

**ADDENDUM NUMBER 1
BID NUMBER IFB 21-006**

RTU Replacement (Various Locations)

ISSUED: March 27, 2021

**PURCHASING DEPARTMENT
UNIFIED SCHOOL DISTRICT 500
2010 N. 59th STREET, ROOM 370
KANSAS CITY, KANSAS 66104
(913) 551-3200**

Note the following changes to the above-mentioned bid. This information is to be taken into consideration when responding to the original bid document.

- 1. Clarification of Requirements:** For all electrical related work contemplated for each project, Contractors will utilize only District approved electricians for each project for which a bid is submitted. The District will not provide a list of approved electricians, bidders will submit the name of the firm and contact information with their respective bids. The bid form has been modified to allow bidders to identify the electrician/firm they intend to use for each project.
- 2. Clarification of Requirement:** Bid security shall be submitted with each bid in the amount of five percent (5%) of the bid amount. A bid bond is required for each project/location.
- 3. Addition of Missing Documentation:** See Addendum Attachment B attached hereto. This documentation adds an RTU that was omitted from the solicitation as published.
- 4. Delete and Replace:** The Bid Form (Pages 7 thru 10) is hereby deleted in its entirety and replaced with Attachment A of this Addendum 1 (attached hereto). This bid form is to be used by bidders to submit their bids.
- 5. No Other Changes:** No other changes or modification are intended by this Addendum. All other terms and conditions of the solicitation remain in effect.

WE HEREBY ACKNOWLEDGE AND UNDERSTAND THE ABOVE NOTED CHANGES TO THE ORIGINAL BID DOCUMENT AND AGREE TO FURNISH THE ITEMS ON WHICH PRICES ARE QUOTED IN ACCORDANCE WITH ALL TERMS AND CONDITIONS PREVIOUSLY LISTED AND ANY ATTACHED SPECIFICATIONS AND AMENDMENTS.

BY: _____ DATE: _____
TITLE: _____ PHONE: _____
FIRM _____

ADDENDUM 1 ATTACHMENT A – BID FORM

By signing this bid form, the vendor certifies the forms being offered meets or exceeds all requirements and conditions of the bid, special provisions, and specifications. In compliance with the above and subject to all the conditions hereof, the undersigned offers and agrees to furnish all items upon which prices are quoted, at the price set opposite each item.

The undersigned certifies that no Federal, State, County or Municipal tax is included in the above quoted prices and that none will be added. Public schools are TAX EXEMPT. Exemption certificates will be provided upon request.

Bid Form A – Bridges/Wyandot Academy		
1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$	
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$	
a. Manufacturer of New RTU		
b. Model of New RTU		
3. Total (1+2)	\$	
Unit Costs		
4. EMT Conduit Replacement Cost per Linear Foot	\$	per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$	per linear foot
6. Addition of Convenience Outlets per Outlet	\$	per outlet
Number of Days After Receipt of Order to Start Project		Days
Number of Days to Complete Project		Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)		

Bid Form B – Douglas Elementary		
1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$	
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$	
a. Manufacturer of New RTU		
b. Model of New RTU		
3. Total (1+2)	\$	
Unit Costs		

Bid Form B – Douglas Elementary	
4. EMT Conduit Replacement Cost per Linear Foot	\$ _____ per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$ _____ per linear foot
6. Addition of Convenience Outlets per Outlet	\$ _____ per outlet
Number of Days After Receipt of Order to Start Project	_____ Days
Number of Days to Complete Project	_____ Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)	

Bid Form C – Grant Elementary	
1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$ _____
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$ _____
a. Manufacturer of New RTU	
b. Model of New RTU	
3. Total (1+2)	\$ _____
Unit Costs	
4. EMT Conduit Replacement Cost per Linear Foot	\$ _____ per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$ _____ per linear foot
6. Addition of Convenience Outlets per Outlet	\$ _____ per outlet
Number of Days After Receipt of Order to Start Project	_____ Days
Number of Days to Complete Project	_____ Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)	

Bid Form D – Lindbergh Elementary	
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Bid Form D – Lindbergh Elementary

1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$
a. Manufacturer of New RTU	
b. Model of New RTU	
3. Total (1+2)	\$

Unit Costs

4. EMT Conduit Replacement Cost per Linear Foot	\$	per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$	per linear foot
6. Addition of Convenience Outlets per Outlet	\$	per outlet

Number of Days After Receipt of Order to Start Project		Days
Number of Days to Complete Project		Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)		

Bid Form E – New Stanley Elementary

1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$
a. Manufacturer of New RTU	
b. Model of New RTU	
3. Total (1+2)	\$

Unit Costs

4. EMT Conduit Replacement Cost per Linear Foot	\$	per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$	per linear foot
6. Addition of Convenience Outlets per Outlet	\$	per outlet

Number of Days After Receipt of Order to Start Project		Days
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Bid Form E – New Stanley Elementary

Number of Days to Complete Project		Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)		

Bid Form F – Morse Early Childhood Center

1. Cost of Demolition (to include all labor, materials, and other costs to remove and dispose of existing RTU)	\$	
2. Cost of New RTU (to include all labor, materials, and other costs to install and connect to power)	\$	
a. Manufacturer of New RTU		
b. Model of New RTU		
3. Total (1+2)	\$	

Unit Costs

4. EMT Conduit Replacement Cost per Linear Foot	\$	per linear foot
5. Electric Wire Replacement Cost per Linear Foot	\$	per linear foot
6. Addition of Convenience Outlets per Outlet	\$	per outlet

Number of Days After Receipt of Order to Start Project		Days
Number of Days to Complete Project		Days
Identify Electrician to be Used for All Electrical Work (Include Contact Information)		

WE HEREBY AGREE TO FURNISH THE ITEMS ON WHICH PRICES ARE QUOTED ABOVE IN ACCORDANCE WITH ALL TERMS AND CONDITIONS PREVIOUSLY LISTED AND ANY ATTACHED SPECIFICATIONS.

BY: _____ DATE: _____
 TITLE: _____ FIRM: _____
 PHONE: _____ EMAIL: _____



Addendum

March 23, 2021

PKMR – 20.130

PROJECT: KANSAS CITY KANSAS PUBLIC SCHOOLS ELEMENARY SCHOOL ROOFTOP
UNIT REPLACEMENTS

Notice to Contractor:

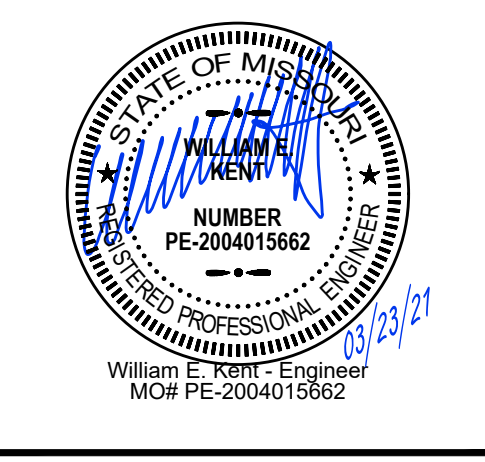
The following described changes, corrections, clarifications, deletions, additions and approvals for the Contract Documents, which comprise of Addendum No. 1, are hereby made a part of the Contract Documents dated May 6, 2020 and shall govern in the performance of the Work. The contractor shall acknowledge receipt of this Addendum.

Drawings

Sheet ME2:

1. Refer to revised sheet for replacement of rooftop unit BRTU-3. Contractor to verify existing electrical requirements and match existing tonnage and electric heat capacities.

END OF ADDENDUM



pkmr
ENGINEERS

PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
13300 W 98TH STREET
913.492.2400

LENEXA, KS 66215
WWW.PKMR.ENG.COM

GENERAL HVAC NOTES

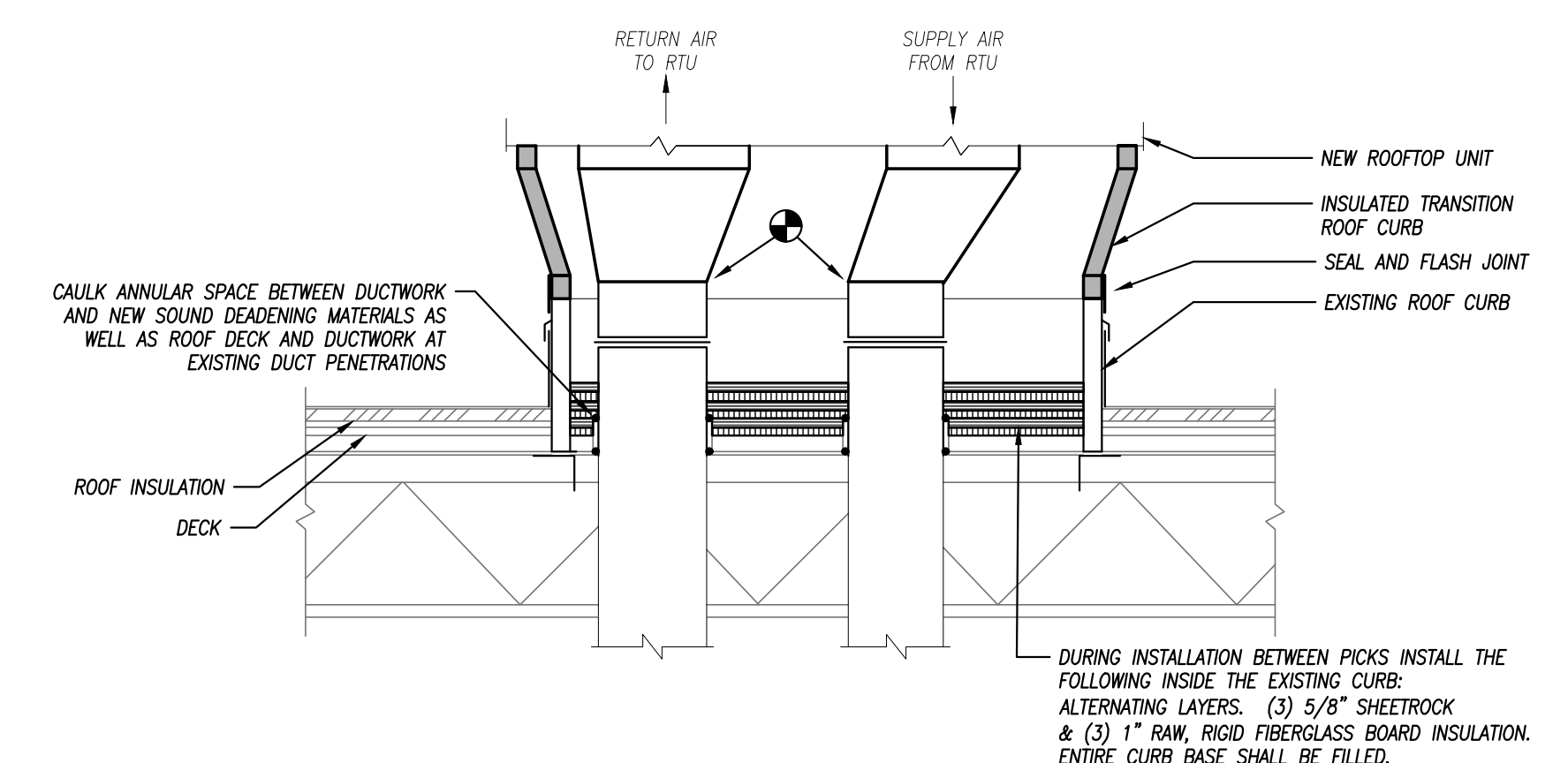
- REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
- ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
- MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
- ALL RUNOUTS TO TERMINAL BOXES SHALL BE ONE SIZE LARGER THAN BOX INLETS UNLESS NOTED OTHERWISE.
- ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOOKABLE VOLUME CONTROL DEVICES.
- ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
- DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.
- PROVIDE ACCESS DOORS IN DUCTS AHEAD OF ALL AUTOMATIC, FIRE, AND SMOKE DAMPERS.
- FOR BALANCING THE OUTSIDE AIRFLOW QUANTITIES, REFER TO HVAC SCHEDULES.

HVAC PLAN KEYED NOTES

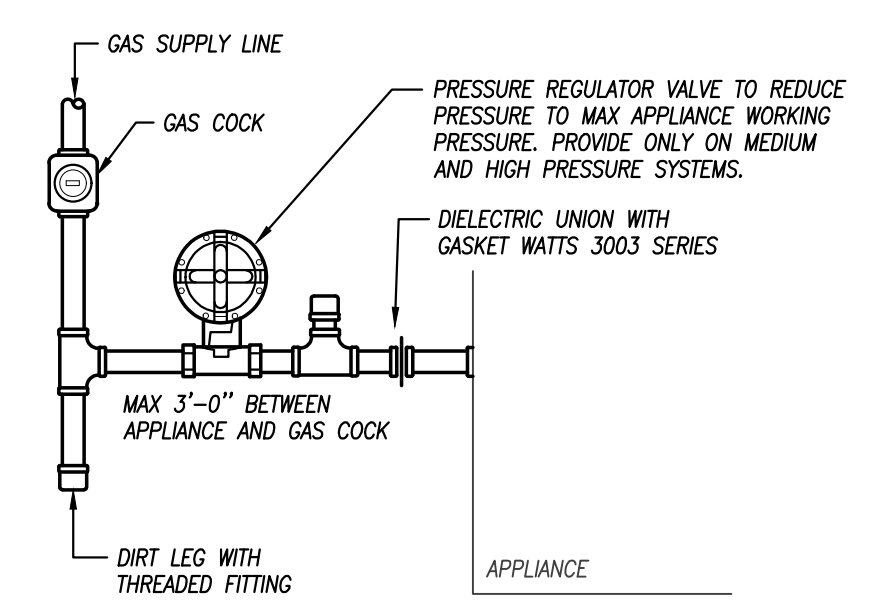
- DISCONNECT GAS PIPING AND ELECTRICAL POWER FEED AND REMOVE EXISTING RTU. EXISTING GAS PIPING, ELECTRICAL, AND ROOF CURB TO REMAIN. REPLACE RTU WITH SIMILAR UNIT IN SAME LOCATION. RECONNECT GAS PIPING AND ELECTRICAL POWER FEEDS. SECURE RTU TO EXISTING WITH NEW TRANSITION CURB. REWORK EXISTING ELECTRICAL FEED TO UNIT AS NECESSARY TO ALIGN NEW UNIT CONNECTION. RECONNECT TO EXISTING FIRE ALARM FOR SHUT DOWN.
- CONTRACTOR TO FIELD VERIFY POWER SOURCE OF EXISTING CONVENIENCE OUTLETS. PROVIDE GFCI CONVENIENCE OUTLETS TO MATCH EXISTING CONFIGURATION. COORDINATE WITH ROOFTOP UNIT ELECTRICAL REQUIREMENTS AS REQUIRED.



MECH/ELEC. - ROOF PLAN
1/8"=1'-0"



ROOFTOP UNIT TRANSITION CURB DETAIL
NOT TO SCALE



TYPICAL GAS CONNECTION
NOT TO SCALE

ROOFTOP UNIT SCHEDULE (GAS HEAT)

PLAN MARK	MANUFACTURER	MODEL	CFM	D.A. CFM	FAN DATA			COOLING COIL			HEATING			FILTERS			ELECTRICAL		NOTES	
					E.S.P.	BHP	HP	EAT (DBWB)	LAT (DBWB)	T/S CAPACITY	EAT/LAT (°F)	GAS IN / OUT (MBH)	ELEC KW	NO.	THICKNESS	SIZE	VOLTAGE/PHASE	MCA		MOCP
RTU-1	YORK	ZJ0375	1,200	85	1.00	0.88	1 1/2	84 / 69	57 / 55	34.5 / 31.4	60 / 109	80.0 / 84.0	---	4	2"	24x16	208V / 3PH	18.6	25	1,2,3,4,5,6,7
RTU-2	YORK	ZJ1025	3,400	850	1.00	2.19	3	84 / 69	57 / 55	110.9 / 106.3	60 / 90	135.0 / 109.0	---	4	2"	24x20	480V / 3PH	20.9	25	1,2,3,4,5,6,7
RTU-3	YORK	ZJ0495	1,800	400	1.00	0.85	1 1/2	84 / 69	57 / 55	47.5 / 43.2	60 / 115	120.0 / 96.0	---	4	2"	24x16	208V / 3PH	24.6	35	1,2,3,4,5,6,7
RTU-4	YORK	ZJ0375	1,200	85	1.00	0.88	1 1/2	84 / 69	57 / 55	34.5 / 31.4	60 / 109	40.0 / 32.0	---	4	2"	24x16	208V / 3PH	18.6	25	1,2,3,4,5,6,7
RTU-5	YORK	ZR1505	5,000	1,250	1.00	4.49	5	84 / 69	57 / 55	142.3 / 123.4	60 / 85	150.0 / 122.0	---	4	2"	24x20	208V / 3PH	70.0	90	1,2,3,4,5,6,7,8
RTU-6	YORK	ZJ0785	2,500	565	1.00	1.12	1 1/2	84 / 69	57 / 55	65.6 / 55.5	60 / 95	120.0 / 97.0	---	4	2"	24x20	208V / 3PH	34.6	45	1,2,3,4,5,6,7
RTU-7	YORK	ZJ0785	2,500	565	1.00	1.12	1 1/2	84 / 69	57 / 55	65.6 / 55.5	60 / 95	120.0 / 97.0	---	4	2"	24x20	208V / 3PH	34.6	45	1,2,3,4,5,6,7
RTU-8	YORK	ZJ1025	3,400	850	1.00	2.19	3	84 / 69	57 / 55	110.9 / 106.3	60 / 90	135.0 / 109.0	---	4	2"	24x20	480V / 3PH	20.9	25	1,2,3,4,5,6,7
RTU-9	YORK	ZJ1025	3,400	850	1.00	2.19	3	84 / 69	57 / 55	110.9 / 106.3	60 / 90	135.0 / 109.0	---	4	2"	24x20	480V / 3PH	20.9	25	1,2,3,4,5,6,7
RTU-10	YORK	ZJ1025	3,400	850	1.00	2.19	3	84 / 69	57 / 55	110.9 / 106.3	60 / 90	135.0 / 109.0	---	4	2"	24x20	480V / 3PH	20.9	25	1,2,3,4,5,6,7
RTU-11	YORK	ZJ0785	2,500	565	1.00	1.12	1 1/2	84 / 69	57 / 55	65.6 / 55.5	60 / 95	120.0 / 97.0	---	4	2"	24x20	208V / 3PH	34.6	45	1,2,3,4,5,6,7
RTU-12	YORK	ZJ0495	1,800	400	1.00	0.85	1 1/2	84 / 69	57 / 55	47.5 / 43.2	60 / 90	120.0 / 96.0	---	4	2"	24x16	208V / 3PH	24.6	60	1,2,3,4,5,6,7,8
RTU-3	YORK	ZJ0495	1,800	400	1.00	0.85	1 1/2	84 / 69	57 / 55	47.5 / 43.2	60 / 90	120.0 / 96.0	---	4	2"	24x16	208V / 3PH	24.6	60	1,2,3,4,5,6,7,8

REMARKS:
1. COOLING CAPACITIES BASED ON 105° AMBIENT TEMPERATURE.
2. FURNISH WITH INTEGRAL SINGLE-POINT ELECTRICAL DISCONNECT.
3. FURNISH WITH STAINLESS STEEL HEAT EXCHANGER AND DRAIN PAN.
4. FURNISH WITH SINGLE-PIECE, FINNED CONDENSER COIL.
5. REMOVE CONTROLS FROM EXISTING UNITS AND REINSTALL AND RECONNECT TO NEW UNIT.
6. FURNISH WITH ECONOMIZER WITH POWERED RELIEF.
7. FURNISH WITH HINGED AND TOOLLESS ACCESS PANEL AND HALL GUARDS.
8. FURNISH WITH HOT GAS REHEAT.

OUTSIDE AIR / HVAC LOAD SCHEDULE

UNIT	NAME #	AREA	CATEGORY	SPACE DESIGNATION	IMC CFM / SQ. FT.	IMC DENSITY / 1000 SQ. FT.	DESIGN OCCUPANCY	IMC CFM / PERSON	OA CFM REQ'D	OA CFM PROVIDED	HEATING DESIGN LOADS (MBH)	COOLING DESIGN LOADS (MBH)
RTU-1	LIBRARY 001	800	EDUCATION	MEDIA CENTER	0.12	25	20	10	296	300	64	36
RTU-2	KINDERGARTEN 011	1125	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	29	10	425			
	KINDERGARTEN 012	1125	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	29	10	425		109	102
RTU-3	KINDERGARTEN 013	1060	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	27	10	387	850	96	48
	ADMIN SEC. 015	1065	OFFICES	OFFICE SPACES	0.06	5	6	5	94	400	32	24
RTU-4	MULTI-PURPOSE 005	2855	AMUSEMENT	GYM, STADIUM, ARENA (PLAY AREA)	0.18	7	20	20	914	100		
	MULTI-PURPOSE 006	780	EDUCATION	MUSIC/THEATER/DANCE	0.06	35	28	10	327	122		150
RTU-5	CLASSROOM 124	823	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	309	1245		
	CLASSROOM 126	823	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	309	97		75
RTU-6	CLASSROOM 122	813	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	308	620		
	CLASSROOM 123	836	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310	97		75
RTU-7	CLASSROOM 106	760	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	19	10	281		109	102
	CLASSROOM 107	760	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	19	10	281			
RTU-8	CLASSROOM 108	746	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	19	10	280			
	CLASSROOM 110	863	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	22	10	324	845		
RTU-9	CLASSROOM 112	835	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310	635	109	102
	CLASSROOM 117	795	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	20	10	295			
RTU-10	CLASSROOM 118	729	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	19	10	277		109	102
	CLASSROOM 119	729	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	19	10	277			
RTU-11	CLASSROOM 105	830	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310	850		
	CLASSROOM 113	833	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310	620	97	75
RTU-12	CLASSROOM 114	835	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310			
	CLASSROOM 115	833	EDUCATION	CLASSROOMS (AGES 5-8)	0.12	25	21	10	310	620	97	75

REMARKS:
1. VENTILATION DETERMINED BY GUIDELINES OF 2012 IMC TABLE 403.3

**KANSAS CITY KANSAS PUBLIC SCHOOLS
ELEMENTARY SCHOOL ROOFTOP UNIT REPLACEMENTS**

KANSAS CITY, KANSAS

ISSUED FOR: _____ DATE: _____

DESCRIPTION: _____

1. ADDENDUM 1 03/23/2021

2. _____

3. _____

© PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC

DRAWN BY: KJ

CHECKED BY: WK

SHEET TITLE: **MECH/ELEC ROOF PLAN**

DATE: 05/06/20 PKMR PROJECT: 20.130

SHEET NUMBER: **ME2**

DOUGLAS ELEM. SCHOOL
1310 N. 9TH STREET
KANSAS CITY, KS 66101