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05/14/2024

May 14, 2024

IDEA Public Schools Middle RGV Mechanical Upgrades CSP#24-MRMU-0424

ADDENDUM NO. 3

A. PURPOSE AND INTENT

This addendum is issued for the purpose of modifying the plans for the project referenced above. This addendum shall become part of the contract and all contractors shall be bound by its content. All aspects of the specifications and drawings not covered herein shall remain the same. The General Conditions and the Special Conditions of the specifications shall govern all parts of the work and apply in full force to this addendum.

B. CLARIFICATIONS:

1. Bid submission due date has changed to Monday, May 20th, 2024 at 2:00 PM. Place remains unchanged.
2. All roof curbs shall be 24 inches in height. Refer to attached specification.
3. Existing roof at both campuses is under the warranty of Firestone Building Products. Roofing work shall be performed by an approved Roofing Contractor that can maintain such warranty. In example, TADCO Roofing (956-227-4339).

C. SPECIFICATIONS:

1. Add the following Specifications to the Project and to the Table of Contents:
 - a. Section 000870: Texas Department of Public Safety Background Check Request Form. See attached.
 - b. Section 000880: IDEA Public Schools Risk Management Department Vendor Active Employee List & Campus Assignment. See attached.
 - c. Section 077200: Roof Accessories. See attached.
 - d. Section 077300: Additional Requirements Roof Curbs and Restraining Brackets. See attached.

TEXAS DEPARTMENT OF PUBLIC SAFETY BACKGROUND CHECK REQUEST FORM



This document to be completed by any and all individuals (“Vendor/Contractor”) that will provide services to IDEA Public Schools in connection with a services contract involving continuing duties beyond one (1) school day AND direct contact with students. IDEA Public Schools considers “direct contact” with students as having an opportunity for substantial verbal, physical or virtual interaction with students (*Make copies for each individual involved in providing services under this contract, as needed*). **Please submit completed forms to: Riskmanagementvendorbackgroundchecks@ideapublicschools.org**

CONSULTANT, CONTRACTOR, VENDOR, PRIVATE DUTY NURSE, ETC...

Legal Name: _____

Business Name: _____

Type of Service: _____

Relationship to Vendor (*select one*): Employee Independent Agent Subcontractor Self-employed

Dates of Service: _____

For *Private Duty Nurse* Name of Student: _____

Campus/Dept: _____

Contact Numbers (Cell Preferred): _____

E-Mail Address: _____

Social security number: _____ (Please do not include copy of SS card)

Will individual be on school grounds, which may result in direct contact w/students Yes No

If individual has been fingerprinted previously in accordance w/Senate Bill 9, please indicate so below:

Yes No SID Number (if known): _____

Have you ever been arrested or convicted of a felony offense or an offense that requires you to register as sex offender? Yes No

PLEASE MAKE SURE TO INCLUDE THESE ITEMS WHEN SUBMITTING THIS FORM:

- ▶ Texas Department of Public Safety Background Check Request Form
- ▶ Confidential Form
- ▶ A clear copy of individual’s Driver License or state-issued ID

CAMPUS/DEPARTMENT ONLY

Requested by:

Name

Campus/Dept.

Date

INTERNAL USE ONLY

- Fingerprint Upload
- Fingerprint Search
- Not fingerprinted or Not Required

SID: _____

Subscribed till: _____

By: _____

Date: _____

Approved: Yes No

Reason for Denied: _____

By: _____

RM Representative

Confidentiality Form



IDEA Public Schools is required by Texas Education Code Chapter 22, Subchapter C to review the criminal history of applicants, employees, independent contractors, student teachers, and certain volunteers. The information requested below is necessary to obtain criminal history record information.

Name: _____
Last First Middle

Date of birth: _____ Driver's License: _____
State and Number

Mailing Address _____
Street City State Zip Code

Sex: Male Female

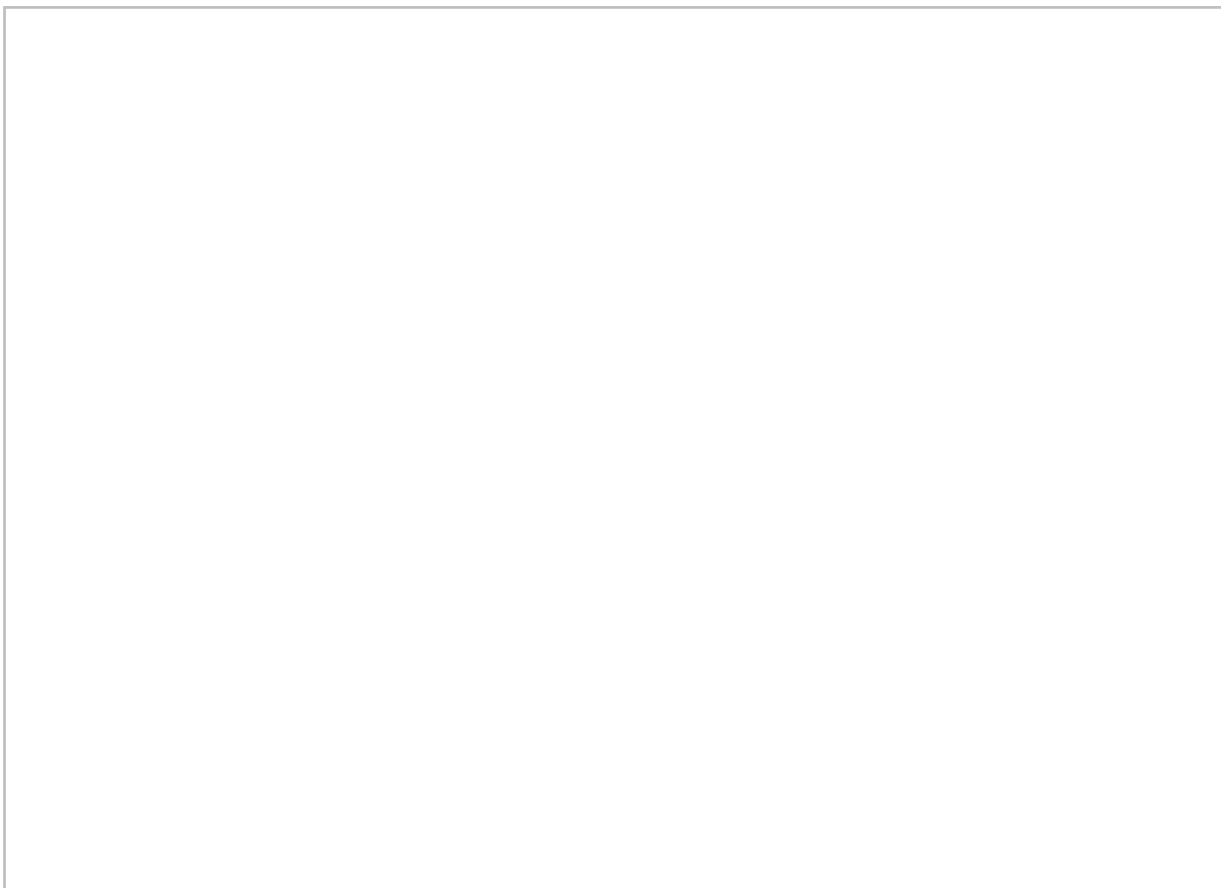
Ethnicity: Black White/Other

I understand that the information I am providing about age, gender, and ethnicity will not be used to determine eligibility of vendor services but will be used *solely* for the purpose of obtaining criminal history record information.*

Signature

Date

**PLEASE INSERT CLEAR PHOTOCOPY OF VALID
DRIVER LICENSE OR STATE-ISSUED ID ON THIS PAGE:**
(Front side only and do not include copy of social security card)

A large, empty rectangular box with a thin black border, intended for the user to place a clear photocopy of a valid driver license or state-issued ID.

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Sex: Male Female

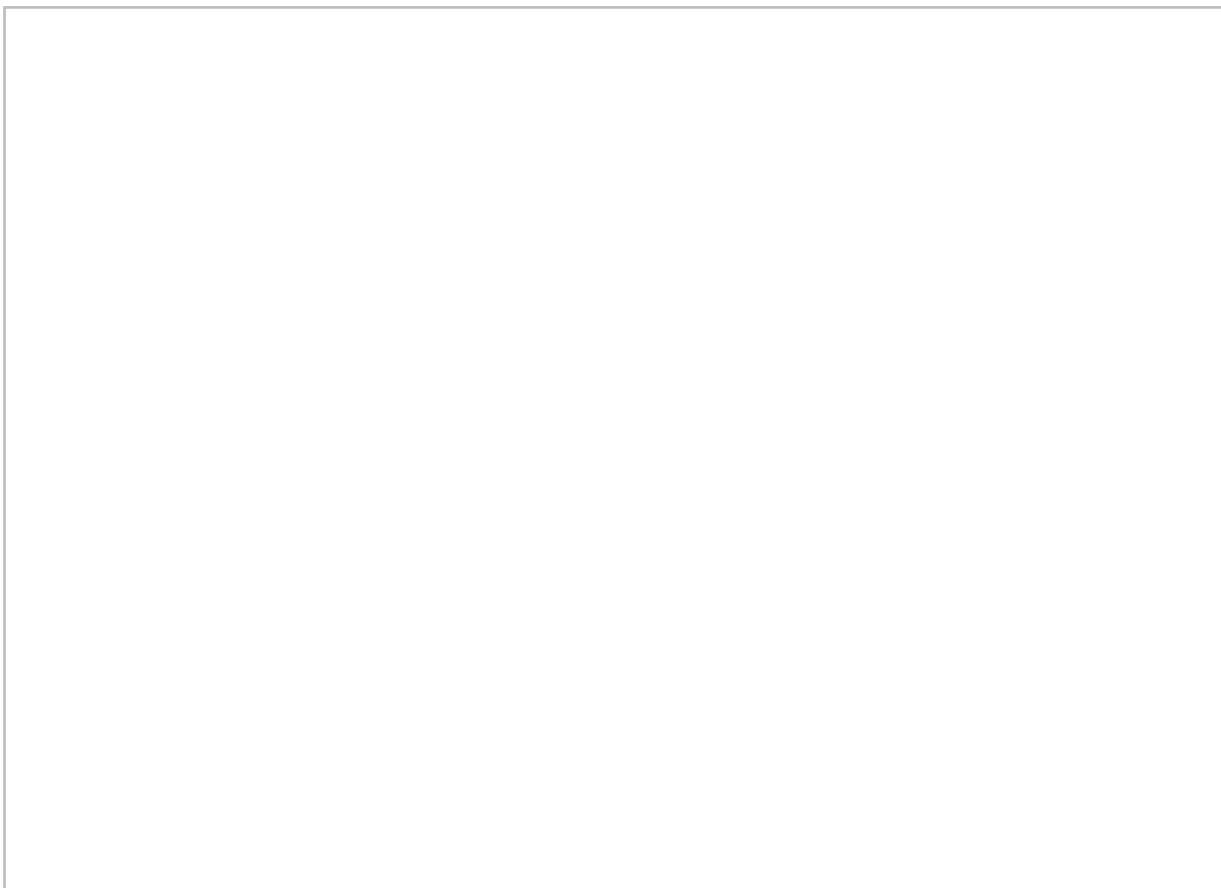
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SECTION 077200 - ROOF ACCESSORIES

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. This Section includes the following: [New factory fabricated roof curb and roof curb adapters.](#)

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, materials, dimensions of individual components and profiles, and finishes.
- B. Coordination Drawings: Roof plans drawn to scale and coordinating penetrations and roof-mounted items. Show the following:
 1. Size and location of roof accessories specified in this Section.
 2. Method of attaching roof accessories to roof or building structure.
 3. Other roof-mounted items including mechanical and electrical equipment, ductwork, piping, and conduit.
 4. Coordinate dimensions with shop drawings of equipment to be supported.

1.4 QUALITY ASSURANCE

- A. Substitutions: Requests for substitution shall be submitted in writing at least 10 days prior to bid date and shall be accompanied by product literature and samples. No substitution will be permitted after bid date.
- B. Standards: Comply with the following:
 1. SMACNA's "Architectural Sheet Metal Manual" details for fabrication of units, including flanges and cap flashing to coordinate with type of roofing indicated.
 2. NRCA's "Roofing and Waterproofing Manual" details for installing units.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. G-90 galvanized steel with paint-grip coating.
- B. Insulation: Manufacturer's standard rigid or semirigid glass-fiber board of 2" thickness, 1-1/2lb density, R8 value.
- C. Wood Nailers: Softwood lumber, pressure treated with waterborne preservatives for aboveground use, complying with AWPA C2; not less than **1-1/2 inches** thick.

SECTION 077200 - ROOF ACCESSORIES

- D. Fasteners: Stainless steel metal as recommended by manufacturer. Match finish of exposed fasteners with finish of material being fastened.
- E. Gaskets: Manufacturer's standard tubular or fingered design of neoprene, EPDM, or PVC; or flat design of foam rubber, sponge neoprene, or cork.
- F. Bituminous Coating: SSPC-Paint 12, solvent-type bituminous mastic, nominally free of sulfur and containing no asbestos fibers, compounded for 15-mil dry film thickness per coating.
- G. Mastic Sealant: Polyisobutylene; nonhardening, nonskinning, nondrying, nonmigrating sealant.
- H. Elastomeric Sealant: Generic type recommended by unit manufacturer that is compatible with joint surfaces; ASTM C 920, Type S, Grade NS, Class 25, and Uses NT, G, A, and, as applicable to joint substrates indicated, O.
- I. Roofing Cement: ASTM D 4586, nonasbestos, fibrated asphalt cement designed for trowel application or other adhesive compatible with roofing system.

2.2 ROOF CURBS

- A. General: Provide roof curbs capable of supporting superimposed live and dead loads, including equipment loads and other construction to be supported on roof curbs. Coordinate dimensions with rough-in information or Shop Drawings of equipment to be supported.
- B. Fabrication: Unless otherwise indicated or required for strength, fabricate units from minimum 16 gauge, galvanized steel with paint grip coating, with welded corners and with seams joined by continuous water and air-tight welds. Tack or spot welding is unacceptable.
 - 1. All external welds shall be prepared and coated with corrosion inhibitor compound.
 - 2. Curb and curb adapter walls shall be insulated with 1-1/2" thick, three-pound density insulation. Exposed edges shall be encapsulated to ensure no insulation erodes into the air stream. Insulation shall be either foil faced or coated with antimicrobial coating such that the fibers are not airborne over the life of the building.
 - 3. Provide preservative-treated wood nailers at tops of curbs and formed flange at perimeter bottom for mounting to roof.
 - 4. Provide formed cants and base profile coordinated with roof insulation thickness.
 - 5. The Manufacturer shall limit static pressure gain to .25 inches/water gauge
 - 6. Fabricate units to minimum height of 24 inches, unless otherwise indicated.
 - 7. Changes in airflow direction to be accomplished by 90-degree elbows with turning vanes.
 - 8. Curb and curb adapters shall be manufactured in one piece except when width exceeds 108". If width exceeds 108", the curb shall be designed with prefabricated joints for ease of installation. It will be manufactured in separate pieces with the number and length of the pieces determined by the total length of the unit. The Manufacturer shall supply drawings for assembly and installation.
 - 9. Curb and curb adapters shall provide full support of the new unit and shall include 3/8" gasketing.
 - 10. Counter flashing shall extend over the original curb a minimum of 1" and be welded and weatherproof.

2.3 FINISHES, GENERAL

SECTION 077200 - ROOF ACCESSORIES

- A. Surface preparation: Oil, grease and other deposits of surface contamination shall be removed by solvent or detergent washing. All surfaces must be clean, dry and free of any dirt, dust, grease, oil or other deleterious materials prior to coating. Care shall be taken to ensure surfaces remain clean before and during coating process.
- B. Application system:
 - 1. Coating shall provide a standard 5 year manufacturer's limited warranty.
 - 2. Finish metal surfaces with a corrosion protection system equal to the following:
 - a. Energy Guard ZRU Primer. Finish coat shall consist of EnergyGuard DCC Cabinet Casing polyurethane coating. Coatings shall be applied by a certified applicator and shall result in a finish with an ASTMB117-90 salt spray rating of 10,000 hours.
 - b. Prime coat of ICI Devran 201 Universal Epoxy Primer to thickness of not less than 3.0 mils DFT (dry film thickness) nor more than 8.0 mils DFT. Minimum recoat time for Devran 201 Universal Epoxy Primer is 3.5 hours at 77 F with 80% RH. Finish coat shall consist of Devthane 379 UVA Aliphatic Urethane Gloss Enamel applied to thickness of not less than 1.0 mils DFT nor more than 5.0 mils DFT.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's written instructions. Coordinate installation of roof accessories with installation of roof deck, roof insulation, flashing, roofing membranes, penetrations, equipment, and other construction involving roof accessories to ensure that each element of the Work performs properly and that combined elements are waterproof and weather tight. Anchor roof accessories securely to supporting structural substrates so they are capable of withstanding lateral and thermal stresses, and inward and outward loading pressures.
- B. Separation: Separate metal from incompatible metal or corrosive substrates, including wood, by coating concealed surfaces, at locations of contact, with bituminous coating or providing other permanent separation.
- C. Flange Seals: Unless otherwise indicated, set flanges of accessory units in a thick bed of roofing cement to form a seal.
- D. Cap Flashing: Where required as component of accessory, install cap flashing to provide waterproof overlap with roofing or roof flashing (as counter flashing). Seal overlap with thick bead of mastic sealant.
- E. Operational Units: Test-operate units with operable components. Clean and lubricate joints and hardware. Adjust for proper operation.

3.2 CLEANING AND PROTECTION

- A. Clean exposed surfaces according to manufacturer's written instructions. Touch up damaged metal coatings.

END OF SECTION 077200

SECTION 077300 - WIND LOAD RATED ROOF CURBS AND RESTRAINT BRACKETS

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. Design, construct, furnish and install **roof curbs and curb adapters**, brackets and related items to meet governing building codes, as demonstrated by comprehensive analysis that the load resisting capabilities meet or exceed requirements.

1.3 QUALITY ASSURANCE

- A. Meet requirements of the [International Building Code](#), ASCE Std 7, TDI, and other applicable codes for the location. This specification shall be a minimum requirement for wind load design consideration, and is not intended as a substitute for legislated, more stringent, national, state or local requirements.
- B. Wind-induced forces shall be determined by governing code requirements.
 - 1. Wind-generated force shall be reduced into an equivalent statically applied force.
 - 2. The statically applied force shall act in horizontal and vertical directions at the center of gravity of the rooftop mounted equipment, resulting in torsion, flexure, tension and shear forces that the wind restraint brackets shall be shown to be able to resist.
- C. Install products in strict accordance with applicable codes and manufacturers' standards. Whenever a conflict occurs between the manufacturers or construction standards, the most stringent shall apply.

1.4 SUBMITTALS

- A. Manufacturer's statement showing that the curbs and wind load restraint brackets meet the applicable code requirements, signed and sealed by a licensed professional engineer (PE). Provide the following:
 - 1. Wind restraint calculations for all connections of rooftop-mounted equipment to roof curb, and roof curb to the structure.
 - 2. Drawings showing curbs, wind restraint bracket dimensions, make and model compatible with rooftop unit, including type of connection hardware required.

PART 2 - PRODUCTS

2.1 ROOF CURBS, ADAPTERS, AND RESTRAINTS

- A. Approved manufacturers of roof curbs and wind load restraint brackets:
 - 1. Curbs Plus, Complete Curbs, Thybar Corporation.
 - 2. Others shall obtain a written pre-approval one week prior to bidding.

SECTION 077300 - WIND LOAD RATED ROOF CURBS AND RESTRAINT BRACKETS

- B. Products shall be made of a material (Prime G-90 galvanized steel or galvalume) compatible with roof curb and the rooftop unit base-rail material. Dissimilar metals shall not to be used.
 - 1. Fully welded mitered corners for wind load consideration
 - 2. Base flange attachments for securing curb to structure.
 - 3. Factory installed wood nailer for attachment of roofing material.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Attach rooftop equipment to roof curbs with wind load restraint brackets of size, type and quantity as determined by equipment manufacturer.
- C. Attach roof curb to the building structure at the curb base flanges. Base flange attachment options include anchor bolts, welded connections and mechanical fasteners.
- D. Do not install wind load restraint brackets in a manner that will result in inadequate maintenance access, base-rail damage, or roof curb reduced weight carrying capacity.
- E. Prior to performing installation of restraint brackets, notify Engineer of any conflicts with other trades or equipment that may result in undesirable contact due to inadequate space or other unforeseen conditions. Notify Engineer of any discrepancies between the specifications and field conditions or changes required due to specific equipment selection prior to installation.
- F. Corrective work necessitated by discrepancies or conflicts after installation shall be at the contractor's expense.

3.2 INSPECTION

- A. On completion of installation, inspect the completed system and report in writing any installation error or other faults in the system that could affect the wind load resistant capabilities of the roof top assembly.
- B. The Contractor shall submit a report to the project designer, including the above report with consequent steps taken to properly complete the wind load restraint installation.

END OF SECTION 077300