


<b>Request for Proposal</b>	 <p style="text-align: center;"> <b>Marshall University</b>  <b>Office of Purchasing</b>  <b>One John Marshall Drive</b>  <b>Huntington, WV 25755-4100</b>          Direct all inquiries regarding this order to: (304) 696-2599       </p>	<b>Bid#</b> <b>R2402278</b> Addendum No. 01
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<b>Vendor:</b>	<b>For information call:</b> <b>Purchasing Contact:</b> Michelle Wheeler <b>Phone:</b> (304) 696-2727 <b>Email:</b> <a href="mailto:michelle.wheeler@marshall.edu">michelle.wheeler@marshall.edu</a> & <a href="mailto:Purchasing@marshall.edu">Purchasing@marshall.edu</a>
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Sealed requests to bid for furnishing the supplies, equipment or services described below will be received by the Institution. TO RECEIVE CONSIDERATION FOR AWARD, UNLESS OTHERWISE NOTED, THE BID WILL BE SUBMITTED ON THIS FORM AND UPLOADED INTO THE MU BONFIRE PORTAL ON OR BEFORE THE DATE AND TIME SHOWN FOR THE BID OPENING. When applicable, prices will be based on units specified; and Bidders will enter the delivery date or time for items contained herein. The Institution reserves the right to accept or reject bids on each item separately or as a whole, to reject any or all bids, to waive informalities or irregularities and to contract as the best interests of the Institution may require. BIDS ARE SUBJECT TO THE GENERAL TERMS AND CONDITIONS AS SET FORTH HEREIN.

<b>DATE</b>  5/13/2024	Click here to enter text.	<b>DEPARTMENT REQUISITION NO.</b>  R2402278	<b>BIDS OPEN:</b> 3:00 p.m. on 3/21/2024 via TEAMS Link: <a href="http://tinyurl.com/23c3ux83">http://tinyurl.com/23c3ux83</a>	<b>BIDDER MUST ENTER DELIVERY DATE FOR EACH ITEM BID</b>
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Item #	Quantity	Description	Unit Price	Extended Price
<p><b><u>ADDENDUM NO. 01</u></b></p> <p>Project Name: R2402278- Marshall University Twin Towers High Roof Replacement</p> <p>This addendum represent the revised bid form, vendor question responses and mandatory pre-bid sign-in sheets.</p>				

**Total**

To the Office of Purchasing,  
 In compliance with the above, the undersigned offers and agrees, if this offer is accepted within \_\_\_\_\_ calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date, specified above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.

Bidder guarantees shipment from \_\_\_\_\_ within \_\_\_\_\_ days

FOB \_\_\_\_\_ After receipt of order at address shown

Terms \_\_\_\_\_

BOG 43

Bidder's name Vendor \_\_\_\_\_

Signed By \_\_\_\_\_

Typed Name \_\_\_\_\_

Title \_\_\_\_\_

Email \_\_\_\_\_

Street Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Date \_\_\_\_\_ Phone \_\_\_\_\_

Fein \_\_\_\_\_



COMPLEX PROJECTS  
REQUIRE RESOLVE  
**THRASHER'S GOT IT**

**MARSHALL UNIVERSITY  
CABELL COUNTY, WEST VIRGINIA**

**MARSHALL UNIVERSITY TWIN TOWERS HIGH ROOF REPLACEMENT**

**ADDENDUM #1**

**May 10, 2024**

**THRASHER PROJECT #t60-11272**

TO WHOM IT MAY CONCERN:

A MANDATORY Pre-Bid Conference was held on Thursday, May 2, 2024, on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**

1. **THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.**

**B. SPECIFICATIONS**

1. The Index has been undated and included in this Addendum.
2. Specification 055100 Fixed Metal Ladders has been added in this Addendum.
3. Specification 105020 Canopies has been added in this Addendum.

**C. DRAWINGS**

1. Drawings D1.01, D1.02, A1.01, A1.02 and A1.03 have been revised within this Addendum.

**D. QUESTIONS AND RESPONSES**

**QUESTION**

1. Is B & O Taxes required?

**RESPONSE**

Yes

**QUESTION**

2. Is Building Permit required?

**RESPONSE**

No, project is on private state property.

**QUESTION**

3. Can Johns Manville be approved as an EPDM manufacturer.

**RESPONSE**

Yes, Johns Manville is an approved EPDM manufacturer.

**E. CLARIFICATIONS**

1. Substantial Completion must be completed by August 11, 2024.
2. Final Completion must be completed 30 days after Substantial Completion.

All bids must be submitted electronically through Bonfire™ or signed and delivered by the Vendor to the Marshall University Office of Purchasing on or before the date and time of the bid opening. Any bid received by the Office of Purchasing staff is in the possession of the Office of Purchasing and will not be returned for any reason. The Office of Purchasing will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via Bonfire™, hand delivery, or delivery by courier.

A bid that is not submitted electronically through Bonfire™ should contain the information listed below on the face of the envelope or the bid may be rejected by the University.

**SEALED BID: R2402200**  
**CONTACT: Michelle Wheeler**  
**SOLICIT ATTENTION NAME: MU Twin Towers High Roof Replacements**  
**SOLICITATION CLOSING DATE: 16 May 2024**  
**SOLICITATION CLOSING TIME: 3:00 p.m.**

Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.

AMANDA CHEUVRONT, AIA, NCARB  
Project Manager



**MARSHALL UNIVERSITY  
CABELL COUNTY, WEST VIRGINIA  
FOR THE  
MARSHALL UNIVERSITY TWIN TOWERS HIGH ROOF  
REPLACEMENT  
THRASHER #T60-11272**

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Office of Purchasing

**BID FORM OF PROPOSAL**

Marshall University Office of Purchasing  
Old Main 125  
One John Marshall Drive  
Huntington, WV 25755

Requisition Number: R2402200  
Project Description: Marshall University Twin  
Towers High Roof Replacements  
Issue Date: \_\_\_\_\_

**COMPANY/VENDOR ("BIDDER") INFORMATION:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State \_\_\_\_\_ Zip Code: \_\_\_\_\_

**W Va. Code §5-22-1:** The apparent low bidder on a contract valued at more than \$250,000 for the construction, alteration, decoration, painting or improvement of a new or existing building or structure shall submit a list of all subcontractors who will perform more than \$25,000 of work on the project including labor and materials. This information shall be provided to the within one business day of the opening of bids for review prior to the awarding of a construction contract. Failure to submit the subcontractor list within one business day after the deadline for submitting bids may result in disqualification of the bid. The list shall include the names of the bidders and the license numbers.

**Special Instructions:** The bid/proposal process is highly controlled. To protect the integrity of the process, any questions or clarifications regarding this Request for Bid/Proposal must be handled through the Marshall University Office of Purchasing.

**BASE BID INFORMATION:**

The undersigned, hereinafter call the Bidder, being familiar with and understanding the Bidding documents and having examined the project site and being familiar with all local conditions affecting the Project, hereby proposes to furnish all labor, material, equipment, supplies, and transportation, and to perform all Work in accordance with the Bidding Documents within the time set forth therein, for the sum of:

**BASE BID:** \_\_\_\_\_  
Written Amount

**BASE BID (NUMERICAL):**  
\_\_\_\_\_

Amount to be shown in both words and numbers, in the event of a difference between the written amount and the number amount, the written amount shall prevail.



Office of Purchasing

## BID FORM OF PROPOSAL

**ALLOWANCES BID INFORMATION:**

The amount of each Allowance shall be included in the Base Bid amount. Allowances shall be used solely for the purpose of determining the adjustment to the Contract Sum for the difference between the amount of the Allowance and the actual cost of the related Work provided.

Marshall University may notify Bidder of additional Allowance to be included in the Base Bid amount, if applicable, Marshall University shall include an additional attachment to this Bid Form of Proposal indicating the additional allowances to notify Bidder.

Marshall University has initially included      Allowances to be included by Bidder in the Base Bid Amount relating to this project.

Allowance Number	Description	Amount
1	Allowance No. 1: Quantity Allowance: Include 680 sq ft of steel roof decking replacement. 1. Coordinate quantity allowance adjustment with corresponding unit-price requirements in Section 012200 "Unit Prices".	
2.	Allowance No. 2: Quantity Allowance: Include 50 linear ft of treated wood nailer replacement. 1. Coordinate quantity allowance adjustment with corresponding unit-price requirements in Section 012200 "Unit Prices".	





Office of Purchasing

## BID FORM OF PROPOSAL

**COMPANY/VENDOR ("BIDDER") WEST VIRGINIA CONTRACTOR'S NUMBER:**

WV \_\_\_\_\_

**COMPANY/VENDOR ("BIDDER") SIGNATURE:**

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name and Title of Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Fax Number

**TO BE SUBMITTED WITH THE BID**

**UNIT PRICES – (For information purposes only)**

<b>Item #</b>	<b>UNIT</b>	<b>DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>UNIT PRICE WRITTEN IN WORDS</b>
1	SF	Replacement of steel roof decking as required		
2	LF	Replacement of treated wood nailer as required.		
3.	EA	Roof drain replacement		
4.	SF	Rigid Insulation		

## SECTION 055100 – FIXED METAL LADDERS

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Aluminum fixed vertical ladders.

B. Related Requirements:

1. Section 055100 "FIXED METAL LADDERS".
2. Section 061000 "Rough Carpentry".

#### 1.2 REFERENCES

- A. ANSI A14.3: Ladders - Fixed - Safety Requirements.
- B. OSHA 1910.23: Ladders.

#### 1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 013000 "Administrative Requirements".
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
- C. Shop Drawings for Ladders.
  1. Plan and section of ladder installation.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.

#### 1.5 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Prepare coordination drawings in accordance with Section 013100 – “Project Management and Coordination”.
  - B. Testing and Inspection Reports
    - 1. Certificates:
      - a. Welding certificates.
    - 2. Test and Evaluation Reports:
      - a. Material test reports.
      - b. Product test reports.
      - c. Research reports.
    - 3. Source Quality-Control Submittals:
      - a. Source quality-control reports.
    - 4. Field Quality-Control Submittals:
      - a. Field quality-control reports.
  - C. Sample warranties.
- 1.6 CLOSEOUT SUBMITTALS
- A. Maintenance contracts.
  - B. Operation and maintenance data.
  - C. Software and Firmware Operational Documentation:
    - 1. Software operating and upgrade manuals.
    - 2. Program Software Backup: On USB media and approved online or cloud solution.
    - 3. Device address list.
    - 4. Printout of software application and USB graphic screens.
- 1.7 QUALITY ASSURANCE
- A. Qualifications:
    - 1. Installers: Authorized representative who is trained and approved by manufacturer.
    - 2. Delegated Design Engineer: A professional engineer who is legally qualified to practice in WV where Project is located and who is experienced in providing engineering services of the type indicated.
    - 3. Welding Qualifications: Qualify procedures and personnel in accordance with the following welding codes:
      - a. AWS D1.2/D1.2M.
- 1.8 WARRANTY

- A. Limited Warranty: Provide manufacturer's standard limited five-year warranty against defective material and workmanship, covering parts only, no labor or freight. Defective parts, if deemed so by the manufacturer, will be replaced at no charge, freight excluded, upon inspection at manufacturer's plant which warrants same.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Precision Ladders, LLC, which is located at: P.O. Box 2279 ; Morristown, TN 37816-2279; Toll Free Tel: 800-225-7814; Tel: 423-586-2265; Email: [info@PrecisionLadders.com](mailto:info@PrecisionLadders.com); Web: [www.PrecisionLadders.com](http://www.PrecisionLadders.com)
  - 2. ALACO Ladder Co., which is located at: 5167 G St.; Chino, CA 91710-5143; Toll Free Tel: 888-310-7040; Tel: 909-591-7561; Fax: 909-591-7565; Email: [request info](mailto:requestinfo@alacoladder.com); Web: <http://alacoladder.com>
  - 3. Requests for substitutions will be considered in accordance with provisions of section 016000.

### 2.2 Aluminum fixed vertical ladder and components: Ladder, fall arrest system, walk-thru, side rails, floor mounting brackets, security gates, and finishes.

- A. Aluminum Fixed Vertical Ladder:
  - 1. Capacity: Unit shall support a 1,500 lb (680 Kg) loading without failure.
  - 2. Performance Standard: Units shall be designed and manufactured to meet or exceed ANSI A14.3 and OSHA 1910.23, 1910.28, and 1910.29.
- B. Components:
  - 1. Ladder Stringer: 2-1/2 x 1-1/16 x 1/8 inch (64 x 27 x 3 mm) extruded 6005-T5 aluminum channel. Pitch: 90 degrees.
  - 2. Ladder Tread: 2-1/4 x 3/4 x 1/4 inch (57 x 19 x 6 mm) extruded 6005-T5 aluminum with deeply serrated top surface.
  - 3. Ladder Mounting Bracket: 8-1/2 x 2 x 3 x 1/4 inch thick (216 x 51 x 76 x 6 mm) aluminum angle.
  - 4. Fall Arrest System: Complete system with rail, sleeves, and harness to limit any fall to 6 inches (152 mm).
  - 5. Walk-Thru:
    - a. Hand Rails: 1-1/4 inch (32 mm) aluminum square tube with rounded edges.
    - b. Mounting Brackets: 4 x 4 x 1/4 inch (102 x 102 x 6 mm) aluminum.
    - c. Side Rails: 42 inch (1067 mm) side rail extension for through ladder exits.
- C. Finishes:
  - 1. Provide all aluminum in standard mill finish.

2. Factory finish all aluminum surfaces with manufacturer's standard powder coating system.

### 2.3 SOURCE QUALITY CONTROL

- A. Products shall be inspected at factory.
- B. Products shall be tested in factory for proper operation before shipment.

### 2.4 FABRICATION

- A. Completely fabricate ladder ready for installation before shipment to the site.
- B. Completely fabricate handrail components ready for field assembly to ladder before shipment to site.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrate have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surface using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Examine materials upon arrival at site. Notify the carrier and manufacturer of any damage.

### 3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 055100

## SECTION 105020 – CANOPIES

### PART 1 - GENERAL

#### 1.1 SUMMARY

##### A. Section Includes:

1. Building supported, pre-engineered metal canopies including fascia channels, decking, tension rods, and attachment hardware

#### 1.2 REFERENCES

- A. Aluminum Association (AA) DAF 45 – Designation System for Aluminum Finishes
- B. American Architectural Manufacturers Association (AAMA)
  1. 2603 Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Architectural Extrusions and Panels.
- C. American Society of Civil Engineers (ASCE) 7 – Minimum Design Loads for Buildings and Other Structures.
- D. ASTM International
  1. B221 – Standard Specifications for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
  2. B429 – Standard Specifications for Aluminum-Alloy Extruded Pipe and Tube.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Indicate systems components, dimensions, attachments and accessories.
  1. Include plans, elevations, sections, and attachment details.
  2. Samples:
    - a. 3 x 3 inch coating samples in specified color
- C. Delegated-Design Submittal: For metal canopies indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

#### 1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project Site

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 5 years experience in installation of building supported, pre-engineered metal canopies.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of canopies that fail in materials or workmanship within specified warranty period.
1. Warranty Period: Two years from date of Substantial Completion.
  2. Special Finish Warranty: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of factory-applied finishes within specified warranty period.
    - a. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PRE-ENGINEERED METAL CANOPIES

- A. Basis of Design Product: Mapes Architectural Canopies
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. MAPES Canopies, LLC
    - b. MASA Architectural Canopies
    - c. DAC Architectural Manufacturing
  2. Color: As selected by Architect from manufacturer's full range.

2.2 MATERIALS

- A. Aluminum Extrusions:
1. ASTM B221 & B429 6061-T6 alloy and temper
- B. Hardware:
- a. All fasteners shall be stainless steel or hot dip galvanized for corrosion resistance.



## 2.3 COMPONENTS

- A. Framing:
  - 1. Type: Extruded aluminum "J" channel fascia
  - 2. Size 8" x .125"
- B. Canopy Supports: Extruded Aluminum Canopy Support "I" Beam
- C. Decking: 3" x 6" x 0.090" interlocking extruded aluminum flat soffit decking
- D. Attachment: Steel hanger rod, finished to match canopy.
- E. Other Components: other components as indicated or as required for system attachment and performance.

## 2.4 ACCESSORIES

- A. Downspouts 2" x 3" Finished to match canopy color.
- B. Splash block at downspouts.

## 2.5 FABRICATION

- A. Fabricate canopy system in accordance with approved Shop Drawings
- B. Drainage System to be concealed type. Covered surface direct water to field drilled drain, to be coordinated at the site.

## 2.6 FINISHES

- A. Aluminum: AA M12C22A31, Class I Anodized to 0.0007 inch minimum thickness, clear.
- B. Aluminum: AAMA 2605, fluoropolymer coating containing minimum 70 percent PVDF resins
  - 1. Color: As selected by Architect from manufacturer's full range.

## PART 3 - EXECUTION

### 3.1 FIELD DIMENSIONS

- A. Field verify dimensions of supporting structure at site of installation prior to fabrication.

### 3.2 INSTALLATION

- A. Install in accordance with manufacturer's written instructions and approved Shop Drawings.

- B. Install components plumb and level, in proper plane, free from warp and twist.
- C. Anchor system to building components; provide adequate clearance for movement caused by thermal expansion and contraction and wind loads.

### 3.3 ADJUSTING

- A. Touch up minor scratches and abrasions on finished surfaces to match original finish.
- B. Clean with mild, non-abrasive solution and a cotton cloth under low pressure.

END OF SECTION 105020