PART 1 GENERAL

1.1 All Sections of Division 00 Procurement and Contracting Requirements, and Division 01 General Requirements shall apply to the work included under this Section.

1.2 SCOPE OF WORK
A. Furnish labor, material, adhesive, accessories, tools, equipment, and incidentals to complete the installation of all carpet and pad where shown on the drawings, and as specified herein.

1.3 SUBMITTALS
A. Submit material and color samples for as specified in Section 01 33 00 of this Project Manual (Specifications).
B. Submittals shall include the following:
   1) 24" x 24" sample of actual materials and colors selected
   2) Manufacturer's literature including material specifications, description and installation instructions.
   3) Manufacturer's certification that materials furnished comply with HUD UMB 44d, and the materials specified.

1.4 DELIVERY, HANDLING AND STORAGE
A. Deliver material in original mill protective wrapping with mill register numbers and tags attached. Store indoors in a warm, well ventilated area, and protected from weather, moisture, damage, and soiling. Damaged and/or otherwise unsuitable materials, when so determined shall be immediately removed from the job site, and replaced at non cost to the owner.

1.5 QUALITY ASSURANCE
A. Installer shall have a minimum of five (5) years of successful experience installing carpet, pad, and accessories in projects of similar size to this project.
B. Material shall be stored for one (1) one in area of installation to achieve temperature stability.

1.6 VOLATILE ORGANIC COMPOUNDS (VOC) STANDARDS
A. All Adhesives, Caulks, and Sealants shall be low/no VOC (Volatile Organic Compounds).
   1) Adhesives shall comply with Rule 1168 of the South Coast Quality Management District.
   2) Caulks and Sealants shall comply with Regulation 8, Rule 51 of the Bay Area Air Quality Management District.

1.7 WARRANTY:
A. Provide manufacturer's standard written warranty against defects. The warranty shall be signed by the material manufacturer.
B. Provide contractor's written warranty on the carpet and pad to be free from defects and faults and correctly installed for a period of two (2) years from the date of Substantial Completion. The warranty shall be signed by the contractor.
PART 2 PRODUCTS

2.1 CARPET AND PAD
A. Carpet shall comply with HUD UMB U44d.

B. Carpet, pad, and carpet adhesive shall be certified Carpet and Rug Institute’s Green Label for carpet, pad, and carpet adhesive.

C. CARPET
1. DWELLING UNITS: Cambridge carpet Dolyu Contract Carpet Company. Comply with HUD UMB U44d.

Specification:
Construction: Multi-Level Loop
Yarn Content: Avalar SD Nylon
Dye Method: Solution Dyed
Machine Gauge: 1/10 inch
Stitch Count: 9.5 SPI (stitches per inch)
Tufted Pile Height: 0.250 in. high
0.188 in. medium
0.125 in. low
Yarn Weigh Tufted: 24 oz./yd.
Primary Backing: Polypropylene
Secondary Backing: Woven Polypropylene
Repeat Pattern: 40” wide x 75” long.

Performance:
Static Control: Less Than 3.5 k.v. (step)
Flame Spread: Passes (DOC FF-1-70)
Flrg. Radiant Panel: Class 1 (ASTM E-648)
Smoke Density: Less Than 450 (ASTM E-662)
Soil Resistance: Commercial Soil Protection
CRI Green Label Plus: Certification #GLP7078

Warranty:
Wear: 10 Year Limited Warranty
Static: Lifetime of Carpet
Stain: Lifetime of Carpet
Colorfastness: Lifetime Limited Against Light and Atmospheric Contaminations

2. STAIRS: Bigelow carpet manufactured by Mohawk Industries. Comply with HUD UMB U44d.

Style Name: Work Smart
Style Number: BC291
Collection: Balancing Act
Brand: Bigelow
Product Type: Broadloom
Specification:
Construction: Tufted
Surface Texture: Textured Multi-Colored Loop
Machine Gauge: 1/10 inch
Density: 4645
Weight Density: 92,900
Stiches Per Inch: 11.6 SPI
Finish Pile Thickness: .155 in.
Dye Method: Solution Dyed /Space Dyed
Backing Material: ActionBac
Face Yard: Colorstrand Nylon
Face Weight: 22 oz. per sq. yd.
Protective Treatment: Sentry Plus
IAQ Green Label Plus: 8216
CRI Rating: Heavy Traffic

Performance:
Static Control: AATC-134 Less Than 3.5 k.v.
Flammability: ASTM E-648 Class I (Glue Down)
Smoke Density: ASTM E-662 Less Than 450

Warranties: Lifetime Limited Wear Warranty and Lifetime Static

3. CORRIDORS: Bigelow carpet manufactured by Mohawk Industries. Comply with HUD UMB U44d.

Style Name: Solve
Style Number: BC300
Collection: Working Together
Brand: Bigelow
Product Type: Broadloom

Specification:
Construction: Tufted
Surface Texture: Textured Patterned Multi-Colored Loop
Machine Gauge: 1/12 inch
Density: 5538
Weight Density: 110,760
Stiches Per Inch: 11.0 SPI
Finish Pile Thickness: .155 in.
Dye Method: Solution Dyed /Space Dyed
Backing Material: Unibond Flex
Face Yard: Colorstrand Nylon
Face Weight: 20 oz. per sq. yd.
Repeat Pattern: 18” wide x 36” long
Protective Treatment: Sentry Plus
IAQ Green Label Plus: 4952
CRI Rating: Heavy Traffic
Performance:
Static Control: AATC-134 Less Than 3.5 k.v.
Flammability: ASTM E-648 Class I (Glue Down)
Smoke Density: ASTM E-662 Less Than 450

Warranties: Lifetime Limited Unibond Flex Warranty and Lifetime Static

4. OFFICES and COMMUNITY ROOM: Bigelow carpet manufactured by Mohawk Industries. Comply with HUD UMB U44d.

Style Name: Play Hard
Style Number: BC290
Collection: Balancing Act
Brand: Bigelow
Product Type: Broadloom

Specification:
Construction: Tufted
Surface Texture: Textured Multi-Colored Loop
Machine Gauge: 1/10 inch
Density: 4615
Weight Density: 92,300
Stiches Per Inch: 12.3 SPI
Finish Pile Thickness: .156 in.
Dye Method: Solution Dyed /Space Dyed
Backing Material: ActionBac
Face Yard: Colorstrand Nylon
Face Weight: 22 oz. per sq. yd.
Repeat Pattern: 12”wide x 5.84” long
Protective Treatment: Sentry Plus
IAQ Green Label Plus: 8216
CRI Rating: Heavy Traffic

Performance:
Static Control: AATC-134 Less Than 3.5 k.v.
Flammability: ASTM E-648 Class I (Glue Down)
Smoke Density: ASTM E-662 Less Than 450

Warranties: Lifetime Limited Wear Warranty and Lifetime Static

5. BASE: Bigelow carpet manufactured by Mohawk Industries. Comply with HUD UMB U44d.

Style Name: In The Loop
Style Number: BC309
Collection: Beyond Expectations
Brand: Bigelow
Product Type: Broadloom
Specification:
Construction: Tufted
Surface Texture: Textured Patterned Loop
Machine Gauge: 1/8 inch
Density: 6545
Weight Density: 130,000
Stiches Per Inch: 10.2 SPI
Finish Pile Thickness: .110 in.
Dye Method: Solution Dyed
Backing Material: ActionBac
Face Yard: Colorstrand SD Nylon
Face Weight: 20 oz. per sq. yd.
Repeat Pattern: None
Protective Treatment: Sentry Plus
IAQ Green Label Plus: 8216
CRI Rating: Heavy Traffic

Performance:
Static Control: AATC-134 Less Than 3.5 k.v.
Flammability: ASTM E-648 Class I (Glue Down)
Smoke Density: ASTM E-662 Less Than 450

Warranties: Lifetime Limited Wear Warranty. Lifetime Limited Colorfastness to Light. 10 year Limited Colorfastness to Atmospheric Contaminants. 10 year Stain Warranty. Lifetime Static

D. PAD: Pad shall be rebounded foam Springs style manufactured by Carpenter. Foam pad shall be 3/8" thick, 7 lb. density rebound and be treated with Spillguard Barrier.

2.2 ACCESSORIES:
A. SUB-FLOOR FILLER: White premix latex, type recommended by flooring material manufacturer.
B. EDGE STRIP: Extruded or molded heavy duty vinyl or rubber, carpet or edge guard with a minimum of 2" wide anchor flange. Color as selected by the owner and architect.
C. ADHESIVE: As recommended by the finish flooring manufacturer for the installation (see part 1.6 of the Section).
D. MISCELLANEOUS MATERIAL: As recommended by the carpet, pad, and other product manufacturer for a complete installation.
E. SUBFLOOR MATERIAL: 1/4" mahogany plywood.

PART 3 EXECUTION

3.1 INSTALLATION
A. Install carpet and pad in dwelling units, in guest suite, and on stairs.
B. Direct glue down carpet in accessible dwelling units, corridors, lobby, elevator lobbies, offices, and other public and common use areas.

3.2 EXAMINATION
A. Verify that surfaces are smooth and flat with maximum variation of 1/8 inch in 10’, and are ready for carpet or pad. Starting installation means acceptance of the sub-floor surface.

3.3 PREPARATION
A. Remove sub-floor ridges and bumps, and fill minor or local low spots, cracks, joints, holes, and other deflects with the sub-floor. Apply, trowel and float filler to achieve smooth, flat, hard surface, and prohibit traffic until filler is cured.

B. Vacuum sub-floor surface before beginning installation of pad or carpet.

3.4 PAD INSTALLATION
A. Install pad in accordance with the manufacturer's recommendations and specifications.

B. Install pad using as large a pieces as possible.

C. Lay out pad so that carpet and pad seams do not align directly over each other, butt edges together and tight to carpet gripper or wall, tape all joints, remove all air pockets and ridges, stretch slightly, and anchor securely around projections and contours.

D. Install grip strips using maximum lengths, and secure to the sub-floor.

3.5 CARPET AND PAD INSTALLATION
A. Install in strict accordance with the manufacturer's recommendations and specifications.

B. Verify carpet match before cutting to ensure minimal variation between dye lots.

C. Double cut carpet to allow intended seam and pattern match. Make cuts straight, true and un-frayed.

D. Locate seams in areas of least amount of traffic.

E. Join seams by hot adhesive tape method. Form seams straight, not overlapped or peaked, and free of gaps.

F. Lay carpet on floors with run of pile in the same direction as anticipated traffic.

G. Do not change run of pile in any room where carpet is continuous through a wall opening into another room.

H. Cut and fit carpet around interruptions.

I. Lay carpet tight and flat on pad, well fastened at edges, with a uniform appearance. Provide monolithic color, pattern, and texture match within any one area.
3.6 DIRECT GLUEDOWN CARPET INSTALLATION
A. Subfloor Material: Install 1/4" mahogany plywood subfloor under carpet where carpet is to be installed over OSB or plywood floor sheathing.
B. Apply carpet and adhesive in strict accordance with the manufacturer’s recommendations and specifications.
C. Layout rolls of carpet, and match carpet before cutting to ensure minimal variation between dye lots.
D. Double cut carpet to allow intended seam and pattern match. Make cuts straight, true and un-frayed.
E. Locate scams in the areas of least traffic.
F. Fit scams straight, not crowded or peaked, and free of gaps.
G. Lay carpet on floors with run of pile in the same direction as anticipated traffic.
H. Do not change run of pile in any room where carpet is continuous through a wall opening into another room. Locate change of color or pattern between rooms under the door centerline.
I. Cut and fit carpet around all interruptions and protrusions.
J. Fit carpet tight to intersections with vertical surfaces without gaps.

3.7 TRANSITION STRIPS
A. Install transition strips wherever there is a change between finish flooring materials.

3.8 CLEANING AND PROTECTION
A. Remove excess adhesive without damage, from floor, base and wall surfaces.
B. Clean and vacuum carpet surfaces
C. Protect from damage of any kind. Replace damaged carpet materials.

END OF SECTION