PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Prepare and test floors to receive carpet and resilient flooring as described in Contract Documents.

B. Related Sections:
   1. Section 01 1000: Carpet and carpet base and carpet tile furnished and installed by Owner.
   2. Section 03 3111: Installation tolerances for concrete slabs.

1.2 REFERENCES

A. American Society of Testing And Materials:
   1. ASTM F 1869-04, ‘Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.’

1.3 SUBMITTALS

A. Quality Assurance / Control: Three copies of vapor emission and pH tests.

1.4 QUALITY ASSURANCE

A. Pre-Installation Conference:
   1. Schedule pre-installation conference one month minimum before Substantial Completion. Conference shall include Contractor, Architect, and Owner. At Owner's option and additional expense, Owner's flooring installer will be invited to conference.
   2. Review condition of floor with regard to compliance with concrete installation tolerances and other work necessary to prepare floors for installation of carpet and resilient flooring.
   3. Examine results of slab vapor emission and pH tests during meeting.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Provide storage space and protection for flooring and installation accessories if materials delivered before Substantial Completion.

1.6 PROJECT CONDITIONS

A. Project Environmental Conditions: Bring conditions inside building to levels normal at occupancy of building 24 hours prior to beginning slab testing. Maintain these conditions from beginning of slab testing until completion of tests. These conditions include minimum ambient temperature of 65 deg F 18 deg C, relative humidity between 10 and 65 percent, and minimum concrete slab temperature of 65 deg F 18 deg C.
1.7 SEQUENCING

A. It is anticipated that flooring installation will begin no later than 72 hours after Substantial Completion.

PART 2 - PRODUCTS

2.1 EQUIPMENT

A. Test Kit:
   1. Class Two Quality Standard. See Section 01 6000.
      a. Moisture / Alkali Test Kit Number 625 for calcium chloride and pH testing by Taylor Tools, a

PART 3 - EXECUTION

3.1 PREPARATION

A. Floor Preparation:
   1. Remove paint, sealer, grease, oil, silicone sealants, curing compounds, and other materials
      incompatible with carpet adhesive.
   2. Five days before Substantial Completion, plus or minus one day, and in conjunction with final
      cleaning specified in Section 01 7000, vacuum and damp mop floor areas to receive flooring.

3.2 FIELD QUALITY CONTROL

A. Site Testing:
   1. 72 hours before pre-installation conference, test slab for water vapor emissions in accordance
      with ASTM F 1869 except place moisture-testing kits as follows:
      a. One test near center of North wall in room to be carpeted.
      b. One test near center of South wall in room to be carpeted.
      c. One test at lowest grade of floor to be carpeted.
      d. One test near center of Chapel.
   2. Perform a pH test in conjunction with each vapor emission test.

END OF SECTION