b. Substitutions will not be evaluated until after the bidding phase. Submit a "Substitution Request" form (CSI Form 13.1A) in accordance with General Conditions.
4. Special Finish: Light sandblasting or etching on one side of glazing in locations shown on drawings

I. Glazing Accessories
1. Provide glazing gaskets, glazing sealants, glazing tapes, setting blocks, spacers, edge blocks, and other glazing accessories that are compatible with glazing products and each other and are approved by testing agencies that listed and labeled fire-resistant glazing products with which products are used for applications and fire-protection ratings indicated.
2. Glazing Sealants for Fire-Rated Glazing Products: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 50, Use NT. Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated.
   a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      i. Dow Corning Corporation
      ii. GE Construction Sealants; Momentive Performance Materials
      iii. Tremco Incorporated

J. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800 for products indicated below.

K. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types
1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

L. Fire Resistance -Rated Glazing Schedule
1. Glass Type: 60-minute fire-resistance-rated glazing with 450 deg F (250 deg C) temperature-rise limitation; laminated glass with intumescent interlayers, or double glazing units with clear gel fill.

DIVISION 09: FINISHES

092900 - GYPSUM BOARD:

A. Project includes:
1. Gypsum Board Assemblies: interior walls and ceilings for tape and joint compound finish
2. Metal stud framing system to receive gypsum board.

B. General:
1. Repair holes in gypsum board, including where wall and counter demolition occurs and electrical and communication devices are removed.
2. Provide new gypsum board and finish for walls and ceilings as noted.
3. Refinish existing walls where damaged, affected by new Work, or not consistent with specified finish. Refinish entire length of walls affected by this work. Spot patching will not be acceptable.

C. Materials and Accessories:
1. 5/8" thick, Type 'X', tapered edges.
2. Galvanized accessories, including but not limited to 'L' metal and corner beads.
3. Extruded aluminum reveal moldings
   a. Anodized finish: Architectural 200R1 medium etch (AA-M32c10A21), clear color. Thickness of coating tested in accord with ASTM B244-97 and sealed to pass ASTM B136-84 (1998)
   b. Acceptable product: Fry Reglet – "F" Reveal molding.
      i. Number DRMF.
      ii. Dimensions as indicated on drawings

D. Installation:
1. Screw attach all gypsum board.
2. Tape and provide three coat finish of all joints, corners and repairs.
3. Remove texture and re-finish entire length of any wall affected by this project.
4. GWB finishes to Match Existing.

E. Metal framing systems
1. Materials:
   a. Metal wall studs (Typical): Galvanized, 3-5/8" or 6", 20 gauge at maximum 16" O.C. or as shown on Structural Drawings.
   b. Steel framing for suspended or furred ceilings: 20-gauge standard and resilient channels.

095113 - ACOUSTICAL PANEL CEILINGS

A Project includes: Acoustical lay in panel ceilings, trim and exposed metal suspension systems for ceilings.

B. Quality Assurance: Fire, structural, and seismic performance meeting requirements of building code and local authorities. Ceiling grid shall be installed per IBC categories D, E, and F for severe seismic activity.

C. Submittals:
1. Product Data: For each type of product indicated.
2. Samples: Provide 3 samples of each material. Submit prior to ordering materials.
   a. Acoustical panels. Set of 6 inch square samples of each type, color, pattern and texture.
   b. Exposed Suspension System Members, Moldings, and Trim. Set of 6-inch-long samples of each type, finish and color.
3. Maintenance Data for finishes to include in maintenance manuals.
4. Coordination drawings: Reflected ceiling plans drawn to scale showing the following and coordinated with each other:
   a. Suspended ceiling components, structural members to which suspension systems will attach; size and location of initial modules; perimeter moldings; items penetrating finished ceiling including: light fixtures, air outlets and inlets, speakers, sprinklers, access panels.

D. Maintenance Materials: Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels. Furnish full size panels equal to 2 percent of quantity installed.

E. Performance Requirements:
1. Seismic Performance: Acoustical ceiling shall withstand the effects of earthquake motions determined according to ASCE/SEI7.
2. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency.
   a. Flame-Spread Index: Comply with ASTM E 1264 for Class A materials
   b. Smoke-Developed Index: 50 or less.

F. Ceiling Products:
1. Basis of Design: Armstrong, "Mesa". Ceiling panels; 24"x24" x ¾"; square edge lay-in, fine fissured non-directional; mineral based. Color: White.
2. Metal Suspension System Members: manufacturer's standard direct hung metal suspension systems complying with ASTM C635. Basis of Design, Armstrong Prelude XL. Cap face finish color: White.
3. Attachment devices: Sized for five times the design load indicated in ASTM C635 Table1 "Direct Hung", and comply with seismic design requirements.
4. Wire Hangers: Wire diameter sized for three times the design load indicated in ASTM C635 Table1 "Direct Hung".
5. Hanger Rods, angle hangers, seismic stabilizer bars, seismic clips, braces, and ties for a complete system.
6. Moldings, and Trim: At suspended clouds - Basis of Design: Armstrong Axiom trim, 6-inch high curved with supportive backing.
7. Acoustic Sealant: Manufacturer's standard sealant for exposed and concealed joints' Non-sag, paintable, non-staining latex sealant.

096513 – RESILIENT BASE AND FLOORING TRANSITIONS

A. Submittals:
1. Product Data: For each type of product indicated.
2. Samples: Provide 3 samples of each material. Submit prior to ordering materials.

B. Quality Assurance:
1. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
   a. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

C. Rubber Base Materials:
1. Resilient Base Standard: ASTM F 1861.
   a. Material Requirement: Rubber, Type TP (Rubber, Thermoplastic)
   b. Gauge: .080
   c. Style: Cove – match height of existing base cove, UNO.
2. Lengths: Coils in manufacturer's standard length.
3. Outside Corners: Job formed or preformed.
4. Inside Corners: Job formed or preformed.
5. Finish: Smooth matte.
6. Colors and Patterns: To be selected by Architect from manufacturer's full range

D. Resilient Flooring Transitions:
1. Material Requirement: Type TP (rubber thermoplastic).
2. Surface Design: Smooth

096516 – RESILIENT TILE FLOORING

A. Project includes solid vinyl floor tile (plank) – **LVP-1**.

B. Submittals:
1. Product Data: For each type of product indicated.
2. Maintenance Data for maintenance manuals.
3. Samples: Provide 3 samples of each material. Submit prior to ordering materials.

B Fire performance meeting requirements of building code.

C. Solid Vinyl Floor Tile Materials:
1. General: the manufacture listed is to establish a standard of function and quality. Subject to compliance with requirements, provide products indicated or an approve equal product. Substitutions will not be evaluated until after the bidding phase. Submit a "Substitution Request" form (CSI Form 13.1A) in accordance with General Conditions.
2. Basis of Design Product: Shaw Style "Solitude 0648V" color Urban Ash #48540
3. Tile Standard: ASTM F 1700; High performance luxury vinyl tile; Class III, printed film vinyl tile; Type B embossed surface.
   a. Nominal dimensions 6" wide, 48" long. Wear layer thickness - 0.020 inches
   b. Overall thickness - 0.197 inches
   c. Finish – ExoGuard
   d. Installation method – glue down – Staggered
   e. Recommended adhesive – Shaw 4100 or S150
   f. Slip resistance – passes ASTM D2047
   g. Static load – 1500 psi
   h. Radiant panel – Class 1 ASTM 648
   i. Nbs smoke - <450 ASTM E662
   j. 10-year commercial warranty

D. Installation
1. Install per manufactures recommendations.
2. Lay out floor tiles from center marks established with principal walls. Adjust to avoid using cut widths that equal less than on-half tile at perimeter. Lay tiles in pattern indicated.

STATE OF ALASKA 49TH
CHARLES M. BANISTER
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3/15/17

KUMIN
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Weidner Classroom Remodel - #17-0033
3416 Seawolf Drive Anchorage, AK
University of Alaska Anchorage

No.	Description	Date

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