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- 1 General
- 1.1 **SECTION INCLUDES**
- .1 Labour, Products, equipment and services necessary for carpet work in accordance with the Contract Documents.
- 1.2 **REFERENCES**
- .1 The Carpet and Rug Institute (CRI), Carpet Installation Standards, No. 104.
- 1.3 **SUBMITTALS**
- .1 Product data:
- .1 Submit two copies of manufacturer's Product data for each product specified in accordance with Section 01 10 10 indicating:
- .1 Performance criteria, characteristics, and limitations.
- .2 Product transportation, storage, handling and installation requirements.
- .2 Shop drawings:
- .1 Submit shop drawings in accordance with Section 01 10 10 indicating:
- .1 Carpeted floor areas, carpet selection, pile direction, location and direction of seams, cross joints, and other details required by Consultant to clarify work.
- .3 Samples:
- .1 Submit following samples in accordance with Section 01 10 10.
- .1 Submit duplicate 300 mm square pieces of carpet specified and 150 mm lengths of accessory.
- .4 Certification:
- .1 Submit certification that carpet has been tested and passed the Indoor Air Quality (IAQ) Carpet Testing Program requirements of the Canadian Carpet Institute.
- .2 Four weeks after Notification of Award, Submit certification from carpet manufacturer that carpet has been ordered.
- .5 Closeout submittals: Submit maintenance and cleaning data for incorporation into Operations and Maintenance Manuals in accordance with Section 01 10 10.
- 1.4 **QUALITY ASSURANCE**
- .1 Mock-up:
- .1 Refer to Section 01 43 00 for additional information regarding mock-ups pertaining to this Section.
- .2 Construct 2 m² mock-up of carpet flooring including intended floor transition, in location acceptable to Consultant.

- .3 Mock-up shall demonstrate the minimum standard for workmanship, material thicknesses, and finished appearance.
- .4 Arrange for Consultant's review and acceptance, allow 48 hours after acceptance before proceeding with work.
- .5 Mock-up may remain as part of Work if accepted by Consultant. Remove and dispose of mock-ups which do not form part of Work.
- .6 Upon acceptance, mock-up shall serve as a minimum standard of quality for the balance of the work of this Section.

1.5 SITE CONDITIONS

- .1 Do not install work of this Section when the ambient air and surface temperature is below 18⁰C or above 40⁰C without Consultant's and Product manufacturer's written acceptance.
- .2 Supply and install temporary protection and facilities to maintain Product manufacturer's, and above specified environmental requirements for 24 hours before, during, and 24 hours after installation.

1.6 MAINTENANCE

- .1 Submit extra 3% each colour, pattern and type of flooring material required for maintenance use. Extra materials to be from same production run as installed materials and clearly labelled. Provide in one continuous full width roll. Store where directed.
- .2 Upon completion of the work of this Section, bundle and wrap all large remnant pieces of carpet remaining and store where directed by Consultant.

2 Products

2.1 MATERIALS

- .1 General: All materials under work of this Section, including but not limited to, adhesives are to have low VOC content limits.
- .2 Carpet tile (CPT-2): 100% solution dyed, tufted textured loop, carpet tile. Refer to Drawings for manufacturer, size, and colour.
- .3 Adhesive: Non-release type: recommended by carpet manufacturer for direct glue down installation, low odour, free of volatile hydrocarbons such as toluene and mineral spirits.
- .4 Reducing edge strips, thresholds: Nitrile rubber plasticized vinyl, 80-95 Shore A Durometer, adhesive as recommended by manufacturer.
 - .1 'Finishing Accessories' by Tarkett or approved alternative.

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- .5 Carpet protection: Non-staining heavy duty kraft paper.
 - .6 Resilient base: In accordance with Section 09 65 00.
 - .7 Concrete skim coat compound: High-performance, rapid-setting cement based skim coating compound. 'Planiprep SC' by Mapei or approved alternative for filling minor voids and leveling existing substrate.
- 3 Execution
- 3.1 **EXAMINATION**
- .1 Verify condition and dimensions of previously installed work upon which this Section depends. Report defects to Consultant. Commencement of work of this Section means acceptance of existing conditions.
- 3.2 **PREPARATION**
- .1 Verify substrate surfaces are solid, free from surface water, dust, oil, grease, scaling or laitance, projections and other foreign matter detrimental to performance.
 - .2 Repair depressions and cracks with latex base compound or water putty crack filler. Sweep and vacuum surfaces before laying carpet.
 - .3 Pre-condition carpeting following manufacturer's printed instructions. .
- 3.3 **CARPET TILE INSTALLATION**
- .1 Install floor carpet in accordance with pattern layout and reviewed shop drawings, manufacturer's printed instructions and in accordance with The Carpet and Rug Institute (CRI), Carpet Installation Standards, No. 104.
 - .2 Cut and install carpet to fit tightly and neatly around perimeter of carpeted areas, around permanent fixtures and around projections through the floor.
 - .3 Adhesive method:
 - .1 Apply adhesive and install carpeting in accordance with manufacturer's written instructions by direct glue-down method.
 - .2 Spread full bed of adhesive evenly over substrate surfaces and install carpet tile over adhesive. Roll carpet with approved type roller to remove air pockets, ripples and other defects.
 - .4 Butt all carpet tiles to tight contact to make all joints as inconspicuous as possible.
 - .5 Finish installation to present smooth wearing surface free from mis-alignment, lifting, burring and other faults.

- .6 Use material from same dye lot. Ensure colour, pattern and texture match within any one visual area. Maintain constant pile direction.
- .7 Continue carpeting through passageways and extend carpet into recesses, such as closets, and under movable casework, equipment and other movable items.
- .8 Terminate carpeting at centerline of door, in closed position, in openings where adjacent floor finish or colour is dissimilar.
- .9 Resilient base: Install resilient base in accordance with Section 09 65 00.

3.4 **CLEANING AND PROTECTION**

- .1 Vacuum carpets clean immediately after completion of installation. Protect traffic areas.
- .2 Prohibit traffic on carpet until adhesive is cured.

END OF SECTION