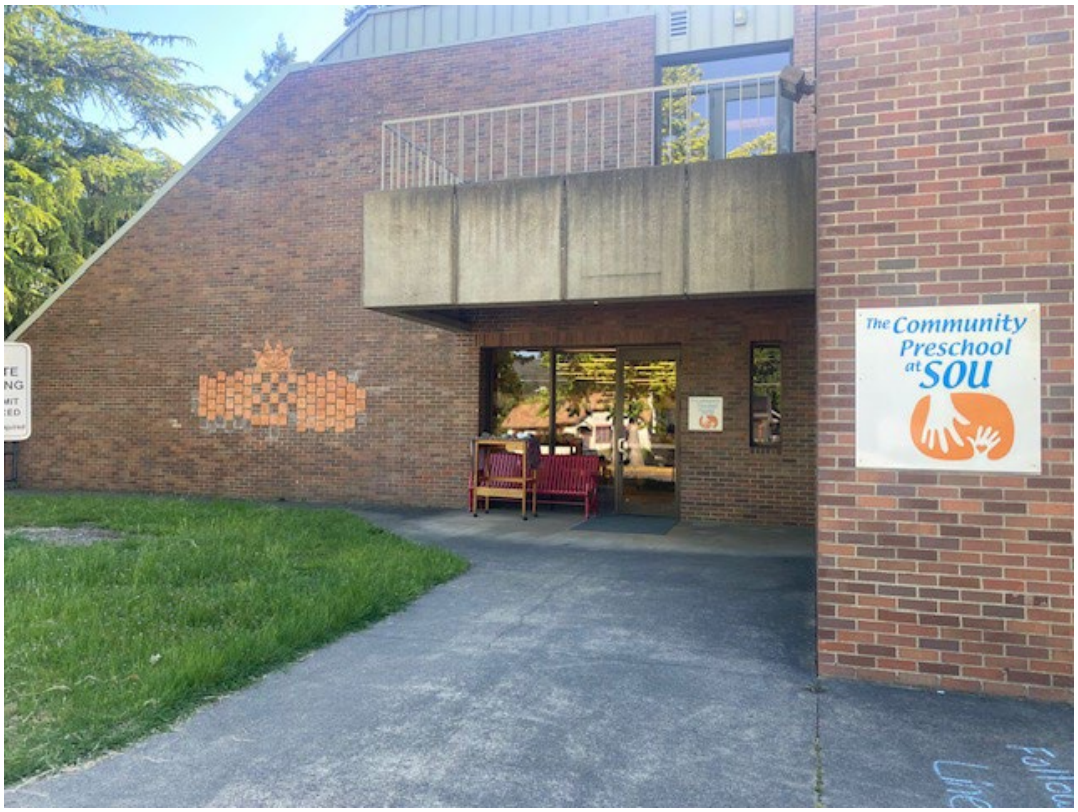
Education-Psychology
Pre-School Flooring Replacement

Attachment D
PROJECT MANUAL
ITB #2024-06



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Southern Oregon University
Facilities Management & Planning
351 Walker Avenue • Ashland, Oregon 97520
Phone 541-552-6231
Email mcnamaraj@sou.edu

SOUTHERN OREGON UNIVERSITY
ED-PSYCH PRE-SCHOOL FLOORING REPLACEMENT

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SELECTIVE DEMOLITION

PART 1 - GENERAL

1.1 SCOPE OF WORK

A. Perform selective demolition of existing floor coverings in preparation for installation of new floor coverings.

1.2 PRE-DEMOLITION CONFERENCE

B. Review procedures and coordination required with Owners ongoing operations.

1.3 ENVIRONMENTAL REQUIREMENTS

A. Maintain continuous weather protection of the building during demolition and abatement.
B. Maintain building security during the entire construction process.
C. Comply with all DEQ and OR-OSHA regulations.

1.4 SCHEDULING

A. Schedule all utility interruptions a minimum 48 hours in advance with SOU.
B. Schedule demolition work to coordinate with asbestos removal work. SOU will contract directly with an Abatement Contractor to remove ACM's.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Contractor is required to verify existing conditions prior to submitting a bid for this project.

3.2 GENERAL PROCEDURES AND PROJECT CONDITIONS

A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
   1 Perform Work in accordance with the City of Ashland Ordinances.
   2 Comply with the requirements of the insurance carriers providing coverage for this Work.
   3 Obtain required permits prior to the start of work.
   4 Comply with applicable requirements of NFPA 241.
   5 Provide, erect, and maintain temporary barriers and security devices.
   6 Use physical barriers to prevent access to work areas.
   7 Conduct operations to minimize effects on and interference with building occupants.

8 Do not close or obstruct roadways or sidewalks without prior approval from SOU.

9 Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time.

B. Do not begin operations until receipt of notification to proceed from SOU.

C. Protect existing structures and other elements that are not to be removed.

D. Floor mastic with ACM has been identified under the sheet vinyl at Vestibule 110. SOU will contract with an abatement contractor to remove the ACM mastic within the first 3 days of the construction period. The demolition contractor is required to coordinate their work to facilitate the abatement contractor's work.

E. If additional suspected hazardous materials are discovered during demolition operations, stop work and notify the SOU project manager. Hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.

3.3 EXISTING UTILITIES

A. All building services will remain operational throughout the project. Contractor to take all necessary precautions to conserve energy.

B. Contractor to protect fire alarm devices to prevent false alarms.

3.4 SELECTIVE DEMOLITION FOR ALTERATIONS

A. Remove existing floor coverings and base as indicated on the drawings.

1 Remove items indicated on drawings

D. Remove existing systems and equipment as indicated.

1. Perform cutting to accomplish removals neatly and as specified for cutting new Work.
2. Repair adjacent construction and finishes damaged during removal Work.
3. Patch as specified for patching new Work.

3.5 DEBRIS AND WASTE REMOVAL

A. Remove debris, and trash from site.

B. Remove from site all materials not to be reused on site.

C. Hazardous Waste: Separate, store, and dispose of hazardous wastes according to applicable local, state and federal regulations.

D. Leave site in clean condition, ready for subsequent Work.

END OF SECTION

SECTION 096513 RESILIENT BASE

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Resilient wall base.

B. Related Sections:
   1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 REFERENCES

A. ASTM International (ASTM) F1861 - Standard Specification for Resilient Wall Base.

B. Resilient Floor Covering Institute (RFCI) - FloorScore Certification Program.

1.3 SUBMITTALS

A. Submittals for Review:
   1. Samples: 4-inch-long samples in each color specified.
   2. Product Data

1.4 MAINTENANCE

A. Extra Materials: 25 linear feet of each profile and color.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers:
   1. Roppe Corp. (www.roppe.com)
   2. Johnsonite, Inc. (www.johnsonite.com)
   3. Armstrong World Industries. (www.armstrong.com)
   4. Burke Flooring. (www.burkeflooring.com)

B. Substitutions: Under provisions of Division 01.

2.2 MATERIALS

A. Resilient Base:
   1. Type: ASTM F1861, thermoset vulcanized rubber.
   2. Thickness: 0.125 inch.
   3. Profile: Coved.
   4. Height: 4 inches. See Finish Schedule for locations.
   5. Length: 120-foot rolls.
   6. Color: To be selected from manufacturer's full color range.
   7. Finish: Satin.
   8. End units: Preformed; profile, size, and color to match base.
   9. Locations: Install new rubber base at same locations as existing base.

2.3 ACCESSORIES

A. Adhesive:
   1. Water based, waterproof, recommended by base manufacturer.
   2. Maximum volatile organic compound (VOC) content: 50 grams per liter.

PART 3 EXECUTION

3.1 PREPARATION

A. Prepare surfaces to receive base:
   1. Remove materials that could interfere with adhesion.
   2. Fill low spots with patching compound; finish flush with adjacent surface.
   3. Remove high spots, ridges and nibs.

3.2 INSTALLATION

A. Apply adhesive continuously to back of base.
B. Maintain top edge true to line and bottom edge in continuous contact with floor. Butt joints tight; butt base tight to adjacent construction.
C. Base to run from building corner to building corner, unless interrupted by opening or cabinetry. Do not install multiple pieces on same wall.
D. Miter and butt inside corners.
E. At outside corners “V” cut back of base to 2/3 of its thickness and bend around corner.
F. At exposed ends, install pre-molded units.
G. Scribe to door frames and other interruptions.

END OF SECTION

SECTION 096516 RESILIENT TILE FLOORING

PART 1 GENERAL

1.1 SUMMARY

A. Section includes:
   1. Vinyl Composition Tile flooring

1.2 REFERENCES

A. American Society for Testing and Materials:
   1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
   2. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source.
   3. ASTM E662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
   4. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile.

B. National Fire Protection Association:
   1. NFPA 253 - Standard Method of Test for Critical Radiant Flux for Floor Covering Systems Using a Radiant Heat Energy Source.

1.3 SUBMITTALS

A. Shop Drawings: Not required for this project.

B. Product Data: Submit data describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.

C. Samples:
   1. Submit duplicate sets of manufacturer's complete set of color samples for initial selection.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: Submit maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.5 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

B. Installer: Company specializing in performing Work of this section with minimum three years documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Protect materials prior to installation. Store indoors in the original packaging.

1.7 ENVIRONMENTAL REQUIREMENTS

A. Maintain temperature in storage area between 55 degrees F and 90 degrees F.

B. Store materials for not less than 48 hours prior to installation in area of installation at temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

1.8 EXTRA MATERIALS

A. Furnish one full box of field color for each flooring material type.

PART 2 PRODUCTS

2.1 MATERIALS

A. Manufacturers:

1. Armstrong World Industries. www.armstrongfloors.com
2. Roppe Corp. www.roppe.com
3. Substitution Requests: Submit prior to bid

B. **VCT Basis-of-Design::**
Armstrong Vinyl Composition Tile
Premium Standard Excelon Imperial Texture
Size: 12" x12".
Thickness: 1/8 inch.
Color: Fortress White 51839

2.2 ACCESSORIES

A. Subfloor Filler: Premix latex; type recommended by adhesive material manufacturer.

B. Primers and Adhesives: Waterproof; types recommended by flooring manufacturer.

C. Transition Strips and Edge Strips: Pre-molded rubber trim manufactured by Armstrong or approved. Type and color selected by SOU from manufacturer's standard colors.

D. Feature Strips: Of same material as flooring, as detailed

F. Sealer and Wax: Types recommended by flooring manufacturer. Sealing & waxing by SOU

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify existing conditions before starting Work. Coordinate work with Owner's schedule.

B. Verify concrete floors are dry to maximum moisture content as recommended by manufacturer, and exhibit negative alkalinity, carbonization, and dusting.

C. Verify floor and lower wall surfaces are free of substances capable of impairing adhesion of new adhesive and finish materials.

3.2 PREPARATION

A. 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.

B. Prohibit traffic until filler is cured.

C. Clean substrate.

D. Apply primer as required to prevent "bleed-thru" or interference with adhesion by substances which cannot be removed.

3.3 INSTALLATION - VINYL COMPOSITION TILE FLOORING

A. Mix tile from container to ensure shade variations are consistent when tile is placed.

B. Lay flooring with joints and seams parallel to building lines to produce approved tile pattern.

C. Install tile to patterns shown. Allow minimum ½ full size tile width at room or area perimeter.

D. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

E. Where floor finishes are different on opposite sides of door, terminate flooring under centerline of door.

F. Install rubber edge strips at unprotected or exposed edges, where flooring terminates, and where indicated. Secure rubber strips before installation of flooring with adhesive.

G. At movable partitions, install flooring under partitions without interrupting floor pattern.

H. Install feature strips and floor markings where indicated. Fit joints tightly.

3.4 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.

B. Clean and maintain resilient flooring products. Sealing and waxing will be by SOU.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

A. Protect installed construction.

B. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

SECTION 096813 TILE CARPETING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Tile carpeting.
   2. Edgings.

B. Related Sections:
   1. Section 09516 – Resilient Tile Flooring
   2. Section 096513 - Resilient Base.

1.2 REFERENCES

A. ASTM International (ASTM):
   1. D2859 - Standard Test Method for Flammability of Finished Textile Floor Covering Materials.
   2. D4258 - Standard Practice for Surface Cleaning Concrete for Coating.
   3. E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
   4. E648 - Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
   5. E662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
   6. F710 - Standard Practice for Preparing Concrete to Receive Resilient Flooring.
   7. F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
   8. F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.

B. Carpet and Rug Institute (CRI):
   1. 104 - Standard for Installation Specification of Commercial Carpet.
   2. Indoor Air Quality Testing Program.

C. National Fire Protection Association (NFPA) 253 - Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.

1.3 SUBMITTALS

A. Submittals for Review:
   1. Shop Drawings: Indicate carpet tile locations, dye lot limitations, direction of carpet tile in each room or area, and type and location of edgings.
   2. Samples:
      a. Carpet tile: Full size samples of each color.
   3. Warranty: Sample warranty form.

B. Quality Control Submittals:
   1. Certificates of Compliance: Certification from an independent testing laboratory that carpet tiles meet fire hazard classification requirements.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 10 years documented experience in work of this Section.

B. Fire Hazard Classification: Pass flammability requirements of ASTM D2859.

1.5 PROJECT CONDITIONS

A. Do not begin installation until substrate has been prepped and cured.

B. Environmental Requirements:
   1. Temperature of spaces and subfloor between 65 and 90 degrees F.
   2. Humidity in spaces to receive carpet tiles between 20 and 65 percent.

1.6 WARRANTIES

A. Furnish manufacturer's 15-year warranty providing coverage against:
   1. Defective materials and workmanship.
   2. Excessive fading.
   3. Loss of static control.
   4. Edge raveling.
   5. Runs.
   6. Loss of tuft bind strength.
   7. Loss of face fiber.
   8. Excessive wear.

1.7 MAINTENANCE

A. Extra Materials: 4 unopened cartons of each tile type.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturers - Carpet Tiles:
   1. Philadelphia Commercial

B. Substitution Requests: Submit prior to bid.

2.2 MATERIALS

A. Carpet Tile 1 (CPT-1):
   1. Source: **Philadelphia Commercial: Style: "CHANGE IN ATTITUDE TL" Collection, Color: "Lighten Up" #12205.**
   2. Construction: Multi-level Pattern Loop.
   3. Fiber: 100% Eco Solution Q100 Nylon.
   4. Dye Method: Solution Dyed/Space Dyed.
   5. Backing: Synthetic.
   6. Traffic Rating: Severe
   7. Protective Treatment: SSP Protective Treatments
   8. Size: 24" x 24"

9. Gauge: 1/10
10. Stiches: 10 per inch
11. Finished Pile Thickness: 0.117
12. Average Density: 8000 oz/yd
13. Total Thickness: 0.282
14. Tufted Weight: 16.0 oz/yd
15. Color: Change-In-Attitude “Lighten Up” #12205.

2.3 ACCESSORIES

A. Primer: as approved by carpet manufacturer.
B. Tile Connectors: Per manufacturers recommendation.
C. Edgings: Preformed rubber or approved substitute, profile required to suit conditions, color to be selected from manufacturer's full color range.

PART 3 EXECUTION

3.1 PREPARATION

A. Clean substrate; remove loose and foreign matter that could impede adhesion or performance of flooring.
B. Repair loose or broken boards. Secure with 8D cement-coated screw nails
C. Fill cracks, voids, and depressions with patching compound approved by carpet manufacturer. D. Sand ridges and high spots smooth.
E. Test Substrate:
    1. Moisture vapor: Test to ASTM F1869; do not install carpet tiles until moisture emission level is acceptable to carpet tile manufacturer.
    2. Humidity: Test to ASTM F2170; do not install carpet tiles until relative humidity is acceptable to carpet tile manufacturer.
    3. Alkalinity: Test to ASTM F710; do not install carpet tiles unless pH is acceptable to carpet tile manufacturer.

3.2 INSTALLATION OF CARPET TILES

A. A. Install in accordance with CRI 104.
B. Install carpet tile in accordance with manufacturers' instructions.
C. Blend carpet tiles from different cartons to ensure minimal variation in color match.
D. Lay out each room or area to minimize tiles less than one half size.
E. Cut tile clean. Fit tiles tight to intersection with vertical surfaces without gaps.
F. Lay carpet tile using “Quarter Turn” pattern.

3.3 INSTALLATION OF EDGINGS

A. Install transition strips where carpet tiles abut dissimilar flooring materials; secure to subfloor.
B. Center strips under doors where carpet tiles terminate at door openings.
C. Install in longest practical lengths; butt ends tight.
D. Scribe to abutting surfaces.

3.4 CLEANING

A. Clean spots as recommended by carpet tile manufacturer.
B. Cut off loose threads flush with top surface.
C. Clean with commercial vacuum cleaner.

END OF SECTION