



Park Hill School District

Building Successful Futures • Each Student • Every Day

ADDENDUM No. 2

Park Hill School District

2019 Roofing Projects

January 30, 2019

You are instructed to read and note the following described changes, corrections, clarifications, omissions, deletions, additions, approvals and statements pertinent to the Construction Documents.

Addendum No. 2 is a part of the Contract Bid and Construction Documents and shall govern in the performance of the Work.

I. General Information

- A. The Bid Form has been revised and attached. Submit your bids on the Revised Bid Form.

II. Scope of Work Additions and Changes

- A. Plaza Middle School – Roof O & Two (2) West Canopies
 - 1. Tear off all roofing and insulation down to gypsum deck.
 - a. Remove all perimeter and projections flashings and metal terminations.
 - b. Tear off Roof O to the red lines separating Roof O2 on the attached drawing.
 - i. Tear off the inside membrane flashing where Roof O meets Roof N.
 - c. Remove all outside fascia metal down to the soffits.
 - d. Remove all gypsum decking on Two West Canopies down to steel pan.
 - e. Remove seven (7) obsolete skylights and curbs on Roof O.
 - i. Cover void in deck with minimum 18-gauge flat-stock metal and support from underside as needed to meet all city and state code requirements.
 - 2. Repair gypsum deck as needed. Provide unit cost pricing on bid form.
 - 3. Install new wood blocking around perimeters and projections to accommodate raised edge details at perimeters and tapered insulation on canopies.

4. Over Roof O gypsum deck, mechanically fasten a trilaminate base sheet with fasteners and discs approved by roofing material manufacturer.
 - a. Space fasteners 9" on center along side-laps and 9" on center in two rows equally staggered down the longitudinal center of the sheet (12" from each edge).
 - i. Increase perimeter edge fastening by 50% and corner fastening by 75%.
5. Over West Canopy Roofs, mechanically fasten 5/8" Securock board per roofing manufacturers requirements.
 - a. Adhere tapered fiberboard insulation with 1/4" slope and 1" starting height to the north perimeters.
6. Over the nailed base sheet on Roof O and the tapered fiberboard on the Two West Canopy Roofs, install the following:
 - a. Adhere trilaminate base sheet in hot Type IV asphalt.
 - b. Adhere 3-ply of Type VI fiberglass felt in hot Type IV asphalt.
 - c. Adhere projections and perimeter 2-ply flashing with modified elastomeric hot asphalt.
 - i. Two-ply flashing shall consist of a trilaminate base ply and TRA top membrane.
 - ii. At control joint separating Roof O from Roof N, wrap new flashing to the inside bottom edge of Roof N and then strip in with 3-course reinforcement.
7. At Roof O and Roof O2 tie-in:
 - a. Spud back gravel on Roof O2 a minimum of two feet.
 - b. Extend new roofing base sheet and plies onto Roof O a minimum of 18".
 - i. Feather all layers onto Roof O2 to provide a smooth transition without causing ponding water.
8. Install new 24-gauge pre-finished metal terminations at all projections and perimeters.
 - a. Install new fascia metal turning under and onto soffit a minimum of 2".
 - b. Install new gutter gravel stop at north ends of both canopies.
 - i. Install new matching gutter and downspouts.
 - ii. Install concrete splash blocks under downspouts.
 - c. Install new raised edge details along the north and west perimeters of Roof O and south and west perimeters of West Canopies.
 - d. Install new metal cap detail at control joint separating Roof O from Roof P and Roof J.
 - e. Install new surface mount counterflashing detail at east walls of both canopy roofs.
 - i. Install vertical metal end cap flashing to terminate into new counterflashing and perimeter flashing.
 - f. Install new gravel dam detail around all drains on Roof O.
9. Install modified elastomeric hot asphalt flood coat and Kunshek gravel surface.

10. Coat all perimeter and base flashing, gas lines, drain strainers, and rusted equipment with 2 coats of fibrated aluminum coating.
 11. Install new specified hanger supports every 8' on-center at both gas lines.
- B. Plaza Middle School – Roof P
1. Install new specified hanger supports every 8' on-center at gas line.
- C. Plaza Middle School – Roof R
1. Remove and replace all ridge cap foam closures on both east and west sides.
 - a. New closures shall be made to securely fit the size of the openings and shall set in a bead of urethane sealant or double-sided butyl tape.
 - b. Prior to installing new closures reinforce all interior joints with 3-course reinforcement of elastomeric metal mastic and polyester reinforcement.
 2. All loose and peeling coating around RTU curbs shall be removed and approved by roofing material manufacture prior to repairs and coating.
 3. Replace all existing wood and metal gas line supports with new rubber triangular block supports and shim to fit with new treated wood blocking.
 4. Coat gas line with 2 coats of fibrated aluminum coating.
- D. Prairie Point Elementary
1. Replace all wood blocking supports with rubber triangular block supports with protection treads underneath.
 - a. Install new supports every 8' on-center.
 2. Reinforce all horizontal flashing laps with 3-course reinforcement of modified urethane base coat and polyester.

ACKNOWLEDGEMENT: Each Bidder shall acknowledge receipt of Addendum No. 2 on the Bid Form.

END OF ADDENDUM NO. 2

DOCUMENT 00411 – REVISED BID FORM

Park Hill School District
2019 Roofing Projects

Bidder: _____
(Bidder enter name here)

BASE BID, SINGLE-PRIME (ALL TRADES) CONTRACT

The undersigned Bidder, having carefully examined the Bidding and Contract Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, all as issued by the Owner, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, and allowances as described in the specification documents, necessary to complete the construction with the following exceptions:

- Price includes labor and miscellaneous materials not supplied by the owner.
- Price does not include the attached "Owner Purchased Material List" to be purchased by owner directly.
- All material not listed as purchased by owner shall be the responsibility of this contractor
(See Attachment A forms)

BASE BIDS

- #1. Plaza Middle School
*Roofs N and P – BUR Roof Restoration \$ _____
- #2. Plaza Middle School
*Roof O & Two West Canopies – BUR Roof Replacement \$ _____
- #3. Plaza Middle School
Roof R – Metal Roof Restoration \$ _____
- #4. Prairie Point Elementary
Roofs G, H, I, and J – BUR Roof Restoration \$ _____

*To be awarded to one contractor.

UNIT PRICES

- 1. Gypsum Deck Repair \$ _____ per cubic ft.
- 2. Metal Deck Repair \$ _____ per sq. ft.
- 3. Wood Blocking Replacement \$ _____ per board ft.
- 4. Drain Bowl Replacement (Case iron 5") \$ _____ per drain
- 5. Drain Clamping Ring Replacement (Cast Iron) \$ _____ per ring

BONDING

The undersigned Bidder agrees to furnish a Payment & Performance Bond in the amount of 100% of total contract value.

TIME OF COMPLETION

The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified and shall fully complete 100% of the Work no later than August 9, 2019. If work cannot be completed by August 9, 2019, contractor shall pay as Late Fees the sum of \$1,000.00 for each consecutive working day that the work is not completed thereafter.

ACKNOWLEDGEMENT OF ADDENDA

The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

Addendum No. 1, dated _____
Addendum No. 2, dated _____

CONTRACTOR'S LICENSE

The undersigned further states that he is a duly licensed Contractor, for the type of work proposed, in the State of Missouri, and that all fees, permits, etc., pursuant to the submission of this proposal have been paid in full.

SUBMISSION OF BID

Respectfully submitted this ____ day of _____, 2019.

By: _____
(Name of bidding firm or corporation)

Witness:

By: _____
(Signature)

Attest: _____
(Signature)

(Type or print name)

By: _____

(Type or print name)

Title: _____

(Owner/Partner/President/Vice Pres.)

Title: _____
(Corporate Secretary or Assistant Secretary Only)

Address: _____

Phone: _____

License: _____

Federal ID No.: _____

(Affix Corporate Seal Here)

Attachment A

Owner Purchased Material List for - Base Bid #1 Plaza Middle School – Roofs N and P (BUR Roof Restoration)

The following material list is to be included in the bid form and signed/dated by the Contractor. Failure to provide this information will render your bid unresponsive. The owner is purchasing the following list of material from EducationPlus through a pre-competited national cooperative purchasing organization. Only these materials, in the quantities listed, will be supplied.

The Contractor is responsible for purchasing any additional material directly from the roofing material manufacturer at the contractor's cost. The contractor is also responsible for ALL other items not on this list necessary for the completion of work specified. This includes, but is not limited to, fasteners, wood components, insulation, cants and taper edge, gravel, sheet metal, warranty charges, inspections, maintenance agreements, and other consumable materials.

The unloading of material and the storage of said material in a secure area is the sole responsibility of the contractor. Any unused material will become the property of the contractor at the completion of the project.

<u>Material</u>	<u>Quantity</u>	<u>Container Size</u>
AlphaGuard Bio Top Coat	4 kits	3.1-gallon kits
AlphaGuard Bio Base Coat	6 kits	4-gallon kits
AlphaGuard WB Primer	1 buckets	5-gallon buckets
Burmesh	2 rolls 1 roll	6" x 300' rolls 36" x 300' rolls
Geogard Primer	3 bucket	1-gallon buckets
Ecolastic Adhesive	15 barrels	53-gallon barrels lined
ELS Mastic	36 buckets	5-gallon buckets
Permafab Reinforcement	1 rolls	4" x 300' rolls
TremSeal Pro – Aluminum/Stone	1 cases	30 tube cases
TremSeal Pitch Pan Sealer	1 cases	4 cartridge sets/case – 1.5 gal/case
TremTreads Roof Walkway Panels	4 Panels	3' x 4' x 1/2"

Bidding Contractor: _____

Contractor Signature: _____

Date: _____

Attachment A

Owner Purchased Material List for - Base Bid #2 Plaza Middle School – Roofs O & Two West Canopies (BUR Roof Replacement)

The following material list is to be included in the bid form and signed/dated by the Contractor. Failure to provide this information will render your bid unresponsive. The owner is purchasing the following list of material from EducationPlus through a pre-competited national cooperative purchasing organization. Only these materials, in the quantities listed, will be supplied.

The Contractor is responsible for purchasing any additional material directly from the roofing material manufacturer at the contractor's cost. The contractor is also responsible for ALL other items not on this list necessary for the completion of work specified. This includes, but is not limited to, fasteners, wood components, insulation, cants and taper edge, gravel, sheet metal, warranty charges, inspections, maintenance agreements, and other consumable materials.

The unloading of material and the storage of said material in a secure area is the sole responsibility of the contractor. Any unused material will become the property of the contractor at the completion of the project.

<u>Material</u>	<u>Quantity</u>	<u>Container Size</u>
Alumanation 301	8 buckets	5-gallon bucket
Burmastic Composite Ply HT	100 rolls	20 rolls per pallet – 2/sq/roll
Burmastic Supreme Composite Ply	80 rolls	20 rolls per pallet - 2/sq/roll
ELS Mastic	36 buckets	5-gallon bucket
Premium IV Asphalt	174 cartons	24 cartons per pallet (2,400 lb/ctn)
TRA Flashing	12 rolls 3 rolls	18" x 50' roll 24" x 50' roll
Thermglass Premium Type VI	100 rolls	25 rolls per pallet – 5/sq/roll
Thermastic Adhesive	21 pallets	9 cartons per pallet (55-lb/ctn)
TremSeal Pro - Bronze	1 cases	30 tubes per case
TremSeal Pitch Pan Sealer	1 cases	4 cartridge sets/case – 1.5 gal/case
TremTreads Roof Walkway Panels	15 Panels	3' x 4' x 1/2"

Bidding Contractor: _____

Contractor Signature: _____

Date: _____

Attachment A

Owner Purchased Material List for - Base Bid #3 Plaza Middle School – Roof R (Metal Roof Restoration)

The following material list is to be included in the bid form and signed/dated by the Contractor. Failure to provide this information will render your bid unresponsive. The owner is purchasing the following list of material from EducationPlus through a pre-competed national cooperative purchasing organization. Only these materials, in the quantities listed, will be supplied.

The Contractor is responsible for purchasing any additional material directly from the roofing material manufacturer at the contractor's cost. The contractor is also responsible for ALL other items not on this list necessary for the completion of work specified. This includes, but is not limited to, fasteners, wood components, insulation, cants and taper edge, gravel, sheet metal, warranty charges, inspections, maintenance agreements, and other consumable materials.

The unloading of material and the storage of said material in a secure area is the sole responsibility of the contractor. Any unused material will become the property of the contractor at the completion of the project.

<u>Material</u>	<u>Quantity</u>	<u>Container Size</u>
Alumanation 301	25 buckets	5-gallon buckets
GeoGard Seam Sealer	15 kits	5-gallon buckets
GeoGard Seam Sealer	3 cases	12/tubes/case – 2.7 gal/case
Permafab Reinforcement	2 rolls	4" x 300' rolls
TremSeal Pro – Aluminum	1 cases	30 tube cases

Bidding Contractor: _____

Contractor Signature: _____

Date: _____

Attachment A

Owner Purchased Material List for - Base Bid #4 Prairie Point Elementary – Roofs G, H, I, and J (BUR Roof Restoration)

The following material list is to be included in the bid form and signed/dated by the Contractor. Failure to provide this information will render your bid unresponsive. The owner is purchasing the following list of material from EducationPlus through a pre-competed national cooperative purchasing organization. Only these materials, in the quantities listed, will be supplied.

The Contractor is responsible for purchasing any additional material directly from the roofing material manufacturer at the contractor's cost. The contractor is also responsible for ALL other items not on this list necessary for the completion of work specified. This includes, but is not limited to, fasteners, wood components, insulation, cants and taper edge, gravel, sheet metal, warranty charges, inspections, maintenance agreements, and other consumable materials.

The unloading of material and the storage of said material in a secure area is the sole responsibility of the contractor. Any unused material will become the property of the contractor at the completion of the project.

<u>Material</u>	<u>Quantity</u>	<u>Container Size</u>
AlphaGuard Bio Top Coat	26 kits	3.1-gallon kits
AlphaGuard Bio Base Coat	40 kits	4-gallon kits
Burmesh	2 rolls	6" x 300' rolls
Ecolastic Adhesive	31 barrels	53-gallon barrels lined
ELS Mastic	36 buckets	5-gallon buckets
Geogard Primer	2 buckets	5-gallon buckets
Permafab Reinforcement	4 rolls	4" x 300' rolls
Rubber Triangular Pipe Blocks	2 cases	10/case – 4" black
TremSeal Pro – Aluminum/Stone	1 cases	30 tube cases
TremSeal Pitch Pan Sealer	2 cases	4 cartridge sets/case – 1.5 gal/case
TremTreads Roof Walkway Panels	8 Panels	3' x 4' x 1/2"

Bidding Contractor: _____

Contractor Signature: _____

Date: _____

END OF SECTION 00411

Plaza Middle School

Write a description for your map.

Legend

Roof O

Tear off & Replace

New Gas Line Hanger Supports

Remove & Roof over 7 skylights

Roof P
Restore

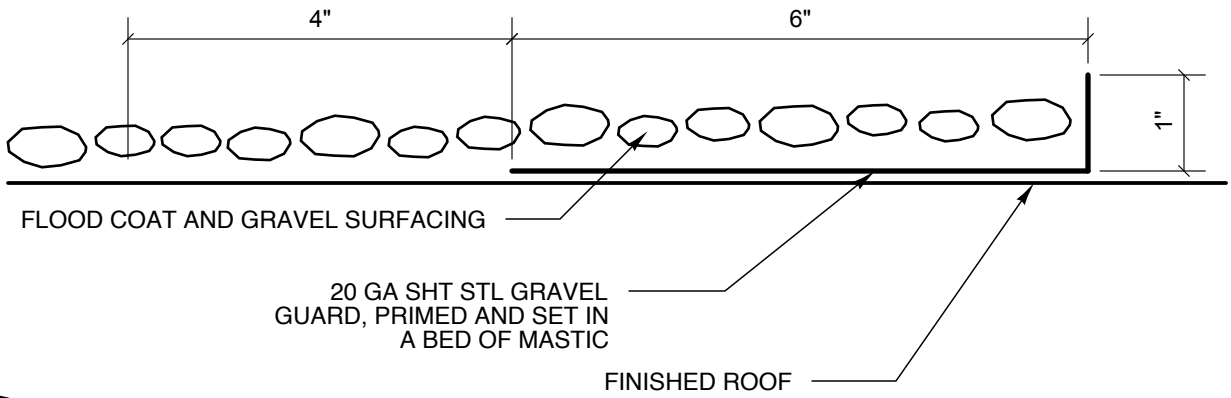
Roof N
Restore

New Gas Line Hanger Supports

Do not tear off Roof O past this line

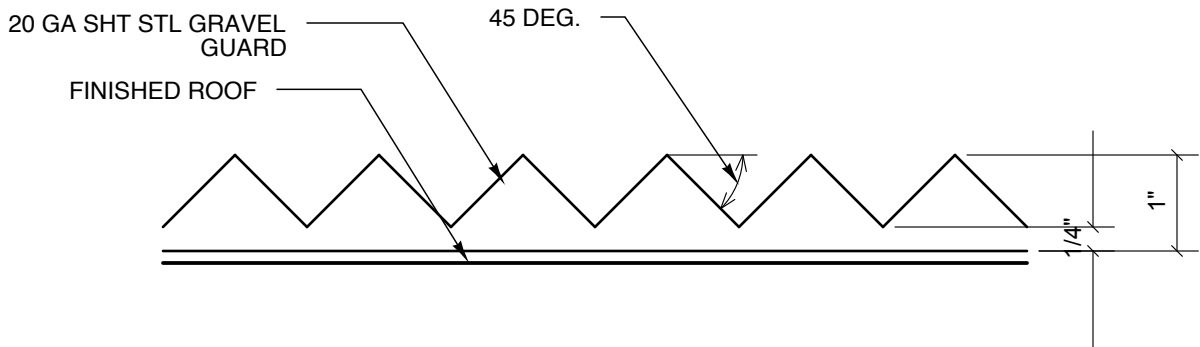
Roof Q2





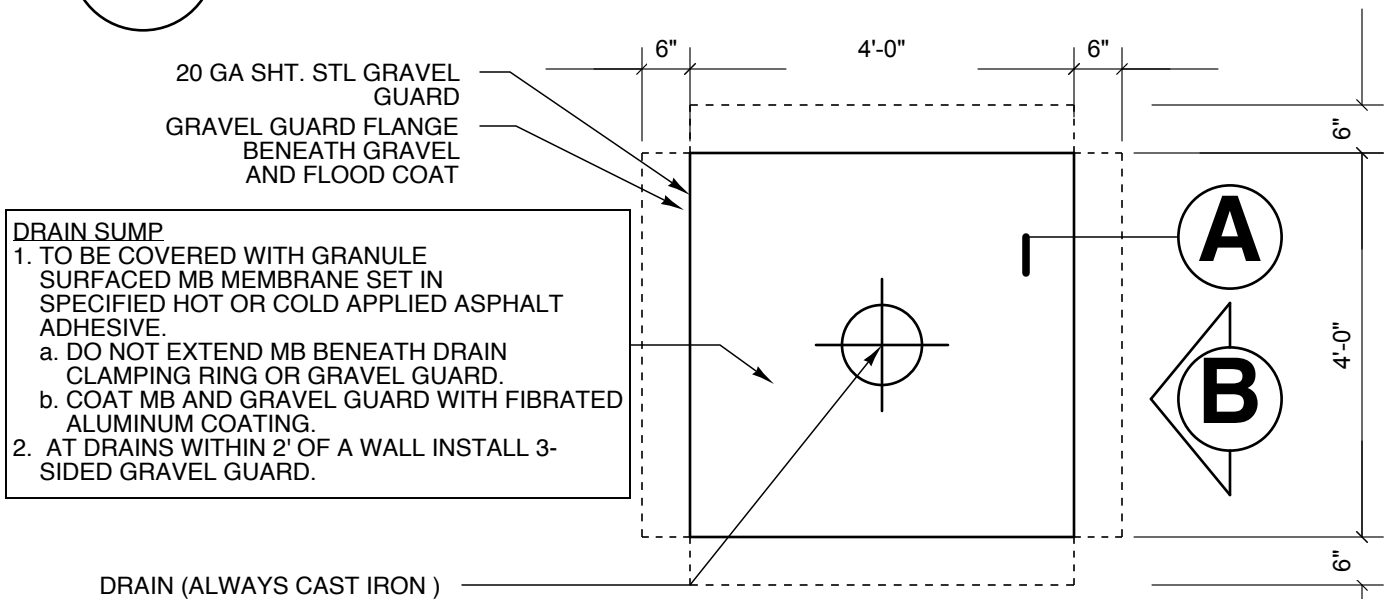
A Drain Gravel Guard Section Detail

Scale: 6" = 1'-0"



B Drain Gravel Guard Partial Elev.

Scale: 6" = 1'-0"



1 Drain Gravel Guard Detail Plan

Scale: 1/2" = 1'-0"