
Cherokee Nation Entertainment TAHLEQUAH CASINO

Tahlequah, Oklahoma

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JAMES R. CHILDERS ARCHITECT, INC.

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SECTION 06 6100
SIMULATED STONE FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Cast plastic washroom vanities, counter top, and windowsills & door thresholds.
- B. Quartz Counter Tops

1.02 RELATED REQUIREMENTS

- A. Section [] - Equipment Wiring: Electrical attachment to bathtub circulating pump.
- B. Section 079000 Joint Sealers

1.03 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2017.
- B. UL (EAUED) - Electrical Appliance and Utilization Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.04 DESIGN REQUIREMENTS

- A. Design all items with sufficient strength for handling and placement stresses.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate dimensions, thicknesses, required clearances, tolerances, materials, colors, finishes, fabrication details, field jointing, adjacent construction, design load parameters, methods of support, integration of plumbing components, and anchorages.
- C. Product Data: Provide data on specified component products, electrical characteristics and connection requirements.
- D. Samples: Submit two samples representative of vanity top, 2"x2" inch (____x____ mm) in size, illustrating color, texture, and finish.
- E. Manufacturer's Installation Instructions: Indicate preparation of opening required, rough-in sizes; provide templates for cast-in or placed frames or anchors; tolerances for item placement, temporary bracing of components .

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Products Requiring Electrical Connection: Listed and classified by UL, as suitable for the purpose specified and indicated.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Cast Plastic Fabrications:
- B. Products:
- C. QZ-1 (Quartz)
 - 1. Manufacturer: WilsonArt
 - 2. Product: see color and finish schedule
- D. QZ-2 (Quartz)
 - 1. Manufacturer: Daltille

- 2. Product: see color and finish schedule
- E. Products:
- F. SS (Solid Surface)
 - 1. Manufacturer: LG Hausys
 - 2. www.lghimacsusa.com
 - a. Product: see color and finish schedule
 - b. Color: see Color and Finish Schedule

2.02 MATERIALS

- A. Provide finished products having flame spread index of 35 and smoke developed index of 15, when tested in accordance with ASTM E84 in thickness of 3/4 inch (19 mm).
- B. Resin: Polyester type, with integral coloring, stain resistant to domestic chemicals and cleaners.
- C. Polishing Cream: Compatible polishing cream to achieve specified sheen to gel coat.

2.03 FABRICATION

- A. Fabricate components by mold to achieve shape and configuration.
- B. Gel coat the finish exposed surfaces smooth and polish to a gloss sheen.
- C. Radius corners and edges.
- D. Cure components prior to shipment, except sheet materials requiring site handling.

2.04 FINISH

- A. Color: See Color and Finish Schedule color .
- B. Exposed to View Surface Visual Texture: Marbleized design.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joint preparation and affected dimensions are acceptable.
- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.02 PREPARATION

- A. Provide anchoring devices for installation and embedding.

3.03 INSTALLATION

- A. Install components in accordance with shop drawings and manufacturer's instructions.
- B. Align work plumb and level.
- C. Rigidly anchor to substrate to prevent misalignment.

3.04 TOLERANCES

- A. Maximum Variation From True Dimension: 1/8 inch (3 mm).
- B. Maximum Offset From True Position: 1/8 inch (3 mm).

3.05 CLEANING

- A. Clean and polish surfaces in accordance with manufacturer's instructions.

3.06 PROTECTION

- A. Do not permit construction near unprotected surfaces.

3.07 SCHEDULES

- A. See Drawings

END OF SECTION

SECTION 06 8300

HIGH PRESSURE DECORATIVE LAMINATES, PLASTIC PANELS, METAL PANELS & LAMINATED PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. High pressure decorative laminate for vertical and horizontal surfaces of cabinets, countertops, and paneling.
- B. Plastic Panels
- C. Metal faced Panels
- D. Laminated Panels

1.02 RELATED SECTIONS

- A. Section 06 2000 - Finish Carpentry.
- B. Section 06100 Rough Carpentry
- C. Section 06410 - Custom Cabinets.
- D. Section 06100 Rough carpentry
- E. Section 06620 Cast plastic fabrications
- F. Section 079000 Joint Sealers
- G. Section 09260 Gypsum board assemblies

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's catalog data, detail sheets, and specifications.
- C. Samples: Minimum 2 inches by 2 inches (50 mm by 50 mm) samples indicating full range of color and pattern variation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. PLastic Laminate, Wilson Art; www.wilsonart.com.
 - 1. PL-1, PL-2, PL-3, PL-4, PL-5, PL-6, PL-7, PL-8
 - a. Manufacturer: WilsonArt
 - b. Color: Coffee Bean
 - c. Product Number: D495K-18
- B. Metal Panel
 - 1. M-1, M-2, M-3, M-4
 - a. Manufacturer: Moz
 - b. Product: see color and finish schedule
- C. Provide all high pressure decorative laminates from a single manufacturer.

2.02 MATERIALS

- A. High-Pressure Decorative Laminate for Vertical Surfaces: Wilson Art; www.wilsonart.com.
 - 1. Thickness: 0.028 plus/minus 0.004 inch (0.7 plus/minus 0.10 mm).
 - 2. Color/Pattern: see finish schedule.
- B. High-Pressure Decorative Laminate for Horizontal Surfaces: Wilson Art; www.wilsonart.com. H-5 (HGS):
 - 1. Thickness: 0.048 plus/minus 0.005 inch (1.2 plus/minus 0.12 mm).
 - 2. Color/Pattern: see finish schedule.

2.03 FABRICATION

- A. Bond plastic laminate to core material using adhesives and techniques recommended by adhesive manufacturer and ANSI A161.2.
- B. Take care that moisture imbalance does not exist between plastic laminate and substrate before fabrication.
- C. Provide minimum radius of 1/8 inch (3.2 mm) at inside corners of cut-outs; file edges smooth to prevent stress cracking.
- D. Curved Surfaces: Use post forming grade plastic laminate only.
 - 1. Inside Radius (Surface in Compression): Minimum 1/4 inch (6.4 mm).
 - 2. Outside Radius (Surface in Tension): Minimum 3/8 inch (9.5 mm).
- E. Saw, drill, edge file, sand, and rout plastic laminate with decorative side up to prevent cracking or chipping of laminate surface.
 - 1. Use carbide tipped cutting edges on saws, drills, and routers.
 - 2. Drill plastic laminate with a wood backing to prevent "breakout" at bottom of drilled holes.
 - 3. Cut curved edges slightly oversize and finish by sanding, filing, or routing for smooth edges.
- F. PVC EDGING
 - 1. Charter Industries - W7945 Vanadu

PART 3 EXECUTION

3.01 INSTALLATION OF FABRICATED UNITS

- A. See Section 06410.

END OF SECTION

SECTION 09 3050

TILE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for floor applications.
- B. Tile for wall applications.
- C. Cementitious backer board as tile substrate.
- D. Ceramic accessories.
- E. Ceramic trim.
- F. Grout

1.02 RELATED SECTIONS

- A. Section 07 9005 - Joint Sealers.
- B. Section 092116 Gypsum Board Assemblies
- C. Section 06 4100 Architectural Wood Casework
- D. Section 06 6100 Simulated Stone Fabrications
- E. Section 08 8300 Mirrors
- F. Section 10 2800 Toilet Accessories
- G. Section 09 9100 Paints and Coatings

1.03 REFERENCES

- A. ANSI A108 Series/A118 Series/A136.1 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 1999.
- B. TCA (HB) - Handbook for Ceramic Tile Installation; Tile Council of America, Inc.; 2005.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Selection Samples: Color charts illustrating full range of colors and patterns.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, and setting details.
- D. Product Data: Provide instructions for using grouts and adhesives.
- E. Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

1.05 QUALITY ASSURANCE

- A. Maintain one copy of TCA Handbook and ANSI A108 Series/A118 (current editions) Series on site.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum 10 years of experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.07 ENVIRONMENTAL REQUIREMENTS

- A. Do not install adhesives in an unventilated environment.
- B. Maintain ambient and substrate temperature of 50 degrees F (10 degrees C) during installation of mortar materials.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. See ceramic tile below:

2.02 PORCELAIN FLOOR TILE, PTF-1 & PTF-2

- A. Manufacturer: Daltile
- B. Products: See color and finish schedule

2.03 ACCENT TILE, AT-1

- A. Manufacturer: Concept Surfaces
- B. Products: see color and finish schedule

2.04 ACCENT TILE, AT-2, AT-3 & AT-4

- A. Manufacturer: Daltile
- B. Product: see color and finish schedule

2.05 PORCELAIN WALL TILE, PTW-1, PTW-2A, PTW-2B, PTW-2C, PTW-4, PTW-6,

- A. Manufacturer: Concept Surfaces
- B. Product: see color and finish schedule

2.06 PORCELAIN WALL TILE, PTW-3

- A. Manufacturer: Tile Bar
- B. Product, see color and finish schedule

2.07 PORCELAIN WALL TILE, PTW-5, PTW-7 & PTW-8

- A. Manufacturer: Daltile
- B. Product: see color and finish schedule

2.08 PORCELAIN TILE BASE, PTB-1

- A. Manufacturer: Daltile
- B. Product: see color and finish schedule

2.09 SETTING MATERIALS

- A. Organic Adhesive: ANSI A136.1, thinset bond type; use Type I in areas subject to prolonged moisture exposure.
- B. Epoxy Adhesive: ANSI A118.3, thinset bond type.
- C. Mortar Bond Coat Materials:
 - 1. Dry-Set Portland Cement type: ANSI A118.1.
 - 2. Latex-Portland Cement type: ANSI A118.4.
 - 3. Epoxy: ANSI A118.3.
 - 4. Furan: ANSI A118.5.
- D. Grout
 - 1. G-1, G-2, G-3, G-4, G-5, G-6, G-7, G-8
 - a. Manufacturer: Custom Building Products
 - b. Color: see color and finish schedule
 - c. Product Number: see color and finish schedule
- E. Cementitious Backer Board: ANSI A118.9; High density, cementitious, glass fiber reinforced, 1/2 inch (13 mm) thick; 2 inch (50 mm) wide coated glass fiber tape for joints and corners.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that wall surfaces are smooth and flat within tolerances specified in Section 09 2116, are dust-free, and are ready to receive tile.

- B. Verify that sub-floor surfaces are dust-free, and free of substances which would impair bonding of setting materials to sub-floor surfaces.
- C. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.
- D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install cementitious backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.
- E. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

- A. Install tile and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and TCA Handbook recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
- E. Form internal angles square and external angles bullnosed.
- F. Sound tile after setting. Replace hollow sounding units.
- G. Keep expansion joints free of adhesive or grout. Apply sealant to joints.
- H. Allow tile to set for a minimum of 48 hours prior to grouting.
- I. Grout tile joints. Use standard grout unless otherwise indicated.
- J. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS (UPPER FLOORS)

- A. Over exterior concrete substrates, install in accordance with TCA Handbook Method F102, with standard grout.
- B. Over interior concrete substrates, install in accordance with TCA Handbook Method F113, dry-set or latex-portland cement bond coat, with standard grout, unless otherwise indicated.
 - 1. Where waterproofing membrane is indicated, install in accordance with TCA Handbook Method F122, with latex-portland cement grout.
 - 2. Where epoxy bond coat and grout are indicated, install in accordance with TCA Handbook Method F131.
 - 3. Where furan bond coat and grout are indicated, install in accordance with TCA Handbook Method F133.
 - 4. Where epoxy or furan grout is indicated, but not epoxy or furan bond coat, install in accordance with TCA Handbook Method F115.

3.05 INSTALLATION - WALL TILE

- A. Over cementitious backer units install in accordance with TCA Handbook Method W223, organic adhesive.

- B. Over gypsum wallboard on wood or metal studs install in accordance with TCA Handbook Method W243, thin-set with dry-set or latex-portland cement bond coat, unless otherwise indicated.
- C. Over interior concrete and masonry install in accordance with TCA Handbook Method W202, thin-set with dry-set or latex-portland cement bond coat.

3.06 CLEANING

- A. Clean tile and grout surfaces.

3.07 PROTECTION OF FINISHED WORK

- A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

SECTION 09 6500
RESILIENT FLOORING & BASE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Vinyl tile flooring.
- B. Vinyl Composition Flooring
- C. Resilient base.
- D. Metal Base
- E. Wood Base
- F. Thresholds and Transition Strips
- G. Installation accessories.

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.
- B. Section 03300 - Cast-in-Place Concrete: Concrete substrate.
- C. Section 26 0500 - Basic Electrical Materials and Methods
- D. Section 26 2726 - Wiring Devices and and Sensors
- E. Section 27 1500 - Voice and Data Communications

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Shop Drawings: Indicate seaming plan.
- D. Selection Samples: Submit manufacturer's complete set of color samples for Architect's initial selection.
- E. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Store all materials off of the floor in an acclimatized, weather-tight space.
- B. Maintain temperature in storage area between 55 degrees F (13 degrees C) and 90 degrees F (72 degrees C).
- C. Protect roll materials from damage by storing on end.

1.05 FIELD CONDITIONS

- A. Maintain temperature in storage area between 55 degrees F (13 degrees C) and 90 degrees F (72 degrees C).

PART 2 PRODUCTS

2.01 TILE FLOORING

- A. Vinyl Tile: VT
 - 1. Manufacturer: Tandus Centiva
 - 2. Product: Vinyl Tile, Contour Series, see color and finish schedule
- B. Vinyl Composition Tile: VCT
 - 1. Manufacturer: Armstrong
 - 2. Product: VCT, BBT Striations, see color and finish schedule

2.02 FLOOR BASE

- A. Rubber Base: RB-1 & RB-2
 - 1. Manufacturer: Roppe
 - 2. Products: Rubber Base, see color and finish schedule
- B. Metal Base: MB
 - 1. Manufacturer: Schluter
 - 2. Product: see color and finish schedule
- C. Wood Base: WDB
 - 1. Manufacturer: see finish carpentry
 - 2. Product: see color and finish schedule

2.03 THRESHOLDS

- A. TH-1
 - 1. Manufacturer: to be provided by door manufacturer
 - 2. Products: to be provided by door manufacturer
- B. TH-2
 - 1. Manufacturer: MSI Stone, Marble, see color and finish schedule
 - 2. Products: Marbel threshold, see color and finish schedule

2.04 TRANSITIONS

- A. T1, T2 & T3:
 - 1. Manufacturer: Schluter
 - 2. Product: Reno-U, see color and finish schedule
- B. T4 & T5:
 - 1. Manufacturer: Johnsonite
 - 2. Product: see color and finish schedule

2.05 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers, Adhesives, and Seaming Materials: Waterproof; types recommended by flooring manufacturer.
- C. Moldings, Transition and Edge Strips: see below.
 - 1. TH1 - Manufacturer: Metal Threshold, see color and finish schedule
 - 2. TH2 - Manufacturer: MSI Stone, see color and finish schedule
- D.
 - 1. T1 - Manufacturer: Schluter Systems, see color and finish
- E. Filler for Coved Base: Plastic.
- F. Sealer and Wax: Types recommended by flooring manufacturer - installed by CM.

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 sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive resilient flooring.
- C. 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.
- D. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.

1. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
- E. Verify that sub-floor surfaces are dust-free and free of substances which would impair bonding of adhesive materials to sub-floor surfaces.
- F. Verify that concrete sub-floor surfaces are dry enough and ready for resilient flooring installation by testing for moisture emission rate and alkalinity in accordance with ASTM F710; obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
- G. Verify that required floor-mounted utilities are in correct location.
- H. Verify that all slab and underslab moisture requirements are met prior to installation. Contractor shall conform with all Manufacturers requirements and provide all necessary test results to the Architect and owner prior to installation

3.02 PREPARATION

- A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.
- B. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- C. Prohibit traffic until filler is cured.
- D. Clean substrate.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of sub-floor conditions.
- B. Install in accordance with manufacturer's instructions.
- C. Spread only enough adhesive to permit installation of materials before initial set.
- D. Fit joints tightly.
- E. Set flooring in place, press with heavy roller to attain full adhesion.
- F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- G. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
- H. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.04 TILE FLOORING

- A. Install in accordance with manufacturer's instructions.
- B. Mix tile from container to ensure shade variations are consistent when tile is placed, unless manufacturer's instructions say otherwise.
- C. Spread only enough adhesive to permit installation of materials before initial set.
- D. Set flooring in place, press with heavy roller to attain full adhesion.
- E. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.
- F. Install tile to ashlar pattern. Allow minimum 1/2 full size tile width at room or area perimeter.
- G. Where floor finishes are different on opposite sides of door, terminate flooring under centerline of door.
- H. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated. Before installation of flooring, secure metal strips with stainless steel screws.
- I. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
- J. Install flooring in recessed floor access covers. Maintain floor pattern.

3.05 RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 8'-0" inches (____ mm) between joints.
- B. At internal corners is premolded units. At external corners, use premolded units. At exposed ends, use premolded units.
- C. Install base on solid backing. Bond tightly to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.
- E. Add filler strip at space between gypsum wall board and floor slab prior to installing base

3.06 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's instructions.
- C. Clean, seal, and wax resilient flooring products in accordance with manufacturer's instructions.

3.07 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.

3.08 SCHEDULE: SEE DRAWINGS.

3.09 ATTIC STOCK

- A. CM shall provide the owner with the following attic stock per the requirements below:
 - 1. One full box of each flooring & base type specified in this section
 - 2. Each box shall be turned over to the owner at project closeout unopened and clearly labeled

END OF SECTION

SECTION 09 6813
TILE CARPETING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Carpet tile, fully adhered.
- B. Entry Mat Carpet Tile
- C. Custom Carpet Tile (Owner Provided)

1.02 RELATED REQUIREMENTS

- A. Section 03 3000 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.
- B. Section 09300-Tile: Marble Thresholds.
- C. Section 09650-Resilient Flooring: Base and transition finish.
- D. Section 07900 Joint sealers
- E. Section 09260 Gypsum board assemblies
- F. Section 09900 Paints and coatings
- G. Section 26 0500 - Basic Electrical Materials and Methods
- H. Section 26 2726 - Wiring Devices and Sensors
- I. Section 27 1500 - Voice and Data Communication Cabeling

1.03 REFERENCE STANDARDS

- A. CRI (CIS) - Carpet Installation Standard; Carpet and Rug Institute; 2009.
- B. CRI 104 - Standard for Installation of Commercial Textile Floorcovering Materials; Carpet and Rug Institute; 2002.
- C. CRI (GLA) - Green Label Testing Program - Approved Adhesive Products; Carpet and Rug Institute; Current Edition.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate layout of joints, direction of carpet pile, and location of edge moldings.
- C. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
- D. Samples: Submit two carpet tiles illustrating color and pattern design for each carpet color selected.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- F. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.

1.05 FIELD CONDITIONS

- A. Store materials in area of installation for minimum period of 24 hours prior to installation.

1.06 EXTRA MATERIALS

- A. See Section 01 6000 - Product Requirements, for additional provisions.
- B. Provide 5 boxes of carpet tiles of each color and pattern selected.

PART 2 PRODUCTS

2.01 MANUFACTURERS:

- A. See below for Manufacturers:

2.02 MATERIALS

- A. Manufacturer:
 - 1. Mohawk Group
- B. Product:
 - 1. EM, Entry Mat Carpet Tile, Walk Off, see color and finish schedule
 - 2. CPT-5:, Carpet Tile, Colorbeat, see color and finish schedule
- C. Manufacturer:
 - 1. Shaw:
- D. Product:
 - 1. CPT-1: Carpet Tile, Haven, see color and finish schedule
- E. Manufacturer:
 - 1. Milliken:
- F. Products:
 - 1. CPT-2: Custom Carpet Tile, see color and finish schedule
 - 2. CPT-3: Custom Carpet Tile, see color and finish schedule
 - 3. CPT-4: Custom Carpet Tile, see color and finish schedule

2.03 ACCESSORIES

- A. Sub-Floor Filler: White premix latex; type recommended by flooring material manufacturer.
- B. Edge Strips: varies, see floor covering plan, architect to select color.
- C. Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.
- D. Adhesives: Acceptable to carpet tile manufacturer, compatible with materials being adhered; maximum VOC of 50 g/L; CRI Green Label certified; in lieu of labeled product, independent test report showing compliance is acceptable.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that sub-floor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.
- 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 carpet tile.
- C. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to sub-floor surfaces.
- D. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for flooring installation by testing for moisture and pH.
- E. Verify that concrete sub-floor surfaces are ready for carpet tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by carpet tile manufacturer and adhesive materials manufacturer.
- F. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.
- B. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler.
- C. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.
- D. Vacuum clean substrate.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of sub-floor conditions.

- B. Install carpet tile in accordance with manufacturer's instructions and CRI Carpet Installation Standard.
- C. Install carpet tile in accordance with manufacturer's instructions and CRI 104.
- D. Blend carpet from different cartons to ensure minimal variation in color match.
- E. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- F. Lay carpet tile in square pattern, with pile direction alternating to next unit, set parallel to building lines.
- G. Locate change of color or pattern between rooms under door centerline.
- H. Fully adhere carpet tile to substrate.
- I. Trim carpet tile neatly at walls and around interruptions.
- J. Complete installation of edge strips, concealing exposed edges.

3.04 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
- B. Clean and vacuum carpet surfaces.

END OF SECTION

**SECTION 09 7200
WALL COVERINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation and prime painting.
- B. Wall covering.
- C. Wall Protection Covering

1.02 REFERENCE STANDARDS

- A. ASTM D1308 - Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes; 2002 (Reapproved 2013).
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2017.
- C. ASTM D1308 - Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes; 2002 (Reapproved 2007).
- D. ASTM F793/F793M - Standard Classification of Wall Coverings by Use Characteristics; 2015.
- E. FS L-P-1040 - Plastic Sheets and Strips (Polyvinyl Fluoride); Federal Specifications and Standards; Revision B, 1977.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on wall covering and adhesive.
- C. Shop Drawings: Indicate wall elevations with seaming layout.
- D. Samples: Submit two samples of wall covering, 12 x 12 inch (____x____ mm) in size illustrating color, finish, and texture.
- E. Test Reports: Indicate verification of flame and smoke ratings, when tested by UL.
- F. Manufacturer's Installation Instructions: Indicate special procedures.
- G. Maintenance Data: Submit data on cleaning, touch-up, and repair of covered surfaces.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing the type of work specified in this section with minimum 5 years of experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inspect roll materials at arrival on site, to verify acceptability.
- B. Protect packaged adhesive from temperature cycling and cold temperatures.
- C. Do not store roll goods on end.

1.06 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the adhesive or wall covering product manufacturer.
- B. Maintain these conditions 24 hours before, during, and after installation of adhesive and wall covering.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Requirements for All Wall Coverings:

1. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84.
 2. Chemical and Stain Resistance: No visible staining or discoloration and no damage to surface texture when tested in accordance with ASTM D1308.
- B. Products:
1. WC-1
 - a. Manufacturer: MDC
 - b. Pattern / Collection: see color and finish schedule
 2. WC-2
 - a. Manufacturer: Knol Textiles
 - b. Pattern / Collection: see color and finish schedule
 3. WC-3
 - a. Manufacturer: Wolf Gordon
 - b. Pattern / Collection: see color and finish schedule
 4. WP-1
 - a. Manufacturer: Wolf Gordon
 - b. Product: see color and finish schedule
- C. Adhesive: Type recommended by wall covering manufacturer to suit application to substrate.
- D. Termination Trim: Extruded plastic, clear.
- E. Substrate Filler: As recommended by adhesive and wall covering manufacturers; compatible with substrate.
- F. Substrate Primer and Sealer: Alkyd enamel type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are prime painted and ready to receive work, and conform to requirements of the wall covering manufacturer.
- B. Measure moisture content of surfaces using an electronic moisture meter. Do not apply wall coverings if moisture content of substrate exceeds level recommended by wall covering manufacturer.
- C. Verify flatness tolerance of surfaces does not vary more than 1/8 inch in 10 feet (3 mm in 3 m) nor vary at a rate greater than 1/16 inch/ft (1.5 mm/300 mm).

3.02 PREPARATION

- A. Fill cracks in substrate and smooth irregularities with filler; sand smooth.
- B. Wash impervious surfaces with tetra-sodium phosphate, rinse and neutralize; wipe dry.
- C. Surface Appurtenances: Remove or mask electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- D. Surfaces: Correct defects and clean surfaces that affect work of this section. Remove existing coatings that exhibit loose surface defects.
- E. Marks: Seal with shellac those that may bleed through surface finishes.
- F. Apply one coat of primer sealer to substrate surfaces. Allow to dry. Lightly sand smooth.
- G. Vacuum clean surfaces free of loose particles.

3.03 INSTALLATION

- A. Apply adhesive and wall covering in accordance with manufacturer's instructions.
- B. Razor trim edges on flat work table. Do not razor cut on gypsum board surfaces.
- C. Apply wall covering smooth, without wrinkles, gaps or overlaps. Eliminate air pockets and ensure full bond to substrate surface. Butt edges tightly.
- D. Horizontal seams are not acceptable.

- E. Do not seam within 2 inches (50 mm) of internal corners or within 6 inches (150 mm) of external corners.
- F. Install wall covering before installation of bases and items attached to or spaced slightly from wall surface.
- G. Do not install wall covering more than 1/4 inch (6 mm) below top of resilient base.
- H. Cover spaces above and below windows, above doors, in pattern sequence from roll.
- I. Where wall covering tucks into reveals, or metal wallboard or plaster stops, apply with contact adhesive within 6 inches (150 mm) of wall covering termination. Ensure full contact bond.
- J. Install termination trim.
- K. Remove excess adhesive while wet from seam before proceeding to next wall covering sheet. Wipe clean with dry cloth.

3.04 CLEANING

- A. Clean wall coverings of excess adhesive, dust, dirt, and other contaminants.
- B. Reinstall wall plates and accessories removed prior to work of this section.

3.05 PROTECTION

- A. Do not permit construction activities at or near finished wall covering areas.

END OF SECTION