

Lowell Memorial Auditorium Carpet Replacement

Specification & Scope

This document establishes minimum industry standards for commercial carpet installation. Floor Preparation - Carpet must be installed over properly prepared substrates that are suitable for the specific product and installation method selected. All cracks, holes and flooring irregularities must be adequately repaired to ensure a smooth, finished appearance and prevent accelerated wear. Subfloors must be structurally sound and free of foreign substances that might compromise the carpet or its installation. Patching compounds must be suitable for the use application. They must be polymer-fortified and applied according to the patch manufacturer's instructions. Contractor shall be responsible to remove and dispose of existing carpet in all areas new carpeting is being installed.

1). **Tools and Materials**

Carpet must be installed using tools and materials referenced in this standard. Proper tools and quality materials are essential for skilled and proficient carpet installation.

2). **Storage** – Carpet and related materials must be stored in a climate-controlled, dry space. Carpet must be adequately protected from soil, dust, moisture and other contaminants and stored on a flat surface. Stacking heavy objects on top of carpet rolls or stacking more than three rolls must be avoided.

3). **Handling** – Carpet must be transported in a manner that prevents damage and distortion. Bending or folding individual carpet rolls is not recommended. When bending or folding is unavoidable for delivery purposes, the carpet should be unrolled and allowed to lie flat immediately upon arrival at the installation site.

4). **Planning for Seams** - Seams must be kept to a minimum. Seams must be positioned so that, where possible:

- .they run the length of the area.
- Main traffic flow runs along, rather than across, the seam.
- Natural light does not strike across the seam.
- are away from areas subject to pivoting traffic.
- are not perpendicular to doorway openings.

5). **Unprotected Edges** - At the transition between carpet and other floor coverings, carpet edges must be protected and covered with appropriate molding. In transition areas, the edge of the hard surface flooring must be a minimum of 1/16" higher than the carpeted flooring. Seam sealer must be applied to the edge of the carpet at the transition area.

6). **Carpet over Expansion Joints** – Do not install carpet over expansion joints. Expansion joints allow separate floor surfaces to expand and contract independently. In addition, do not install on any area of a floor that does not provide a stable and mechanically sound surface. This does not include cut or saw joints within a section of the floor. Non-stable/unsound substrate joint conditions must be handled in strict accordance with the appropriate architectural drawing. If no expansion joint device is specified on the drawing, the building owner, or owner’s representative, must be made aware that failure to address expansion joints may result in installation failure, damage to the carpet and potential safety concerns.

7). **Wall base** - When vinyl or rubber wall base is used in a carpet adhesive installation, cove base or base-with-toe is highly recommended.

8). **Pile Direction** - Where two or more pieces of the same carpet are adjacent, the pile direction must be the same unless otherwise specified. Uniform pile direction is not required with dissimilar carpet.

9). **Temperature and Humidity** – Carpet must be installed when the indoor temperature is between 65-95°F (18-35°C) with a maximum relative humidity of 65%. If ambient temperatures are outside these parameters, the installation must not begin until the HVAC system is operational and these conditions are maintained at least 48 hours before, during and 72 hours after completion.

10). **Floor Preparation** - Carpet must be installed over properly prepared substrates that are suitable for the specific product and installation method selected. All cracks, holes and flooring irregularities must be adequately repaired to ensure a smooth, finished appearance and prevent accelerated wear. Subfloors must be structurally sound and free of foreign substances that might compromise the carpet or its installation. Patching compounds must be suitable for the use application. They must be polymer-fortified and applied according to the patch manufacturer’s instructions.

11). **Concrete** - Concrete must be cured, clean and dry. Cracks, chips and joints must be properly patched or repaired.

12). **Wood - Wood subfloors** must be structurally sound. Subflooring, such as plywood, hardwood, particleboard, oriented strand board, or other materials, must be flooring grade and installed to manufacturer specifications. Cracks, chips and joints must be properly patched and prepared.

13). **Relaxing/Conditioning Carpet** – To minimize wrinkling and buckling, and to facilitate installation, it is highly recommended that carpet be unrolled and allowed to relax in the installation area for a minimum of 24 hours at a temperature between 65-95°F (18 -35°C). Carpet must be adequately protected from soil, dust, moisture and other contaminants. To facilitate relaxation, pre-cutting carpet is recommended.

14). **Carpet Seam Edge / Rubber Transition Moldings Preparation.** All edges that are used for seams must be properly prepared in strict compliance with carpet manufacturer recommendations. All existing transition moldings shall be changed were necessary to ensure smooth transitions.

15). **Sealing Edges** – Prior to seaming, both trimmed edges of the carpet sections to be joined must be sealed with an appropriate seam adhesive. Latex seam sealer or thermoplastic adhesives are acceptable. Seam adhesive must be applied in a manner that encapsulates both primary and secondary backings.

16). **Sweeping Compounds** - These compounds may leave residue that interferes with adhesive bonding. They must not be used prior to adhesive application. Vacuum dusty areas instead.

17). **Carpet Layout** – Layout the carpet according to the seaming diagram. Carpet must be cut 3-4 inches (75-100 mm) longer than the area measurement. Where applicable, allow for pattern repeat. Align all carpet breadths to their proper position and trim seams.

18). **Finishing at Wall Line** – The installation must be finished and adhered securely along the wall line with a smooth, neat appearance. It is highly recommended that carpet base, wall base with toe, baseboards or other moldings, be installed after the carpet is installed.

19). **Stair nosing and return**- must be rounded $\frac{3}{4}$ -1 inch to prevent sharp stair edges from cutting carpet and/or cushion, and to provide proper carpet contact for adhesive installations. When carpet is installed over a separate cushion, the cushion must extend over the stair nose.

20). **Below are areas to be carpeted**

A). executive offices located on the second floor and closets . Carpeting Product – Philadelphia 96401-Pennyroyal or approved equal.

B). Hall of Flags and Stairwells – Carpet Product – Shaw Kingston 400 Masters 54516 or approved equal.

C). Ticket Booth Area's - Carpet Product – Shaw Kingston 400 Masters 54516 or approved equal.

D) Elevator Lobby's - . Carpeting Product – Philadelphia 96401-Pennyroyal or approved equal.

E). Stairwells leading to Bathrooms along concourse on first floor. Carpeting Product – Philadelphia 96401-Pennyroyal or approved equal.

G) Auditorium seating areas and stairs - Carpeting Product – Philadelphia 96401-Pennyroyal or approved equal.

H) Function Hall Third Floor - Carpet Product – Shaw Kingston 400 Masters 54516 or approved equal.

I) Coat Closets – First Second floor and Second Floor - Carpeting Product – Philadelphia 96401-Pennyroyal or approved equal.

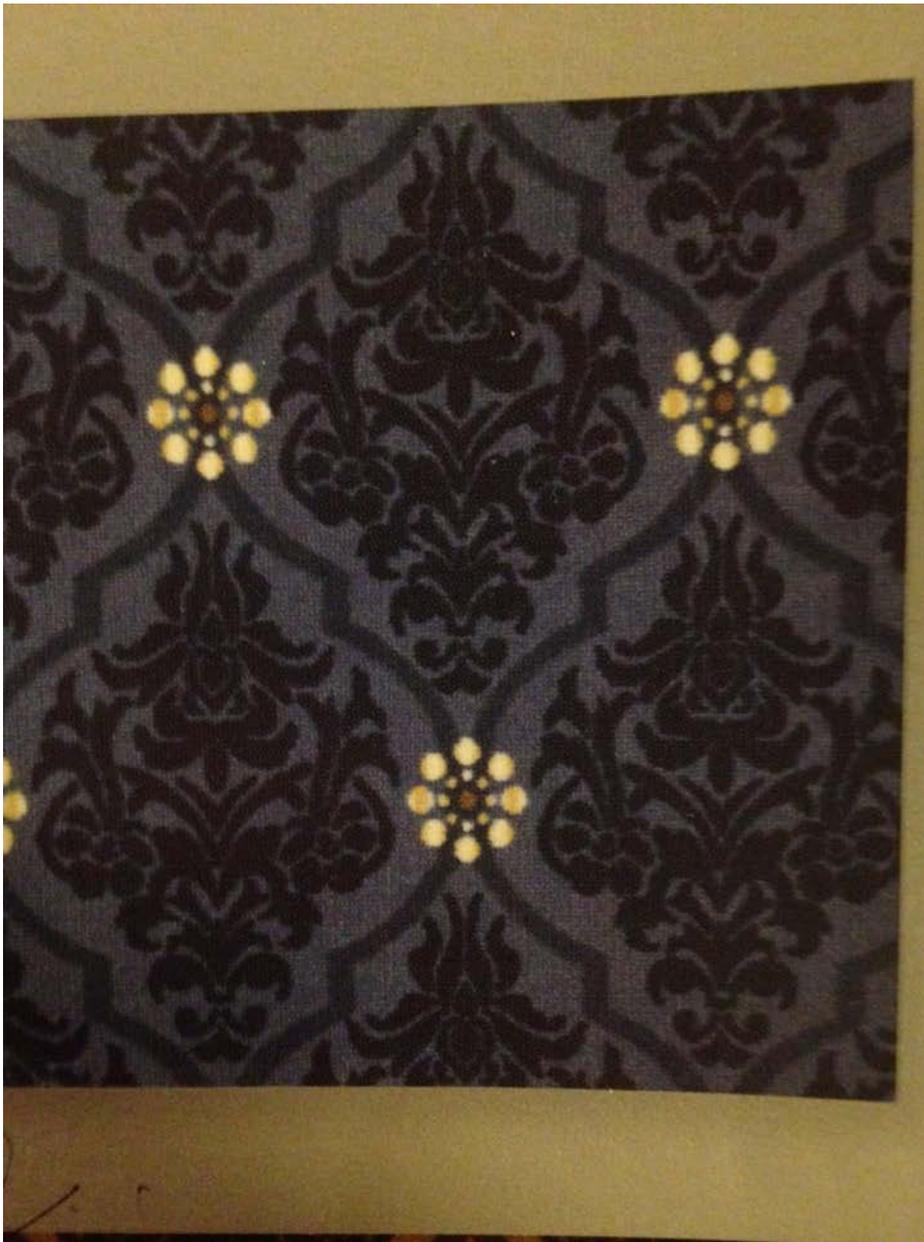
Note: Contractor shall be responsible to measure and field verify all quantities of carpeting and moldings for all areas described above Section #20, A thru I.

21).Project Timeline

Upon awarding of the bid, building sections will be prioritized by the City of Lowell's Project Manager Todd Woekel. Work to be completed within 60 days of notification to proceed from City of Lowell.

Shaw Kingston 400 or Approved Equal

Masters 54516



Paquette seating areas and Balcony: Philadelphia Carpet; 96401- Pennyroyal or Approved Equal

