

ADDENDUM NO. 01

Issued: February 12, 2021

Project: Shawnee Mission School District
2021 Roof Improvements

Project No's: 20121.00

Owner: Shawnee Mission School District
8200 W. 71 st Street
Shawnee Mission, Kansas 66204

Bidding Documents Issued: January 27, 2021

This Addendum includes these 2 page[s] and the following attachments:

Pre-Bid Conference Sign in Sheet
Broadmoor, Broken Arrow and Shawnee Mission West Core Analysis and Field Notes
Carlisle 705 VP Substitution Request

Project Manual:

004200 Bid Proposal Forms for Broken Arrow, Broadmoor, Shawnee Mission West High School and
Combination Bid.

Drawings:

N/A

GENERAL – BIDDER'S QUESTIONS

G1 **QUESTION: HOW MUCH DO WE NEED TO FIGURE FOR TUCKPOINTING OF THE BROADMOOR CHIMNEY?**

G1.1 Answer: 100%.

SUBSTITUTION REQUEST APPROVALS

This portion of the addendum designates those materials, products and equipment approved prior to submission of bids, as set forth in the contract documents. Items added to the proposed contract documents by this addendum are the only proposed substitutions received and approved by the architect in accordance with those provisions. No other items shall be substituted or bid as "equals".

It is understood that all items allowed by this addendum are subject to the full provisions of the original proposed contract documents and all modifications thereto and, as such, shall match standards of the original specified items with respect to materials, workmanship, design, size, capacity, type, function, finish, performance, quality, warranty, etc. Nothing in this addendum shall be construed as altering those original standards or modifications thereto.

Approvals are based upon the opinion, knowledge, information and belief of the architect at time of issuance of this addendum and reliance upon data submitted. Approvals are therefore interim in nature and subject to reconsideration as additional data, materials, workmanship and coordination with other work are observed



and reviewed. In proposing items allowed by this addendum, bidder assumes all risk, costs and responsibility for item's final acceptance, integration into the work and performance.

SECTION 072500 – WEATHER BARRIERS

Carlisle Fire Resist 705 VP for vapor perimeter weather barrier.

END OF ADDENDUM NO. 01



2021 SMSD Roof Improvement Pre-Bid Attendance Sheet

Jeremy to Everyone: 02:59 PM

Jeremy DeMuth

Danny to Everyone: 02:59 PM

Danny Bryson

Chad Hungate to Everyone: 03:00 PM

Chad Hungate

Lenny.Austin to Everyone: 03:00 PM

Lenny Austin Cornell Roofing and Sheet Metal

Lenny@cornellroofing.com

Brandon MTS to Everyone: 03:00 PM

Brandon Greason MTS Contracting

bgreason@mtscontracting.com

Hans Stutz to Everyone: 03:00 PM

Hans Stutz Db2 Services Inc.

Dave Marr Delta

Joe Logsdon to Everyone: 03:00 PM

Joe Logsdon Roofer's #20

Mike Wood to Everyone: 03:00 PM

Mike Wood SMSD

Victor to Everyone: 03:00 PM

Victor Speers, Cornell Roofing & Sheet Metal, Victor@cornellroofing.com

Richard Paradise to Everyone: 03:00 PM

Rparadise@b-say.com

Tyler Clubb to Everyone: 03:03 PM

Tyler Clubb SMSD

Annie Wallace - Combes Construction to Everyone: 03:04 PM

Annie Wallace - Combes Construction

awallace@combesconstruction.net

Christopher Kayich to Everyone: 03:04 PM

Chris Kayich Chris.Kayich@siplast.com

Paul Coussens – Cornell Roofing and Sheetmetal

Broadmoor Core/Roof System Analysis

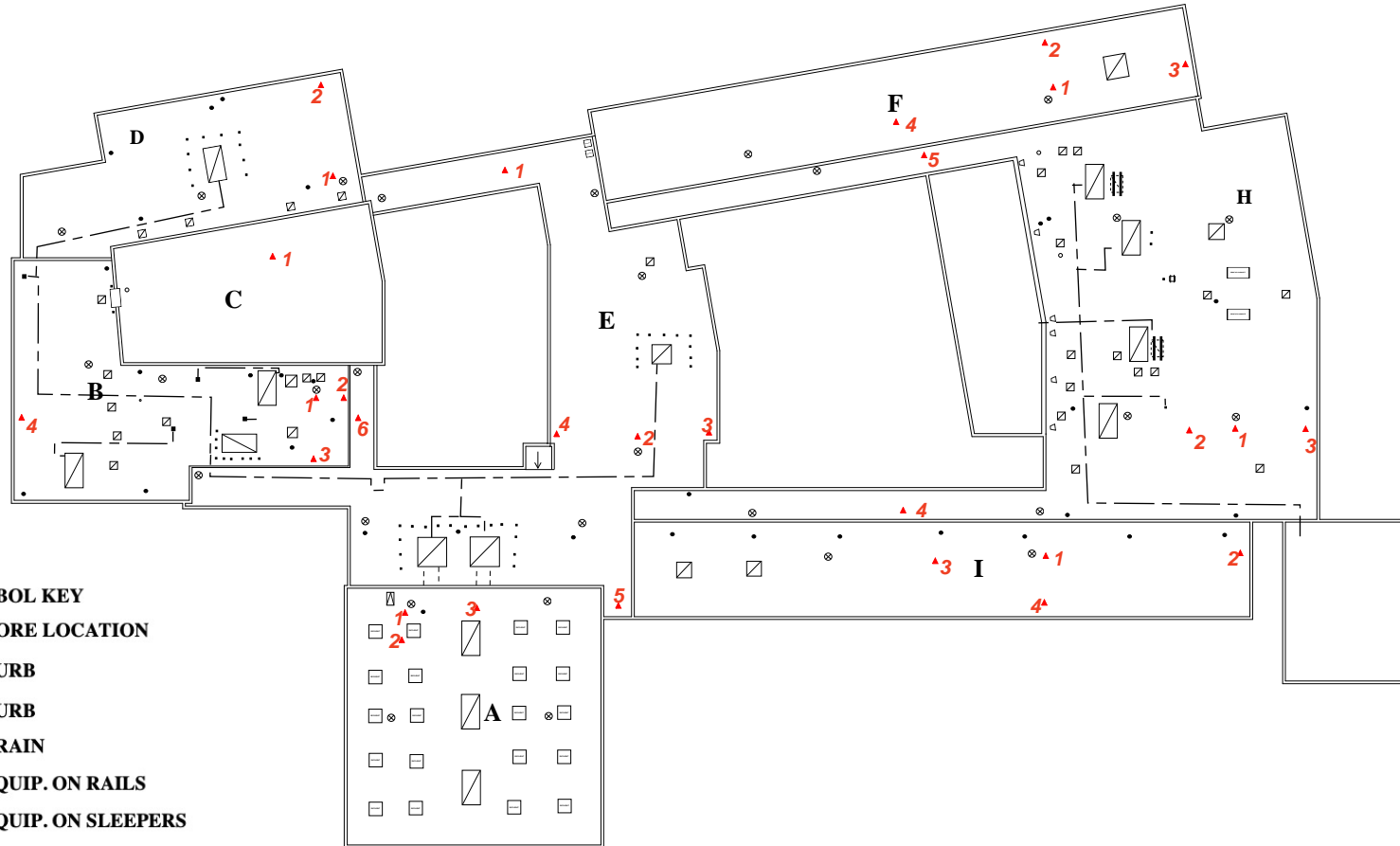
Area A	Area B	Area C	Area D	Area E	Area F	Area H	Area I
Tectum	Metal	Tectum	Metal	Metal	Metal	Metal	Metal
Asphaltic VR	1.5" Iso	Asphaltic Base	1.5" Iso	1.5" Iso	1.5" Iso	1.5" Iso	1.5" Iso
T-EPS (1/8" +/-)	Asphaltic Base	1.5" Iso	Asphaltic Base	Asphaltic Base	Asphaltic Base	Asphaltic Base	Asphaltic Base
1/2" WF	T-EPS (1/8" +/-)	Mod-base	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)
Mod-base	1/2" WF	Mod-cap	1/2" WF	1/2" WF	1/2" WF	1/2" WF	1/2" WF
Mod-cap	Mod-base		Mod-base	Mod-base	Mod-base	Mod-base	Mod-base
	Mod-cap		Mod-cap	Mod-cap	Mod-cap	Mod-cap	Mod-cap
Drain 1"+/- above deck	Drain 1"+/- above deck		Drain 1"+/- above deck	Drain 1"+/- above deck	Drain 1"+/- above deck	Drain 2"+/- above deck	Drain 1"+/- above deck
No emergency overflow drains or scuppers	No emergency overflow drains or scuppers		No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers
Deck nominal slope	Deck nominal slope	Structural slope 5/12 +/-	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope
Cores	Cores	Cores	Cores	Cores	Cores	Cores	Cores
#1 - 2"	#1 - 4"	#1 - 2.25"	#1 - 4"	#1 - 5.5"	#1 - 4"	#1 - 3.5"	#1 - 3.75"
#2 - 4"	#2 - 6"		#2 - 5.25"	#2 - 4"	#2 - 4"	#2 - 4"	#2 - 9"
#3 - 4"	#3 - 5.5"			#3 - 6"	#3 - 10"	#3 - 4"	#3 - 6"
	#4 - 6"			#4 - 5.25"	#4 - 6"	#4 - 6"	#4 - 3.75
				#5 - 3.75"		#5 - 6"	
				#6 - 6.5"			
				#7 - Elevator roof - metal deck (structural slope), 2-1.5" Iso and Mod-Bit roof.		Appears to have some structural slope and some taper.	

BROADMOOR



SYMBOL KEY

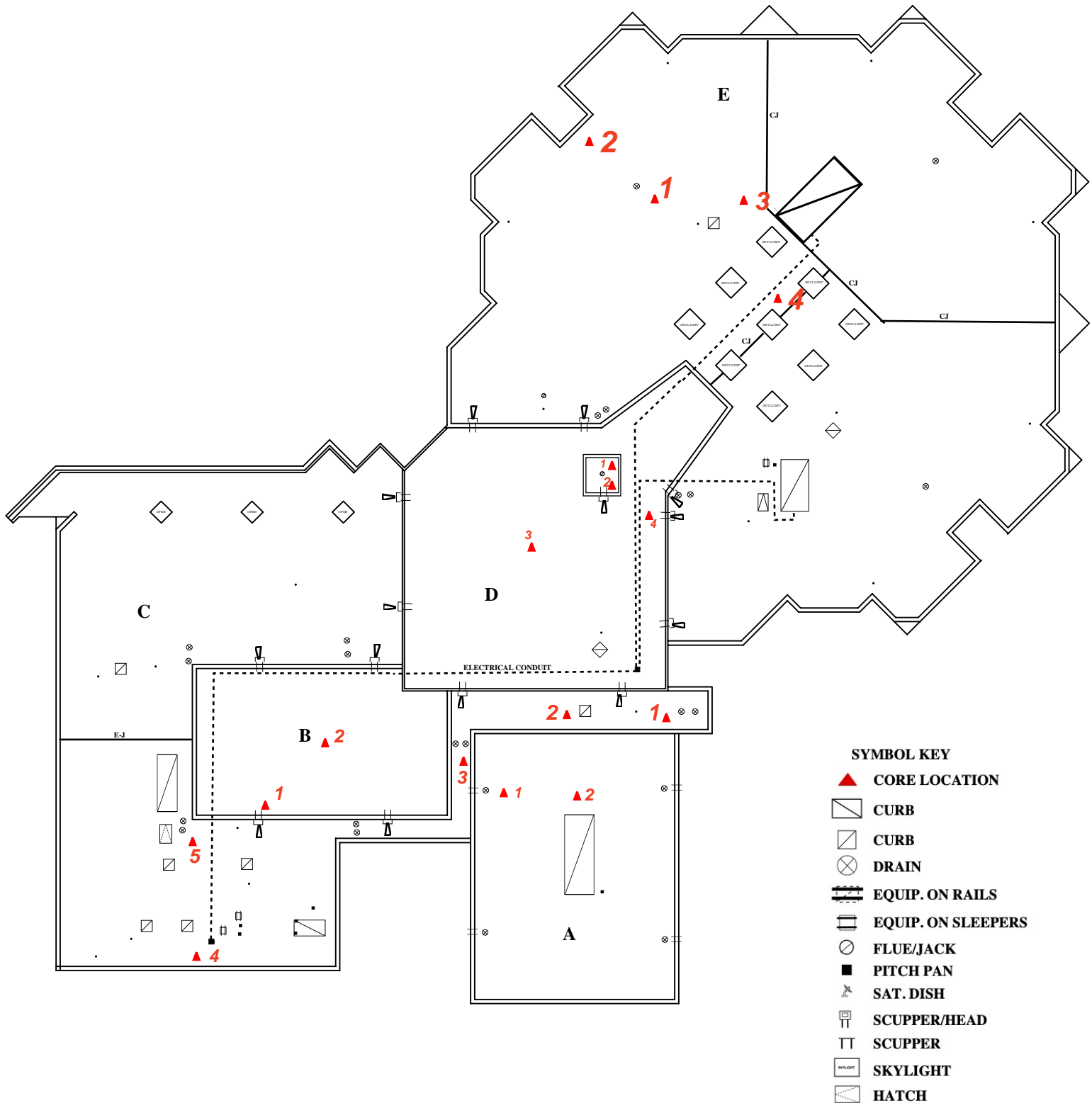
-  CORE LOCATION
-  CURB
-  CURB
-  DRAIN
-  EQUIP. ON RAILS
-  EQUIP. ON SLEEPERS
-  FLUE/JACK
-  PITCH PAN
-  SAT. DISH
-  SCUPPER/HEAD
-  SCUPPER
-  SKYLIGHT
-  HATCH



Broken Arrow Core/Roof System Analysis

Area A	Area B	Area C	Area D	Area D - raised	Area E
Concrete	Tectum	Metal	Metal	Metal	Metal
Asphaltic VR	Asphaltic VR	5/8" gypsum	5/8" gypsum	EPS	5/8" gypsum
1.5" ISO	T-EPS (1/4" +/-)	1" EPS	Asphaltic VR	3/4" fiberglass	Asphaltic VR
1/2" perlite	1/2" perlite	1.5" ISO	1.5" ISO	Mod-base	EPS taper?
Mod-base	Mod-base	1/2" perlite	T-EPS (1/4" +/-)	Mod-cap	1.5" ISO
Mod-cap	Mod-cap	Mod-base	1/2" perlite		1/2" perlite
		Mod-cap	Mod-base		Mod-base
			Mod-cap		Mod-cap
Drain on deck +/-	Scuppers 1.5" +/-	Drains @ 1" +/-	Scuppers @ 5" +/-	Scupper @ 4.5"	Drains @ 3" +/-
					No emergency overflow drains at three (3) locations
Structural slope with crickets		Structural slope with crickets	Deck nominal slope	Structural slope	Some structural slope & some taper? Review structural drawings.
Cores	Cores	Cores	Cores	Cores	Cores
#1 - 3.75"	#1 - 4.5"	#1 - 3.75"	#3 - 11.5"	#1 - 4.5"	#1 - 4"
#2 - 3.75"	#2 - 9"	#2 - 4"	#4 - 6"	#2 - 4.5"	#2 - 5.5"
		#3 - 4"			#3 - 5.5"
		#4 - 4"			#4 - 4.5"
		#5 - 4"			

BROKEN ARROW



West High School Core/Roof System Analysis

Area B	Area C	Area E1	Area E2	Area E3	Area G	Area H	Area P
Tectum	LWC	LWC	Tectum	Tectum	Concrete	Tectum	Concrete
Asphaltic VR	Asphaltic VR	Asphaltic VR	Asphaltic VR	Asphaltic VR	Asphaltic VR	Asphaltic VR	Asphaltic VR
T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/8" +/-)	T-EPS (1/4" +/-)
1/2" WF	1/2" WF	1/2" WF	1/2" WF	1/2" WF	1/2" WF	1/2" WF	1/2" WF
Mod-base	Mod-base	Mod-base	Mod-base	Mod-base	Mod-base	Mod-base	Mod-base
Mod-cap	Mod-cap	Mod-cap	Mod-cap	Mod-cap	Mod-cap	Mod-cap	Mod-cap
Drain on deck +/-	Drain on deck +/-	Drain on deck +/-	Drain on deck +/-	Drain on deck +/-	Drain on deck +/-	Drain on deck +/-	Drain 1.5"+/- above deck
No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers	No emergency overflow drains or scuppers
Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope	Deck nominal slope
Cores	Cores	Cores	Cores	Cores	Cores	Cores	Cores
#1 - 3.5"	#1 - 3.5"	#1 - 2.25"	#1 - 3.5"	#1 - 4"	#1 - 4.5"	#1 - 3"	#1 - 3.25"
#2 - 10"	#2 - 6"	#2 - 4"	#2 - 5"	#2 - 7"	#2 - 6"	#2 - 6.5"	#2 - 8"
#3 - 5"	#3 - 6.5"	#3 - 6"		#3 - 4"	#3 - 3.5"	#3 - 6.5"	
				#4 - 6"	#4 - 6"		
				#5 - 7.5"	#5 - 8"		
					#6 - 9.5"		
					#7 - 8"		

SECTION 004200 - BID PROPOSAL - BROADMOOR TECHNICAL CENTER – ADDENDUM 1

PART 1- GENERAL

1.1 DECLARATION OF BID PROPOSAL

- A. Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as (a corporation) / (a partnership) / (an individual) (circle one) to the Board of Education, Shawnee Mission School District of Shawnee Mission, Kansas (hereinafter called "Owner").

1.2 BID PROPOSAL

- A. In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the SMSD 2021 Roof Improvements in strict accordance with the Contract Documents, within the time set forth herein and at the prices stated below. Bidder should propose on individual base bids for specific project locations as noted below. Owner will award contract per individual base bid.
- B. The Bidder hereby understands that time is of the essence on this project and is aware of the following critical completion dates:

	SUBSTANTIAL COMPLETION	FINAL COMPLETION
ALL work for Broadmoor Technical Center completed	27 July 2021	
ALL Punch List work completed		03 August 2021

- C. The Bidder hereby understands that Liquidated Damages for the delay in completions shall be **\$1000.00** per calendar day.
- D. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.
- E. Bidder acknowledges receipt of the following ADDENDA: _____.
- F. The undersigned, having familiarized itself with local conditions affecting the cost of the work at the place where the work is to be done and with all Bidding Documents, including the Instructions to Bidders, Plans and Specifications, General and Supplementary Conditions, the Standard Form of Agreement and the other Contract Documents, and having examined the location of the proposed work and considered the availability of labor and materials, hereby proposes and agrees to perform everything required to be performed, and to provide and furnish any and all labor, materials, supervision, necessary tools, equipment, and all utility and transportation service necessary to perform and complete in a workmanlike and timely manner all of the work required for the

project, all in strict conformance with the Instructions to Bidders and other Contract Documents (including Addenda noted above, the receipt of which is hereby acknowledged), for the lump sums hereinafter specified.

1.3 BASE BID **BROADMOOR TECHNICAL CENTER**:

A. Bidder agrees to perform all the work described in the Contract Documents for SMSD 2021 Roof Improvements for **Broadmoor Technical Center** for the lump sum total of:

B. _____ Dollars and _____ cents.

C. \$ _____.

1.4 AMOUNTS FOR ALLOWANCES - CONTINGENCY:

A. Bidder agrees to include in the Base Bid amount the following contingency allowances, as called for by the above documents.

Allowance 01: Broadmoor Technical Center	\$20,000.00
Allowance 02: Broadmoor Technical Center Final IR Scan by Integrated Weather Barriers	\$2,380.00

1.5 AMOUNTS FOR UNIT PRICES:

A. Bidder propose to base adjustments in the Contract Sum, if ordered by Architect during the Contract Time, on the unit prices listed below. These prices constitute full compensation or credit for the complete provision and installation for each item listed based solely on Work in place. The Unit Prices as stated include all necessary appurtenances and connections required to complete the Work in place, insurance, overhead, profit, and superintendence.

Unit Price 01: Metal Deck Replacement	\$ _____ / (SF)
Unit Price 02: Tectum Deck Replacement	\$ _____ / (SF)
Unit Price 03: LWIC Deck Replacement	\$ _____ / (SF)

1.6 COMPLETION OF THE WORK

A. If we are notified of the acceptance of the Base Bid of this Proposal within **ninety (90) days** after the above date, we agree to execute a Contract for the above Work, for the above stated compensation in the form of the Standard Agreement Between Owner and Contractor, AIA Document A101-2017, of the American Institute of Architects, as modified by Owner.

1.7 TAX EXEMPTION:

A. This project shall be considered Tax Exempt. Federal, State and local taxes shall not be included with the Bid. Subsequent to the award of the construction contract, the School District will obtain from the State of Kansas , a sales tax exemption certificate number. The sales tax exemption certificate will permit the Contractor to purchase materials for incorporation into this project without paying sales tax, provided that the Contractor furnishes the certificate number to the material supplier.

1.8 CHANGES IN THE WORK:

- A. Changes in the Work shall be as established in the Contract Documents. The Undersigned agrees that his net fees shall set forth below, include Overhead, Profit, and General Requirements (including but not limited to; insurance and bonds.) The following fees shall be used for Lump Sum pricing and actual cost pricing of additions and deletions to that work included in the Bid, namely:

	Profit & Overhead	Not To Exceed
To Contractor for work performed by his/her own forces.	_____ %	10%
To Contractor for work performed by other than his/her own forces.	_____ %	5%
To Subcontractor for work performed by his/her own forces.	_____ %	10%
To Subcontractor for work performed other than his/her own forces.	_____ %	5%

1.9 SUBCONTRACTORS

- A. The bidder hereby certifies that the following subcontractors will be used in the performance of the work on each or both projects. ALL General Contractors MUST furnish a copy of their proposed Sub-Contractor List by 4:00 PM CDT on bid day to be considered as valid. If not submitted at the time of Bidding, the list may be delivered, emailed Justin Durham (jdurham@hollisandmiller.com) to the A/E offices, but must be received by no later than the time listed above.

1.10 BID SECURITY

- A. Bidders whose Bid includes both labor and materials and whose Base Bid amount is \$5,000.00 or greater, agrees to and has attached hereto a Bid Bond for the amount of five percent (5%) of the amount of the Bid submitted.
- B. This Bid Security is to be left in escrow with the Architect. If the Undersigned defaults in executing the Agreement within three (3) days of written notification of the award of the Contract to him, or in furnishing the Performance Bond within fourteen (14) days thereafter, the Bid Security will become the property of the Owner and will be delivered to him by the Architect. If the Undersigned executes and delivers the Agreement and Bond within the time specified, or if the Base Bid of this Proposal is not accepted within sixty (60) days of the time set for submission of Bids, the Bid Security shall be returned to the Contractor upon delivery of a receipt therefore.
- C. If the Undersigned defaults in executing and delivering the above-named Agreement and the required performance Bond, the Owner would sustain liquidated damages for five percent (5%) of the amount of the Bid submitted, the measure of which is the amount of the accompanying Bid Bond, Certified Check, or Cashier's Check, payable to "Shawnee Mission School District".

1.11 ACKNOWLEDGEMENTS

- A. The undersigned further acknowledges that the he has familiarized himself with local conditions affecting the cost of the work at each place where the work is to be done.
- B. In submitting this bid, the undersigned agrees:

1. To furnish all material, labor, tools, expendable equipment, and all utility and transportation services necessary to perform and complete, in a workmanlike manner, all the work required in accord with the bid documents.
 2. To hold this bid open for **ninety (90) days** after the receipt of bids and to accept the provisions of the instructions to bidders regarding disposition of bid security.
 3. To commence the work upon receipt of Notice to Proceed, and to substantially complete the work not later than the dates set forth on the Invitation to Bid. (see specifications)
 4. To accept the assessment of liquidated damages as noted for each calendar day following the substantial completion dates listed above. (see specifications)
 5. All materials to be non-proprietary, as specified, or approved equal as noted in specifications.
- C. In submitting this bid, the undersigned further agrees:
1. In the execution of the Agreement, no person shall on the grounds of race, color, religion, sex, disability, or national origin be excluded from full employment rights, be denied the benefits of, or otherwise subject to discrimination under any program, service, or activity under the provisions of any and all applicable Federal and state laws against discrimination. Bidder shall furnish all information and reports required by the rules, regulations, and order of the Secretary of Labor for purposes of investigating to determine compliance with such laws.
 2. Bidder shall observe the provisions of the Kansas Acts Against Discrimination and shall not discriminate against any person in the performance of work under the Agreement because of race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry.
 3. In all solicitations or advertisements for employees, Bidder shall include the phrase, "equal opportunity employer", or similar phrase approved by the Owner.
 4. If bidder fails to comply with the provisions of K.S.A. 441031, bidder shall be deemed to have breached the Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 5. If bidder is found guilty of a violation of the Kansas Acts Against Discrimination under a decision or order of Owner that has become final, bidder shall be deemed to have breached the present Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 6. Bidder shall include the provisions of paragraphs A through E above in every subcontract or purchase order so that such provisions shall be binding upon all subcontractors and vendors
- D. In submitting this bid, it is understood that the right to reject any and all bids and to waive irregularities in this bidding has been reserved by the Owner.

1.12 SIGNATURES

- A. Signature: _____
- B. Printed Name: _____
- C. Title: _____
- D. Company Name: _____
- E. Address: _____
- F. Phone: _____
- G. Email: _____
- H. Seal: - (if BID is by a corporation)

SUBCONTRACTOR LIST

[illegible]

A. END OF SECTION

SECTION 004200 - BID PROPOSAL - BROKEN ARROW ELEMENTARY SCHOOL ADDENDUM 1

PART 1- GENERAL

1.1 DECLARATION OF BID PROPOSAL

- A. Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as (a corporation) / (a partnership) / (an individual) (circle one) to the Board of Education, Shawnee Mission School District of Shawnee Mission, Kansas (hereinafter called "Owner").

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- A. In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the SMSD 2021 Roof Improvements in strict accordance with the Contract Documents, within the time set forth herein and at the prices stated below. Bidder should propose on individual base bids for specific project locations as noted below. Owner will award contract per individual base bid.
- B. The Bidder hereby understands that time is of the essence on this project and is aware of the following critical completion dates:

	SUBSTANTIAL COMPLETION	FINAL COMPLETION
ALL work for Broken Arrow Elementary School completed	27 July 2021	
ALL Punch List work completed		03 August 2021

- C. The Bidder hereby understands that Liquidated Damages for the delay in completions shall be **\$1000.00** per calendar day.
- D. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.
- E. Bidder acknowledges receipt of the following ADDENDA: _____.
- F. The undersigned, having familiarized itself with local conditions affecting the cost of the work at the place where the work is to be done and with all Bidding Documents, including the Instructions to Bidders, Plans and Specifications, General and Supplementary Conditions, the Standard Form of Agreement and the other Contract Documents, and having examined the location of the proposed work and considered the availability of labor and materials, hereby proposes and agrees to perform everything required to be performed, and to provide and furnish any and all labor, materials, supervision, necessary tools, equipment, and all utility and transportation service necessary to perform and complete in a workmanlike and timely manner all of the work required for the

project, all in strict conformance with the Instructions to Bidders and other Contract Documents (including Addenda noted above, the receipt of which is hereby acknowledged), for the lump sums hereinafter specified.

1.3 BASE BID **BROKEN ARROW ELEMENTARY SCHOOL**:

- A. Bidder agrees to perform all the work described in the Contract Documents for SMSD 2021 Roof Improvements for **Broken Arrow Elementary School** for the lump sum total of:
- B. _____ Dollars and _____ cents.
- C. \$ _____.

1.4 AMOUNTS FOR ALLOWANCES - CONTINGENCY:

- A. Bidder agrees to include in the Base Bid amount the following contingency allowances, as called for by the above documents.

Allowance 01: Broken Arrow Elementary School	\$20,000.00
Allowance 02: Broken Arrow Final IR Scan by Integrated Weather Barriers	\$1,890.00

1.5 AMOUNTS FOR UNIT PRICES:

- A. Bidder propose to base adjustments in the Contract Sum, if ordered by Architect during the Contract Time, on the unit prices listed below. These prices constitute full compensation or credit for the complete provision and installation for each item listed based solely on Work in place. The Unit Prices as stated include all necessary appurtenances and connections required to complete the Work in place, insurance, overhead, profit, and superintendence.

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	Profit & Overhead	Not To Exceed
To Contractor for work performed by his/her own forces.	_____ %	10%
To Contractor for work performed by other than his/her own forces.	_____ %	5%
To Subcontractor for work performed by his/her own forces.	_____ %	10%
To Subcontractor for work performed other than his/her own forces.	_____ %	5%

1.9 SUBCONTRACTORS

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- B. This Bid Security is to be left in escrow with the Architect. If the Undersigned defaults in executing the Agreement within three (3) days of written notification of the award of the Contract to him, or in furnishing the Performance Bond within fourteen (14) days thereafter, the Bid Security will become the property of the Owner and will be delivered to him by the Architect. If the Undersigned executes and delivers the Agreement and Bond within the time specified, or if the Base Bid of this Proposal is not accepted within sixty (60) days of the time set for submission of Bids, the Bid Security shall be returned to the Contractor upon delivery of a receipt therefore.
- C. If the Undersigned defaults in executing and delivering the above-named Agreement and the required performance Bond, the Owner would sustain liquidated damages for five percent (5%) of the amount of the Bid submitted, the measure of which is the amount of the accompanying Bid Bond, Certified Check, or Cashier's Check, payable to "Shawnee Mission School District".

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- A. The undersigned further acknowledges that the he has familiarized himself with local conditions affecting the cost of the work at each place where the work is to be done.
- B. In submitting this bid, the undersigned agrees:

1. To furnish all material, labor, tools, expendable equipment, and all utility and transportation services necessary to perform and complete, in a workmanlike manner, all the work required in accord with the bid documents.
 2. To hold this bid open for **ninety (90) days** after the receipt of bids and to accept the provisions of the instructions to bidders regarding disposition of bid security.
 3. To commence the work upon receipt of Notice to Proceed, and to substantially complete the work not later than the dates set forth on the Invitation to Bid. (see specifications)
 4. To accept the assessment of liquidated damages as noted for each calendar day following the substantial completion dates listed above. (see specifications)
 5. All materials to be non-proprietary, as specified, or approved equal as noted in specifications.
- C. In submitting this bid, the undersigned further agrees:
1. In the execution of the Agreement, no person shall on the grounds of race, color, religion, sex, disability, or national origin be excluded from full employment rights, be denied the benefits of, or otherwise subject to discrimination under any program, service, or activity under the provisions of any and all applicable Federal and state laws against discrimination. Bidder shall furnish all information and reports required by the rules, regulations, and order of the Secretary of Labor for purposes of investigating to determine compliance with such laws.
 2. Bidder shall observe the provisions of the Kansas Acts Against Discrimination and shall not discriminate against any person in the performance of work under the Agreement because of race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry.
 3. In all solicitations or advertisements for employees, Bidder shall include the phrase, "equal opportunity employer", or similar phrase approved by the Owner.
 4. If bidder fails to comply with the provisions of K.S.A. 441031, bidder shall be deemed to have breached the Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 5. If bidder is found guilty of a violation of the Kansas Acts Against Discrimination under a decision or order of Owner that has become final, bidder shall be deemed to have breached the present Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 6. Bidder shall include the provisions of paragraphs A through E above in every subcontract or purchase order so that such provisions shall be binding upon all subcontractors and vendors
- D. In submitting this bid, it is understood that the right to reject any and all bids and to waive irregularities in this bidding has been reserved by the Owner.

1.12 SIGNATURES

- A. Signature: _____
- B. Printed Name: _____
- C. Title: _____
- D. Company Name: _____
- E. Address: _____
- F. Phone: _____
- G. Email: _____
- H. Seal: - (if BID is by a corporation)

SUBCONTRACTOR LIST

[illegible]

A. END OF SECTION

SECTION 004200 - BID PROPOSAL - SHAWNEE MISSION WEST HIGH SCHOOL ADDENDUM 1

PART 1- GENERAL

1.1 DECLARATION OF BID PROPOSAL

- A. Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as (a corporation) / (a partnership) / (an individual) (circle one) to the Board of Education, Shawnee Mission School District of Shawnee Mission, Kansas (hereinafter called "Owner").

1.2 BID PROPOSAL

- A. In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the SMSD 2021 Roof Improvements in strict accordance with the Contract Documents, within the time set forth herein and at the prices stated below. Bidder should propose on individual base bids for specific project locations as noted below. Owner will award contract per individual base bid.
- B. The Bidder hereby understands that time is of the essence on this project and is aware of the following critical completion dates:

	SUBSTANTIAL COMPLETION	FINAL COMPLETION
ALL work for Shawnee Mission West High School completed	27 July 2021	
ALL Punch List work completed		03 August 2021

- C. The Bidder hereby understands that Liquidated Damages for the delay in completions shall be **\$1000.00** per calendar day.
- D. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.
- E. Bidder acknowledges receipt of the following ADDENDA: _____.
- F. The undersigned, having familiarized itself with local conditions affecting the cost of the work at the place where the work is to be done and with all Bidding Documents, including the Instructions to Bidders, Plans and Specifications, General and Supplementary Conditions, the Standard Form of Agreement and the other Contract Documents, and having examined the location of the proposed work and considered the availability of labor and materials, hereby proposes and agrees to perform everything required to be performed, and to provide and furnish any and all labor, materials, supervision, necessary tools, equipment, and all utility and transportation service necessary to perform and complete in a workmanlike and timely manner all of the work required for the

project, all in strict conformance with the Instructions to Bidders and other Contract Documents (including Addenda noted above, the receipt of which is hereby acknowledged), for the lump sums hereinafter specified.

1.3 BASE BID **SHAWNEE MISSION WEST HIGH SCHOOL**:

- A. Bidder agrees to perform all the work described in the Contract Documents for SMSD 2021 Roof Improvements for **Shawnee Mission West High School** for the lump sum total of:
- B. _____ Dollars and _____ cents.
- C. \$ _____.

1.4 AMOUNTS FOR ALLOWANCES - CONTINGENCY:

- A. Bidder agrees to include in the Base Bid amount the following contingency allowances, as called for by the above documents.

Allowance 01: Shawnee Mission West High School	\$20,000.00
Allowance 02: Shawnee Mission West High School Final IR Scan by Integrated Weather Barriers	\$3,290.00

1.5 AMOUNTS FOR UNIT PRICES:

- A. Bidder propose to base adjustments in the Contract Sum, if ordered by Architect during the Contract Time, on the unit prices listed below. These prices constitute full compensation or credit for the complete provision and installation for each item listed based solely on Work in place. The Unit Prices as stated include all necessary appurtenances and connections required to complete the Work in place, insurance, overhead, profit, and superintendence.

Unit Price 01: Metal Deck Replacement	\$ _____ / (SF)
Unit Price 02: Tectum Deck Replacement	\$ _____ / (SF)
Unit Price 03: LWIC Deck Replacement	\$ _____ / (SF)

1.6 COMPLETION OF THE WORK

- A. If we are notified of the acceptance of the Base Bid of this Proposal within **ninety (90) days** after the above date, we agree to execute a Contract for the above Work, for the above stated compensation in the form of the Standard Agreement Between Owner and Contractor, AIA Document A101-2017, of the American Institute of Architects, as modified by Owner.

1.7 TAX EXEMPTION:

- A. This project shall be considered Tax Exempt. Federal, State and local taxes shall not be included with the Bid. Subsequent to the award of the construction contract, the School District will obtain from the State of Kansas, a sales tax exemption certificate number. The sales tax exemption certificate will permit the Contractor to purchase materials for incorporation into this project without paying sales tax, provided that the Contractor furnishes the certificate number to the material supplier.

1.8 CHANGES IN THE WORK:

- A. Changes in the Work shall be as established in the Contract Documents. The Undersigned agrees that his net fees shall set forth below, include Overhead, Profit, and General Requirements (including but not limited to; insurance and bonds.) The following fees shall be used for Lump Sum pricing and actual cost pricing of additions and deletions to that work included in the Bid, namely:

	Profit & Overhead	Not To Exceed
To Contractor for work performed by his/her own forces.	_____ %	10%
To Contractor for work performed by other than his/her own forces.	_____ %	5%
To Subcontractor for work performed by his/her own forces.	_____ %	10%
To Subcontractor for work performed other than his/her own forces.	_____ %	5%

1.9 SUBCONTRACTORS

- A. The bidder hereby certifies that the following subcontractors will be used in the performance of the work on each or both projects. ALL General Contractors MUST furnish a copy of their proposed Sub-Contractor List by 4:00 PM CDT on bid day to be considered as valid. If not submitted at the time of Bidding, the list may be delivered, emailed Justin Durham (jdurham@hollisandmiller.com) to the A/E offices, but must be received by no later than the time listed above.

1.10 BID SECURITY

- A. Bidders whose Bid includes both labor and materials and whose Base Bid amount is \$5,000.00 or greater, agrees to and has attached hereto a Bid Bond for the amount of five percent (5%) of the amount of the Bid submitted.
- B. This Bid Security is to be left in escrow with the Architect. If the Undersigned defaults in executing the Agreement within three (3) days of written notification of the award of the Contract to him, or in furnishing the Performance Bond within fourteen (14) days thereafter, the Bid Security will become the property of the Owner and will be delivered to him by the Architect. If the Undersigned executes and delivers the Agreement and Bond within the time specified, or if the Base Bid of this Proposal is not accepted within sixty (60) days of the time set for submission of Bids, the Bid Security shall be returned to the Contractor upon delivery of a receipt therefore.
- C. If the Undersigned defaults in executing and delivering the above-named Agreement and the required performance Bond, the Owner would sustain liquidated damages for five percent (5%) of the amount of the Bid submitted, the measure of which is the amount of the accompanying Bid Bond, Certified Check, or Cashier's Check, payable to "Shawnee Mission School District".

1.11 ACKNOWLEDGEMENTS

- A. The undersigned further acknowledges that the he has familiarized himself with local conditions affecting the cost of the work at each place where the work is to be done.
- B. In submitting this bid, the undersigned agrees:

1. To furnish all material, labor, tools, expendable equipment, and all utility and transportation services necessary to perform and complete, in a workmanlike manner, all the work required in accord with the bid documents.
 2. To hold this bid open for **ninety (90) days** after the receipt of bids and to accept the provisions of the instructions to bidders regarding disposition of bid security.
 3. To commence the work upon receipt of Notice to Proceed, and to substantially complete the work not later than the dates set forth on the Invitation to Bid. (see specifications)
 4. To accept the assessment of liquidated damages as noted for each calendar day following the substantial completion dates listed above. (see specifications)
 5. All materials to be non-proprietary, as specified, or approved equal as noted in specifications.
- C. In submitting this bid, the undersigned further agrees:
1. In the execution of the Agreement, no person shall on the grounds of race, color, religion, sex, disability, or national origin be excluded from full employment rights, be denied the benefits of, or otherwise subject to discrimination under any program, service, or activity under the provisions of any and all applicable Federal and state laws against discrimination. Bidder shall furnish all information and reports required by the rules, regulations, and order of the Secretary of Labor for purposes of investigating to determine compliance with such laws.
 2. Bidder shall observe the provisions of the Kansas Acts Against Discrimination and shall not discriminate against any person in the performance of work under the Agreement because of race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry.
 3. In all solicitations or advertisements for employees, Bidder shall include the phrase, "equal opportunity employer", or similar phrase approved by the Owner.
 4. If bidder fails to comply with the provisions of K.S.A. 441031, bidder shall be deemed to have breached the Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 5. If bidder is found guilty of a violation of the Kansas Acts Against Discrimination under a decision or order of Owner that has become final, bidder shall be deemed to have breached the present Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 6. Bidder shall include the provisions of paragraphs A through E above in every subcontract or purchase order so that such provisions shall be binding upon all subcontractors and vendors
- D. In submitting this bid, it is understood that the right to reject any and all bids and to waive irregularities in this bidding has been reserved by the Owner.

1.12 SIGNATURES

- A. Signature: _____
- B. Printed Name: _____
- C. Title: _____
- D. Company Name: _____
- E. Address: _____
- F. Phone: _____
- G. Email: _____
- H. Seal: - (if BID is by a corporation)

SUBCONTRACTOR LIST

[illegible]

A. END OF SECTION

SECTION 004200 - BID PROPOSAL – COMBO ADDENDUM 1

PART 1- GENERAL

1.1 DECLARATION OF BID PROPOSAL

- A. Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____, doing business as (a corporation) / (a partnership) / (an individual) (circle one) to the Board of Education, Shawnee Mission School District of Shawnee Mission, Kansas (hereinafter called "Owner").

1.2 BID PROPOSAL

- A. In compliance with your Advertisement for Bids, Bidder hereby proposes to perform all work for the SMSD 2021 Roof Improvements in strict accordance with the Contract Documents, within the time set forth herein and at the prices stated below. Bidder should propose on individual base bids for specific project locations as noted below. Owner will award contract per individual base bid.
- B. The Bidder hereby understands that time is of the essence on this project and is aware of the following critical completion dates:

	SUBSTANTIAL COMPLETION	FINAL COMPLETION
Broadmoor Technical Center	27 July 2021	03 August 2021
Broken Arrow Elementary School	27 July 2021	03 August 2021
Shawnee Mission West High School	27 July 2021	03 August 2021

- C. The Bidder hereby understands that Liquidated Damages for the delay in completions shall be **\$1000.00** per calendar day.
- D. By submission of this Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.
- E. Bidder acknowledges receipt of the following ADDENDA: _____.
- F. The undersigned, having familiarized itself with local conditions affecting the cost of the work at the place where the work is to be done and with all Bidding Documents, including the Instructions to Bidders, Plans and Specifications, General and Supplementary Conditions, the Standard Form of Agreement and the other Contract Documents, and having examined the location of the proposed work and considered the availability of labor and materials, hereby proposes and agrees to perform everything required to be performed, and to provide and furnish any and all labor, materials, supervision, necessary tools, equipment, and all utility and transportation service necessary to perform and complete in a workmanlike and timely manner all of the work required for the

project, all in strict conformance with the Instructions to Bidders and other Contract Documents (including Addenda noted above, the receipt of which is hereby acknowledged), for the lump sums hereinafter specified.

1.3 VOLUNTARY COMBINATION BID: **2021 ROOF IMPROVEMENTS - ALL PROJECTS:**

- A. Bidder agrees to perform all the work described in the Contract Documents for **Broadmoor Technical Center, Broken Arrow Elementary School, and Shawnee Mission West High School** for the SMSD 2021 Roof Improvements for the lump sum total of:

B. _____ Dollars and _____ cents.

C. \$ _____.

1.4 AMOUNTS FOR ALLOWANCES - CONTINGENCY:

- A. Bidder agrees to include in the Base Bid amount the following contingency allowances, as called for by the above documents.

Allowance 01: Broadmoor Technical Center	\$20,000.00
Allowance 02 Shawnee Mission West High School Final IR Scan by Integrated Weather Barriers	\$2,380.00
Allowance 03: Broken Arrow Elementary School	\$20,000.00
Allowance 04 : Broken Arrow Elementary Final IR Scan by Integrated Weather Barriers	\$1,890.00
Allowance 05: Shawnee Mission West High School	\$20,000.00
Allowance 06: Shawnee Mission West High School Final IR Scan by Integrated Weather Barriers	\$3,290.00

1.5 AMOUNTS FOR UNIT PRICES:

- A. Bidder propose to base adjustments in the Contract Sum, if ordered by Architect during the Contract Time, on the unit prices listed below. These prices constitute full compensation or credit for the complete provision and installation for each item listed based solely on Work in place. The Unit Prices as stated include all necessary appurtenances and connections required to complete the Work in place, insurance, overhead, profit, and superintendence.

Unit Price 01: Metal Deck Replacement	\$ _____ / (SF)
Unit Price 02: Tectum Deck Replacement	\$ _____ / (SF)
Unit Price 03: LWIC Deck Replacement	\$ _____ / (SF)

1.6 COMPLETION OF THE WORK

- A. If we are notified of the acceptance of the Base Bid of this Proposal within **ninety (90) days** after the above date, we agree to execute a Contract for the above Work, for the above stated compensation in the form of the Standard Agreement Between Owner and Contractor, AIA Document A101-2017, of the American Institute of Architects, as modified by Owner.

1.7 TAX EXEMPTION:

- A. This project shall be considered Tax Exempt. Federal, State and local taxes shall not be included with the Bid. Subsequent to the award of the construction contract, the School District will obtain from the State of Kansas, a sales tax exemption certificate number. The sales tax exemption certificate will permit the Contractor to purchase materials for incorporation into this project without paying sales tax, provided that the Contractor furnishes the certificate number to the material supplier.

1.8 CHANGES IN THE WORK:

- A. Changes in the Work shall be as established in the Contract Documents. The Undersigned agrees that his net fees shall set forth below, include Overhead, Profit, and General Requirements (including but not limited to; insurance and bonds.) The following fees shall be used for Lump Sum pricing and actual cost pricing of additions and deletions to that work included in the Bid, namely:

	Profit & Overhead	Not To Exceed
To Contractor for work performed by his/her own forces.	_____ %	10%
To Contractor for work performed by other than his/her own forces.	_____ %	5%
To Subcontractor for work performed by his/her own forces.	_____ %	10%
To Subcontractor for work performed other than his/her own forces.	_____ %	5%

1.9 SUBCONTRACTORS

- A. The bidder hereby certifies that the following subcontractors will be used in the performance of the work on each or both projects. ALL General Contractors MUST furnish a copy of their proposed Sub-Contractor List by 4:00 PM CDT on bid day to be considered as valid. If not submitted at the time of Bidding, the list may be delivered, emailed Justin Durham (jdurham@hollisandmiller.com) to the A/E offices, but must be received by no later than the time listed above.

1.10 BID SECURITY

- A. Bidders whose Bid includes both labor and materials and whose Base Bid amount is \$5,000.00 or greater, agrees to and has attached hereto a Bid Bond for the amount of five percent (5%) of the amount of the Bid submitted.
- B. This Bid Security is to be left in escrow with the Architect. If the Undersigned defaults in executing the Agreement within three (3) days of written notification of the award of the Contract to him, or in furnishing the Performance Bond within fourteen (14) days thereafter, the Bid Security will become the property of the Owner and will be delivered to him by the Architect. If the Undersigned executes and delivers the Agreement and Bond within the time specified, or if the Base Bid of this Proposal is not accepted within sixty (60) days of the time set for submission of Bids, the Bid Security shall be returned to the Contractor upon delivery of a receipt therefore.
- C. If the Undersigned defaults in executing and delivering the above-named Agreement and the required performance Bond, the Owner would sustain liquidated damages for five percent (5%) of the amount of the Bid

submitted, the measure of which is the amount of the accompanying Bid Bond, Certified Check, or Cashier's Check, payable to "Shawnee Mission School District".

1.11 ACKNOWLEDGEMENTS

- A. The undersigned further acknowledges that the he has familiarized himself with local conditions affecting the cost of the work at each place where the work is to be done.
- B. In submitting this bid, the undersigned agrees:
 - 1. To furnish all material, labor, tools, expendable equipment, and all utility and transportation services necessary to perform and complete, in a workmanlike manner, all the work required in accord with the bid documents.
 - 2. To hold this bid open for **ninety (90) days** after the receipt of bids and to accept the provisions of the instructions to bidders regarding disposition of bid security.
 - 3. To commence the work upon receipt of Notice to Proceed, and to substantially complete the work not later than the dates set forth on the Invitation to Bid. (see specifications)
 - 4. To accept the assessment of liquidated damages as noted for each calendar day following the substantial completion dates listed above. (see specifications)
 - 5. All materials to be non-proprietary, as specified, or approved equal as noted in specifications.
- C. In submitting this bid, the undersigned further agrees:
 - 1. In the execution of the Agreement, no person shall on the grounds of race, color, religion, sex, disability, or national origin be excluded from full employment rights, be denied the benefits of, or otherwise subject to discrimination under any program, service, or activity under the provisions of any and all applicable Federal and state laws against discrimination. Bidder shall furnish all information and reports required by the rules, regulations, and order of the Secretary of Labor for purposes of investigating to determine compliance with such laws.
 - 2. Bidder shall observe the provisions of the Kansas Acts Against Discrimination and shall not discriminate against any person in the performance of work under the Agreement because or race, religion, color, sex, physical handicap unrelated to such person's ability to engage in the particular work, national origin or ancestry.
 - 3. In all solicitations or advertisements for employees, Bidder shall include the phrase, "equal opportunity employer", or similar phrase approved by the Owner.
 - 4. If bidder fails to comply with the provisions of K.S.A. 441031, bidder shall be deemed to have breached the Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.

5. If bidder is found guilty of a violation of the Kansas Acts Against Discrimination under a decision or order of Owner that has become final, bidder shall be deemed to have breached the present Agreement and it may be canceled, terminated, or suspended in whole or in part, by Owner.
 6. Bidder shall include the provisions of paragraphs A through E above in every subcontract or purchase order so that such provisions shall be binding upon all subcontractors and vendors
- D. In submitting this bid, it is understood that the right to reject any and all bids and to waive irregularities in this bidding has been reserved by the Owner.

1.12 SIGNATURES

- A. Signature:_____
- B. Printed Name:_____
- C. Title:_____
- D. Company Name:_____
- E. Address:_____
- F. Phone: _____
- G. Email:_____
- H. Seal: - (if BID is by a corporation)

SUBCONTRACTOR LIST

[illegible]

A. END OF SECTION

SECTION 012500.01 - SUBSTITUTION PROCEDURES FORM

MAIL TO: HOLLIS + MILLER ARCHITECTS 1828 WALNUT STREET, SUITE 922 KANSAS CITY, MISSOURI 64108	PROJECT: SMSD 2021 ROOF IMPROVEMENTS
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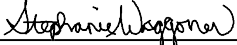
SPECIFIED ITEM: Self-adhering vapor permeable weather barrier

PROPOSED SUBSTITUTE: Carlisle Coating & Waterproofing CCW-705 VP

SUBMITTED BY: Stephanie Waggoner

FIRM: Luna & Associates

ADDRESS: KS/MO

SIGNATURE:  **DATE:** 2/09/2021

PHONE NUMBER: 402-763-0206

ATTACH COMPLETE DESCRIPTION, DESIGNATION, CATALOG OR MODEL NUMBER, SPEC DATA SHEET AND OTHER TECHNICAL DATA AND SAMPLES, INCLUDING LABORATORY TESTS IF APPLICABLE.

FILL IN BLANKS BELOW:

1. WILL SUBSTITUTION AFFECT DIMENSION INDICATED ON DRAWINGS?

No.

2. WILL SUBSTITUTION AFFECT WIRING, PIPING, DUCTWORK, ETC., INDICATED ON DRAWINGS?

No.

3. WHAT EFFECT WILL SUBSTITUTION HAVE ON OTHER TRADES?

None.

4. DIFFERENCES BETWEEN PROPOSED SUBSTITUTION AND SPECIFIED ITEM?

No significant differences. CCW-705 VP performs as a vapor permeable weather barrier.

5. ANY AND ALL IMPACTS ON COSTS, DESIGN MODIFICATIONS, ADDITIONAL ARCHITECTURAL AND ENGINEERING SERVICES, MATERIAL AND LABOR CHANGES, SCHEDULE CHANGES, AND OTHER UNANTICIPATED CONSEQUENCES, RESULTING FROM THIS SUBSTITUTION IN LIEU OF THE SPECIFIED ITEM, SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND HIS SUBCONTRACTORS AND SUPPLIER.

6. MANUFACTURER'S WARRANTIES OF THE SPECIFIED ITEMS AND PROPOSED ITEMS ARE: ☒ SAME OR ☐ DIFFERENT, *EXPLAIN:* _____

REVIEW COMMENTS:

☐ **NO EXCEPTION TAKEN TO SUBMITTED MANUFACTURER**

MANUFACTURER ONLY IS ACCEPTED DUE TO TIME LIMITATIONS FOR FULL REVIEW OF PRODUCT, OR BECAUSE NO SPECIFIC PRODUCT DATA IS SUBMITTED, OR OTHER UNSPECIFIED REASONS. CONTRACTOR MUST STILL BEAR FULL RESPONSIBILITY FOR COMPLIANCE WITH CONTRACT REQUIREMENTS.


☒ NO EXCEPTION TAKEN TO SPECIFIC PRODUCTS

☐ EXCEPTIONS NOTED

SEE ATTACHED COPY OR NOTES ON PRODUCT LITERATURE

☐ NOT ACCEPTED

☐ RECEIVED TOO LATE

BY:  DATE: 02/11/2021

REMARKS: _____

END OF SECTION



AIR & VAPOR BARRIER

Fire Resist 705 VP

Description

Fire Resist 705 VP Air Barrier, manufactured by Carlisle Coatings and Waterproofing, is a composite membrane consisting of a breathable specially engineered film fully coated on one side with a permeable adhesive. The adhesive side of Fire Resist 705 VP has a silicone-coated release film, which is removed and discarded during installation. Fire Resist 705 VP is provided in rolls of various widths and will adhere firmly when pressed against the substrate. Fire Resist 705 VP membrane permits passage of water vapor, yet it performs as a barrier to air and liquid water.

Fire Resist 705 VP is designed for use in above-grade wall assemblies to function as an air- and water-resistive barrier. Fire Resist 705 VP can be applied over many common building materials including gypsum sheathing, foam sheathing, concrete masonry unit (CMU), concrete, wood, structural steel, metal flashings, aluminum extrusions and rigid PVC (i.e. pipe/conduit, window frames). Surface preparation with CCW-702 WB, CAV-GRIP™ or TRAVEL-TACK™ contact adhesive is generally required to promote consistent adhesion.

Features and Benefits

- Composition and low fuel contribution enable use in many NFPA 285 Wall Assemblies.
- Immediate rain resistance, including wind-driven rain, after installation
- Printed facer provides easy product identification
- Factory-controlled composition provides uniform coverage
- Self-adhering membrane provides easy, reliable installation
- No spray equipment or mil-thickness measurements required
- Breathable membrane allows passage of water vapor, permitting use in wall assemblies where a vapor barrier is not needed
- Lightweight 4-ft. width rolls allow for fast and easy installation
- Airtightness allows for improved building performance
- Fire Resist 705 VP is a warranted air barrier system from Carlisle Coatings & Waterproofing

Project Conditions

Building codes and project specifications require continuity of the air barrier installation. It is the installer's responsibility to understand the extent and sequencing of air barrier installation on the project. Do not proceed with installation until substrate and project conditions conform to requirements specified in this document. All surfaces accepting Fire Resist 705 VP shall be clean, dry, frost /moisture free and of sound condition. Verify that wall assemblies are dried in, such that water intrusion will not occur from above, behind or around the membrane installation. Manage construction-generated moisture by ventilating and de-humidifying the interior. Gaps and cracks exceeding ¼" in width shall be filled with materials and technique approved by CCW. As Fire Resist 705 VP shall not span any gap in excess of ¼", electrical/mechanical penetrations, structural steel penetrations, columns/beams, expansion/seismic joints, shelf angles, tie-ins to fenestration and transitions to other building assemblies may require extra work and materials to provide suitable surfaces for continuous installation of Fire Resist 705 VP.

Substrate Inspection

Concrete

Shall be cured in place for 7 days minimum. It shall be smooth, with sharp protrusions such as form joints ground flush. Honeycomb and holes/cracks exceeding ¼" across in width shall be filled with grout or mortar.

Concrete Masonry Unit (CMU)

Mortar joints shall be struck flush and shall be free of voids exceeding ¼" across. Mortar droppings shall be removed from brick-ties and all other surfaces accepting Fire Resist 705 VP. Mortar joints shall be allowed to cure 3 days minimum prior to installation of Fire Resist 705 VP.

Gypsum, Wood or Foam Sheathing

Sheathing boards shall be flush at joints, with gaps between boards spaced according to building code and sheathing manufacturer's requirements. Sheathing boards shall also be securely fastened to the structure with proper fastener type, technique and spacing according to building code and sheathing manufacturer's requirements. Sheathing boards shall be repaired or replaced if inspection reveals moisture damage, mechanical

AIR & VAPOR BARRIER

Fire Resist 705 VP

damage or if sheathing boards have exceeded the exposure duration or exposure conditions as required by the sheathing manufacturer. Fill all joints exceeding ¼" in width with approved sealant and strike flush.

When installing CCW sheet membranes and sheet flashings over gyp-sheathing with glass-mat facers, coverage rates for contact adhesives and primers will depend on the porosity and texture of the sheathing and will vary substantially by gypsum sheathing brand and manufacturer. To achieve consistent contact adhesive and/or primer coverage with adequate tack, it may be necessary to decrease the coverage rate (i.e. increase the amount applied) of the contact adhesive and/or primer and/or the application of multiple coats. CCW contact adhesives and primers shall be allowed to dry completely (lower temperatures will extend drying time) before additional coats are applied or membranes installed. Caution should be taken as contact adhesives and/or primers applied to gyp-sheathings with glass-mat facers will take longer to dry than other substrates. Multiple adhesion tests should be performed randomly to verify proper application of primer and ensure a successful application.

OSB, Plywood, Lumber, Pressure-Treated Wood

Wood sheathing inspection carries the same protocol given for gypsum sheathing. In addition, moisture content, measured with a wood moisture meter in the core of the substrate, shall be below 20%. Do not cover any wooden materials with Fire Resist 705 VP if moisture content is 20% or more. Do not encapsulate wood (such as blocking/nailers) with Fire Resist 705 VP, as this will cause premature rot. In most cases fire- and pressure-treated wood must be kiln-dried to accommodate the less-than-20% moisture content requirement.

Surface Preparation

Apply CCW contact adhesive to ALL surfaces accepting Fire Resist 705 VP. CCW-702 WB, CAV-GRIP and TRAVEL-TACK are all acceptable for this application. Follow the application instructions on the respective contact adhesive product data sheet. Under certain conditions, Fire Resist 705 VP can be installed over specific exterior sheathing materials without using contact adhesive. Please consult the CCW Technical Bulletin for more information.

Note: CCW-702, CCW-715 and CCW-702 LV solvent-based contact adhesives are generally NOT acceptable for use with Fire Resist 705 VP, because these contact adhesives are impermeable. CCW-702 or CCW-702 LV may be used in applications where the vapor-permeable feature of Fire Resist 705 VP is not necessary, such as installation over R2+ SHEATHE or similar foil-faced polyiso insulation.

Installation

Install Fire Resist 705 VP in horizontal rows or in vertical runs. Wipe dust or debris from film side of product with a clean, dry rag to assist in forming tight laps. Avoid forming wrinkles and air pockets. Press membrane firmly to substrate with a J-roller, especially at laps, corners and terminations. Overlap adjoining pieces of Fire Resist 705 VP a minimum of 3". Use Fire Resist 705 VP strips for detailing. Sequence the installation to provide shingled laps. Membrane shall bear minimum 3" onto each side of transitions such as joints, angle changes and substrate changes. Membrane shall bear 6" minimum onto adjacent membrane systems such as foundation waterproofing or roofing. **Install self-adhered flashing details directly to substrate, not to Fire-Resist 705 VP.** Use CCW self-adhered flashings to wrap window openings, to treat pipe/duct penetrations and to cover expansion joints as shown in Fire Resist 705 VP details. Seal termination of 705 VP onto self-adhered flashings with approved termination sealant as listed in the 705VP details. Lower installation temperature and dusty conditions may require prepping laps with CCW-702 WB, TRAVEL-TACK or CAV-GRIP as required. Installation below 40°F requires preparation of substrates and laps with CAV-GRIP or TRAVEL-TACK.

Inspection, Repair And Schedule

Protect membrane from damage by other trades. Do not cover work until it has been inspected according to project requirements. Cover Fire Resist 705 VP with cladding system as soon as schedule permits. Do not exceed maximum recommended exposure time of product and accessories. Repair damage to membrane by removing loosely adhered material and re-covering with Fire Resist 705 VP patch, extending beyond the damage by at least 6" in all directions. Where Fire Resist 705 VP patch or re-cover is installed, clean debris from surfaces of the old Fire Resist 705 VP and prepare with CCW contact adhesive. TRAVEL-TACK, a CCW contact adhesive provided in convenient aerosol cans, can be used for this and similar patch or recover applications. Seal terminations of repair patch with approved sealant as listed in 705VP details. If multiple sheets are used in Fire Resist 705 VP repair/re-cover, offset seams of new installation 12" minimum versus underlying Fire Resist 705 VP.

Limitations

- Do not allow any sealants or liquid membranes to contact 705 VP except those listed in the 705VP details or those approved in writing by CCW
- Do not proceed with installation unless ambient and substrate temperature are 20°F or above
- Will not perform as a water resistive barrier in negative side applications
- Do not install below grade, or in areas where ponding water is expected
- Do not install in areas expected to exceed 180°F
- Not intended for traffic resistance or as a wearing surface
- Do not install on roofs

Packaging

Fire Resist 705 VP Full Rolls

48" X 100' roll, 1 rolls/box

Fire Resist 705 VP Slit Rolls

6" X 100' roll, 4 rolls/carton

18" X 100' roll, 1 roll/carton

24" X 100' roll, 1 roll/carton

Other CCW Products:

Self-Adhered Flashings

CCW-705 (60 day exposure limit), Fire-Resist 705 FR-A or AlumaGRIP 701 (use over R2+ and other foam sheathing). Available in various sizes. Consult product literature.

Sure-Seal Pressure-Sensitive Elastoform Flashing

6" X 100' roll, 2 rolls/carton

9" X 50' roll, 1 roll/carton

12" X 50' roll, 1 roll/carton

CCW Contact Adhesives

CCW-702 WB Water Based

CAV-GRIP #40 Aerosol Cylinder

CAV-GRIP gun

CAV-GRIP 18' hose

CAV-GRIP 12' hose

CAV-GRIP 6' hose

TRAVEL-TACK 12-oz aerosol cans, 12/carton

CCW Sealants

LM 800 XL (60 day exposure limit) 29 fl-oz tubes, 12 per box or 5-gal pail

CCW Greenbond WB (60 day exposure limit), 5-gal pail

Other Approved Sealants

Please consult detail 705VP-0A

Storage

Store Fire Resist 705 VP in a protected area below 90°F. In cold weather, condition rolls to 50°F or warmer to facilitate use. Shelf life in original, un-opened packaging is 1 year.

Typical Properties

Property	Method	Results
Color	--	White with black print
Nominal Thickness	ASTM D1177	0.023 inch (23 mils)
Fabric Composition	--	Multi-layer Polyester Composite
Adhesive Composition	--	Pressure-sensitive, permeable acrylic, full coverage of fabric
Tensile Strength	ASTM D882	Minimum 40 lbf/in width
Lap Peel Strength	ASTM D1876	1.0 lbf/in width, minimum
Water Resistance to Hydrostatic Pressure	AATCC-127-03, mod. 22" [55 cm] column of water for 5 hours	No leaking through membrane or 2" bonded lap
	ICC-ES AC-38	Pass
Water Vapor Permeance of membrane	ASTM E96 B (Water Method)	10.53 perms, minimum
	ASTM E96 A (Desiccant Method)	9.05 perms, minimum
Water Vapor Permeance of Contact Adhesive*	ASTM E96B (water method)	15 Perms, minimum
Air Permeance	ASTM E2178	<=0.001 L/s*m ² @ 75 Pa [0.0002 CFM/ft ² @ 1.57 PSM]
Air Leakage Through Assembly	ASTM E 2357	Maximum 0.017 L/s*m ² @ 75 Pa [0.0034 CFM/ft ² @ 1.57 PSF]
Low Temp Flexibility	ASTM D1970 180° bend over 1" mandrel	No cracking at -20°F

* Applied on exterior side of DensGlass Gold. Bare substrate measured 29.75 Perms.

AIR & VAPOR BARRIER

Fire Resist 705 VP

Property	Method	Results
Peel Adhesion	ASTM D903	5 pli typical value applied over DensGlass with recommended primer
Tear Initiation and Propagation	ASTM D4073	>30 lbf
Surface Burning	ASTM E84	Flame Spread Index - 10 Smoke Spread Index - 5
Water Penetration	ASTM E331	Passes 10 PSF after 15 minutes
Heat Release Measured by Cone Calorimeter	ASTM E1354	Effective Heat of Combustion: 16.82 MJ/kg Peak Heat Release Rate: 183 kW/m ² Total Heat Release: 6.1 MJ/m ²