



To: Pre-Quote Meeting Attendees and City of Mobile Bid Website

From: Cindy Klotz
City of Mobile Architectural Engineering Department

Re: Various Facilities (Group 2) - ReRoofing
Project #BG-064-21

Date: March 31, 2023

This Addendum forms a part of, and modifies, the Bidding Documents for the above referenced project, dated February 23, 2023. Acknowledge the receipt of this Addendum No.3 and all subsequent Addenda, if any, in the space provided on the Bid Form. Failure to do so may subject Quoter to disqualification.

General:

Clarifications:

- Item 1. Contractor shall remove all existing HVAC equipment to install flashing at existing curbs. Give Owner 72 hours' notice of equipment removal, so that an Owner's representative can be present to inspect the integrity of the existing curbs and caps prior to equipment replacement.
- Item 2. This project has five (5) separate facilities. A separate Schedule of Values, Pay Application, DBE Utilization Report, Lien Waivers, Submittals and Shop Drawings, etc is required for each facility every time there is a submittal. Separate the facility materials with submittal of closeout documents. Warrantees for each facility shall be separate.
- Item 3. At the Pre-roofing meeting, contractor shall assist the Owner to inspect of all roof penetrations and their curbs, covers, flashings, collars, etc and document existing conditions.
- Item 4. Note that 2 specification sections have been added to the Project Manual. See Items 20 and 21 below and attached.
- Item 5. The Bid Form has been updated. Use this Bid Form when submitting your Bid. See Item 22 below and attached.

Forms and Specifications:

Item 1: Section 01010 Summary of Work, Article 1.5A: Change duration of work from "...two hundred (200) calendar days..." to "...five hundred fifteen (515) calendar days..."

Item 2: Section 00100 Invitation to Bid, Article 2E: Change "...Section 01635..." to "... Section 01 25 13"

Item 3: Section 00100 Invitation to Bid, Article 3C and D: Change "...sixty (60) days..." to "... ninety (90) calendar days..."

Item 4: AIA Document A701 Instructions to Bidders: Article 7.2.3: Change "...on or after the date of the Contract..." to "... by the City Clerk upon execution of the Contract..."

Item 5: AIA Document A701 Instructions to Bidders: Article 9.1.1: Remove the phrase "...for bids of \$250,000.00 or greater..." from the last sentence in the paragraph.

Item 6: Section 00300 Supplemental Instructions to Bidders, Article 1A: Remove paragraph and replace with the following:

"Bidders may obtain complete sets of Bid Documents and Addenda from the City of Mobile Bid Website as listed in the Invitation to Bid, Section 00100."

Item 7: Section 00300 Supplemental Instructions to Bidders, Article 4B: Change "...sixty (60) days..." to "... ninety (90) calendar days..."

Item 8: Section 00300 Supplemental Instructions to Bidders, Article 7A: Change "...sixty (60) days..." to "... ninety (90) calendar days..."

Item 9: Section 00300 Supplemental Instructions to Bidders, Article 10B: Change

"The Bidder to whom the Contract is awarded shall, within ten (10) calendar days of receiving the Contract Forms, properly execute and deliver to the Owner, the following items with the signed Agreement:

- (1). Performance Bond and Labor and Material Payment Bond (originals);
- (2). Certificate of Insurance (original) with endorsements to City of Mobile;
- (3). Evidence of enrollment in the E-Verify program.
- (4). Other documentation as required by the Contract Documents."

To:

"The Bidder to whom the Contract is awarded shall, within ten (10) calendar days of receiving the Contract Forms, properly execute and deliver to the Owner, the following items with the signed Agreement:

- (1). Performance Bond and Labor and Material Payment Bond (originals);
- (2). Certificate of Insurance (original) including Builder's Risk policy in its entirety, with endorsements to City of Mobile;
- (3). Evidence of enrollment in the E-Verify program.
- (4). Schedule of Values and DBE Utilization form for each individual site
- (5). Other documentation as required by the Contract Documents."

Item 10: Section 00300 Supplemental Instructions to Bidders, Article 18: Add item
“C: Contractor shall fill out his portion of the City of Mobile Development Permits required for each site located in a flood zone.”

Item 11: Section 00300 Supplemental Instructions to Bidders, Article 19: Change “...01010...” to
“... 01 10 00...”

Item 12: Section 00300 Supplemental Instructions to Bidders, Article 22A: Add “...Each site must have its own Application for Payment and attachments.” To the end of the paragraph.

Item 13: Section 00300 Supplemental Instructions to Bidders, Article 24B: Change “...one year...” to
“... five (5) years.”

Item 14: Section 07 42 13 Formed Metal Panels, Article 1.9: Add section:
“C. Submit copies of Contractor’s Guarantee covering all work for defects in workmanship and labor for a period of five (5) years.”

Item 15: Section 07 51 16 Coal Tar Pitch Roof Restoration, Article 1.3: Replace “...Section 07 60 00 Sheet Metal” with “Section 07 62 00”

Item 16: Section 07 51 16 Coal Tar Pitch Roof Restoration, Article 1.5E2: Replace “...2 years...” with “...5 years...”

Item 17: Section 07 55 20 SBS-Modified Bituminous Membrane Flashing, Article 1.9B1: Replace “...two years...” with “...five years...”

Item 18: Section 07 56 00 Liquid Applied Membrane Roofing, Article 1.9 A1: Replace Special Project Warrantee “...two years...” with “...five years...”

Item 19: Specification Section 07 92 00 Joint Sealants in the Project Manual shall be removed and replaced with attached Specification Section 07 92 00 Joint Sealants, labeled Add #3.

Item 20: Specification Section 01 23 00 Alternates, labeled Add #3 is added to the Project Manual.

Item 21: Specification Section 01 22 00 Unit Prices labeled Add #3 is added to the Project Manual.

Item 22: Bid Form Section 00400 shall be removed and replaced with attached Bid Form 00400, labeled Add #3.

Drawings:

Item 1: Drawing 4-A101, rev2 Add #3 is attached

RFI’s: N/A

ATTACHMENTS

Specification Section 01 23 00 Alternates, labeled Add #3
Specification Section 01 22 00 Unit Prices, labeled Add #3
Specification Section 07 92 00 Joint Sealants, labeled Add #3
Section 00400 Bid Form, labeled Add #3
Drawing 4-A101, rev2 Add #3

END OF ADDENDUM NO. 3

SECTION 00400

BID FORM

Copies of the following Bid Forms shall be used. Bids submitted on alternate forms may be rejected. Fill in all blank spaces with an appropriate entry. Bid Form must be signed by an officer of the company and notarized.

TO: City of Mobile, 205 Government St., P.O. Box 1827, Mobile, AL, 36633

REF: PROJECT NO.: BG-064-21

PROJECT NAME: Various Facilities (Group 2) – Reroofing

PROJECT LOCATIONS:

- (1) Mobile Public Library Toulminville Branch
601 Stanton Road, Mobile, AL 36617
 - (2) Dearborn YMCA
321 Warren Street, Mobile, AL 36603
 - (3) Western Administrative Complex Building (WAC)
4851 Museum Drive, Mobile, AL 36608
 - (4) Mobile Police Precinct and Motor Pool
850 Virginia Street, Mobile, AL 36603
- (Alternate) Richards DAR Carriage House
256 North Joachim Street, Mobile, AL 36603

In compliance with the Bid Documents and having carefully and thoroughly examined said documents for the subject Work prepared by the City of Mobile, Architectural Engineering Department and The Architects Group, Inc., dated February 24, 2023, and all Addendum(a) Number(s) _____, dated _____, CAUTION: before submitting any bid, it is the Bidder's responsibility to check with the Architectural Engineering Department for all Addenda or special instructions that may impact the Bid) thereto, receipt of which is hereby acknowledged, the premises and all conditions affecting the Work prior to making this Proposal, the Undersigned Bidder, hereby

COMPANY

NAME: _____

ADDRESS: _____ **PHONE** _____

ALABAMA GENERAL CONTRACTOR LICENSE NO. _____

CITY OF MOBILE BUSINESS LICENSE NO. _____

SECRETARY OF STATE OF ALABAMA BUSINESS IDENTITY NO. _____

SECRETARY OF STATE OF ALABAMA ACCOUNT NO. _____

(Note: Secretary of State Account Number shall be filled in only by non-resident bidders)

(Check one) [] A Corporation [] A Partnership [] An Individual Doing Business

hereby proposes to furnish all labor, materials, tools, equipment, and supplies and to sustain all the expenses incurred in performing the Work on the above captioned Project in accordance with the terms of the Contract Documents, and all applicable laws and regulations for the sum listed below. The initial term of the Contract shall extend for a total of **FIVE HUNDRED FIFTEEN (515) calendar days** from the date of the Notice to Proceed in phases as follows:

(1) Mobile Public Library – Toulminville Branch

Base Bid: \$ _____ .00
Contingency Allowance: + \$ _____ 10,000.00

TOTAL BASE BID, Mobile Public Library - Toulminville Branch:

_____ Dollars, (\$ _____ .00)
(Amount in Words) (Amount in Figures)

(2) Dearborn YMCA

Base Bid: \$ _____ .00
Contingency Allowance: + \$ _____ 10,000.00

TOTAL BASE BID, Dearborn YMCA:

_____ Dollars, (\$ _____ .00)
(Amount in Words) (Amount in Figures)

(3) Western Administrative Complex (WAC)

Base Bid: \$ _____ .00
Contingency Allowance: + \$ _____ 10,000.00

TOTAL BASE BID, Western Administrative Complex (WAC):

_____ Dollars, (\$ _____ .00)
(Amount in Words) (Amount in Figures)

(4) Mobile Police Precinct and Motor Pool

Base Bid: \$ _____ .00
Contingency Allowance: + \$ _____ 10,000.00

TOTAL BASE BID, Mobile Police Precinct and Motor Pool

_____ Dollars, (\$ _____ .00)
(Amount in Words) (Amount in Figures)

TOTAL BASE BID, ALL BUILDINGS (including Contingencies):

_____ Dollars, (\$ _____ .00)

(Amount in Words) (Amount in Figures)

Additive Alternate #1: Richards DAR Carriage House

Base Bid: \$ _____ .00
Contingency Allowance: + \$ \$6,000.00
TOTAL BASE BID, Richards DAR Carriage House

_____ Dollars & No Cents \$ _____ .00
Amount in Words Amount in #'s

UNIT PRICES:

Unit Price #1 (WAC Building): One (1) linier foot of the following; remove damaged wood and metal facia, provide and install new PT wood sub-facia, provide and install new metal facia to match existing.

\$ _____ LF

Unit Price #2 (WAC Building): One (1) linier foot of the following; damaged soffit to be remover by others, provide and install new fiber-cement soffit, paint.

\$ _____ LF

Unit Price #3 (WAC Building): Remove and replace one (1) linier foot of metal gutter to match existing.

\$ _____ LF

Unit Price #4 (General): Install Fall Arrest System.

\$ _____ Unit

Unit Price #5 (General): Install new roof hatch with fall arrest system and safety extension handle

\$ _____ Unit

BID SECURITY: The undersigned Bidder agrees that the attached Bid Security, as a Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond, made payable to the City of Mobile, in the amount of 5% of the bid amount, but in no event more than \$10,000, as the proper measure of liquidated damages which the City will sustain by the failure of the undersigned to execute the Contract. Said Bid Security shall become the property of the City of Mobile as liquidated damages as specified in the Contract Documents.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, *inter alia*, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until sixty (60) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten (10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

COMPANY

NAME: _____
(Printed or Typed)

BY: _____
(Signature of Company Officer)

COMPANY OFFICER: _____
(Printed or Typed)

TITLE _____ **DATE** _____, 2023
(Printed or Typed)

Sworn to and subscribed before me this _____ day of _____ 2023

Notary Public

Attachments:

1. Bid Security, with Power of Attorney
2. Secretary of State Authorization (Out of state bidders only)
3. Sales Tax Form C-3A
4. Supplier Diversity Subcontracting & Major Supplier (all 5 pages)

END OF BID FORM

SECTION 01 22 00 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary costs for materials, labor, overhead, profit, taxes, insurance, bonds, shipping, delivery, handling at Project site, supplies, sheeting/shoring, installation, cleanup, disposal, all accessories and similar costs related to providing material, product, service and work described by each “Unit Price”.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. Unit Price #1, WAC Building: Remove Damaged Facia and Replacement.
 - 1. Description: Removed damaged wood and metal facia, provide and install new pressure treated wood sub-facia, provide and install new metal facia to match existing, as detailed on the Drawings.
 - 2. Unit of measure: One linier foot, as detailed and defined on the Drawings.
 - 3. Quantity: 10 Units.

- B. Unit Price #2: WAC Building: Damaged Soffit.
 - 1. Description: Provide and install new fiber-cement soffit and paint. Existing to be removed by others. Repair as detailed on the Drawings.
 - 2. Unit of measure: One linier foot, as detailed and defined on the Drawings.
 - 3. Quantity: 10 Units

- C. Unit Price # 3: WAC Building: Remove and replace metal gutter.
 - 1. Description: Remove and provide replacement of damaged or deteriorated metal gutter s in accordance with detail on the Drawings.
 - 2. Unit of measure: One Linear Foot as detailed and defined on the Drawings. Minimum length installed per occurrence will be 5-feet.
 - 3. Quantity: 20 Linear Foot.

- D. Unit Price # 4: Install Fall Arrest System.
 - 1. Description: Install fall arrest system on existing roof access ladder and roof hatch safety extension in accordance with detail on 1-A103/detail 5 of the Drawings.
 - 2. Unit of measure: One each as detailed and defined on the Drawings.

- E. Unit Price # 5: Install new roof hatch with fall arrest system and safety extension handle.
 - 1. Description: Remove existing roof hatch and install new roof hatch with fall arrest system on existing roof access ladder. Roof hatch, type S, Miami-Dade County approved, by Bilco, with fall arrest and safety extension handle.
 - 2. Unit of measure: One each.

END OF SECTION 01 22 00

SECTION 01 23 00 - ALTERNATES

PART 1 -

PART 2 - GENERAL

2.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

2.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

2.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

2.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 3 - PRODUCTS (Not Used)

PART 4 - EXECUTION

4.1 SCHEDULE OF ALTERNATES

A. Alternate 01- ADD

Everything associated with Building Number Five (5), Richards DAR Carriage House as shown on Drawing 5-A100, 5-A101, and 5-A102, noted as Additive Alternate #1: Richards DAR Carriage House, on Bid Form, Section 00400.

END OF SECTION

SECTION 07 92 00 - JOINT SEALANTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Silicone joint sealants.
 - 2. Urethane joint sealants.
 - 3. Latex joint sealants.
 - 4. Solvent-release-curing joint sealants.
 - 5. Preformed joint sealants.
 - 6. Acoustical joint sealants.

1.3 PRECONSTRUCTION TESTING

- A. Preconstruction Compatibility and Adhesion Testing: Submit to joint-sealant manufacturers, for testing indicated below, samples of materials that will contact or affect joint sealants.
 - 1. Use ASTM C 1087 to determine whether priming and other specific joint preparation techniques are required to obtain rapid, optimum adhesion of joint sealants to joint substrates.
 - 2. Submit not fewer than eight pieces of each kind of material, including joint substrates, shims, joint-sealant backings, secondary seals, and miscellaneous materials.
 - 3. Schedule sufficient time for testing and analyzing results to prevent delaying the Work.
 - 4. For materials failing tests, obtain joint-sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.
 - 5. Testing will not be required if joint-sealant manufacturers submit joint preparation data that are based on previous testing, not older than 24 months, of sealant products for adhesion to, and compatibility with, joint substrates and other materials matching those submitted.
 - 6. Submit certification of compatibility from sealant manufacturer(s) when sealants of different types or by different manufacturers are to be used in contact with one another.
- B. Preconstruction Field-Adhesion Testing: Before installing sealants, field test their adhesion to Project joint substrates as follows:
 - 1. Locate test joints where indicated on Project or, if not indicated, as directed by Architect.
 - 2. Conduct field tests for each application indicated below:

- a. Each kind of sealant and joint substrate indicated.
3. Notify Architect seven days in advance of dates and times when test joints will be erected.
 - a. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1 in ASTM C 1193 or Method A, Tail Procedure, in ASTM C 1521.
 - 1) For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
4. Report whether sealant failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each kind of product and joint substrate. For sealants that fail adhesively, retest until satisfactory adhesion is obtained.
5. Evaluation of Preconstruction Field-Adhesion-Test Results: Sealants not evidencing adhesive failure from testing, in absence of other indications of noncompliance with requirements, will be considered satisfactory. Do not use sealants that fail to adhere to joint substrates during testing.

1.4 SUBMITTALS

- A. Product Data: For each joint-sealant product indicated.
- B. Samples for Initial Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.
- C. Product Certificates: For each kind of joint sealant and accessory, from manufacturer.
- D. Sealant, Waterproofing, and Restoration Institute (SWRI) Validation Certificate: For each sealant specified to be validated by SWRI's Sealant Validation Program.
- E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, indicating that sealants comply with requirements.
- F. Preconstruction Compatibility and Adhesion Test Reports: From sealant manufacturer, indicating the following:
 1. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
 2. Interpretation of test results and written recommendations for primers and substrate preparation needed for adhesion.
 3. Sealants of different types or by different manufacturers used in contact with one another have been tested for compatibility and adhesion. Include any preparations required for joining of materials.
- G. Preconstruction Field-Adhesion Test Reports: Indicate which sealants and joint preparation methods resulted in optimum adhesion to joint substrates based on testing specified in "Preconstruction Testing" Article.

- H. Field-Adhesion Test Reports: For each sealant application tested.
- I. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

- A. Source Limitations: For each Joint-Sealant Application listed in PART 3, obtain each kind of joint sealant from single source from single manufacturer.
- B. Product Testing: Test joint sealants using a qualified testing agency by one of the following methods.
 - 1. Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated.
 - 2. Test according to SWRI's Sealant Validation Program for compliance with requirements specified by reference to ASTM C 920 for adhesion and cohesion under cyclic movement, adhesion-in-peel, and indentation hardness.
- C. Mockups: Install sealant in mockups of assemblies specified in other Sections that are indicated to receive joint sealants specified in this Section. Use materials and installation methods specified in this Section.

1.6 PROJECT CONDITIONS

- A. Do not proceed with installation of joint sealants under the following conditions:
 - 1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F (5 deg C).
 - 2. When joint substrates are wet.
 - 3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
 - 4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

1.7 WARRANTY

- A. Special Installer's Warranty: Manufacturer's standard form in which Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Five years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer's standard form in which joint-sealant manufacturer agrees to furnish joint sealants to repair or replace those that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Interior applications-10 years from date of Substantial Completion.

2. Warranty Period: Exterior applications-20 years from date of Substantial Completion.
- C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:
1. Movement of the structure caused by structural settlement or errors attributable to design or construction resulting in stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.
 2. Disintegration of joint substrates from natural causes exceeding design specifications.
 3. Mechanical damage caused by individuals, tools, or other outside agents.
 4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. Joint Sealants:
1. Products: Subject to compliance with requirements, provide one of the products listed.
 2. Manufacturers: Where no product is listed, subject to compliance with requirements, provide products from one of the following manufacturers:
 - a. BSAF
 - b. Dow
 - c. Pecora Corporation.
 - d. Sika Corporation, Construction Products Division.
 - e. Tremco Incorporated.
- C. Liquid-Applied Joint Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied joint sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.
- D. Stain-Test-Response Characteristics: Where sealants are specified to be nonstaining to porous substrates, provide products that have undergone testing according to ASTM C 1248 and have not stained porous joint substrates indicated for Project.
- E. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.2 SILICONE JOINT SEALANTS

- A. Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 100/50, for Use NT.
- B. Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 50, for Use NT.

- C. Single-Component, Nonsag, Traffic-Grade, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 100/50, for Use T.
- D. Single-Component, Pourable, Traffic-Grade, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade P, Class 100/50, for Use T.
- E. Mildew-Resistant, Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT.
- F. Mildew-Resistant, Single-Component, Acid-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT.

2.3 URETHANE JOINT SEALANTS

- A. Single-Component, Nonsag, Urethane Joint Sealant: ASTM C 920, Type S, Grade NS, Class 100/50, for Use NT.
- B. Single-Component, Nonsag, Urethane Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT.
- C. Single-Component, Nonsag, Traffic-Grade, Urethane Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use T.
- D. Single-Component, Pourable, Traffic-Grade, Urethane Joint Sealant: ASTM C 920, Type S, Grade P, Class 25, for Use T.

2.4 LATEX JOINT SEALANTS

- A. Latex Joint Sealant: Acrylic latex or siliconized acrylic latex, ASTM C 834, Type OP, Grade NF.
 - 1. Products: Subject to compliance with requirements, provide one of the following:
 - a. BASF Building Systems; Sonolac.
 - b. Pecora Corporation; AC-20+.
 - c. Tremco Incorporated; Tremflex 834.

2.5 SOLVENT-RELEASE-CURING JOINT SEALANTS

- A. Butyl-Rubber-Based Joint Sealant: ASTM C 1311.

2.6 PREFORMED JOINT SEALANTS

- A. Preformed Silicone Joint Sealants: Manufacturer's standard sealant consisting of precured low-modulus silicone extrusion, in sizes to fit joint widths indicated, combined with a neutral-curing silicone sealant for bonding extrusions to substrates.
 - 1. Products: Subject to compliance with requirements, provide one of the following:

- a. Dow Corning Corporation; 123 Silicone Seal.
 - b. Pecora Corporation; Sil-Span.
- B. Preformed Foam Joint Sealant: Manufacturer's standard preformed, precompressed, open-cell foam sealant manufactured from urethane foam with minimum density of 10 lb/cu. ft. (160 kg/cu. m) and impregnated with a nondrying, water-repellent agent. Factory produce in precompressed sizes in roll or stick form to fit joint widths indicated; coated on one side with a pressure-sensitive adhesive and covered with protective wrapping.
1. Products: Subject to compliance with requirements, provide one of the following:
 - a. EMSEAL Joint Systems, Ltd.; Emseal 25V.
 - b. Sandell Manufacturing Co., Inc.; Polyseal.

2.7 ACOUSTICAL JOINT SEALANTS

- A. Acoustical Joint Sealant: Manufacturer's standard nonsag, paintable, nonstaining latex sealant complying with ASTM C 834. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.

2.8 JOINT SEALANT BACKING

- A. General: Provide sealant backings of material that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.
- B. Cylindrical Sealant Backings: ASTM C 1330, of type approved in writing by the joint-sealant manufacturer for the joint application indicated, and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
- C. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.

2.9 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.
- C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
 - 1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
 - 2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
 - a. Exterior insulation and finish systems.
 - b. Concrete.
 - c. Masonry.
 - 3. Remove laitance and form-release agents from concrete.
 - 4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
 - a. Metal.
 - b. Glass.
 - c. Porcelain enamel.
- B. Joint Priming: Substrate for all exterior joints shall be primed unless indicated by preconstruction joint-sealant-substrate tests that primer is not required. Prime all other joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.3 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
 - 1. Do not leave gaps between ends of sealant backings.
 - 2. Do not stretch, twist, puncture, or tear sealant backings.
 - 3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.
- D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.
- E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
 - 1. Place sealants so they directly contact and fully wet joint substrates.
 - 2. Completely fill recesses in each joint configuration.
 - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
- F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
 - 1. Remove excess sealant from surfaces adjacent to joints.
 - 2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
 - 3. Provide concave joint profile per Figure 8A in ASTM C 1193, unless otherwise indicated.
- G. Installation of Preformed Silicone-Sealant System: Comply with the following requirements:
 - 1. Apply masking tape to each side of joint, outside of area to be covered by sealant system.
 - 2. Apply silicone sealant to each side of joint to produce a bead of size complying with preformed silicone-sealant system manufacturer's written instructions and covering a bonding area of not less than 3/8 inch (10 mm). Hold edge of sealant bead 1/4 inch (6 mm) inside masking tape.
 - 3. Within 10 minutes of sealant application, press silicone extrusion into sealant to wet extrusion and substrate. Use a roller to apply consistent pressure and ensure uniform contact between sealant and both extrusion and substrate.

4. Complete installation of sealant system in horizontal joints before installing in vertical joints. Lap vertical joints over horizontal joints. At ends of joints, cut silicone extrusion with a razor knife.
- H. Installation of Preformed Foam Sealants: Install each length of sealant immediately after removing protective wrapping. Do not pull or stretch material. Produce seal continuity at ends, turns, and intersections of joints. For applications at low ambient temperatures, apply heat to sealant in compliance with sealant manufacturer's written instructions.
- I. Acoustical Sealant Installation: At sound-rated assemblies and elsewhere as indicated, seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C 919 and with manufacturer's written recommendations.

3.4 FIELD QUALITY CONTROL

- A. Field-Adhesion Testing: Field test joint-sealant adhesion to joint substrates as follows:
 1. Extent of Testing: Test completed and cured sealant joints as follows:
 - a. Perform 10 tests for the first 1000 feet (300 m) of joint length for each kind of sealant and joint substrate.
 - b. Perform 1 test for each 200 feet of joint length thereafter or 1 test per each floor per elevation.
 2. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab, in Appendix X1 in ASTM C 1193 or Method A, Tail Procedure, in ASTM C 1521.
 - a. For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
 3. Inspect tested joints and report on the following:
 - a. Whether sealants filled joint cavities and are free of voids.
 - b. Whether sealant dimensions and configurations comply with specified requirements.
 - c. Whether sealants in joints connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each kind of product and joint substrate. Compare these results to determine if adhesion passes sealant manufacturer's field-adhesion hand-pull test criteria.
 4. Record test results in a field-adhesion-test log. Include dates when sealants were installed, names of persons who installed sealants, test dates, test locations, whether joints were primed, adhesion results and percent elongations, sealant fill, sealant configuration, and sealant dimensions.

5. Repair sealants pulled from test area by applying new sealants following same procedures used originally to seal joints. Ensure that original sealant surfaces are clean and that new sealant contacts original sealant.

- B. Evaluation of Field-Adhesion Test Results: Sealants not evidencing adhesive failure from testing or noncompliance with other indicated requirements will be considered satisfactory. Remove sealants that fail to adhere to joint substrates during testing or to comply with other requirements. Retest failed applications until test results prove sealants comply with indicated requirements.

3.5 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

3.6 PROTECTION

- A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

3.7 JOINT-SEALANT SCHEDULE

- A. General: When more than one type of sealant is listed for a Joint-Sealant Application provide one of the sealants listed.
- B. Joint-Sealant Application: Exterior joints in vertical surfaces and horizontal nontraffic surfaces, joints between cast stone and cast stone and other materials.
 1. Joint Locations:
 - a. Control and expansion joints in exterior wythe of unit masonry.
 - b. Perimeter joints between materials listed above and frames of doors, windows, and louvers.
 - c. Control and expansion joints in ceilings, and other overhead surfaces.
 - d. Subject to approval of stucco manufacturer, joints between Stucco and Stucco and other Materials.
 2. Products: Subject to compliance with requirements, provide one of the following:
 - a. Silicone Joint Sealant;
 - 1) Dow Corning Corporation; 790,795
 - 2) Tremco Incorporated: Spectrem 1
- C. Joint-Sealant Application: Interior joints in vertical surfaces and horizontal nontraffic surfaces.

1. Joint Locations:
 - a. Perimeter joints between interior wall surfaces and frames of interior doors and elevator entrances.
 - b. Other joints as indicated.
 2. Joint Sealant: Latex.
- D. Joint-Sealant Application: Interior mildew-resistant interior joints in vertical surfaces and horizontal nontraffic surfaces.
1. Joint Sealant Location:
 - a. Joints between plumbing fixtures and adjoining walls, floors, and counters.
 - b. Tile control and expansion joints where indicated.
 - c. Other joints as indicated.
 2. Joint Sealant:
 - a. Mildew resistant, single component, nonsag, neutral curing, Silicone
 - b. Single component, nonsag, mildew resistant, acid curing

END OF SECTION

REVISIONS

| NO. | DATE | REMARKS |
|-----|----------|------------------------------|
| | 02-23-23 | ISSUED FOR BID |
| Δ | 03/20/23 | ADDENDUM #2 - Revised Note 3 |
| Δ | 03/31/23 | ADDENDUM #3 - Revised Note 3 |
| | | |
| | | |
| | | |

SHEET TITLE
**BUILDING #4
 POLICE PRECINCT
 AND MOTOR POOL
 ROOF PLAN**

JOB NO. 2114

DATE: FEBRUARY 23, 2023

SHEET

4-A101

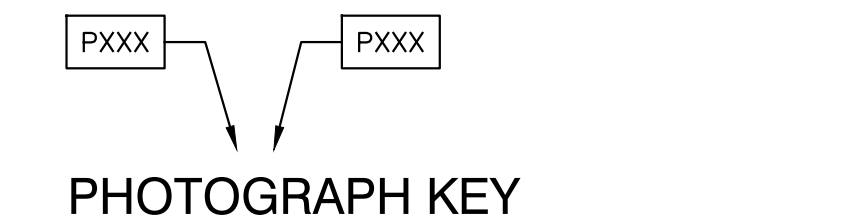
GENERAL NOTES

- ALL DIMENSIONS TO BE CONFIRMED BY GENERAL CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPER MANAGEMENT OF ALL CONSTRUCTION AND DEMOLITION DEBRIS GENERATED BY THIS PROJECT. ALL C&D WASTE SHALL BE MANAGED IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS AND TO AN ADEM APPROVED DISPOSAL FACILITY.
- PHOTOS ARE INCLUDED TO PROVIDE A GENERAL VISUAL SENSE OF THE EXISTING CONDITIONS OF EACH BUILDING & ARE SUPPLEMENTAL TO THE DRAWINGS. PHOTOS ARE NOT INTENDED TO INDICATE ALL EXISTING CONDITIONS OR LOCATIONS SUCH CONDITIONS EXIST. SHEETS CONTAINING PHOTOGRAPHS SHALL BE VIEWED IN FULL COLOR, EITHER PAPER PRINTS OR DIGITAL PDFS. IN ORDER TO VIEW ALL WORK INFORMATION REQUIRED.
- NON-FULL-COLOR SHEETS, EITHER PAPER PRINTS OR DIGITAL PDFS SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION & ARE NOT CONSTRUCTION DOCUMENTS.
- LOCATIONS OF ROOF MOUNTED EQUIPMENT AND OPENINGS ARE APPROXIMATE.
- VERIFY EXACT CURB DIMENSIONS ON ALL HVAC UNITS.
- REFER TO INDIVIDUAL NOTES FOR REPLACEMENT OR REPAIR TO EXISTING HVAC VENTS, FANS OR OTHER EQUIPMENT.
- PLACE ALL CONDUIT & PIPE ON PIPE/ CONDUIT STANDS.
- COORDINATE WITH OWNER'S SEPARATE CONTRACTORS FOR RELOCATION, RE-ROUTING, REPAIR OR REPLACEMENT OF SEPARATE CONTRACTORS CONDUIT & CABLING. SUPPORT SEPARATE CONTRACTORS CONDUIT & CABLING ON PIPE/ CONDUIT STANDS.

CITY OF MOBILE ROOF INSPECTIONS
 PROJECT # 2114
 BUILDING/ROOF # 4
 MOBILE POLICE PRECINCT # 1 AND MOTOR POOL
 850 VIRGINIA STREET, MOBILE, ALABAMA

LEGEND

| | |
|-----|---------------------------------|
| RD | ROOF DRAIN (EXISTING) |
| ROF | ROOF OVERFLOW DRAIN (EXISTING) |
| WS | THRU WALL SUCPPER (EXISTING) |
| VTR | VENT STACK THRU ROOF (EXISTING) |
| RTU | ROOF TOP A/C UNIT (EXISTING) |
| EF | EXHAUST FAN ON ROOF (EXISTING) |

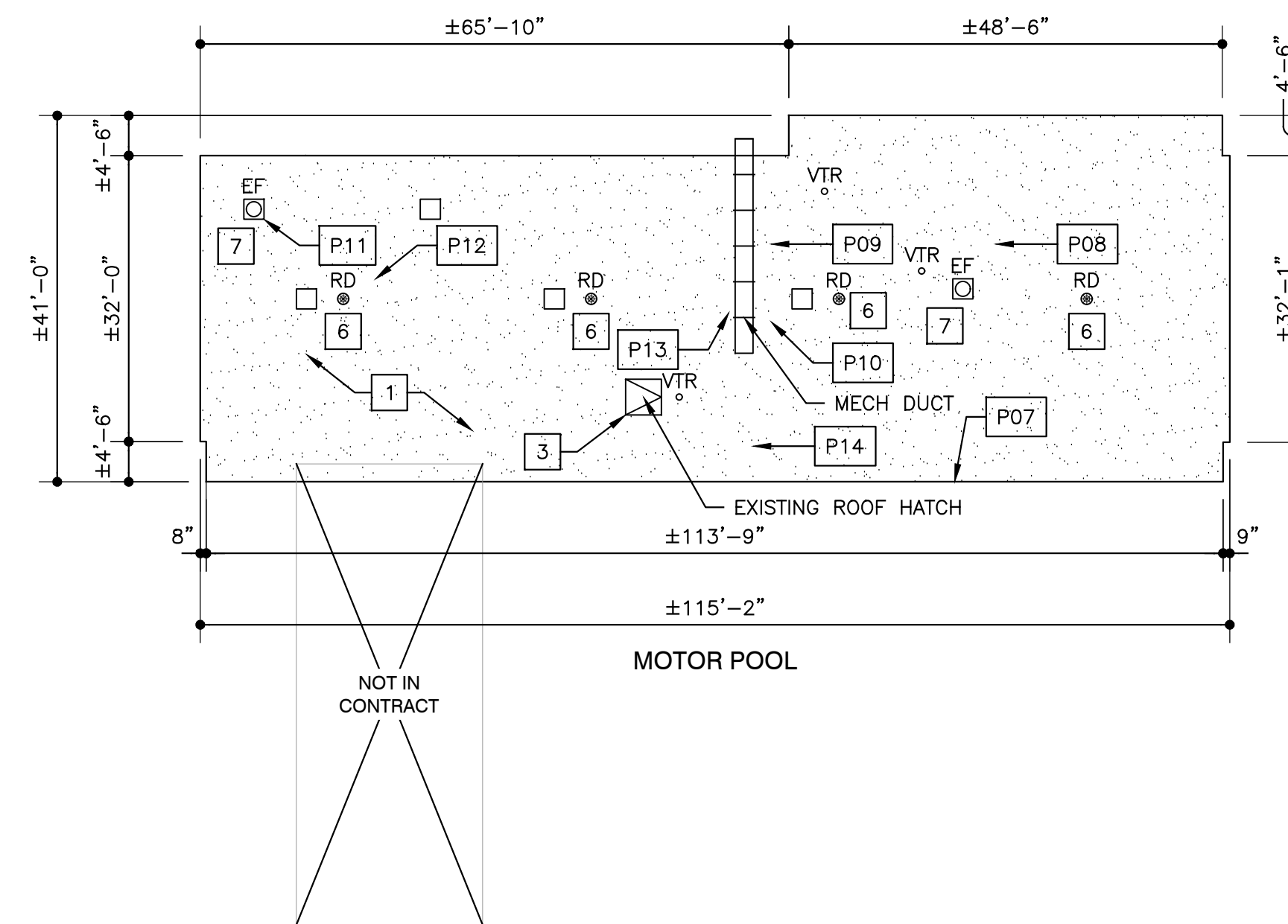


**MOTOR POOL
 CONSTRUCTION AND
 DEMOLITION NOTES**

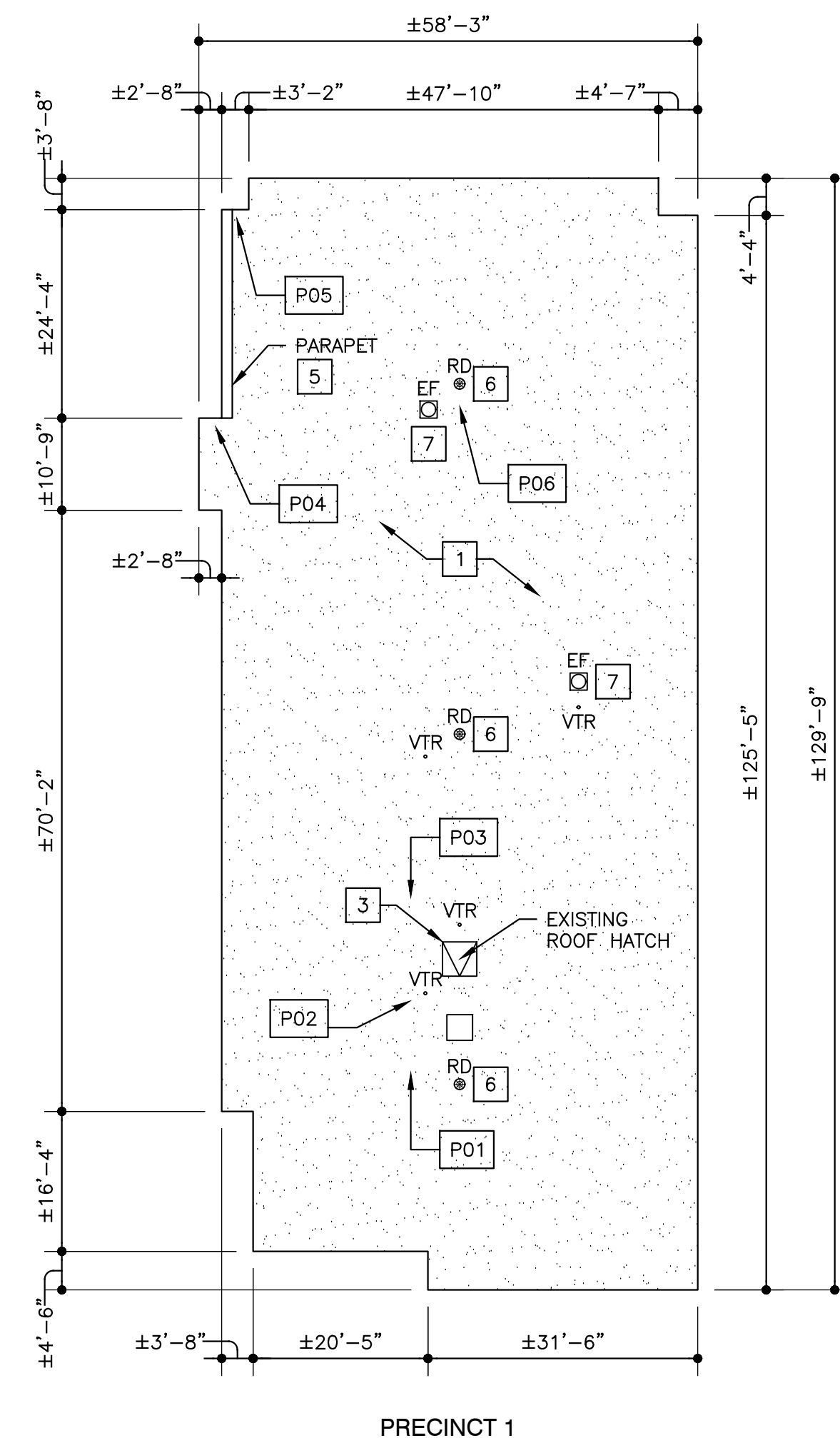
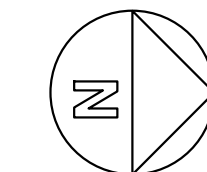
- PREPARE EXISTING ROOF FOR NEW COAL TAR RESATURANT, REAPPLY STONE TOPPING (RE-USED AND NEW STONE AS REQUIRED FOR FULL COVERAGE).
- EXISTING ROOF CURB METAL COVER, PREPARE AND PAINT. COAL TAR CURB TO BE REFURBISHED AS PART OF ROOF RESATURANT.
- EXISTING ROOF HATCH, REMOVE EXISTING ROOF HATCH. INSTALL NEW COMPLETE ROOF HATCH UNIT OF SAME SIZE. PREPARE EXISTING CURB FOR RESATURANT APPLICATION. BASIS OF DESIGN; TYPE S, MIAMI-DADE COUNTY APPROVED, AS MANUFACTURED BY BILCO.
- EXISTING VENT STACK TO REMAIN IN PLACE, REFRESH BASE FLASHING.
- INSTALL NEW METAL PARAPET COPING. SEE DETAIL 3/1-A103 SIM.
- REPLACE ROOF DRAINS, COMPLETE NEW UNIT CONNECTED TO EXISTING DRAIN LINES. INSURE EXISTING DRAIN LINES ARE FULLY OPERATIONAL BEFORE INSTALLATION OF NEW UNITS. USE COAL TAR FOR ALL INSTALLATION/ REPAIRS, USE PRODUCTS CONTAINING ASPHALT. SEE DETAIL 3/2-A103 SIM.
- EXISTING BUILDING EXHAUST VENT TO REMAIN IN PLACE, REFRESH BASE FLASHING.
- CANOPY OVER GAS PUMPS, NO WORK THIS ROOF, NOT IN CONTRACT.
- EXISTING METAL FRESH AIR INTAKE AIR DUCT, RESEAL DUCT, PREPARE AND PAINT DUCT.

**POLICE PRECINCT #1
 CONSTRUCTION AND
 DEMOLITION NOTES**

- PREPARE EXISTING ROOF FOR NEW COAL TAR RESATURANT, REAPPLY STONE TOPPING (RE-USED AND NEW STONE AS REQUIRED FOR FULL COVERAGE).
- EXISTING FLASHING REPAIR AND SEAL AS NEEDED PRIOR TO INSTALLATION OF NEW ROOF SYSTEM.
- EXISTING ROOF HATCH, REMOVE EXISTING ROOF HATCH. INSTALL NEW COMPLETE ROOF HATCH UNIT OF SAME SIZE. PREPARE EXISTING CURB FOR RESATURANT APPLICATION. BASIS OF DESIGN; TYPE S, MIAMI-DADE COUNTY APPROVED, AS MANUFACTURED BY BILCO.
- EXISTING VENT STACK TO REMAIN IN PLACE, REFRESH BASE FLASHING.
- EXISTING PARAPET, INSTALL NEW METAL PARAPET COPING. SEE DETAIL 3/1-A103 SIM.
- REPLACE ROOF DRAINS, COMPLETE NEW UNIT CONNECTED TO EXISTING DRAIN LINES. INSURE EXISTING DRAIN LINES ARE FULLY OPERATIONAL BEFORE INSTALLATION OF NEW UNITS. USE COAL TAR FOR ALL INSTALLATION/ REPAIRS, USE PRODUCTS CONTAINING ASPHALT. SEE DETAIL 3/2-A103 SIM.
- EXISTING BUILDING EXHAUST VENT TO REMAIN IN PLACE, REFRESH BASE FLASHING.



2 MOTOR POOL ROOF PLAN
 1/16"=1'-0" 0 4 8 16 32



1 POLICE PRECINCT ROOF PLAN
 1/16"=1'-0" 0 4 8 16 32

