

SECTION 07 55 00 - LOW SLOPE MEMBRANE ROOFING

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide low slope membrane roofing system with base and cap flashings, profile floor drains, insulation, roof deck board and accessories for complete, weather-tight installation.
1.2 ADMINISTRATIVE REQUIREMENTS
A. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this section.
1.3 SUBMITTALS
A. Product Data: Submit membrane manufacturer's literature for membrane and base flashing materials, provide specific recommendations of insulation system manufacturer.
1.4 QUALITY ASSURANCE
A. Qualification of Installer: Company with minimum five years successful experience in membrane roof application on projects of similar scope.

PART 3 - EXECUTION

- 3.1 PREPARATION
A. Verify deck is dry, clean and smooth, free of depressions, waves and protrusions detrimental to roofing membrane, and properly sloped for drainage.
3.2 INSTALLATION
A. Install membrane roofing system in accordance with manufacturer's recommendations and instructions and as required to meet requirements for warranty and applicable codes.
3.3 FIELD QUALITY CONTROL
A. Site Tests: Perform field tests if details are revealed, repair and repeat. Roof test if defects are revealed.

END OF SECTION

SECTION 07 60 00 - FLASHING AND SHEET METAL

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide metal flashing and sheet metal including accessories as required for complete watertight installation.

- 1. Flashing and sheet metal includes gutters, downspouts, rainwater leaders, reglets, and similar components.
2. Provide concealed sealants used in conjunction with installation of metal flashing and sheet metal.
3. Provide miscellaneous sheet metal flashing and reglets not provided by other trades or suppliers.
1.2 REFERENCES
A. Sheet Metal and Air Conditioning Contractors National Association (SMACNA): Architectural Sheet Metal Manual.
1.3 SUBMITTALS
A. Product Data: Furnish literature for manufactured products.
1.4 WARRANTY
A. Special Warranty: Provide written extended 10-year warranty for fabricated sheet metal and flashing work agreeing to repair or replace work that fails in materials or workmanship.

PART 2 - PRODUCTS

- 2.1 MATERIALS
A. System Description: Provide flashing and sheet metal including reglets and accessories.
B. Design Criteria: Allow for movement of components without causing buckling, failure of joint seals, undue stress on fasteners or other detrimental effects, when subject to 100 year seasonal temperature ranges.
C. Flashing and Sheet Metal:
1. Galvanized Steel: ASTM A924 and A653 G90 galvanized steel, minimum 24 gage.
2. Aluminum and Zinc Alloy Coated Steel Flashing and Sheet Metal: Aluminum-zinc coated steel, ASTM A792, AZ55 coating, minimum 24 gage steel; coating to contain 55% aluminum, 43.5% zinc, and 1.5% silicon, or 55% aluminum and 45% zinc such as Galvalume, Zincalume, or Zinco-Alum.
3. Lead Flashing (Do Not Use in California): ASTM B749, type L51121, copper-bearing sheet lead, minimum four pound per square foot (1/16" thick) lead with 6% to 7% antimony content, only at ferrous roof penetrations.

- 2.2 FABRICATION
A. Fabricate sheet metal in accordance with SMACNA Architectural Sheet Metal Manual.
B. Form sections square, true and accurate to size, free from distortion and other defects detrimental to appearance or performance.
C. Form sections in maximum 10'-0" lengths; make allowance for expansion at joints.
D. Hem exposed edges on underside 1/2".
E. Back-pat flashings with bituminous paint where in contact with cementitious materials or dissimilar metals.

- 3.1 INSTALLATION
A. Install metal flashing and sheet metal in accordance with SMACNA Architectural Sheet Metal Manual.
1. Install tight in place, with corners square, surfaces true and straight in planes, and lines accurate to profiles as indicated on Drawings.
2. Hold downspouts in position, clear of wall, by hangers spaced not more than 10', 0" on center; securely fasten hangers to wall without exposed damage to wall surface.
B. Exercise care when cutting materials on site, to ensure cuttings do not remain on finished surfaces.
C. Provide expansion joints concealed within system.
D. Use concealed fasteners, continuous cleat type, except where specifically approved by Architect.

- 3.2 CLEANING
A. Remove roofing membrane markings from finished surfaces.
B. In areas where finished surfaces are soiled by bitumen or other source of soiling caused by roofing work, consult manufacturer of finished surfaces for recommended cleaning methods.
C. Leave completed roof free from debris and uniform in appearance.
END OF SECTION

SECTION 07 84 00 - FIRESTOPPING

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide firestopping as required to maintain effective barrier against spread of flame, smoke and gases, and to retain integrity of time-rated construction as indicated and at following types or locations.
1. Provide at fire rated system perimeters, and at duct, conduit, piping penetrations through time-rated construction, and as required by applicable codes.
2. Coordinate requirements for firestopping with work involving penetrations through fire rated assemblies.
3. Review Project and Contract Documents to ascertain extent of penetrations in fire rated assemblies and methods included in other sections for maintaining fire ratings.
1.2 ADMINISTRATIVE REQUIREMENTS
A. Coordination: Coordinate firestopping with fire rated assemblies and penetrations through fire rated assemblies to ensure compliance with applicable codes and regulations to maintain integrity of fire rated assemblies.
1.3 SUBMITTALS
A. Product Data: Submit manufacturer's literature including data for materials and prefabricated devices, including descriptions sufficient to identify materials and devices on job.
2. Deferred Approvals: Submit data necessary for applicable authorities for each type of firestopping required including firestopping at fire rated assembly junctures, and penetrations through fire rated assemblies.
B. Shop Drawings: Submit manufacturer's installation details.
C. Certificates of Compliance: Submit manufacturer's certificates, accompanied by classifications, indicating material or combination of materials used meets requirements specified for flame spread and fire resistance.

- 1.4 DELIVERY, STORAGE, AND HANDLING
A. Deliver materials in their original unopened packages and store in location providing protection from damage and exposure to elements. Damaged or deteriorated materials shall be removed from site.

PART 2 - PRODUCTS

- 2.1 SYSTEM MANUFACTURERS
A. 3M Fire Protection Products Div./3M Fire Barrier Products, Specified Technol, Inc. (3T)/SpecSeal and Pensil Firestopping; Hilti, Corp./Hilti Firestop Systems.
2.2 MATERIALS
A. System Description: Provide firestopping as required to maintain effective barrier against spread of flame, smoke and gases, and to retain integrity of time-rated construction.
1. Choose products and methods meeting applicable codes and Specification requirements for each firestopping application, subject to Architect's acceptance.
B. Regulatory Requirements: Comply with applicable building code requirements for firestopping, including both F Ratings and T Ratings as applicable.
C. Design Requirements: Provide materials tested in accordance with following standards, unless otherwise specified.
1. ASTM E84, Surface Burning Characteristics of Building Materials.
2. ASTM E119, Fire Tests of Building Construction and Materials.
3. ASTM E814, Fire Tests of Through-Penetration Fire Stops.
4. ASTM E1966, Test Method for Fire-Resistive Joint Systems.
D. Firestopping Materials: Furnish materials for penetrations in time-rated floor, wall, and partition assemblies capable of preventing passage of flame, smoke, and hot gases.
1. Penetration Test: Furnish materials passing ASTM E814 or E1966 for penetration fire stopping indicating maintenance of time-rated adjacent assemblies.
2. Additional Tests: Where required by applicable authorities, provide materials passing ASTM E119 time-temperature fire conditions for fire ratings indicated for assemblies.
3. Flame Spread: ASTM E84 flame spread rating of 25 or less.
4. Smoke Density: ASTM E84 smoke density rating of 450 or less.
E. Firestopping: Maintain fire rating of assembly in which firestopping is installed, such as floor, partition, or wall, in accordance with ASTM E119 tests.

- 3.1 EXAMINATION
A. Examine surfaces and conditions receiving or affecting the work. Do not proceed until unsuitable conditions are corrected.
3.2 INSTALLATION
A. Install firestopping in accordance with manufacturer's recommendations and installation instructions.
B. Completely fill void space with firestopping materials regardless of geometric configuration, subject to tolerances established by firestopping manufacturer.
C. Apply firestopping materials at penetrations of pipes, conduits, and ducts prior to application of insulation.
1. Remove insulation already in place at penetration prior to application of firestopping materials unless insulation meets requirements for fire ratings indicated.
3.3 FIELD QUALITY CONTROL
A. Inspection: Keep area of work available for inspection by Architect and applicable authorities before and after application of firestopping.
3.4 REPAIR AND CLEAN-UP
A. Repair damage caused by work of this section, clean exposed surfaces soiled by work and leave work ready to receive following work.
B. On completion of work, remove debris, excess materials, and equipment from site.
END OF SECTION

SECTION 07 90 00 - JOINT SEALANTS

PART 1 - GENERAL

- 1.1 SUMMARY
A. Section Includes: Provide joint sealants, for interior and exterior joints not specified elsewhere, with backing rods and accessories as required for complete installation.
1. Joint sealants include joint sealers and caulking as indicated.
1.2 SUBMITTALS
A. Product Data: Furnish manufacturer's descriptive literature.
B. Samples: Furnish samples of each type of exposed joint sealer in full range of manufacturer's colors.
C. Certifications:
1. Furnish manufacturer's certification joint sealers comply with Contract Documents and are suitable for Project applications.
2. Furnish certification indicating installers are trained in proper use of specified products, qualified, and familiar with proper installation techniques.
1.3 QUALITY ASSURANCE
A. Installer Qualifications: Firm with minimum five years successful experience on projects of similar type and size, using specified products.
1. Installers shall be familiar with proper application procedure to ensure maximum joint sealer expansion and contraction capabilities.
B. Mock-Up: Provide exterior joint sealers where required for mock-up of other systems.
1. Submit Underwriter's Laboratory approval numbers for required fire ratings, approval of other laboratories contingent upon acceptance of applicable authorities.
2. Deferred Approvals: Submit data necessary for applicable authorities for each type of firestopping required including firestopping at fire rated assembly junctures, and penetrations through fire rated assemblies.
B. Shop Drawings: Submit manufacturer's installation details.
C. Certificates of Compliance: Submit manufacturer's certificates, accompanied by classifications, indicating material or combination of materials used meets requirements specified for flame spread and fire resistance.
1. Certificates to be supported by test reports by internationally recognized agency satisfactory to authorities.
D. Manufacturer's Instructions: Maintain copy of manufacturer's instructions and recommendations at each work area.

- 1.4 DELIVERY, STORAGE, AND HANDLING
A. Deliver materials in their original unopened packages and store in location providing protection from damage and exposure to elements. Damaged or deteriorated materials shall be removed from site.

PART 2 - PRODUCTS

- 2.1 SYSTEM DESCRIPTION
A. System Description: Provide joint sealants with backing rods and accessories.
B. Performance Requirements:
1. Select materials for compatibility with joint surfaces and indicated exposures.
2. Where not indicated, select modulus of elasticity and hardness or grade recommended by manufacturer for each application indicated.
C. Regulatory Requirements: Comply with applicable regulatory requirements regarding limitations on volatile organic compound (VOC) emissions limitations.
D. Single Component Low Modulus Silicone Sealant: ASTM C920 Type S, Class 25, Grade NS; minimum 50% expansion and compaction capability.
1. Provide at exterior locations not exposed to traffic.
2. Manufacturers: General Electric Co./Silpruf, Silgraf or GESIL, Dow Corning Corp./790 or 795; Pecora Corp./864 Architectural Silicone; Tremco/Spectrum 3.
E. Multi-Component Polyurethane Sealant: ASTM C920, Type M, Grade P, Class 25, self-leveling; minimum 25% expansion and compaction capability.
1. Provide at traffic bearing locations.
2. Manufacturers: Pecora Corp./Urethane NR-200, or Dynatrol II-SG; Tremco/THC 900-901, or Vulkan 245; BASF/Sonneelastic SL 2.
F. Mildew-Resistant Silicone Rubber Sealant: ASTM C920, Type S, Grade NS, Class 25, compounded with fungicide, specifically for mildew resistance and recommended for interior joints in wet areas.
1. Provide at interior joints in wet areas.
2. Manufacturers: General Electric Co./SCS 1702 Sanitary Sealant; Dow Corning Corp./788 Bathub Caulk; Pecora Corp./898 Sanitary Mildew Resistant Sealant; Tremco/Tremfil 200.
G. Acrylic-Emulsion Sealant: ASTM C834 acrylic or latex-rubber-modified acrylic sealant, permanently flexible, non-staining and non-bleeding; recommended for general interior exposure, compatible with paints specified in Section 09 00 00.
1. Provide at general interior applications.
2. Manufacturers: Pecora Corp./AC-20; BASF/Sonolac; Tremco/Tremflex 834.
H. Air Seals: Provide non-staining and non-bleeding sealers, calks, or foams appropriate to specific applications for filling openings between conditioned and unconditioned spaces.
1. Type: As recommended by manufacturer for each specific application; compatible with adjacent materials.
2. Manufacturers: Dow/Great Stuff, Owens Corning/EnergyComplete Air Sealant; Grace/Polycel One.

- I. Miscellaneous Materials:
1. Primers/Sealers: Non-staining types recommended by joint sealer manufacturer for joint surfaces to be primed or sealed.
2. Joint Cleaners: Non-corrosive types recommended by joint sealer manufacturer, compatible with joint forming materials.
3. Bond Breaker Tape: Polyethylene tape as recommended by joint sealer manufacturer where bond to substrate or joint filler must be avoided for proper performance of joint sealer.
4. Sealant Backer Rod: Compressible polyethylene foam rod or other flexible, permanent, durable non-absorptive material as recommended by joint sealer manufacturer for compatibility with joint sealer. Oversize backer rod minimum 30% to 50% of joint opening.
J. Colors: Provide colors indicated or as selected by Architect from manufacturer's full range of colors.
1. Custom Colors: Custom colors may be required at exterior walls; storefront sealant colors to match storefront.
PART 3 - EXECUTION
3.1 PREPARATION
A. Prepare joint surfaces in accordance with ASTM C1193 and as recommended by joint sealer manufacturer.
B. Clean joint surfaces immediately before installation of joint sealer; remove dirt, insecure materials, moisture and other substances which could interfere with bond of joint sealer.

- C. Prime or seal joint surfaces where recommended by joint sealer manufacturer; do not allow primer/sealer to spill or migrate onto adjoining surfaces.
D. Ensure protective coatings on surfaces in contact with joint sealers have been completely stripped.
3.2 INSTALLATION
A. Comply with manufacturer's printed instructions and ASTM C1193, except where more stringent requirements are shown or specified.
1. Joint sealants include joint sealers and caulking as indicated.
B. Set sealant backer rods at proper depth or position in joint to coordinate with other work, including installation of bond breakers sealant; do not leave voids or gaps between ends of backer rods.
1. Do not stretch, twist, puncture or tear backer rods.
C. Install bond breaker tape as required to avoid three-sided bond sealant to substrate and where required by manufacturer's recommendations to ensure joint sealers will perform properly.
D. Size materials to achieve required width/depth ratios.
E. Employ installation techniques that will ensure joint sealers are deposited in uniform, continuous beads with no gaps or air pockets, with complete filling of bond surface, only on opposite sides.
F. Joint Configuration: Fill sealant joint to a slightly concave surface, slightly below adjoining surfaces, unless otherwise indicated. Where horizontal joints are between a horizontal surface and vertical surface, fill joint to form a slight cove, so that joint will not trap moisture or dirt.
H. Install joint sealers to depths recommended by joint sealer manufacturer, but within the following general limitations, measured at center (thin) section of bead.
1. Horizontal Joints: 75% width with minimum depth of 3/8".
2. Elastomeric Joints: 50% width with minimum depth of 1/4".
3. Non-Elastomeric Joints: 75% to 125% of joint width.
I. Spillage: Do not allow sealers or compounds to overflow or spill onto adjoining surfaces, or to migrate into voids of adjoining surfaces.
1. Clean adjoining surfaces by whatever means may be necessary to eliminate evidence of spillage.
J. Cure joint sealers in compliance with manufacturer's instructions and recommendations to obtain high early bond strength, internal cohesive strength and surface durability.
K. Maintain finished joints free of embedded matter, ridges and sags.
3.3 FIELD QUALITY CONTROL
A. Sealant Adhesion Field Tests:
1. Prior to start of sealant application, construct a mock-up using specified surface preparation and sealant installation on storefront and interfacing materials.
2. Notify Architect at least 48 hours prior to start of installation and testing.
B. Review the following procedure and make any adjustments to conform to actual project conditions.
C. Procedure for Sealant Adhesion Field Test:
1. Construct four 10 inch long x 1 inch wide x 1/4 inch thick strips of sealant over each substrate. Apply bond breaker tape to the substrate under the last 2 inches of the sealant at each end of the strips to provide a tab for peeling testing.
2. Cure samples 21 days at minimum temperature of 50 degrees F.
3. After curing grasp strip sample end tabs and pull 90 degrees to the surface.
4. Acceptable application shall be cohesive failure (tearing within itself) with no adhesive (debonding) failure.
5. If sample debonds, the sealant manufacturer shall make written recommendations regarding changes in surface preparations or primers. Submit recommendations on the Architect for acceptance.
6. Repeat sealant adhesion trials as required to produce an acceptable application.
D. Issue a written report recording surface preparation procedures, sealant application procedures, and stating the work conforms to the manufacturer's recommendations and these specifications. Record results of field testing and note departures from these requirements and recommendations for necessary corrective actions.

END OF SECTION

REMODEL STORE
OLD NAVY
CAP INC.
STORE DEVELOPMENT
FOLSOM STREET
SAN FRANCISCO, CA 94105
REPS. I.D.: 0000131847
STORE NUMBER: 5724
STORE LOCATION: BUCKHEAD STATION
1 BUCKHEAD LOOP NE
ATLANTA, GA 30326
DESIGN TYPE: P3
GENERATION: 18012
PROTO TYPE DATE: 08/31/17
OPENING: 2018
CONSULTANT INFO.
PROFESSIONAL STAMP:
ARCHITECT INFO:
ARCHITECT OF RECORD:
brr
BOYD W. BAU
6700 ANTIPOCH PLAZA
SUITE 200
METairie, LA 70004
www.brrarch.com
TEL: 513-262-9045
FAX: 513-262-9045
ISSUE TYPE:
BID/PERMIT 01/05/18
REVISIONS:
DRAWN BY: CAR
AVE JOB NUMBER: 65013029
TITLE SHEET:
SPECIFICATIONS
SHEET NUMBER:
A13-7