

SECTION 09 68 00

CARPETING

PART 1 - GENERAL

- 1.1 GENERAL CONDITIONS The General Conditions, Supplementary General Conditions and all Sections of Division 1 shall apply to each and every contract and contractor, person or persons supplying material, labor or entering into the work directly or indirectly.
- 1.2 SCOPE This section includes all labor, materials, equipment and related services necessary for the fabrication, delivery and installation of the work shown on the drawings and or specified herein, including but not limited to the following:
 - A. Broadloom Carpeting and Carpet Tile as scheduled.
 - B. Carpet adhesives, seaming, anchorage edge treatment and other accessories.
- 1.3 ALTERNATES: Refer to DIVISION 1 SECTIONS ALLOWANCES, UNIT PRICES, and ALTERNATES, to determine extent, if any, work of this Section will be affected by Alternates, Unit Prices or Allowances.
- 1.4 SUBMITTALS:
 - A. Prior to installation submit to the Architect two copies of the manufacturer’s current recommendations for installation of the materials specified.
 - B. Also prior to installation, submit to the Architect a sketch showing location of all seams proposed to be made in the carpeting.
 - C. Prior to ordering carpet submit a full range of samples for color selection.
 - D. Laboratory test reports as required.
- 1.5 QUALITY ASSURANCE
 - A. For cutting, laying and trimming of carpeting, use only thoroughly trained and experienced carpet installers who are completely familiar with the materials specified, the manufacturer’s recommended methods of installation, and the requirements of this work.
 - B. The manufacturer’s recommended methods of installation shall be the basis for acceptance or rejection of methods of installation used in this work.

PART 2 - PRODUCTS

- 2.1 CARPET TYPE 1 (BROADLOOM):
 - A. Product: “Harmony H308V” by Blue Ridge Carpet Mills as selected by Architect.
 - B. Carpet Specifications:

Construction.....	Multi-Level Loop Pattern
Yarn.....	100% Antron Lumena Solution Dyed Nylon with DuraTech Soil Resistant Treatment & Recycled Content.
Dye Method	Solution Dyed
Primary Backing	100% Synthetic
Secondary Backing	EnviroFlex Performance Engineered Backing w/40% Recycled Content

Tufted Yarn Weight	24 Oz. per Sq. Yd.
Finished Pile Thickness126 Inch Approx.
Stitches per Inch	10
Machine Guage	1/12"
Density Factor	6,857
CRI Traffic Rating	Severe
Traffic Class	Extra Heavy Commercial Class III
Capret Width	6'
Pattern Repeat	Not Required
Adhesive	BR200 Enviroflex Modular carpet adhesive
Edge Ravel Guarantee	Useful Life
Delamination Guarantee	Useful Life
Run Resistance Warranty	Useful Life
Wear Warranty	10 Year
Stain Removal Guarantee	Useful Life
Static Warranty	Useful Life
Colorfastness to Light	10 Year
Colorfastness to Atmospheric Contaminants ..	.5 Year
Recycling Program.....	Qualifies for the Blueridge BlueCycle Reclamation Program

2.2 CARPET TYPE 2 (TILE):

A. Product: "Oak Park" 24"x24" Tile by Blue Ridge Carpet Mills as selected by Architect.

B. Carpet Specifications:

Construction.....	Multi-Level Loop Pattern
Yarn.....	100% Antron Lumena Solution Dyed Nylon with DuraTech Soil Resistant Treatment.
Dye Method	Solution Dyed
Primary Backing	100% Synthetic
Secondary Backing	EnviroFlex Performance Engineered Backing w/40% Recycled Content
Tufted Yarn Weight	20 Oz. per Sq. Yd.
Total Weight.....	140 Oz. Approx.
Finished Pile Thickness092 Inch Approx.
Stitches per Inch	10
Machine Guage	1/12"
Density Factor	7,826
NBS Smoke Chamber Test	Specific Optical Density: Less than 450
ASTM E-648	Average Critical Radiant Flux: Greater than .45 – Class 1
Capret Tile Size	24"x24"
Adhesive	BR200 Enviroflex Modular carpet adhesive
Edge Ravel Guarantee	Useful Life
Delamination Guarantee	Useful Life
Run Resistance Warranty	Useful Life
Wear Warranty	10 Year
Static Warranty	Useful Life
Colorfastness to Light	10 Year
Colorfastness to Atmospheric Contaminants ..	.5 Year
Recycling Program.....	Qualifies for the Blueridge BlueCycle Reclamation Program

2.3 CARPET TYPE 3 (TILE):

A. Product: "Clean Step - Stripe" 24"x24" Tile by Blue Ridge Carpet Mills as selected by Architect.

B. Carpet Specifications:

Construction.....	Tufted Multi-Level
Yarn.....	100% High Abrasive Nylon
Dye Method	Solution Dyed
Secondary Backing	EnviroFlex Performance Engineered Backing w/40% Recycled Content
Yarn Weight	36 Oz.
Total Weight.....	160 Oz Per Sq. Yd.
Flooring Radiant Panel Test	ASTM E-648 – Class 1
Smoke Density.....	NFPA 258- Passes
Capret Tile Size	24"x24"
Adhesive	BR200 Enviroflex Modular carpet adhesive
Recycling Program.....	Qualifies for the Blueridge BlueCycle Reclamation Program.

2.4 ACCESSORIES

- A. General: Installation materials shall conform with the quality, function, and substance of the products listed below. Architect will be the sole judge of the quality of materials to be used on the project.
- B. Edging: No. 12-1812 universal molding by Roberts Consolidated Industries, Inc., or approved equal. Color of vinyl insert shall be as selected by Architect.
- C. Installation Adhesive: Provide adhesive recommended by carpet manufacturer for adequate adhesion and water resistance at each application, but which will allow removal of carpet/cushion with minimum damage to carpeting materials and substrate, and which complies with requirements for overall flammability rating (if any) for carpeting installation.
- D. Seaming Cement: Hot melt seaming adhesive of type recommended by the carpet manufacturer for taping seams and buttering cut edges of carpet backing (and bottom of face pile) at seams, to form secure seams and eliminate pile loss at seams.
- E. Concrete Sealer: 35% solution of 42° Baume sodium silicate and a non-acid penetrating agent, compatible with adhesive.
- F. Floor Filler: Levelastic or equal.

PART 3 - EXECUTION

3.1 PRE-INSTALLATION REQUIREMENTS: Installer must examine substrates and conditions which carpeting is to be installed and notify Contractor in writing of conditions detrimental to proper completion of the work. Do not proceed with installation of carpeting until unsatisfactory conditions have been corrected in a manner acceptable to Installer and carpet manufacturer.

3.2 CARPET Shall be direct cement installation. Adhesive shall be non-toxic, waterproof and latex base formulated particularly for installing carpet and approved or recommended by the carpet manufacturer. This Contractor shall coordinate and verify with General Contractor to insure compatibility of floor topping and curing compound materials with adhesive employed.

3.3 INSTALLATION

- A. General:
 - 1. Comply with manufacturer's instructions and recommendations. Place seams in directions indicated, and as accepted on shop drawings, if any. Maintain direction of pattern and texture, including lay of pile. Do not seam weft to warp, except as specifically indicated for a direction change.
 - 2. Extend carpet under open bottomed and raised bottom obstructions, and under removable flanges of obstructions. Extend carpet into closets and alcoves of rooms indicated for such spaces. Extend carpet under movable furniture and equipment, unless otherwise indicated.
 - 3. Provide cutouts as indicated for removable access devices in substrate. Bind edges as neatly as possible and secure both sides of cuts to the substrate. Use double faced tape on carpet cutouts which must be lifted from substrate to gain access to devices, unless otherwise indicated. Cut only 3 sides where feasible to provide carpet flap in lieu of fully removable cutout.
 - 4. Install carpet edge guard at locations where edge of carpet is exposed to traffic, except where another device, such as expansion joint cover system or threshold, is indicated with integral carpet binder bar or edge guard. Anchor edge guard to substrate.
 - 5. Doors: Where seams relate to doors, center seams under door thickness. Do not place carpet seams in traffic direction in doorways.
 - 6. Expansion Joints: Provide special carpeting treatment as indicated at expansion joints in substrate or, if none is indicate, install carpeting with provisions to accommodate movement without damaging carpet installation.

- B. Glue-Down Installation:
 - 1. Treat concrete surfaces with sealer specified. Remove excess sealer promptly. Existing floors shall be clean, wax free and sound.
 - 2. Install a test sample to demonstrate effectiveness of adhesive. With Owner's personnel present, remove sample, demonstrating procedure to minimize damage to carpet. Apply primer to entire substrate where necessary for adequate bond of carpet.
 - 3. Fit sections of carpet into each room or space prior to application of adhesive. Trim off mill edges unless carpet has been pre-trimmed. Maintain straight seams, true with lines of building.
 - 4. Apply seaming cement on cut edges of carpet at seams, without being in evidence on face of carpet but securing base of pile at cut.
 - 5. Apply adhesive uniformly to substrate in accordance with manufacturer's instructions. Butt carpet edges tightly together to form seams without gaps. Roll lightly to eliminate air pockets and ensure uniform total area bond of carpet to substrate. Remove adhesive (if any appears) promptly from face of installed carpet.
 - 6. Coordinate with installation of base materials. Unless otherwise indicated or instructed by Architect, apply glue-down carpet before installation of resilient or wood base materials.

3.4 RESTRETCHING: Included in this contract is the provision that the carpet contractor shall:

- A. Restretch the carpet, repair seams, joints and edges, if required, after the original installation is completed. The exact time for this work shall be left to the discretion of the Owner but shall be within 12 months after final approval of finished installation. Fourteen (14) days notice for this restretch shall be given so that the Contractor can make necessary arrangements for same.
- B. Further, the Contractor shall provide a 1 year unconditional guarantee against defective work covering further restretching, repair of seams, puckering and/or any other defects which could be caused by defective workmanship.

3.5 CLEANING, PROTECTION, FOLLOW-UP SERVICE

- A. Remove debris from installation, carefully sorting pieces to be saved from scraps to be disposed of.
- B. Vacuum carpet with a commercial machine, with rotating agitator or beater in nozzle. Remove spots and replace carpet where spots cannot be removed.

- C. Advise Contractor of areas which should be protected during remainder of construction period, so that carpet will be in undamaged and unsoiled condition at time of acceptance. Recommend type of non-staining cover material that should be used for protective cover.
 - D. Follow-up Service: Return to installation at mutually agreeable time(s), within 6 months following substantial completion of Project (or portion thereof), unless otherwise directed or approved by Owner.
- 3.6 EXTRA STOCK: Upon completion of the work, and as a condition of its acceptance, deliver to the Owner 15 swatches of each color and pattern of carpeting installed in this work for the Owner's future use in patching. Make all swatches at least 24" square. Also include all scraps over 12" wide.

END OF SECTION