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SECTION 09510 ACOUSTICAL CEILINGS	
1. GENERAL	A. Suspended metal grid ceiling system.
2. SECTION INCLUDES	A. Acoustical units.
3. REFERENCE STANDARDS	A. ASTM C635/C635M - Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2022.
4. A. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels; 2019.	
5. A. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions; 2022.	
6. A. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2023.	
7. ADMINISTRATIVE REQUIREMENTS	A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
8. A. Do not install acoustical units until after interior wet work is dry.	
9. SUBMITTALS	A. Product Data: Provide data on suspension system components and acoustical units.
10. A. Shop Drawings: Indicate grid layout and related dimensioning, junctions with other ceiling finishes, and mechanical and electrical items installed in the ceiling.	
11. A. Evaluation Service Reports: Show compliance with specified requirements.	
12. A. Samples: Submit two samples 6 by 6 inch (152 by 152 mm) in size illustrating material and finish of acoustical units.	
13. A. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.	
14. A. Designer's qualification statement.	
15. A. Manufacturer's qualification statement.	
16. A. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.	
17. 1. Extra Acoustical Units: Quantity equal to 5 percent of total installed.	
18. QUALITY ASSURANCE	A. Designer Qualifications for Seismic Design: Perform under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed at the State in which the Project is located.
19. A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.	
20. A. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.	
21. FIELD CONDITIONS	A. Maintain uniform temperature of minimum 60 degrees F (16 degrees C), and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.
22. PRODUCTS	
23. 1. MANUFACTURERS	
24. A. Acoustic Panels:	
25. 1. Armstrong World Industries, Inc.: www.armstrongceilings.com/#sle.	
26. 2. CertainTeed Architectural: www.certainteed.com/ceilings-and-walls/#sle.	
27. 3. USG Corporation: www.usg.com/ceilings/#sle.	
28. 4. Substitutions: See Section 016000 - Product Requirements.	
29. Basis of Design: As scheduled on drawings.	
30. Suspension Systems:	
31. 1. Same as for acoustical units.	
32. 2. Substitutions: See Section 016000 - Product Requirements.	
33. 2.02 ACOUSTICAL UNITS	
34. A. Acoustical Units - General: ASTM E1264, Class A.	
35. 2.03 SUSPENSION SYSTEM(S)	
36. A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, and splices as required.	
37. B. Exposed Suspension System: Hot-dipped galvanized steel grid with steel cap.	
38. 1. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.	
39. 2. Profile: Tee: 19/16 inch (24 mm) face width.	
40. 3. Finish: Baked enamel.	
41. 4. Color: White.	
42. 2.04 ACCESSORIES	
43. A. Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system fitness requirement specified.	
44. B. Hanger Wire: 12 gauge, 0.08 inch (2 mm) galvanized steel wire.	
45. C. Hold-Down Clips: Manufacturer's standard clips to suit application.	
46. D. Perimeter Moldings: Same metal and finish as grid.	
47. 1. Size: As required for installation conditions and specified Seismic Design Category.	
48. 2. Angle Molding: L-shaped, for mounting at same elevation as face of grid.	
49. 3. Acoustical Sealant For Perimeter Moldings: Non-hardening, non-skimming, for use in conjunction with suspended ceiling system.	
50. E. Acoustical Insulation: See Section 092116.	
51. 1. Thickness: 6 inch (152 mm).	
52. F. Touch-up Paint: Type and color to match acoustical and grid units.	
53. PART 3 EXECUTION	
54. 3.01 EXAMINATION	
55. A. Verify existing conditions before starting work.	
56. B. Verify that layout of hangers will not interfere with other work.	
57. 3.02 PREPARATION	
58. A. Install after major above-ceiling work is complete.	
59. B. Coordinate the location of hangers with other work.	
60. 3.03 INSTALLATION - SUSPENSION SYSTEM	
61. A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.	
62. B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1/360.	
63. C. Lay out system to a balanced grid design with edge units no less than 50 percent of acoustical unit size.	
64. D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.	
65. 1. Install in bed of acoustical sealant.	
66. 2. Use longest practical lengths.	
67. 3. Overlap and nivet corners.	
68. E. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.	
69. F. Where ducts or other equipment prevent the regular spacing of hangers, reattach the nearest affected hangers and related carrying channels to span the extra distance.	
70. G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.	
71. H. Support fixture loads using supplementary hangers located within 6 inches (152 mm) of each corner, or support components independently.	
72. I. Do not eccentrically load system or induce rotation of runners.	
73. 3.04 INSTALLATION - ACOUSTICAL UNITS	
74. A. Install acoustical units in accordance with manufacturer's instructions.	
75. B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.	
76. C. Fit border trim neatly against abutting surfaces.	
77. D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.	
78. E. Cutting Acoustical Units:	
79. 1. Cut to fit irregular grid and perimeter edge trim.	
80. 2. Make field cut edges of same profile as factory edges.	
81. 3. Double cut and field paint exposed reveal edges.	
82. F. Where round obstructions occur, provide preformed closures to match perimeter molding.	
83. G. Lay acoustical insulation for a distance of 24 inches (610 mm) either side of acoustical partitions as indicated.	
84. H. Install hold-down clips on panels within 20 ft (6 m) of an exterior door.	
85. I. Coordinate with fire detection and suppression systems and to comply with applicable codes.	
86. 3.05 TOLERANCES	
87. A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet (3 mm in 3 m).	
88. B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.	
89. 3.06 CLEANING	
90. A. Clean surfaces.	
91. B. Replace damaged or abraded components.	
END OF SECTION	
SECTION 09650 RESILIENT FLOORING	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Resilient base.	
B. Installation accessories.	
1.02 REFERENCE STANDARDS	
A. ASTM E848 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2019a, with Editorial Revision (2020).	
B. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.	
C. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.	
1.03 SUBMITTALS	
A. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.	
B. Verification Samples: Submit two samples, 12 by 12 inch (305 by 305 mm) in size illustrating color and pattern for each resilient flooring product specified.	
C. Installer's Qualification Statement.	
D. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.	
E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.	
1. Extra Wall Base: 100 linear feet (30.4 linear meters) of each type and color.	
1.04 QUALITY ASSURANCE	
A. Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented experience.	
B. Testing Agency Qualifications: Independent firm specializing in performing concrete slab moisture testing and inspections of the type specified in this section.	
1.05 DELIVERY, STORAGE, AND HANDLING	
A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.	
B. Store all materials off of the floor in an acclimatized, weather-tight space.	
C. Maintain temperature in storage area between 55 degrees F (13 degrees C) and 90 degrees F (72 degrees C).	
D. Protect roll materials from damage by storing on end.	
1.06 FIELD CONDITIONS	
A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F (21 degrees C) to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F (13 degrees C).	
PART 2 PRODUCTS	
2.01 RESILIENT BASE	
A. Resilient Base: ASTM F1861, Type TS, rubber, vulcanized thermoset; style as scheduled.	
1. Manufacturers:	
a. Johnsonite, a Tarkett Company: www.johnsonite.com/#sle.	
b. Substitutions: See Section 016000 - Product Requirements.	
2. Basis of Design: As scheduled on drawings.	
3. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E848 or NFPA 253.	
4. Height: 4 inches (100 mm).	
5. Thickness: 0.125 inch (3.2 mm).	
6. Finish: Satin.	
7. Length: Roll.	
8. Color: As indicated on drawings.	
2.02 ACCESSORIES	
A. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.	
B. Filler for Coved Base: Plastic.	
PART 3 EXECUTION	
3.01 EXAMINATION	
A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.	
B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.	
3.02 PREPARATION	
A. Clean substrate.	
B. Apply primer as required to prevent "bleed-through" or interference with adhesion by substances that cannot be removed.	
3.03 INSTALLATION - GENERAL	
A. Starting installation constitutes acceptance of substrate conditions.	
B. Install in accordance with manufacturer's written instructions.	
C. Adhesive-Applied Installation:	
1. Fit joints and butt seams tightly.	
3.04 INSTALLATION - RESILIENT BASE	
A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches (45 mm) between joints.	
B. Miter internal corners. At external corners, use premitred units. At exposed ends, use premitred units.	
C. Install base on solid backing. Bond tightly to wall and floor surfaces.	
D. Scribe and fit to door frames and other interruptions.	
3.05 CLEANING	
A. Remove excess adhesive from floor, base, and wall surfaces without damage.	
B. Clean in accordance with manufacturer's written instructions.	
3.06 PROTECTION	
A. Prohibit traffic on resilient flooring for 48 hours after installation.	
END OF SECTION	
SECTION 09656 RESILIENT ATHLETIC FLOORING	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Rubber sheet flooring, adhesively installed.	
1.02 REFERENCE STANDARDS	
A. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.	
B. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.	
1.03 ADMINISTRATIVE REQUIREMENTS	
A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; request attendance by all affected installers; review preparation and installation procedures and coordination and scheduling necessary for related work.	
1.04 SUBMITTALS	
A. Product Data: Manufacturer's printed data sheets for products specified.	
B. Shop Drawings: Fabrication and installation details, and layout, colors, and widths of game lines and equipment locations.	
C. Verification Samples: Actual flooring material specified, not less than 12 inch (305 mm) square, mounted on solid backing.	
D. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.	
E. Installer's qualification statement.	
F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.	
1. Extra Flooring Material: 10 square yards (9 sq m) matching installed flooring.	
1.05 QUALITY ASSURANCE	
A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least three years of documented experience.	
B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.	
1.06 MOCK-UPS	
A. Construct one mock-up, minimum 5 feet (1530 mm) long by 5 feet (1530 mm) wide, indicating color, sheen, and texture.	
B. Locate where directed.	
C. Mock-up may remain as part of work.	
1.07 DELIVERY, STORAGE, AND HANDLING	
A. Deliver materials to project site in unopened containers clearly labeled with manufacturer's name and identification of contents.	
B. Store materials in dry and clean location until needed for installation. During installation, handle in a manner that will prevent marring and soiling of finished surfaces.	
1.08 FIELD CONDITIONS	
A. Maintain temperature in spaces to receive adhesively installed resilient flooring within range of 70 to 95 degrees F (21 to 35 degrees C) for not less than 48 hours before the beginning of installation and for not less than 48 hours after installation has been completed. Subsequently, do not allow temperature in installed spaces to drop below 50 degrees F (10 degrees C) or to go above 100 degrees F (38 degrees C).	
PART 2 PRODUCTS	
2.01 PREFORMED ATHLETIC FLOORING	
A. Rubber Sheet Flooring: Two-layer vulcanized rubber.	
1. Thickness: Minimum 5/16 inch (8 mm), nominal.	
2. Sheet Width: Minimum 48 inches (1220 mm).	
3. Surface Texture: Embossed.	
4. Surface Pattern: Nondirectional.	
5. Color: As indicated on drawings.	
6. Products:	
a. Basis of Design: Centaur Floor Systems; Fastrack: www.centaurfloors.com.	
b. Mondo America, Inc; Sport Impact: www.mondoworldwide.com/#sle.	
c. North West Rubber; PROXL Roll: www.northwestrubber.com/#sle.	
d. Substitutions: See Section 016000 - Product Requirements.	
2.02 ACCESSORIES	
A. Leveling Compound: Latex-modified cement formulation as recommended by flooring manufacturer for substrate conditions.	
B. Flooring Adhesive: Waterproof; types recommended by flooring manufacturer.	
PART 3 EXECUTION	
3.01 EXAMINATION	
A. Examine substrates for conditions detrimental to installation of athletic flooring. Proceed with installation only after unsatisfactory conditions have been corrected.	
B. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of athletic flooring to substrate.	
C. Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).	
1. Test as Follows:	
a. Alkalinity (pH): ASTM F710.	
b. Internal Relative Humidity: ASTM F2170.	
c. Moisture Vapor Emission: ASTM F1869.	
2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.	
3.02 PREPARATION	
A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.	
B. Concrete: Use leveling compound as necessary to achieve substrate flatness of plus or minus 1/8 inch within 10 ft radius (1/1000).	
C. Remove coatings that are incompatible with flooring adhesives, using methods recommended by flooring manufacturer.	
D. Broom clean areas to receive athletic flooring immediately before beginning installation.	
3.03 INSTALLATION	
A. Starting installation constitutes acceptance of subfloor conditions.	
B. Install in accordance with manufacturer's written instructions.	
C. Resilient Sheet Flooring	
1. Unroll flooring and allow to relax before beginning installation.	
2. Mix adhesive thoroughly and apply to substrate with notched trowel. Roll flooring into fresh adhesive, overlapping end seams and double cutting, butting factory edges and compression fitting.	
3. Roll entire flooring surface with steel roller to assure adhesion to substrate and eliminate air bubbles.	
4. Immediately remove any adhesive from flooring surface, using chemical eliminated by flooring manufacturer.	
5. Weld seams using techniques and equipment recommended by manufacturer.	
3.04 CLEANING	
A. Clean flooring using methods recommended by manufacturer.	
3.05 PROTECTION	
A. Protect finished athletic flooring from construction traffic to ensure that it is without damage upon Date of Substantial Completion.	

END OF SECTION	
SECTION 09670 FLUID-APPLIED FLOORING	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Fluid-applied flooring	
1.02 REFERENCE STANDARDS	
A. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.	
B. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.	
C. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.	
1.03 SUBMITTALS	
A. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns and colors available.	
B. Samples: Submit two samples, 8 by 8 inch (204 by 204 mm) in size illustrating color and pattern for each floor material for each color specified.	
C. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.	
D. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and application rate for each coat.	
E. Manufacturer's Qualification Statement.	
F. Applicator's Qualification Statement.	
G. Maintenance Data: Include maintenance procedures, recommended maintenance materials, procedures for stain removal, repairing surface, and suggested schedule for cleaning.	
1.04 QUALITY ASSURANCE	
A. Applicator Qualifications: Company specializing in performing the work of this section.	
1. Minimum three years of experience.	
2. Approved by manufacturer.	
1.05 MOCK-UPS	
A. Construct mock-up(s) of fluid applied flooring to serve as basis for evaluation of texture and workmanship.	
1. Number of Mock-Ups to be Prepared: One.	
2. Use same materials and methods for use in the work.	
3. Locate where directed.	
4. Minimum Size: 48 inches by 48 inches (1220 mm by 1220 mm).	
B. Testing: Test each of the following cleaning agents to determine effect on color, gloss, and texture. If deleterious effects occur, stop procedure and consult with flooring manufacturer, Owner, and Architect.	
1. 10 parts water and 1 part bleach (sodium hypochlorite).	
2. 10 parts water and 1 part hydrogen peroxide.	
3. Virox Technologies, Inc.; Rescue Concentrate at 1:16 dilution or higher.	
4. Other cleaning and thinning solutions allowed by Owner.	
C. Obtain approval of mock-up by Architect before proceeding with work.	
D. Approved mock-up may remain as part of the work.	
1.06 DELIVERY, STORAGE, AND HANDLING	
A. Store resin materials in a dry, secure area.	
B. Store materials for three days prior to installation in area of installation to achieve temperature stability.	
1.07 FIELD CONDITIONS	
A. Maintain minimum temperature in storage area of 55 degrees F (13 degrees C).	
B. Store materials in area of installation for minimum period of 24 hours prior to installation.	
C. Maintain ambient temperature required by manufacturer 72 hours prior to, during, and 24 hours after installation of materials.	
1.08 WARRANTY	
A. Manufacturer's Special Warranty:	
1. Term of Warranty: Five years commencing on Date of Substantial Completion.	
PART 2 PRODUCTS	
2.01 MANUFACTURERS	
A. Fluid-Applied Flooring:	
1. Basis of Design: Sherwin-Williams Company; www.protective.sherwin-williams.com.	
2. Substitutions: See Section 016000 - Product Requirements.	
2.02 FLUID-APPLIED FLOORING SYSTEMS	
A. Fluid-Applied Flooring: Polyurethane, polyester waterbased, single-component top coat on primer, no aggregate.	
1. System Thickness: 15 mils (0.4 mm), nominal, dry film thickness (DFT), unless otherwise directed by manufacturer.	
2. Texture: Smooth.	
3. Sheen: Gloss.	
4. Color: As selected by manufacturer from manufacturer's full range.	
5. Basis of Design:	
a. Primer: Sherwin-Williams Company; ArmorSeal Floor Plex 7100 Primer.	
b. Top Coat: Sherwin-Williams Company; ArmorSeal 1K WB Urethane Floor Enamel.	
PART 3 EXECUTION	
3.01 EXAMINATION	
A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive flooring.	
B. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of materials to subfloor surfaces.	
C. Cementitious Subfloor Surfaces: Verify that substrates are ready for fluid-applied flooring installation by testing for moisture and alkalinity (pH).	
1. Test as Follows:	
a. Alkalinity (pH): ASTM F710.	
b. Internal Relative Humidity: ASTM F2170.	
c. Moisture Vapor Emission: ASTM F1869.	
2. Obtain instructions if test results are not within limits recommended by fluid-applied flooring manufacturer.	
D. Verify that required floor-mounted utilities are in correct location.	
3.02 PREPARATION	
A. Remove subfloor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with subfloor filler.	
B. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Grind irregularities above the surface level. Prohibit traffic until filler is cured.	
C. Vacuum clean substrate.	
3.03 INSTALLATION - FLOORING	
A. Apply in accordance with manufacturer's instructions.	
B. Apply each coat to minimum thickness required by manufacturer.	
C. Finish to smooth level surface.	
3.04 FIELD QUALITY CONTROL	
A. At Owner's option, the Contractor shall take two 1-inch (25 mm) cores per 1,000 sq. ft. (93 sq. m) at random locations to verify system thickness.	
1. Locations: As directed by Architect, in less aesthetically noticeable locations.	
2. At areas where cores indicating less than specified thickness, remove and replace or increase thickness, but that does not affect the performance or integrity of the system, at no additional cost to Owner.	
3. Build up cured areas complying with system thickness requirements to match surrounding surface elevation, prior to applying top coat, at no additional cost to Owner.	
3.05 PROTECTION	
A. Prohibit traffic on floor finish for 48 hours after installation.	
B. Barricade area to protect flooring until fully cured.	
END OF SECTION	
SECTION 09683 TILE CARPETING	
PART 1 GENERAL	
1.01 SECTION INCLUDES	
A. Carpet tile, fully adhered.	
1.02 REFERENCE STANDARDS	
A. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials; 2016 (Reapproved 2021).	
B. ASTM E848 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2019a, with Editorial Revision (2020).	
C. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.	
D. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.	
E. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.	
F. CRI (GLP) - Green Label Plus Testing Program - Certified Products; Current Edition.	
G. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.	
1.03 SUBMITTALS	
A. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.	
B. Shop Drawings: Indicate layout of joints.	
C. Samples: Submit two carpet tiles illustrating color and pattern design for each carpet color selected.	
D. Accessory Samples: Submit two 12 inch (304 mm) long samples of edge strip.	
E. Sustainable Design Submittal: Submit VOC content documentation for adhesives.	
F. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.	
G. Concrete Subfloor Test Report: Submit a copy of the moisture and alkalinity (pH) test reports.	
H. Manufacturer's Qualification Statement.	
I. Installer's Qualification Statement.	
J. Operation and Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.	
K. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.	
1. Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.	
1.04 QUALITY ASSURANCE	
A. Manufacturer Qualifications: Company specializing in manufacturing specified carpet tile with minimum three years documented experience.	
B. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.	
C. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.	
1.05 FIELD CONDITIONS	
A. Store materials in area of installation for minimum period of 24 hours prior to installation.	
PART 2 PRODUCTS	