



CITY OF
Tulsa
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FAX TRANSMITTAL

Date: August 29, 2019

To: Plan Holders

Company: Contractors

Number of Pages: 10 (Including Cover)

From: Anika Ture - Contract Administration
Telephone No. 918-596-9637
Fax No. 918-699-3470
Email – ature@cityoftulsa.org

RE: **Project No. SP 17-12 TFD Roof Replacements Fire Station #5 – TFD
Headquarters – EMS Building**

ADDENDUM NO. 1

Please fax or email a signed cover sheet 918-699-3640 to or
KristaSmith@cityoftulsa.org as acknowledgement of receipt.

Thank you,

Signature

Company

Date



Design Engineering
ENGINEERING SERVICES DEPARTMENT

August 28, 2019

**ADDENDUM NO. 1
TO
PROJECT NO. SP 17-12
TULSA FIRE DEPARTMENT ROOF REPLACEMENTS
TFD-HEADQUARTERS-EMS BUILDING
STATION #5**


This Addendum No. 1 consisting of three (3) items and three (3) clarifications, submitted by SGA Design Group, is hereby made a part of the Contract Documents to the same extent as though it were originally included therein, and shall supersede anything contained in the Plans and Specifications with which it might conflict. **This entire Addendum shall be attached to the Index Sheet of the Contract Documents recorded on page P-4 of the proposal, and submitted with bid. Failure to do so shall result in the bid being deemed non-responsive.**

This Addendum No. 1 consists of the following:

1. The attached documents list the detail items that have been modified in Addendum No. 1. These documents shall be inclusive and apply to this project.

All other provisions of the Plans and Specifications shall remain in full force and effect.

CITY OF TULSA


Paul D. Zachary, P.E.
City Engineer


HAS/MAH/AT/ks

Addendum #001

September 3, 2019

Project: City of Tulsa
Tulsa Fire Department Roof Replacements
TFD Headquarters – EMS Building – Station #5
Project No.: SP 17-12

From: SGA Design Group
1437 South Boulder, Suite 550
Tulsa, OK 74119

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 04/17/19 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. This addendum consists of 2 pages plus attached drawing revisions.

Clarifications

1. **Tulsa Fire Department Contact Information:** Scott Nyman (918) 596-1783
2. **Clarification** – The roof structure on the east side of the TFD Headquarters building is concrete deck.

Bidder Question:

On the headquarters building on the lower section on the east side the roof currently has light weight concrete over the metal deck. If the roof is torn off down to the lightweight and the 4.5" insulation and the tapered is installed we will be into the split faced block where it ties into the upper roof. Should the lightweight be removed? Please advise.

RESPONSE: Section 2/A401-1 indicates details for the new flashing attachment to the split face block. This detail allows for the new insulation height.

Per General Note 4. On Sheet A101-1, "If existing structural deck is showing signs of rust or failure, please notify architect prior to proceeding." Only after removal of the existing roofing and only if necessary, would a decision be made to remove the concrete roof structure.

Specifications

Section 074213 – Metal Wall and Awning Panels Part 2 – Products 2.1 Metal Wall Panels and 2.2 Metal Soffit Panels - Revise the manufactures list to include Peterson Aluminum Corporation.

1.1 METAL WALL PANELS

- A. Provide the following:
 - 1. Vee-Panel, by Berridge, San Antonio, TX (800) 669-0009.
 - a. Panel Coverage Width: 12-3/4 inches.
 - b. Panel Depth: 3/8 inches.
- B. Substitutions by pre-bid approval only
 - 1. PAC-Clad Wall Panel by Peterson Aluminum Corp., Tyler, TX (800) 441-8661

1.2 METAL SOFFIT PANELS

- A. Provide the following:
 - 1. L-Panel, by Berridge, San Antonio, TX (800) 669-0009.
 - a. Panel Coverage Width: 11-5/8 inches.
 - b. Panel Depth: 1 inch.
 - c. Grooves: Standard – 2 grooves
- B. Substitutions by pre-bid approval only
 - 1. PAC-Clad Soffit Panel by Peterson Aluminum Corp., Tyler, TX (800) 441-8661

Drawings

1. Sheet A102-2 Roof Plan

Bidder Question:

Regarding the EMS building on sheet A102-2 general note #7 indicates R-25 insulation under the tapered. This is approximately 4.5" of insulation. In Keynote #1 is indicates a base layer of 1.5" of insulation. Please advise as to which it should be.

RESPONSE: The R-25 base layer of poly iso is required. Keynote #1 revised deleting reference to 1 1/2" thickness.

End of Addendum #001

SECTION 074213 – METAL WALL AND AWNING PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Metal wall and soffit panels.

1.2 RELATED SECTIONS

- A. Section 061053 - Miscellaneous Rough Carpentry: plywood substrate sheathing.
- B. Section 072500 - Membrane Weather Barrier

1.3 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
- B. American Iron & Steel Institute (AISI):
 - 1. Specification for the Design of Cold formed Steel Structural Members.
- C. American Society for Testing and Materials International (ASTM):
 - 1. ASTM D226 – Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing
 - 2. ASTM E283 – Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
 - 3. ASTM E331 – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
- D. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA):
 - 1. Architectural Sheet Metal Manual.

1.4 DELIVERY, STORAGE AND HANDLING

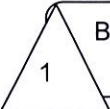
- A. Section 016000 - Product Requirements: Transport, handle, store, and protect products.
- B. Stack preformed and prefinished material to prevent twisting, bending, or abrasion, and to provide ventilation. Comply with manufacturer's recommendations for job site storage, handling, and protection.
- C. Upon receipt of panels and other materials, installer shall examine the shipment for damage and completeness.
- D. Prevent contact with materials during storage which may cause discoloration or staining.
- E. Panels should be stored in a clean, dry place. One end should be elevated to allow moisture to run off.

- F. Panels with strippable film must not be stored in the open, exposed to the sun.
- G. Stack all materials to prevent damage and to allow for adequate ventilation.

PART 2 - PRODUCT

2.1 METAL WALL PANELS


- A. Provide the following:
 1. Vee-Panel, by Berridge, San Antonio, TX (800) 669-0009.
 - a. Panel Coverage Width: 12-3/4 inches.
 - b. Panel Depth: 3/8 inches.



- B. Substitutions by pre-bid approval only
 1. PAC-Clad Wall Panel by Peterson Aluminum Corp., Tyler, TX (800) 441-8661

2.2 METAL SOFFIT PANELS

- A. Provide the following:
 1. L-Panel, by Berridge, San Antonio, TX (800) 669-0009.
 - a. Panel Coverage Width: 11-5/8 inches.
 - b. Panel Depth: 1 inch.
 - c. Grooves: Standard – 2 grooves



- B. Substitutions by pre-bid approval only
 1. PAC-Clad Soffit Panel by Peterson Aluminum Corp., Tyler, TX (800) 441-8661

2.3 MATERIALS

- A. Prefinished Aluminum Wall Panel: 24 gage, ASTM B209, Aluminum Association 3003-H14/3105-H14 for painted finish.

2.4 FABRICATION

- A. Tolerances:
 1. Break-form edges at right angles to the wall plane, and weld and grind corners smooth to ensure water tightness.
 2. Reinforce panels with stiffeners where applicable to meet design criteria.
 3. Panel lines, breaks, and angles shall be sharp and true, and surfaces shall be free from warp or buckle.
 4. Panel surfaces shall be free of scratches or marks caused during fabrication.

2.5 FINISHES, GENERAL

- A. Comply with NAAMM's Metal Finishes Manual for architectural metal products recommendations for applying and designating finishes.

2.6 ALUMINUM FINISHES

- A. Finish shall be full strength Kynar 500 Fluoropolymer coating coating, applied by the manufacturer on a continuous coil coating line, with a top side dry film thickness of 0.70 to 0.90 mil over 0.25 to 0.35 mil prime coat, to provide a total dry film thickness of 0.95 to 1.25 mil. Bottom side shall be coated with primer with a dry film thickness of 0.25 mil. Finish shall conform to all tests for adhesion, flexibility, and longevity as specified by the Kynar 500 finish supplier.
 - 1. Color: As shown on the drawings.
- B. Strippable film shall be applied to the top side of the painted coil to protect the finish during fabrication, shipping and field handling. This strippable film must be removed before installation.

2.7 UNDERLAYMENT

- A. Underlayment: Weather barrier per Section 072500 - Membrane Weather Barrier
- B. Underlayment Fasteners: Galvanized roofing nails with Coated Felt Caps.

2.8 ACCESSORY MATERIALS

- A. All rivets/fasteners shall be corrosion-resistant stainless steel.
- B. Panel Attachment Clips: Manufacturer's standard extruded aluminum panel clips.
- C. Flashing: Aluminum, same finish as for aluminum panel where exposed; secured with concealed fastening system.
- D. Protective Backing Paint: Bituminous.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Coordinate setting drawings, diagrams, templates, instructions, and directions for installation. Panel substructure shall be level and plumb. Panel substructure shall be free of defects detrimental to work and erected in accordance with established building tolerances. Coordinate delivery of such items to project site.

3.2 EXAMINATION

- A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions. Do not proceed until unsatisfactory conditions have been corrected.
- B. Beginning of installation indicates acceptance of substrate and existing conditions.

3.3 INSTALLATION

- A. Erect panels in accordance with approved shop drawings.
- B. Comply with manufacturers standard instructions and conform to standards set forth in the Architectural Sheet Metal Manual published by SMACNA, in order to achieve a watertight installation.
- C. Install panels in such a manner that horizontal lines are true and level and vertical lines are plumb.
- D. Soffit panel joints and v-grooves to be perpendicular to building exterior walls or as approved on shop drawings.
- E. Attach panels using manufacturer's stainless steel fasteners, spaced in accordance with approved shop drawings.
- F. Dissimilar Metals: Back paint surfaces in contact with dissimilar materials.
- G. Remove and replace any panels or components which are damaged beyond successful repair.
- H. Apply sealant to penetrations, transitions, and other locations necessary for airtight, waterproof installation, as recommended by manufacturer.

3.4 FIELD QUALITY CONTROL

- A. Inspect sheet metal panel installation for specified material, color, and attachment requirements.
- B. Correct deficiencies in Work which inspection indicates are not in compliance with Contract requirements.

3.5 CLEANING

- A. Clean exposed surfaces of Work immediately after completion of installation.
- B. Clean exposed surfaces of Work 24 hours prior to date of Substantial Completion.
- C. Clean any grease, finger marks or stains from the panels per manufacturer's recommendations.
- D. Remove all scrap and construction debris from the site.

3.6 PROTECTION

- A. Provide protection and maintain manufacturer's recommended conditions to prevent damage or deterioration of sheet metal panels until date of Substantial Completion.

END OF SECTION

DOCUMENT 000107 - SEALS PAGE
PROJECT:

Name: City of Tulsa Fire Department Roof Replacement Project
Fire Station #5
Fire Department Headquarters
Fire Department Training Center

ARCHITECT OF RECORD
SGA Design Group, P.C.
Christopher B. Goble
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Tulsa, OK 74119-3609
(918) 587-8600



08/28/2019

Chris Goble
09/20/2017
09/11/2019

Architect of Record

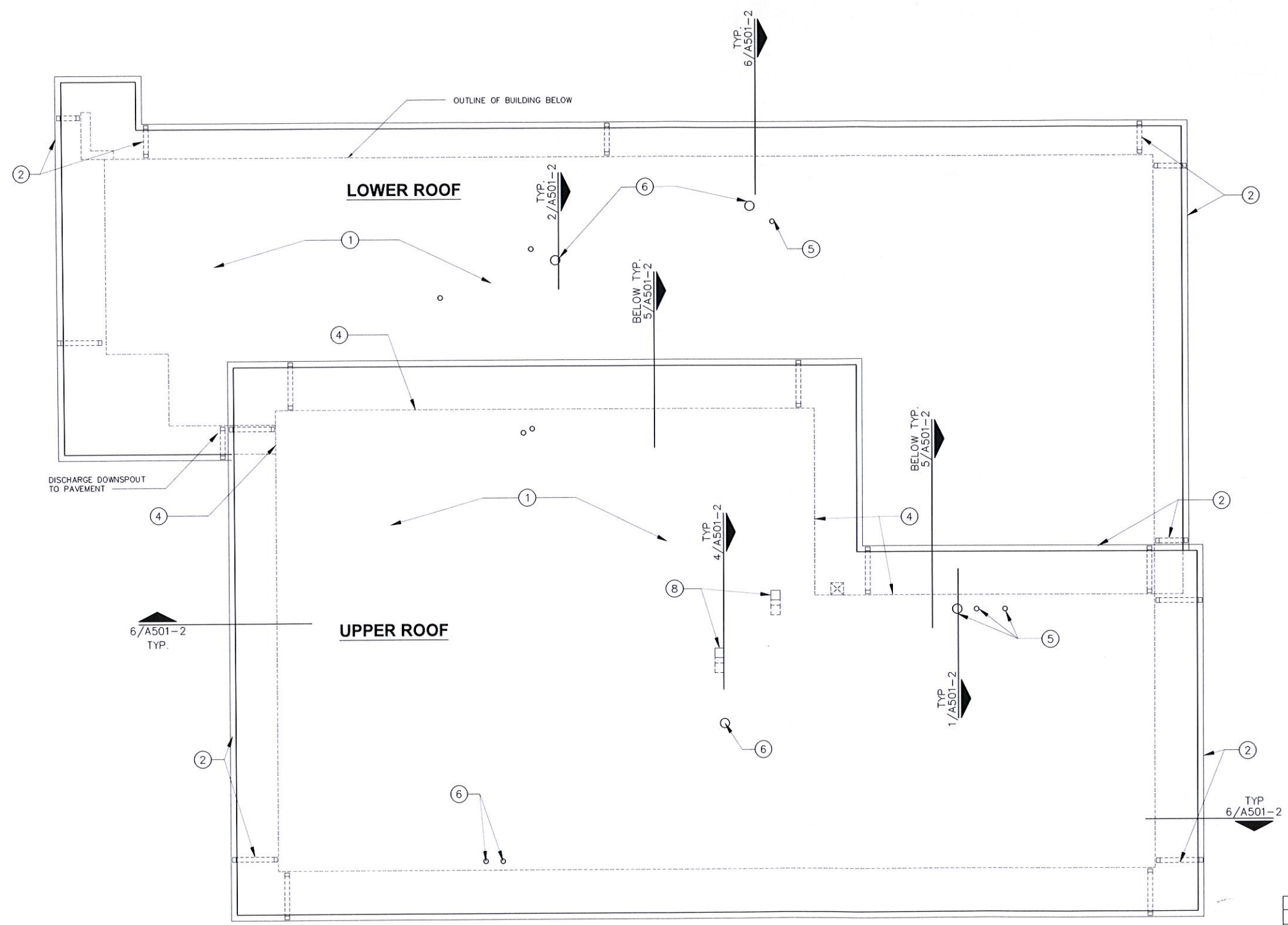
Date

GENERAL NOTES

- COORDINATE RE-ROOFING OPERATIONS TO PREVENT WATER INFILTRATION INTO BUILDING DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ANY WATER DAMAGES TO CONTENTS OF THE BUILDING DURING RE-ROOF OPERATIONS.
- COORDINATE ANY MECHANICAL FASTENERS WITH ELECTRICAL CONDUIT THAT MAY BE INSTALLED. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR ANY EXISTING ELECTRICAL DAMAGED DURING REROOFING OPERATIONS.
- STAGGER JOINTS BETWEEN LAYERS OF POLYISO INSULATION. NO JOINTS BETWEEN LAYERS SHOULD ALIGN.
- INSTALL ALL TAPERED ROOF INSULATION TO PROVIDE 1/4" PER FOOT COUNTER SLOPE MINIMUM. INSTALL 1/2" TAPERED BOARD ON HIGH SIDE OF ANY MECHANICAL EQUIPMENT TO PROVIDE POSITIVE WATER DRAINAGE AROUND UNIT.
- IF EXISTING STRUCTURAL DECK IS SHOWING SIGNS OF CRACKING, NOTIFY ARCHITECT PRIOR TO PROCEEDING.
- DO NOT INSTALL MEMBRANE OVER ANY LOOSE GRAVEL OR DEBRIS ON ROOF SURFACE.
- INSTALL BASE LAYERS OF POLY ISO TO PROVIDE A TOTAL R-VALUE OF R-25 UNDER TAPERED INSULATION.
- ROOF SLOPE TO BE NO LESS THAN 1/4" PER FOOT TOWARD DRAINS.
- FLASH ALL ELECTRICAL PENETRATIONS THRU ROOF PER 3/A501-2.

KEYNOTES NOTES

- INSTALL FULLY ADHERED 80 MIL TPO ROOFING SYSTEM OVER 1/4" DENSDECK OR HIGH IMPACT RECOVERY BOARD. INSTALL 1/4" PER FOOT TAPERED POLY ISO INSULATION SYSTEM TO DIRECT WATER TO EXISTING ROOF DRAINS. INSTALL BASE LAYER OF POLY ISO INSULATION OVER EXISTING DECK.
- INSTALL 4"x4" GUTTERS AND 4"x4" DOWNSPOUTS WITH PRE-FINISHED METAL COLOR - BERRIDGE CHARCOAL GREY. PROVIDE NEW CONCRETE SPLASH BLOCKS AT ALL TERMINATIONS AT LOWER ROOF AND AT GRADE, UNLESS NOTED OTHERWISE.
- NOT USED.
- INSTALL 1/4" COVER BOARD OVER EXISTING BITUMEN MASTIC AT BASE FLASHINGS. INSTALL BASE FLASHING AND COUNTERFLASHINGS.
- INSTALL FLASHING BOOTS AT ALL PLUMBING PENETRATIONS, RAISE PLUMBING VENTS AS REQUIRED TO MEET MINIMUM HEIGHT ABOVE ROOFING REQUIRED FOR WARRANTY.
- REPLACE ALL FLUE CAPS WITH NEW.
- NOT USED.
- INSTALL ALL NEW AIR DUCTWORK TO MATCH EXISTING. PROVIDE BIRD/INSECT SCREENS.



1 ROOF PLAN
1/4" = 1'-0"



**TULSA FIRE DEPARTMENT
ROOF REPLACEMENTS
TFD EMS BUILDING**
PROJECT NO.: SP 17-12

**CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT**



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MK	REVISION	BY	DATE	PLAN SCALE:	DRAWN	rwe	04/2019	APPROVED:
△	ADDENDUM# 001		09.03.19	1" =	DESIGNED	rwe	04/2019	
					SURVEY	N/A		
				PROFILE SCALE:	PROJ. MGR.			
				1" =	LEAD ENGR.			
				HORIZONTAL:	FIELD MGR.			
				1" =	RECOMMENDED:			
				VERTICAL:	DESIGN MANAGER			CITY ENGINEER
				1" =				DATE:
				FILE:	DRAWING:			
				ATLAS PAGE NO:				SHEET 3 OF 5 SHEETS
				SHEET NAME:				SHEET NO.
					ROOF PLAN			A102-2