PART 1 – GENERAL

1.1 Summary
   a. 20-year manufacturer warranty required for all damp proofing and waterproofing; from date of Substantial Completion.
   b. 2-year installation warranty required for all damp proofing and waterproofing; from date of Substantial Completion.

1.2 Submittals
   a. Not applicable.

1.3 Qualifications
   a. Not applicable.

PART 2 – PRODUCTS

2.1 Materials
   a. Not applicable.

PART 3 – EXECUTION

3.1 Installation
   a. Damp proofing and/or Waterproofing at footing and foundation walls:
      • Extend on outside faces of footings.
      • Extend onto intersecting walls and footings, but do not extend onto surfaces expose to view at project completion.
   b. Install flashings and corner protection at all corners, changes in plane, construction joints, and cracks.
   c. Overlap and/or reinforce and seal material at joints and ends.
   d. Install appropriate terminations at all edges with counter-flashings over all exposed edges.
   e. Seal all penetrations through membrane, sheet, etc. watertight.

3.2 Interface with other products
   a. Not applicable.

3.3 Testing
   a. All concealed membranes require third party inspection prior to covering with another material.

3.4 Training
   a. Not applicable.
PART 1 – GENERAL

1.1 Summary
   a. Not applicable.

1.2 Submittals
   a. Not applicable.

1.3 Qualifications
   a. Not applicable.

PART 2 – PRODUCTS

2.1 Materials
   b. Target R-21 or greater. Minimum acceptable R-19

PART 3 – EXECUTION

3.1 Installation
   a. No fiberglass batt insulation at removable ceilings.

3.2 Interface with other products
   a. Not applicable.

3.3 Testing
   a. Not applicable.

3.4 Training
   a. Not applicable.
PART 1 – GENERAL

1.1 Summary
   a. CPFM maintains a survey database of all roofs on campus that shall be utilized in all design efforts.
   b. Ice blocking is required over building entries and perimeter walkways when cover/canopy structure slopes towards entries or walks below.

1.2 Submittals
   a. Materials that carry less than a 30-year warranty must be approved through UO Substitution Request.

1.3 Qualifications
   a. All materials to carry 30-year warranty, established from the date of Substantial Completion.
   b. 2-year minimum installation warranty required for all membrane roofing systems, established from the date of Substantial Completion.
   c. Warranties to require that water damage to any other building component and/or building contents due to product defect and/or incorrect installation be corrected at no cost to the UO.

PART 2 – PRODUCTS

2.1 Materials
   a. Wood shingles for historic preservation use only. Requires approval through UO Substitution Request.
   b. Tile roofing typically not used on campus, requires approval through UO Substitution Request.

PART 3 – EXECUTION

3.1 Installation
   a. Not applicable.

3.2 Interface with other products
   a. No downspouts from gutters shall run internal to a building without approval.
   b. Minimum 3 inch downspouts and rain leaders required from all roof drains and gutters.

3.3 Testing
   a. Not applicable.

3.4 Training
   a. Not applicable.
PART 1 – GENERAL

1.1 Summary
   a. Rain Screen System product warranty of 25 years. Warranty to include replacement of rain screen system along with all other associated components/damage at no cost to Owner.
   b. Installation warranty of 2 years. Warranty to include repair of rain screen system along with all other associated components/damage at no cost to Owner.

1.2 Submittals
   a. Rain Screen Systems require mock-up testing prior to installation.

1.3 Qualifications
   a. Rain Screen System Installer: Personnel installing the products shall provide evidence of factory training and certification. Certification of individuals is required, not just certification of installing contactor.

PART 2 – PRODUCTS

2.1 Materials
   a. No vinyl siding
   b. No Dryvit systems
   c. Vertical panel systems require rubber gaskets and/or sealed fasteners within fastening methods and assembly.
   d. Vertical panel systems shall not compromise the R value of building insulation.
   e. Rain Screen System shall be previously tested and detailed by the systems supplier.

PART 3 – EXECUTION

3.1 Installation
   a. Not applicable.

3.2 Interface with other products
   a. Not applicable.

3.3 Testing
   a. Rain Screen Systems require third party on-site inspection on the installed system.

3.4 Training
   a. Not applicable.
PART 1 – GENERAL

1.1 Summary
   a. CPFM maintains a survey database of all roofs on campus that shall be utilized in all design efforts.
   b. Replacement of existing roof membrane systems shall eliminate use of ballast style systems.

1.2 Submittals
   a. Hot-mopping is not generally allowed on campus. For specific circumstances, approval may be provided through submission of UO Substitution Request.
   b. Ballasted membrane systems are not generally allowed on campus. For specific circumstances, approval may be provided through submission of UO Substitution Request.
   c. Green roofing strategies must be approved through submission of UO Substitution Request.
   d. Materials that carry less than a 30-year warranty must be approved through UO Substitution Request.

1.3 Qualifications
   a. Not applicable.

PART 2 – PRODUCTS

2.1 Materials
   a. All materials to carry 30-year warranty, established from the date of Substantial Completion.
   b. 2-year minimum installation warranty required for all membrane roofing systems, established from the date of Substantial Completion.
   c. Warranties to require that water damage to any other building component and/or building contents due to product defect and/or incorrect installation be corrected at no cost to the UO.
   d. Acceptable Materials:
      • 3-ply built-up bituminous
      • Cold-process bituminous roofing
      • Reinforced PVC single-ply membrane
      • TPO single-ply membrane
      • No EPDM roofing.
   e. Reflective materials are to be used when possible; white vs. black.
   f. Green roofing strategies require prior approval, per above. If approved:
      • No soil may be in contact with roofing membranes.
      • Soil must be contained within moveable units to access the membrane and the deck.
      • The weight of one unit must be safely removable and/or moveable by 1 individual.
      • Contractor is required to perform removal and replacement of the green roof system in order to access and repair warranty items.
PART 3 – EXECUTION

3.1 Installation
   a. Mechanically attached and/or fully adhered systems are acceptable. Avoid use of ballasted membrane systems.

3.2 Interface with other products
   a. Provide walk pads from point of roof access to all items requiring routine maintenance or access.
   b. No downspouts from gutters shall run internal to a building without approval.
   c. Minimum 3-inch downspouts and rain leaders required from all roof drains and gutters.

3.3 Testing
   a. All concealed membranes require third party inspection prior to covering with another material.

3.4 Training
   a. Not applicable.
PART 1 – GENERAL

1.1 Summary
   a. 5-year manufacturer and installation warranty required for all flashing; from date of Substantial Completion.
   b. Warranty required to replace system along with all other associated components/damage at no cost to Owner.
   c. Quality Requirements:
      • Design, fabricate, and install sheet metal work in accordance with Sheet Metal and Air Conditioning Contractor’s National Association, Inc. (SMACNA) Architectural Sheet Metal Manual.
      • Design, fabricate, and install flashings at edges of roof for 100mph wind uplift. Ensure that substrate specification and installation is in compliance.
      • Design, fabricate, and install with allowance for thermal movements from the maximum change in ambient and surface temperatures.
   d. Provide clips that resist rotation and avoid shear stress as a result of thermal movement.

1.2 Submittals
   a. Not applicable.

1.3 Qualifications
   a. Not applicable.

PART 2 – PRODUCTS

2.1 Materials
   a. 2-piece flashing system required at a minimum.
   b. Kynar or electrostatic painted metal flashings only. No shop or field painted flashings.

PART 3 – EXECUTION

3.1 Installation
   a. Not applicable.

3.2 Interface with other products
   a. Flashing is required at all window lintels and sills.
   b. Head flashing is required at all penetrations, openings, etc. through the exterior skin of the building.

3.3 Testing
   a. All concealed membranes require third-party inspection prior to covering with another material.

3.4 Training
   a. Not applicable.