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State of West Virginia Department of Administration Quotation **Purchasing Division** 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for

RFQ NUMBER DJS010235 1

ADDRESS:CORRESPONDENCE:TO:ATTENTION:OF: JOHN ABBOTT

304-558-2544 DIVISION OF JUVENILE SERVICES

SECOND FLOOR 1200 QUARRIER STREET CHARLESTON, WV 25301

304-558-6029

FOB. SHIP VIA FREIGHTTERMS DATE PRINTED TERMS OF SALE 01/23/2007 OPENING TIME 02/15/2007 $_{
m BID}$ 01:30PM BID OPENING DATE: CAT ITEM NUMBER AMOUNT LINE QUANTITY UOP UNIT PRICE NO. REQUEST FOR QUOTATION THE PURCHASING DIVISION IS SOLICITING BIDS FOR THE DIVISION OF CORRECTIONS TO PROVIDE THE INSTALLATION OF A METAL ROOF SYSTEM ON THE JONES BUILDING AT THE INDUSTRIAL HOME FOR YOUTH IN SALEM, WV MANDATORY ON SITE PRE-BID: FEBRUARY 8, 2007; 1:30 PM SALEM, WV 1. SPECIFICATIONS ATTACHMENTS: 2. AFFIDAVIT b001 LS 770-60 1 METAL ROOF SYSTEM EXHIBIT 5 THIS CONTRACT IS TO BE PERFORMED NOTICE TO PROCEED: WITHIN 90 CALENDAR DAYS AFTER THE NOTICE TO PROCEED UNLESS OTHERWISE SPECIFIED, THE FULLY IS RECEIVED. EXECUTED PURCHASE ORDER WILL BE CONSIDERED NOTICE TO PROCEED. THE DIRECTOR OF PURCHASING RESERVES THE CANCELLATION: RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE MATERIALS DR WORKMANSHIP SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TITLE ADDRESS CHANGES TO BE NOTED ABOVE

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
- 5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
- 14. HIPAA Business Associate Addendum The West Viginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in cases of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130



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State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Roy 50120 Post Office Box 50130 Charleston, WV 25305-0130

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JOHN ABBOTT B04-558-2544

DIVISION OF JUVENILE SERVICES

304-558-6029

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REQUEST FOR QUOTATION – DJS010235 METAL ROOF INSTALLATION SPECIFICATIONS

For the WV Industrial Home for Youth Jones Industrial Building Salem, WV

PART I - GENERAL REQUIRMENTS

1.01 DESCRIPTION OF WORK:

A. Section Includes:

The extent of each type of preformed metal roofing panel as indicated on the drawings and by the provisions of this section. The scope of work includes, but shall not be limited to: preformed metal roof panels, flashing required to weatherproof the system (ridge, hip, valley, cleat, eave, rake edge, apron, inside corner, outside corner, gutter, downspout, drip sill, end wall, and other miscellaneous flashing), related accessories necessary for attachment of the roofing system, all butyl tape and sealant used in conjunction with the roofing system, and necessary attachment hardware as required to meet the performance standards and complete the roofing enclosure as indicated by Contract Documents.

- B. Manufacturer's Specification herein based on field-measured structure for the Jones Industrial Building at WV Industrial Home for Youth, Salem, WV. All design assumptions are based on these field measurements and site assessments as determined with empirical calculations assuming average wind and snow loads for the given area and not on any engineering calculations previously established by building codes or parameters mandated by the State of the project.
- C. The contractor shall remove and dispose of existing tile-shakes down to the gyp-plank assembly beneath, covering the existing assembly with full ice and water shield, attaching recommended hat channels to existing trusses/bar joists beneath with approved fasteners, and attaching metal panel and flashing system to hat channels and bent plates where required.

1.02 TYPICAL RELATED SECTIONS IN ARCHITECTURAL SPECIFICATIONS:

- A. Section 05120: Structural Steel Framing
- B. Section 05310: Steel Roof Deck
- C. Section 05500: Miscellaneous Metal Fabrication
- D. Section 06100: Rough Carpentry
- E. Section 07210: Building Insulation
- F. Section 07600: Flashing and Sheet Metal
- G. Section 07900: Sealant

1.03 REFERENCES:

- A. American Iron and Steel Institute (AISI), Specification for the Design of Cold-Formed Steel Structural Members (August 1996).
- B. American Institute of Steel Construction (AISC) Manual of Steel Construction (Current Edition).
- C. American Society for Testing and Materials (ASTM):
 - 1. ASTM A792: Specification for Sheet Steel, Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
 - 2. ASTM E283-91: Test method for Rate of Air Leakage over Solid Substrate.
 - 3. ASTM E331-93: Test Method for Rate of Water Penetration over Solid Substrate.
 - 4. ASTM E1680-95: Test Method for Rate of Air Leakage over Open Framed Structure.
 - ASTM E1646-95: Test Method for Rate of Water Penetration over Open Framed Structure.
 - 6. ASTM E1592-95: Standard Test Method for Structural Performance of Sheet Metal and Siding Systems by Uniform Static Air Pressure Difference.
 - ASTM A653: Standard Specification for Steel Sheet, Zinc-Coated Galvanized, or Zinc-Iron Alloy Coated Galvaneel by the Hot Dipped Process.
- D. Sheet Metal and Air Conditioning Contractors national Association (SMACNA):
 - 1. Architectural Sheet Metal Manual (1987 edition).
- E. Underwriter's Laboratory (UL) Roofing Materials and System Directory:
 - 1. Roofing Materials and Systems Directory (1997 edition) listings and classifications of the Underwriter's Laboratory roofing construction assemblies.

1.04 SYSTEM DESCRIPTION:

- A. Design Requirements:
 - 1. Continuous, one-piece, preformed, pre-finished single length roof panels.
 - 2. Panels, clips, and other components required for specific project conditions.
 - Manufacturer shall be required to provide evidence acceptable to Architect that manufacturer's specified roof system is capable of meeting thermal, wind uplift, and performance requirements specified.

B. Thermal Movement:

1. Complete metal roofing and flashing system shall be capable of withstanding expansion and contraction of components caused by change in temperature without buckling, producing excess stress on structure, anchors or fasteners, or reducing performance ability. Interface between panel and expansion clip shall provide for applicable thermal movement in each direction.

2. Performance Requirements:

- 3. Underwriter's Laboratories, Inc. (UL) Wind Uplift Resistance Classification for Roof Assembly shall be Class 90, as installed, pursuant to Construction Number (selected from available assemblies in technical section of architectural binder) 431, 431A, 432, 433, 498A, or 498B as defined by UL 580. Certified statements from manufacturer without proper UL classification will not be acceptable.
- 4. Complete metal roof system shall have maximum static pressure air infiltration of 0.046 cfm/square foot with 1.57 psf air pressure differential when tested in accordance with ASTM E283-91 or 0.014 cfm/square foot with 1.57 psf air pressure differential when tested in accordance with ASTM E1680-95.
- 5. Complete metal roof system shall have no uncontrolled water penetration (dynamic water pressure), other than condensation, when exposed to dynamic rain at 6.24 psf differential static pressure when tested for not less than fifteen (15) minutes in duration in accordance with ASTM E331-93 or ASTM E1646-95.
- 6. Entire roofing system (metal panels, flashing, expansion joints, and penetrations), is to be detailed to provide watertight roof under extreme weather conditions.

1.05 SUBMITTALS

A. Shop Drawings:

- 1. Manufacturer of the metal roof system shall provide complete shop drawings in accordance with the requirements specified in Section 01340.
- 2. Shop drawings must be submitted and returned as acceptable prior to the beginning of product production.

B. Product Data:

- 1. Submit manufacturer's detailed product literature including the system profile sheet, system description including: material base-sheet gauge, seam height, panel on-center, finish, and sealant as required.
- 2. Submit manufacturer's installation guidelines of the specified product.

3. Submit a sample of each type of roof panel, complete with factory finish. In the case where custom color is specified, send a custom color ship for written approval along with a standard color product sample for review.

C. Quality Control:

 Submit shop drawings signed by a registered engineer licensed to practice in the State of West Virginia certifying the design of the roof system meets the specified performance criteria.

1.06 QUALITY ASSURANCE:

A. Qualification of installers:

- 1. Competent and skilled sheet metal applicators familiar with dimensional metals' products or other manufacturer's standard details and recommendations. Applicator shall have at least two (2) years experience applying these types of materials with successful completion of projects with similar scope.
- Installers shall be thoroughly trained and experienced in the necessary crafts and who are completely familiar with and comply with the recommendations and details of the manufacturer and the "Architectural Sheet Metal Manual" published by SMACNA.
- Installers shall follow the manufacturers' installation details without exception unless written authorization from the manufacturer and architect are provided on an installation detail revision. Detail revision authorization must be made in advance of product installation.

1.07 DELIVERY, STORAGE AND HANDLING:

- A. Deliver roof system components to project site in manufacturer's unopened original containers.
- B. Protect roof system components during shipment, storage, handling and erection from mechanical abuse, stains, discoloration and corrosion.
- C. Provide strippable plastic film on all painted surfaces between contact areas to prevent abrasion during shipping, storage and handling.
- D. Store materials off the ground, providing for drainage, under protective cover which allows for air circulation and protection from foreign material contamination, mechanical damage, cement, lime, or other corrosive materials.
- E. Handle materials to prevent damage to surfaces, edges and ends of roofing components. Damaged material shall be rejected and removed from site.
- F. Examine materials upon delivery to jobsite. Reject and remove physically damaged, stained or marred material from project site.
- G. Metal roof components with strippable film must not be stored with exposure to direct sunlight.

H. Stack material to prevent damage and allow for adequate ventilation and drainage.

1.08 SITE CONDITIONS:

- A. All personnel will abide by the provided agency rules and regulations.
- B. All scaffolding necessary will be secured to the building, with repairs to the anchors sites to be done upon completion and removal of scaffolding.
- C. Personal vehicles allowed on grounds will be limited. All vehicles are to be locked and all keys removed from the vehicle when un-attended.
- D. Determine that work of other trades will not hamper or conflict with necessary fabrication and storage requirements for preformed metal roofing system.

E. Protection:

- 1. Provide protection or avoid traffic on completed roof surfaces.
- 2. Do not overload roof with stored materials.
- 3. Support no roof-mounted equipment directly on roofing system.
- F. Determine that work of other trades which penetrates roof or is to be made watertight by roof is coordinated by location, in place, and accepted prior to installation of roofing system.

1.09 WARRANTIES:

- A. Furnish manufacturer's Standard Twenty (20) Year Warranty stating the architectural fluorocarbon coating will:
 - 1. Not crack, chip, peel or exhibit any other mechanical failure of paint to adhere to the substrate.
 - 2. Not exhibit fading or color change in excess of five (5) hunter delta E units as determined by ASTM D2244-79.
 - 3. Not chalk in excess of a numerical rating of eight (8) as determined by ASTM D4214-89
 OR
 - 4. Examine Manufacturer's current ASTM requirements listed on back of color card for industry standards as recommended for finish warranty criteria.
- B. Furnish manufacturer's Standard Twenty (20) Year six (6) month Limited Galvalume Sheet Material Warranty against rupture, structural failure, or perforation.
- C. Furnish manufacturer's Standard Water-tightness Warranty for a period of twenty (20) Years after the date of substantial completion. Entire source of material and labor shall be the sole responsibility of the contractor.

1. Warranty shall be limited to the current value of the installed metal roof assembly.

2. Warranty shall be signed by the manufacturer of the metal roof system and his authorized installer, agreeing at their option to replace or repair defective materials and workmanship as required to maintain the metal roof system in watertight condition.

3. Warranty shall not exclude any conditions such as flashing, valleys, interior gutters, penetrations, etc. that are an integral part of the

roof system.

4. The manufacturer of the metal roof system shall review installation details and perform on-site inspections as required to certify proper water-tight roofing material installation.

PRE-FORMED METAL ROOFING SYSTEM:

- 2.01 A. Pre-finished base sheet metal shall be 24 Gauge.
 - B. Finish shall be 70% Kynar 500 or Hylar 5000 Fluorocarbon coating, applied on a continuous coil coating line, with top side dry film thickness of 1.1 +/- .01 mil dry film thickness and on the reverse side a wash coat and prime of .04 +/- .01 mil total dry film thickness.

Strippable film shall be applied to the topside of the painted coil to protect the finish during fabrication, shipping and field handling. This strippable film must be removed during installation.

- A. Pre-formed Metal Panels: Based on the Following Design:
 - 1. Seam Height: 2"
 - 2. Seam On-Center: 16"
 - 3. Stiffeners: Select per Owners Preferences: Low Bead, High Bead, Striated, or None/Flat Pan
- B. Standing seams shall incorporate a continuous mechanically seamed connection with concealed anchor clips that prevents the entrance of water passage.
- C. Standing seams shall contain factory injected butyl sealant that runs continuously throughout the panel length as job conditions dictate.
- D. Panel clips shall be as recommended by the manufacturer to meet the performance criteria of this specification.
- E. All exposed adjacent flashing shall be of the same material and finish as the roof panels.
- F. Fasteners:
 - Exposed screw fasteners shall be 300 series alloy stainless steel with integrally bonded neoprene washers or Zinc Aluminum Cast head covers with integral neoprene gaskets.

- 2. Exposed pop rivets shall be stainless steel, rivet and mandrel, self plugging type #44 1/8" diameter ¼" grip range minimum. Exposed pop rivets shall be painted to match the metal roof system.
- 3. Concealed fasteners for anchor clips shall be #10 12 1" long pancake head #2 Phillips drive screw as required to meet the performance criteria in this specification.
- 4. Concealed fasteners for flashing attachment shall be #8 15 1 1/4" long truss head #2 Phillips drive screw as required to meet the performance criteria in this specification.
- 5. There shall be no exposed fasteners except to fasten flashing, at fixing points, or as indicated on the shop drawings.

G. Closures:

1. Hip and ridge closures shall be factory fabricated from similar material to the roof panels. Hip and ridge closures shall be field cut to fit properly between the panel seams.

H. Sealant:

- 1. Factory-applied seam sealant shall be non-curing butyl designed for metal to metal connection in concealed joints, if specified.
- 2. Field applied sealant and/or butyl tape shall be as recommended by the manufacturer of the metal roof system.

2.02 FABRICATION:

A. Panels shall be fabricated in permanent fabrication facilities in continuous lengths as required. No horizontal end lap joints will be accepted, unless panels exceed 65' in length or jobsite conditions dictate. No jobsite roll-formers allowed.

2.03 FIELD QUALITY CONTROL:

A. Tolerances:

- 1. Applicable erection tolerances: Maximum variation from true planes or lies shall be ¼" in 20'-0" or 3/8" in 40'-0".
- 2. Metal roof systems can not correct any previously installed support or substrate problems that do not meet the above tolerances.

B. Manufacturer's Field Services:

- 1. Manufacturer's representative shall inspect all Water-tight Warranted projects during the installation of the metal roof system.
- 2. Inspections shall be scheduled as required by the manufacturer of the roofing system.
- 3. Three mandatory visits are required:
 - a. Inspection of substrate and proper underlayment.

- b. Inspection of proper panel and flashing installation.
- c. Final inspection upon completion of the metal roof installation.
- 4. Upon final inspection a report will be issued to the installer of any discrepancies and requirements for additional work. If additional work is required the manufacturer will provide another final inspection to verify acceptance of completed work.

2.04 CLEANING:

- A. Clean exposed surfaces of work promptly after completion of installation. To prevent rust from staining the painted finish, immediately remove filings produces by drilling or cutting.
- B. Clean roof in accordance with manufacturer's recommendations.
- C. Touch up minor abrasions and scratches in finish with air-dry Kynar pens.
- D. Remove all scrap and construction debris from the site.

RFQ	No.	

AFFIDAVIT

West Virginia Code §5A-3-10a states:

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION:

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name:	
Authorized Signature: _	Date: