

**ADDENDUM NUMBER ONE**  
**REPLACEMENT ROOFING SYSTEMS FOR**  
**THE FIRE ADMINISTRATION BUILDING AND FIRE HALL #10**  
**910 WIDSOM STREET**  
**FOR THE CITY OF CHATTANOOGA, TENNESSEE**  
**Contract Number F-17-001-201**

**NOTES FROM THE PRE-BID MEETING**

A Pre-Bid Meeting was held at the Fire Administration Building, 910 Wisdom Street, Chattanooga, on January 16, 2018, at 2:00 P.M. A sign-in sheet from the meeting is attached, as is the Agenda from the Pre-Bid Meeting.

A portion of the Summary of Work read.

A. "The work covered by this Contract consists of :

The removal of the existing EPDM roofing system from the Fire Department Administration Building and attached Fire Hall #10 Building, to include the removal of the existing roof insulation to the substrate, and the transportation and disposal of all related debris from the site. The installation of a replacement primary roof system which shall be a new White .060" TPO Roofing System fully adhered with heat welded seams, plus replacement of existing flashings and metal coping and edging. The installation must provide positive drainage to the drainage systems as detailed in the Project Plan and the completed roofing systems must have a 20 year minimum manufacturer's warranty on materials and labor.

B. The City Engineer reserves the right to substitute, add, delete, increase, decrease in any form or fashion as necessary the scope of work under the provisions of this Contract, including the projects noted above.

The Bid Schedule was reviewed. The Bid Schedule is being revised with this Addendum, so the original Bid Schedule is not being reprinted here.

It was pointed out that the information on the existing roofing is given on the plans.

It was pointed out that there is a reflectivity standard in the specifications. See Section 1.4 subsection N of Section 075423 TPO Fully Adhered.

After the Pre-Bid meeting, the roof was accessed by the contractors present. Any others wanting access to the roof for visual inspection should contact the purchasing Department using form 1-0009, "Request for Bidder Information".

**Questions Discussed:**

A question was raised by a representative of the Fire Department about which buildings are included in the bid. Per a subsequent conversation with Chief Carlos Tibbs, the project was

originally funded for the Fire Hall #10 building only, without the inclusion of the Administration Building. Since the plans are already prepared, the bids form will be revised for that portion only, with prices for the re-roofing of the Administration Building being requested as an additional bid item. Depending on the prices received and the funding available, the work on the Administration Building may or may not be performed in this bid package.

**The following changes shall be made to the Contract Documents, Specifications, and Drawings:**

I. Contract Documents

Please add attached section 07620 - Sheet Metal Flashing to the project specifications.

Please replace the original Bid Schedule, 00301, with the attached Bid Schedule, 1-00301 R2.

January 23, 2018

---

/s/ Justin C. Holland, Administrator  
City of Chattanooga  
Department of Public Works

1-16-2018

# Sign-In Sheet

F-17-001-201

Alan Ogle	City of Lethbridge	643-5898
Greg Wilson	JdH	423-316-9067
Christopher Fetty	Tri-State Roofing	423-362-1654
Tommy Miller	TBM Roofing	423 227 7171
Steve Harvey	City of Lethbridge Fire	423-316-7740

## Pre-Bid Meeting Agenda

---

**Subject:** Fire Administration Building and Fire Hall #10 – Re-Roofing Project F-17-001-201

**Date:** 01/16/2018

**Time:** 2:00 PM

**Location:** Fire Administration Building upstairs conference room

**Organizer:** City of Chattanooga – Alan Ogle

---

### Topics Discussed

---

Everyone is requested to sign in on the Attendance Sheet.

Introductions.

- Read thru 01010, Summary of Work. Review 00301-1b, Bid Schedule.
- Visits to the site are strongly encouraged to review roof access requirements. A site visit is planned immediately after this meeting. Access to the intermediate roof is through a door in the administration building. From there, a ladder must be used to access with roof. A suitable ladder is stored on the intermediate roof.
- All questions should be supplied in writing to the Purchasing Agent as instructed on the bid form 1-0009, "Request for bidder information".
- The Bid Date for the project is Thursday, Feb. 1, 2018 at 2:00 pm.
- Questions will not be accepted after 4:00 PM on January 26, 2018, which is the Friday before the Bid Date.
- The Final Addendum (if needed) will be distributed no later than 2:00 PM on January 30, 2018, which is the Tuesday before the Bid Date.
- The expected date of the Notice to Proceed is March 16, 2018, with an expected construction start date March 26, 2018.
- The project is schedule to be completed in 90 calendar days, with liquidated damages listed in the contract of \$500.00 per day.
- **Make sure that section 00201-1 is completely filled out and is placed on the outside of the bid envelope on the bid opening date. If that form is not on the outside of the bid envelope, the bid will not be opened.**

**SECTION 07620**  
**SHEET METAL FLASHING AND TRIM**

**PART 1 – GENERAL**

**1.1 SUMMARY**

- A. The work included under this section shall consist of furnishing all labor, materials, equipment, services, and supervision necessary for the fabrication, delivery, and erection of all sheet metal flashings, trim and other metal items as Specified herein.
- B. Section Includes:
  - 1. Gutters & Downspouts
  - 2. Edge flashings
  - 3. Counter flashings
  - 4. Sealant

**1.2 RELATED SECTIONS**

- A. Section 07411 – Standing Seam Metal Roofing.

**1.3 REFERENCES, CODES, AND STANDARDS**

- A. American Society for Testing and Materials Standards (ASTM)
- B. 2006 International Building Code (IBC)
- C. SMACNA (Sheet Metal and Air Conditioning National Association, Inc.)
- D. The NRCA Roofing and Waterproofing Manual

**1.4 SUBMITTALS**

- A. Shop Drawings for all metal installations.
- B. Clearly detail shaping, jointing, length of sections, fastening and installation details.

**1.5 PROJECT / SITE CONDITIONS**

- A. The Contractor shall examine the site and determine any unusual conditions which may require special methods to do the work, as specified herein and shown on the design drawings. The Contractor shall provide any special equipment necessary to do the specified work without additional costs.
- B. Exercise care when working on or about roof surfaces to avoid damaging or puncturing membrane or flexible flashings.
- C. Coordinate work of this section with interfacing and adjoining work for proper sequencing of each installation. Ensure best possible weather resistance and durability of work and protection of materials and finishes.

**1.6 QUALITY ASSURANCE**

- A. Perform work in accordance with SMACNA standard details and requirements.

Replacement Roofing System  
Fire Administration Building and Fire Hall #10, 910 Widsom Street  
City of Chattanooga, TN Contract No. M-17-001

- B. Fabricator and Installer: Company specializing in sheet metal flashing work with five years experience.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products to site to assure materials without damage.
- B. Stack preformed material to prevent twisting, bending, or abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.
- C. Prevent contact with materials which may cause discoloration or staining.
- D. Do not install damaged items; remove all damaged material from project.

**PART 2 – MATERIALS**

2.1 GENERAL PRODUCT

- A. Sheet metal for the following project related items shall be .040" pre-finished Aluminum:
  - 1. Gutters & Downspouts
  - 2. Coping
- B. Sheet metal for counter flashing shall be 0.040" mill-finished aluminum.
- B. Anchorage: Fasteners of corrosion resistant material compatible with metal fastened. Use screws where exposed anchorage is required. Screws minimum 1-1/2 inch long with neoprene washer under screw head.
- C. Concealed Sealant: NP1 or equal. Equal product must be approved by Design Consultant.

2.2 FABRICATION:

- A. Shop-fabricate metal flashing and sheet metal in accordance with reviewed shop drawings and standard industry details by SMACNA in "Architectural Sheet Metal Manual."
- B. Form sections square, true and accurate to size, free from distortion and other defects detrimental to appearance or performance.

**PART 3 – EXECUTION**

3.1 INSTALLATION:

- A. Examine substrate and conditions under which flashing and sheet metal work is to be performed. Do not proceed with work until unsatisfactory conditions have been corrected.
- B. Install sheet metal work in accordance with reviewed shop drawings and Architectural Sheet Metal Manual with sharp clean breaks.
- C. Lower edge of flashing, counterflashing and exposed metal edges shall be turned back into hemmed edge.

## Replacement Roofing System

Fire Administration Building and Fire Hall #10, 910 Widsom Street

City of Chattanooga, TN Contract No. M-17-001

- D. Flashing shall be securely fastened and water and weatherproofed. Neatly install with sharp clean breaks. Metal work at roof shall meet roofer's requirements and approval.
- E. Butt and locked joints in metal work shall be watertight. Joints shall be lapped in direction of flow.
- F. Insulate between dissimilar materials with an approved insulator. No dissimilar metals shall be touching. Work shall be arranged so moisture from one metal does not drain onto dissimilar metal.
- G. Install work with proper allowance for expansion and contraction from thermal changes.
- H. Carefully form flashing to conform to material dimensions as shown and according to field dimensions as verified.
- I. Counter-flashing which terminates roof membrane shall turn down a minimum of 3" over membrane.

### 3.2 LOCATION OF JOINTS IN METAL:

- A. Joints in other metal work may be placed where convenient to metal lengths, not to exceed 10 feet lengths.

### 3.3 CONSTRUCTION OF JOINTS:

- A. Lapped Joints: Lap 4 inches in direction of water flow. At counterflashings, lock bottom edges together. Sealant: Apply concealed sealant in each joint.
- B. At corners, inside or outside type, provide neat corner sections with 18" legs built-up in shop; to follow profile of adjacent metal. No nails permitted at exposed surfaces of exposed roof metal, only screws shall be used. Set roof edges in cooperation with roofer. Form angles to lesser degrees than required to insure snug fit after installation.

END OF SECTION

**BID SCHEDULE**  
REPLACEMENT ROOFING SYSTEM FOR FIRE DEPARTMENT  
FIRE HALL #10  
WITH AN ADD ITEM FOR RE-ROOFING THE ADJACENT FIRE ADMINISTRATION BUILDING  
Project No. F-17-001  
City of Chattanooga, Tennessee

Item No.	Description	Unit	Est. No. of Units	Unit Price	Total
1	<b>Fire Hall #10 Building Only:</b> Replacement TPO roofing system, roofing and labor including: removal and disposal of old roofing, insulation, flashings, coping and metal trim down to metal decking, wood blocking, membrane, tapered insulation, cover board, walk pads, metal trim and coping to complete roof system per specs, plans, and manufacturer's requirement, and furnish 20 year warranty	LS	1		
2	Surface clean, install one coat of primer, and one coat of elastomeric coating to all galvanized sheet metal and steel piping on the roof in order to protect and preserve these details.	LS	1		
<b>Total Base Bid</b>					
<b>Conditional Repairs</b>					
3	Remove and replace deteriorated tectum roofing deck on Fire Hall #10 as needed	100	Square foot		
<b>Additional Item #1</b>					
4	<b>Fire Administration Building Only:</b> Replacement TPO roofing system, roofing and labor including: removal and disposal of old roofing, insulation, flashings, coping and metal trim down to metal decking, wood blocking, membrane, tapered insulation, cover board, walk pads, metal trim and coping to complete roof system per specs, plans, and manufacturer's requirement, and furnish 20 year warranty	LS	1		
5	Surface clean, install one coat of primer, and one coat of elastomeric coating to all galvanized sheet metal and steel piping on the roof in order to protect and preserve these details.	LS	1		
<b>Total Alternate 1 Bid</b>					
<b>Conditional Repairs</b>					
6	Remove and replace deteriorated steel roofing deck on the Fire Administration Building as needed	100	Square foot		