeting requirements of building code and local authorities.

E. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1. Finish areas designated by Architect.

2. Do not proceed with remaining work until workmanship is approved by Architect.

3. Refinish mock-up area as required to produce acceptable work.

1.4 PRE-INSTALLATION MEETINGS

A. Convene minimum two weeks prior to starting work of this section.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.

B. Handling: Handle materials to avoid damage.

1.6 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.7 SEQUENCING

A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.9 REFERENCES

A. American Association of Textile Chemists and Colorists (AATCC):

1. AATCC 16, Test Method of Colorfastness to Light.
2. AATCC 107, Test Method for Colorfastness to Water.
3. AATCC 129, Test Method for Colorfastness to Ozone in the Atmosphere Under High Humidity.
4. AATCC 134, Test Method for Electrostatic Propensity of Carpets.
5. AATCC 165-(93), Test Method for Colorfastness to Crocking: Carpets – AATCC Crock meter Method.
6. AATCC 175-(98), Test Method for Stain Resistance: Pile Floor Coverings

7. AATCC 189, Test Method for Fluorine Content of Carpet Fibers
8. AATCC 164, Test Method for Colorfastness to Oxides of Nitrogen in the atmosphere under High Humidity's.

B. American Society for Testing and Materials (ASTM):

1. ASTM D418-(12), Methods for Testing Pile Yarn Floor Covering Construction (Finished
2. Pile Thickness Only)
3. ASTM D5848, Standard Test Method for Mass Per Unity of Pile Yarn for Floor Covering.
4. ASTM D5823, Standard Test Method for Tuft Height of Pile Floor Coverings
5. ASTM D1335 – Standard Test Method for Tuft Bind of Pile Yarn Floor Covering.
6. ASTM E648- Test Method for Critical Radiant Flux of Floor Covering Systems Using a
7. Radiant Heat Energy Source.
8. ASTM E662 – Test Method for Specific Optical Density of Smoke Generated by Solid
9. Materials.
10. 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).
11. ASTM D3574, Standard Test Methods for Flexible Cellular Materials – Slab, Bonded, and Molded Urethane Foams.
12. ASTM D3936, Standard Test Method for Resistance to Delamination of the Secondary Backing of Pile Yarn Floor Covering.

C. Supplemental Testing Procedures:

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

D. Carpet and Rug Institute (CRI):

CRI Indoor Air Quality Testing and Labeling Program

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

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

1.10 WARRANTY

A. Warranty Performance Requirements:

1. Warranties must be for Lifetime on all items.
2. Lifetime warranties must cover face components and backing components
3. Warranties must be non-prorated
4. Carpet manufacturer must warrant both product and adhesive systems.

a. Fiber must have lifetime static warranty.

B. Warranty – include coverage for:

1. Provide carpet installer's warranty against defects in installation.
2. Provide full spectrum of Manufacturer's Lifetime warranties as outlined below:

a. Abrasive Wear

b. Stain
c. Household Pet
d. Soil
e. Texture Retention
f. Fade Resistance
g. Manufacturing Defects
h. Non- Prorated
i. Transferable
j. 30-Day Satisfaction Assurance Guarantee (applies only to retail purchases; labor excluded)

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Mohawk Group, 160 S. Industrial Blvd., Calhoun, GA 30701 Telephone 800.241.4494.
Website: www.mohawkgroup.com
Contact:

B. Substitutions or Equals:

1. Substitutions are allowed only if they meet the following criteria:

a. Acceptance of alternate product(s) that are accepted as equals must be approved by parties (including but not limited to) parties that have material interest in the specifications including: Designer, Architect, End-User and Flooring Contractor.

2.2 MATERIALS

All yarn and other carpet materials shall be manufacturer's first quality.

DETAILED PRODUCT CONSTRUCTION SPECIFICATIONS

Style Name	**Faculty Renewal GL368**
Collection	Faculty Renewal
Product Type	Broadloom
Size	12 ft.
Construction	Tufted
Surface Texture	Textured Patterned Loop
Fiber Type	Duracolor® Tricor Premium Nylon
Dye Method	Solution Dyed
Stain Release Technology	Permanent, Built into the Fiber
Soil Release Technology	EcoSentry Soil Protection
Backing	Unibond Plus/Weldlok
Tufted Pile Weight	25 oz per sq. yd. (848 g/m2) +/- 5%
Gauge	1/12" (47.00 rows per 10 cm)
Stitches per Inch	9 (35.4 per 10 cm)
Total Thickness	0.273" (6.93) +/- 5%

Installation	Direct Glue Down, Double Stick or Tackless
Pattern Repeat	18” (W) x 48” (L)
Foot Traffic Recommendation TARR	Severe
Sustainability	
Embodied Carbon	7.3 kg CO2e/m2
Carbon Handprint	-7.67 kg CO2e/m2
Beyond Carbon Neutral	-0.37 kg CO2e/m2
Total Recycled Content	12.57%
Pre-Consumer Recycled Content	12.57%
EPD	Unibond Plus EPD
Material Health	Declare Red List Free
NSF 140	Unibond Plus – NSF 140 Gold
LEED	Calculate LEED on Ecomedes
Indoor Air Quality	GLP 8216
MindClick Rating	Leader
End of Life	ReCover
Country Of Origin	USA

Refer to the product’s Technical Specifications data sheet for detailed specifications.

Choose from any of Mohawk Group’s complete line of colors (indicate the item number).

This product was manufactured in a factory that has ISO 9001 and ISO 14001 certifications.

All specifications are subject to normal manufacturing tolerances.

2.3 PERFORMANCE REQUIREMENTS

A. Comply with the following performance requirements:

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

B. Special Performance Requirements:

1. Must have Soil and Stain Resist treatment

2. Fiber must have modified delta cross-section w/hollow core
3. Must be at least 24 dpf fiber
4. Must pass GSA requirements for permanent stain resistant carpet
5. Backing must pass British Spill Test and 10,000 Impact Test

2.4 ENVIRONMENTAL ATTRIBUTES AND CRITERIA

A. Transparency Attributes: Products shall meet the transparency requirements and the following documentation and certifications are acceptable towards compliance.

1. Health Product Declaration (HPD): Manufacturer's publicly available Health Product Declaration (HPD) with full disclosure of ingredients and known hazards that is in compliance with the Health Product Declaration Standard 2.1.

2. Declare Label: Third Party Verified Declare Label

3. Environmental Product Declaration (EPD): Manufacturer's product life cycle assessment documenting environmental impact of the product throughout its life cycle in accordance with ISO 14025.

B. Material Health and Indoor Air Quality Attributes: Products shall meet the transparency requirements and the following documentation and certifications are acceptable towards compliance.

1. Health Product Declaration (HPD): Manufacturer's publicly available Health Product Declaration (HPD) with full disclosure of ingredients and known hazards that is in compliance with the Health Product Declaration Standard 2.1.

2. Declare Label: Third Party Verified Declare Label with Living Building Challenge Red List Free status and provide 100% ingredient disclosure.

3. Carpet and Rug Institute (CRI) Green Label Plus (GLP) certification.

4. California Department of Public Health (CDPH) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers (also known as CDPH/EHLB Standard Method v1.2 or California Specification 01350).

C. Additional Sustainability Attributes: Products shall meet the following requirements and the following documentation and certifications are acceptable towards compliance.

ANSI/NSF 140: For carpet, meet Achievement Level of Gold, 52 to 70 points, based on specific Sustainable Attribute Performance for all product stages according to ANSI/NSF 140.

D. Adhesive requirements:

NuBroadlok Premium Multi-Purpose Adhesive 80% RH, 9% pH
NuBroadlok VRT Adhesive 90% RH, 11 pH
NuBroadlok Edge Sealer
NuBroadlok Moisture Proof Latex Seam Sealer

E. Building Certifications: Products shall meet the following building certification standards.

LEED 2009 and LEEDv4, Living Building Challenge (Petals including Red List Imperative) and WELL Building Standard

F. 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.

2.4.1 MANUFACTURER'S REQUIREMENTS

A. Corporate social responsibility requirements: Manufacturer shall meet the corporate social responsibility as outlined below:

1. GRI Reporting: Manufacturer to have a corporate sustainability report (CSR) as per the GRI guidelines.

2. Health and Wellness: Manufacturer to have on-site health clinics and biometric screenings, or health facilities displaying commitment towards health and wellness.

3. United Nations Sustainable Development Goals (UN SDGs): Manufacturer must identify and commit to at least part of the UN SDGs as applicable to their organization and industry.

4. Facility Certifications: Product's manufacturing facility shall be ISO 9001 certified. Manufacturer to have at least one green building certification for their own facilities – LEED, Living Building Challenge or WELL Building Standard.

5. Manufacturer to contribute towards protecting natural and ecological habitat through conservation and providing appropriate documentation.

6. Manufacturer to have on-site renewable energy as a part of their energy portfolio.

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction. Test for proper operation and adjust until satisfactory results are obtained.

B. Comply with recommendations of Carpet and Rug Institute 'Specifier's Handbook'.

3.04 CLEANING AND PROTECTION

A. Remove all excess adhesive immediately after installation as recommended in Mohawk Group's installation instructions.

B. Before allowing traffic after installation, consult and follow the recommendations in Mohawk Group's installation instructions.

C. Following installation and cleanup, if the work of all other trades has not yet been completed, protect the flooring by laying sheets of non-staining brown Kraft paper, and then a layer of plywood sheets (rolls of non-staining heavy cardboard material could also be used for protection).

D. Follow the instructions in Mohawk Group's Maintenance Instructions when performing initial and regular maintenance procedures. It is important to establish which party is responsible for performing the initial maintenance process prior to installation.

3.05 FLOORING RECLAMATION

A. Accepted Flooring

- Broadloom Carpet
- Carpet Tiles
- Carpet Pad
- LVT
- VCT
- SPC
- RPC
- Sheet Vinyl
- Laminate

B. Process

1. Complete the reclamation form on our website.
2. Gather the flooring for recycling and load it in the provided container.
   *Flooring type and condition requirements must be met. Please see guideline document for details.
3. Receive a certificate showing your positive impact on the planet.

C. Contact

Phone	(877) 3RE-CYCL or (877)373-2925,
Email	reclaim@mohawkind.com .
Website	Mohawk Recover

Please note that technical website documents prevail.

END OF SECTION