

Addendum 01

DOCUMENT 00 9100

DATE: March 20, 2026

PROJECT: Cedar Cliff Schools Connector Addition and Renovation
194 Walnut St
Cedarville, Ohio 45314

PROJECT #: 25056.00

OWNER: Cedar Cliff Local Schools
Contact: Brian Masser
194 Walnut St
Cedarville, Ohio 45314

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Construction Documents dated March 02, 2026, with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages and 5 re-issued drawing sheets.

FOR INFORMATION ONLY

1. Pre-bid meeting minutes and the pre-bid meeting sign-in sheet are attached.

CHANGES TO THE PROJECT MANUAL

1. Section 01 2100 -1 Allowances, Article 1.04 Allowance Schedule. Add item B, which is to include an \$8,000 allowance for door hardware. Door hardware will be reviewed with the owner after the completion of the bid and sent to the contractor for pricing. The \$8,000 will be used to procure the door hardware.



CHANGES TO THE DRAWINGS

1. Drawing Sheet AD1.0a – Demolition Plan and Reflected Ceiling Plan
 - a. Expanded scope of demolition plan to include flooring to be removed.
 - b. Expanded scope of demolition reflected ceiling plan to match. Nothing additional was added to the demolition reflected ceiling plan.
 - c. Keynotes added to demolition plan and hatched to identify rooms/ corridors with flooring to be removed and type of flooring existing.
 - d. Keynote to remove casework in classroom 310.
2. Drawing Sheet A5.1 - Roof Plan and Details
 - a. 6/A5.1 – Added elevation tag for bottom of new bulkhead framing.
3. Drawing Sheet A6.1 – Door Schedule and Details
 - a. Clarified that note 6 in the door schedule is to be owner provided, contractor installed vinyl emergency numbering. Added the corresponding note to the appropriate doors in the schedule.
4. Drawing sheet S0.1 – Structural Notes
 - a. Structural notes on S0.1 include deep foundation system in the delegated design system. Helical piles are shown in Section C/S2.0 but other deep foundation systems, such as rammed aggregate piers are also acceptable upon review. The design intent is for the column reactions to bear on rock 15' below the surface in the most economical method. Boring log 18 from 2010 is included on sheet S0.1 for reference.
5. Drawing Sheet M2.1 – First Floor Mechanical Plan – Unit A
 - a. Deleted control the units through the building automation system from keynote #8.

ATTACHMENTS

The following attachments are included and are part of this addendum:

Pre-bid meeting minutes and the pre-bid meeting sign-in sheet.

Drawing Sheets: AD1.0a, A5.1, A6.1, S0.1, and M2.1

END OF ADDENDUM





Pre-Bid meeting

Project name	<u>Cedar Cliff South Connector</u>	GM project no.	<u>25056.00</u>
Meeting date	<u>03/10/2026</u>	Meeting location	<u>Cedar Cliff Schools District Office</u>

Minutes

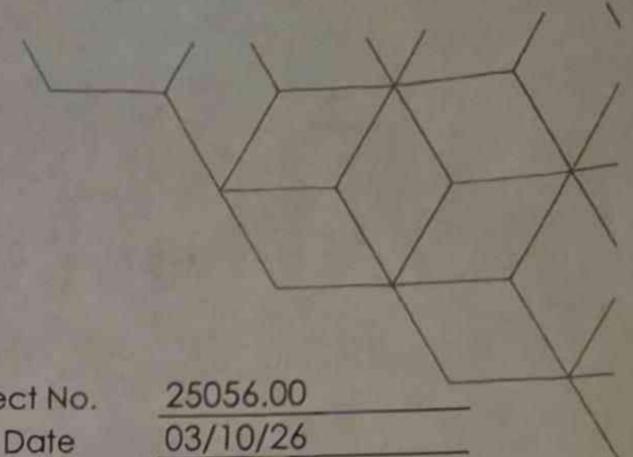
1. Attendees: Sign in sheet
2. Introductions
3. Project overview – New, one story, slab on grade, corridor connector from the 2012 building to the 1982 building, including creating an opening in the 1982 exterior wall, new corridor wall in the 1982 building, new finishes including flooring in part of the 1982 building corridor, and associated plumbing, fire protection, HVAC, electrical, fire alarm and technology work.
4. Bidding
 - a. Date: March 25, 2026, 1:00 pm
 - b. Location: 248 N. Main Street, Cedarville, Ohio, 45314
 - a. Use the bid form provided.
 - b. Plans have been submitted to Village of Cedarville Building Department for review and permits, costs to be paid by owner.
5. Bid categories
 - a. General construction, non-prevailing wage
6. Alternates - none
7. Contracts will be administered by Garmann/Miller & Associates, Inc.
 - a. All questions and correspondence to go through Garmann Miller
 - b. All RFIs to go through Garmann Miller
 - c. Pay applications to go to Garmann Miller
 - d. Garmann Miller will schedule a preconstruction meeting with the contractor after the notice of award.
8. Schedule
 - a. Tentative award date – April 1, 2026
 - b. Start of construction – June 1, 2026 – school is willing to have some work start prior to the end of school.
 - c. Completion date – August 13, 2026 - school is willing to have some work continue after the start school.



9. General conditions
 - a. Waste Removal: by Contractor
 - b. General Contractor
 - i. Responsible for construction schedule and general supervision
 - ii. Submit preliminary schedule 10 days after notice to proceed.
 - iii. Responsible for scheduling and administering job meetings; prepare agenda, responsible for meeting minutes and distributing copies.
 - c. Responsible for field office
 - d. Responsible for telephone service/fax to field office.
 - e. Responsible for sanitary facilities
 - f. Barriers
 - g. Fencing
 - h. Exterior and interior enclosures
 - i. Project sign
10. Temporary electricity
 - a. Electrical contractor to provide service, temporary power, temporary lighting, temporary service to general contractor job trailer.
 - i. Temporary service to other job trailers is the responsibility of individual requiring.
 - b. Cost of electricity by Contractor
11. Temporary heat
 - a. Prior to building enclosure: Contractor requiring.
 - b. After building enclosure:
 - i. Method by contractor
 - ii. Cost by Owner
12. Temporary water
 - a. The general contractor shall connect to water utility supply and pay for installation of temporary metered service including tap fees and extend temporary water service to location required.
 - b. Cost by Owner
13. Substitution request by March 18, 2026, at 5:00 p.m.
14. Correspondence
 - a. Correspondence to run through Garmann Miller
 - b. CURT SOUTH – csouth@creategm.com, Brian Wolf bwolf@creategm.com; Garrick Manning gmanning@creategm.com
15. Questions and Answers
 - a. Question - There is a concern of lead time for the storefront material. Can manufacturers other than the basis of design be provided?
 - i. Answer – yes, there are multiple manufacturers listed in the specifications.



- b. Question – Can the schedule be extended if needed?
 - i. Answer – yes, the school is willing to have some work start prior to the end of school and is willing to have some work continue after the start school.
- c. Question – What is the published estimate of cost?
 - i. Answer – \$440,000.00
- d. Question – Where is the laydown area?
 - i. Answer – west of the new corridor.



Sign-in Sheet

Project Name Cedar Cliff South Connector GM Project No. 25056.00
Meeting Location Cedar Cliff Schools District Office Meeting Date 03/10/26

Purpose Pre-Bid Meeting

Attendees

Name	<u>GARRICK MANNING</u>	Phone	<u>419 953 2528</u>
Business/Title	<u>GARMANN MILLER / CONSTRUCTION ADMIN</u>		
Email	<u>GMANNING@CREATEGM.COM</u>		
Name	<u>Todd Goff</u>	Phone	<u>937 207-2420</u>
Business/Title	<u>Trice electrical services</u>		
Email	<u>T.goff@trice.com</u>		
Name	<u>MATT NIEMEYER</u>	Phone	<u>419-605-5512</u>
Business/Title	<u>GRAND LAKE BUILDING CO.</u>		
Email	<u>MATT@GRANDLAKEBUILDINGCO.COM</u>		
Name	<u>Kris Williams</u>	Phone	<u>937-510-3527</u>
Business/Title	<u>Director of Maintenance Cedar Cliff LSD</u>		
Email	<u>Kris.williams@cccliff.net</u>		
Name	<u>Brian MASSEN</u>	Phone	<u>937-766-6000</u>
Business/Title	<u>DISTRICT (SUPT)</u>	Phone	<u>937-215-7949 (CELL)</u>
Email	<u>bmasser@cccliff.net</u>		
Name	<u>BOBBY ELROD</u>	Phone	<u>937-561-3256</u>
Business/Title	<u>TP MECHANICAL - HVAC</u>		
Email	<u>BOBBY.ELROD@TPMECHANICAL.COM</u>		
Name	<u>ERIC CROH</u>	Phone	<u>513.720.1572</u>
Business/Title	<u>PROBY - DEVELOPMENT</u>		
Email	<u>ECROH@BUILDINGPROBY.COM</u>		
Name	<u>CURT SOUTH</u>	Phone	<u>937.205.3516</u>
Business/Title	<u>GARMANN MILLER / PM</u>		
Email	<u>csouth@creategm.com</u>		

@ creategm.com

Minster, OH | Columbus, OH | Indianapolis, IN | Fort Wayne, IN

NUMBER	DOOR										FRAME			HARDWARE SET	ROOM KEY	FUNCTION	LABEL (MIN)	NOTES
	SIZE	THK	MATL	TYPE	GLASS	DEPTH	MATL	TYPE	DETAIL NUMBER									
									HEAD	JAMB	SILL							
303	3'-0" x 7'-0"	1 3/4"	WD	NL1	G1	8 3/4"	HM	1	-	5/A6.1	4/A6.1	-	-	EXTERIOR	Interior	-	-	6
D17a	3'-0" x 7'-0"	1 3/4"	AL	FG2.1	EG2	6"	AL	SFE1	EG1	2/A6.1	SEE PLAN	1/A6.1	-	EXTERIOR	Exterior	-	-	6
D17b	3'-0" x 7'-0"	1 3/4"	AL	FG2.1	EG2	6"	AL	SFE1	EG1	2/A6.1	SEE PLAN	1/A6.1	-	EXTERIOR	Exterior	-	-	6
D17c	3'-0" x 7'-0"	1 3/4"	AL	FG2.1	EG2	6"	AL	SFE1	EG1	2/A6.1	SEE PLAN	1/A6.1	-	EXTERIOR	Exterior	-	-	6
D17d	3'-0" x 7'-0"	1 3/4"	AL	FG2.1	EG2	6"	AL	SFE1	EG1	2/A6.1	SEE PLAN	1/A6.1	-	EXTERIOR	Exterior	-	-	6
D17e	(2) 3'-0" x 7'-0"	1 3/4"	WD	NL2	G2	4 3/4"	HM	2	-	3/A6.1	SEE PLAN	-	-	EXTERIOR	Interior	90 MIN	-	6

DOOR GENERAL NOTES

A REFERENCE AS SHEETS FOR DOOR AND STOREFRONT DETAILS.
 B REFERENCE SPECIFICATION SECTION 08 71 00 FOR HARDWARE SETS.
 C USE TYPE "X" GYPSUM WALLBOARD WHERE FIRE-RATED WALL ASSEMBLIES ARE CALLED OUT ON THE A1 UNIT PLANS.

DOOR/OPENING SCHEDULE ABBREVIATIONS

SYMBOL DESCRIPTION

AL ALUMINUM
 CD COILING DOOR
 DG DIFFUSING GLASS
 F FLUSH
 FG FULL GLASS
 FRG FIRE RATED GLASS
 HG HALF GLASS
 HM HOLLOW METAL
 IG INSULATED GLASS
 LG LAMINATED GLASS
 N NARROW LITE
 SG SAFETY GLASS
 TG TEMPERED GLASS
 W WOOD

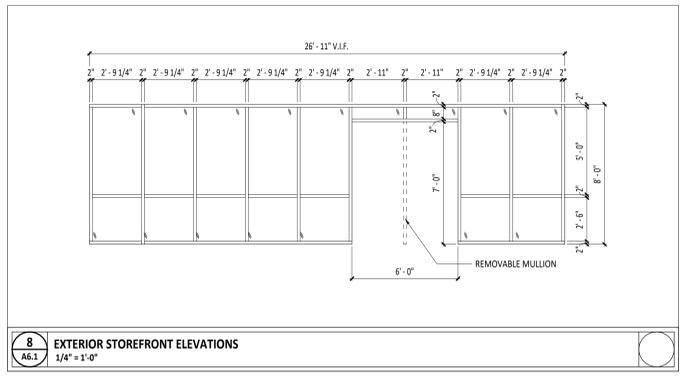
DOOR/OPENING SCHEDULE NOTES

1. ACOUSTICAL DOOR.
 2. DOOR AND FRAME/DOCK BY SECTION ?? ?? ??
 3. REFERENCE ELECTRONIC SCHEMATIC WIRING DIAGRAM DETAIL ?/A6.7.
 4. REFERENCE ELECTRONIC SCHEMATIC WIRING DIAGRAM DETAIL ?/A6.7.
 5. EMERGENCY EXTERIOR VINYL DOOR NUMBERING TO BE OWNER PROVIDED CONTRACTOR INSTALLED.
 6. MINIMUM 50 STC FOR DOOR ASSEMBLY - LAMINATED GLASS.
 7. REMOVABLE MULLION.

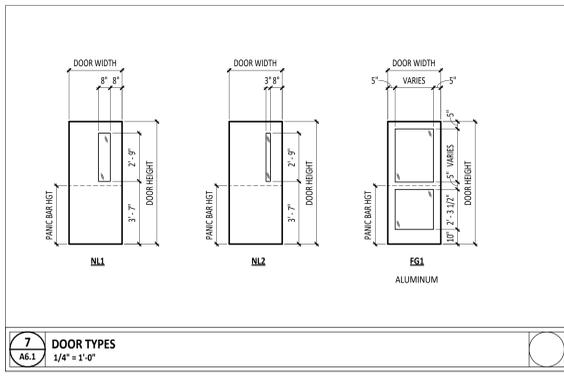
ERIC JAMES BALTZELL
 LICENSE #E-65072
 EXPIRATION DATE: 12/31/2027

GARMANN MILLER

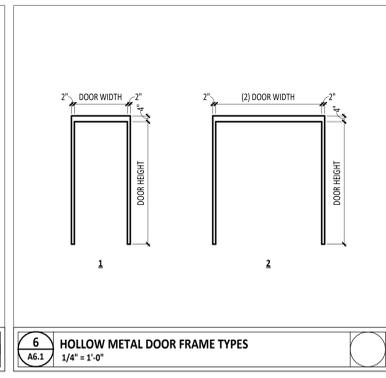
ARCHITECTS | ENGINEERS | INTERIORS | SUSTAINABLE DESIGN | CONSTRUCTION MANAGEMENT



8 EXTERIOR STOREFRONT ELEVATIONS
 1/4" = 1'-0"



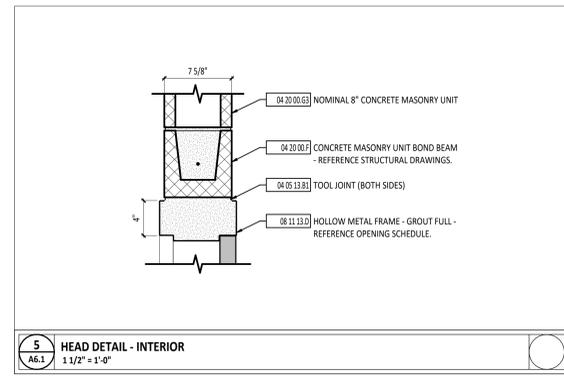
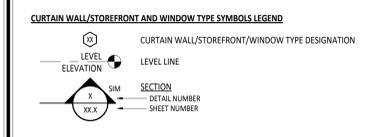
7 DOOR TYPES
 1/4" = 1'-0"



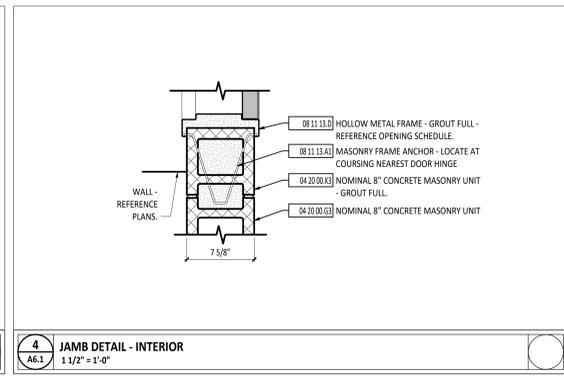
6 HOLLOW METAL DOOR FRAME TYPES
 1/4" = 1'-0"

EXTERIOR STOREFRONT SCHEDULE

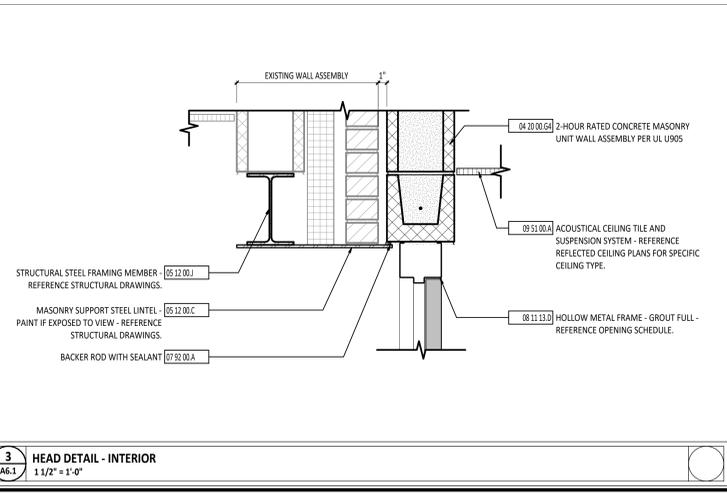
MARK	DESCRIPTION	FUNCTION	NOTES
SFE1	2' x 6' - STOREFRONT - FRONT SET	Exterior	



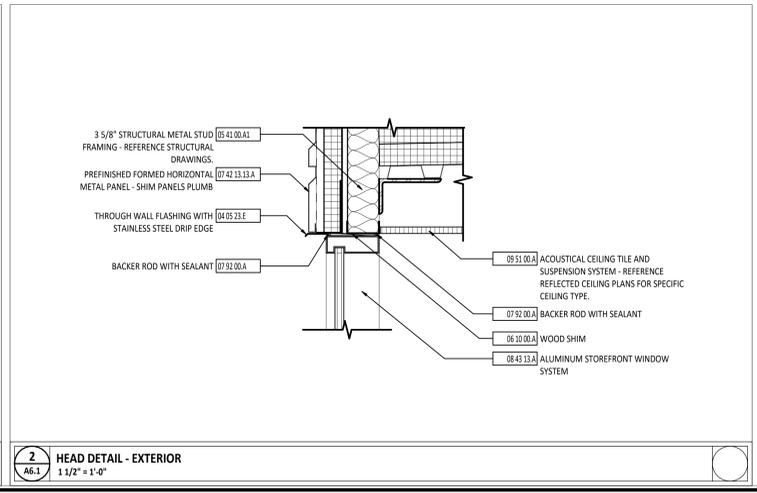
5 HEAD DETAIL - INTERIOR
 1 1/2" = 1'-0"



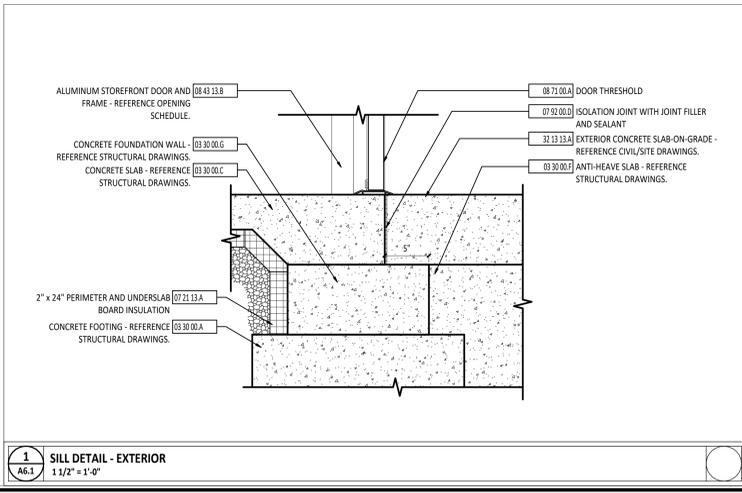
4 JAMB DETAIL - INTERIOR
 1 1/2" = 1'-0"



3 HEAD DETAIL - INTERIOR
 1 1/2" = 1'-0"



2 HEAD DETAIL - EXTERIOR
 1 1/2" = 1'-0"



1 SILL DETAIL - EXTERIOR
 1 1/2" = 1'-0"

ADDITION AND RENOVATION FOR
CEDAR CLIFF LOCAL SCHOOLS - K-12 SOUTH CONNECTOR
 ARCHITECTS | ENGINEERS | INTERIORS | SUSTAINABLE DESIGN | CONSTRUCTION MANAGEMENT

ISSUANCES/REVISIONS

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
25056.00	AMF	CWS

PROJECT NUMBER: 25056.00

DRAWN BY: AMF

CHECKED BY: CWS

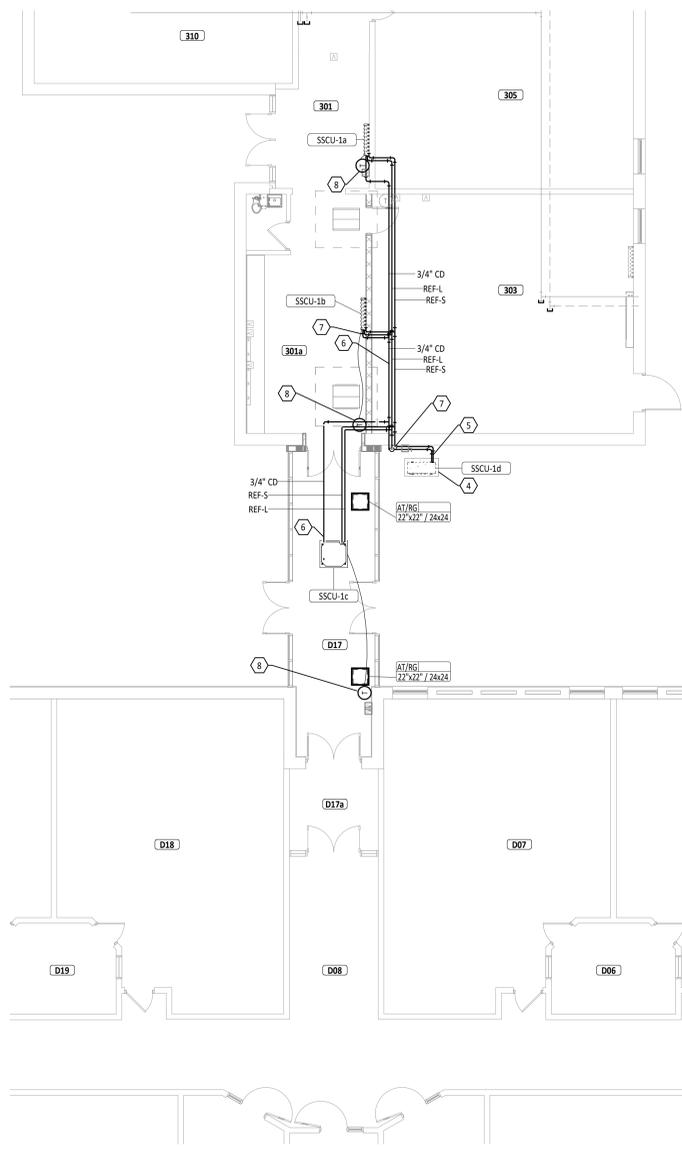
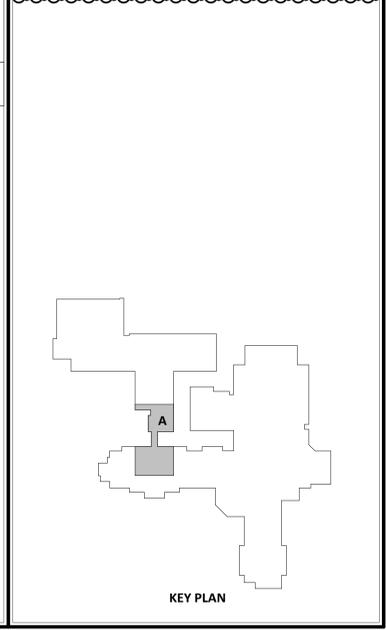
SHEET TITLE:
DOOR SCHEDULES AND DETAILS

SHEET NUMBER:
A6.1

FIRST FLOOR PLAN ROOM INDEX		
ROOM NUMBER	ROOM NAME	AREA
301	VESTIBULE	162 SF
301a	CORRIDOR	336 SF
302	CORRIDOR	566 SF
303	CLASSROOM	810 SF
304	RESTROOM	29 SF
305	CLASSROOM	765 SF
310	CLASSROOM	685 SF
D05	ELEMENTARY SCHOOL CLASSROOM	833 SF
D06	SMALL GROUP	137 SF
D07	ELEMENTARY SCHOOL CLASSROOM	832 SF
D08	CORRIDOR	1,747 SF
D09	KINDERGARTEN CLASSROOM	963 SF
D10	VESTIBULE	121 SF
D12	PRE-KINDERGARTEN CLASSROOM	1,086 SF
D15	VESTIBULE	120 SF
D16	KINDERGARTEN CLASSROOM	961 SF
D17	CORRIDOR	334 SF
D17a	VESTIBULE	87 SF
D18	ELEMENTARY SCHOOL CLASSROOM	833 SF
D19	SMALL GROUP	137 SF
D20	ELEMENTARY SCHOOL CLASSROOM	832 SF

- HVAC GENERAL NOTES**
- REMOVE ALL UNUSED PIPING, DUCTWORK, AND ACCESSORIES. DISPOSE OF THESE ITEMS OFF SITE.
 - THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN SCOPE AREA AND WITHIN CLOSE PROXIMITY OF THE SCOPE AREA.
 - DIVISION 23 MECHANICAL CONTRACTOR IS REQUIRED TO COORDINATE DIFFUSER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
 - ALL EQUIPMENT LOCATED ABOVE CEILING REQUIRING MAINTENANCE SHALL BE INSTALLED WITHIN (2) FEET OF THE CEILING FOR MAINTENANCE PURPOSES. DO NOT INSTALL UNITS ABOVE LIGHTS AND CEILING SPEAKERS. COORDINATE LOCATION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND GENERAL CONTRACTOR.
 - THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.
 - LOCATE DUCTWORK AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS, AND OTHER ELECTRICAL EQUIPMENT.
 - FIRE SEAL AROUND DUCT PENETRATIONS OF FIRE RATED WALLS. REFER TO SPECIFICATION.
 - CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 3'-8" AFF, A MINIMUM OF 4" FROM LIGHT SWITCH.
 - CONDENSATE DRAIN SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER. COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
 - THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
 - FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
 - ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
 - INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
 - LOCATIONS OF PIPING, DUCTWORK, AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. CONSULT ENGINEER IF MANUFACTURER'S MINIMUM CLEARANCE REQUIRED CANNOT BE MAINTAINED.

KEYNOTE LEGEND	
#	KEYNOTE DESCRIPTION
1	REMOVE CEILING MOUNTED UNIT VENTILATOR AND DISPOSE OF OFF SITE. COORDINATE WITH ELECTRICAL AND GENERAL CONTRACTORS.
2	DISCONNECT HEATING WATER SUPPLY AND RETURN PIPES FROM UNIT VENTILATOR. FIELD VERIFY THE UNIT VENTILATOR HAS A 3-WAY VALVE AND CONNECT SUPPLY AND RETURN PIPES ABOVE CEILING AT MAIN, OTHERWISE CAP THE SUPPLY AND RETURN AT THE MAIN. DISPOSE OF REMOVED PIPE OFF SITE.
3	DISCONNECT OUTSIDE AIR FLEX DUCT FROM UNIT VENTILATOR AND INTAKE GRAVITY VENTILATOR AND DISPOSE OF OFF SITE. CAP OUTSIDE AIR AT INTAKE GRAVITY VENTILATOR.
4	3-1/2" HOUSEKEEPING PAD BY DIVISION MECHANICAL CONTRACTOR. CONCRETE PAD SHALL EXTEND A MINIMUM OF 6" BEYOND THE EDGE OF THE EQUIPMENT. CONFIRM UNIT DIMENSIONS AND CLEARANCES WITH THE APPROVED MANUFACTURER'S SUBMITTAL.
5	DIVISION 23 CONTRACTOR SHALL SIZE AND ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO INDOOR COOLING UNITS AS RECOMMENDED BY UNIT MANUFACTURER. ROUTE LINES UP THE OUTSIDE OF THE WALL AND ENTER THE BUILDING ABOVE THE CEILING. COORDINATE PIPE PENETRATIONS WITH GENERAL CONTRACTOR. SEAL WALL PENETRATION WATER TIGHT.
6	ROUTE TRAPPED CONDENSATE DRAIN FROM INDOOR UNIT, THROUGH EXTERIOR WALL AND DOWN OUTSIDE WALL NEAR THE CORNER. SLOPE PIPING AT 1/8" / FT. TERMINATE 12" ABOVE GRADE, CUT END AT 45 DEGREE ANGLE, AND COVER END WITH INSECT SCREEN.
7	ROUTE CONDENSATE WITH REFRIGERANT PIPING. COVER INTERIOR AND EXTERIOR EXPOSED LINE SET AND CONDENSATE DRAIN WITH RECTANGULAR SLIDDOOR OR EQUAL. LINE SET COLOR TO BE LAMP OR OFF WHITE.
8	INSTALL REMOTE TEMPERATURE SENSOR ON WALL AS SHOWN.

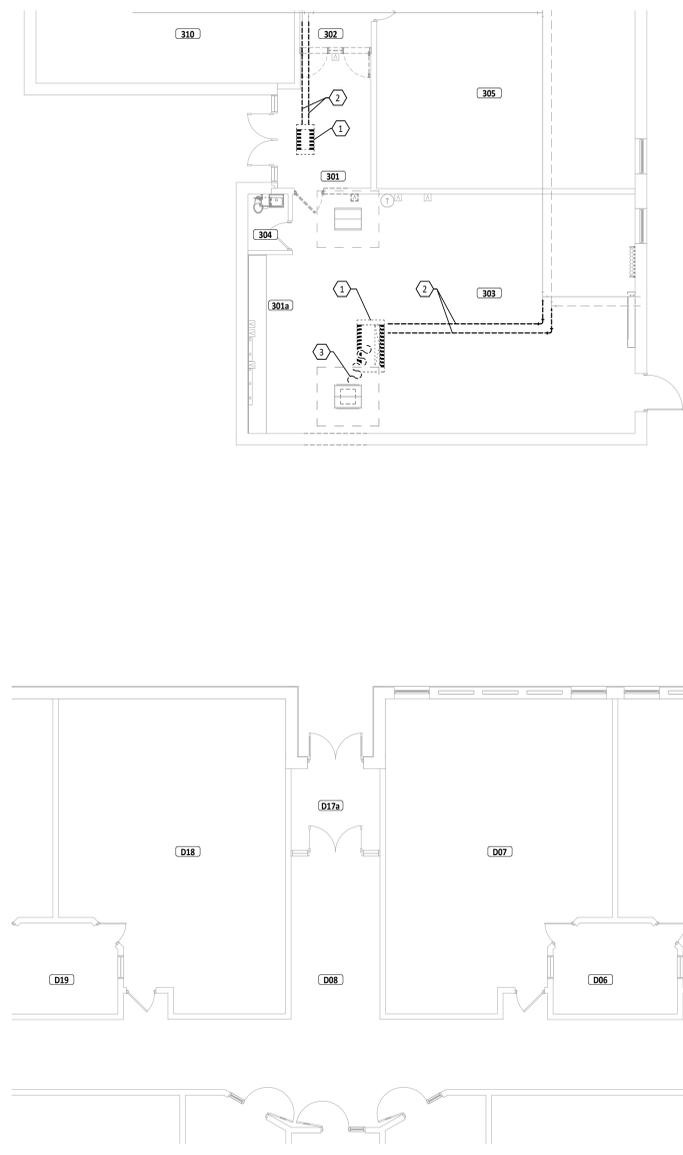


2 FIRST FLOOR MECHANICAL PLAN - UNIT A
1/8" = 1'-0"

SPLIT SYSTEM CONDENSING UNIT SCHEDULE																
ID	DESCRIPTION	MANUFACTURER	MODEL NO.	TYPE	CAP	COMPRESSOR				INTERLOCK					REMARKS	
						REFRIGERANT	LOW AMBIENT KIT	DESIGN PIPE LENGTH	SEER2	EER2	MCA	MOCF	VOLT	PH		ID
SSCU-1d	SPLIT-SYSTEM CONDENSING UNIT	TRANE	MX2-SM42NLUH2	HEAT PUMP	3.5 ton	R454B	No	55'	23	14.5	45.0 A	80 A	208 V	1	SSCU-1a, SSCU-1b, & SSCU-1c	PROVIDE HALL GUARDS AND MOUNT ON NEOPRENE ISOLATORS.

WALL MOUNTED HEAT PUMP SCHEDULE																				
ID	LOCATION	NAME	NO.	MANUFACTURER	MODEL NO.	TYPE	FAN DESIGN AIRFLOW	COOLING COIL		HEATING COIL		UNIT DIMENSIONS		UNIT WEIGHT	MCA	MOCF	VOLT	PH	ID	REMARKS
								TOTAL CAP	TOTAL	CAP	ELEVATION	AF	HEIGHT							
SSCU-1a	VESTIBULE	301		TRANE	PKFY-L12NLMU-A	HEAT PUMP	297 CFM	10492 Btu/h	11337 Btu/h	6'-6"	6'-6"	25 lb	0 A	15 A	208 V	1	SSCU-1d	PROVIDE WIRED THERMOSTAT, BACNET INTERFACE, AND CONDENSATE PUMP.		
SSCU-1b	CORRIDOR	301a		TRANE	PKFY-L06NLMU-A	HEAT PUMP	191 CFM	5246 Btu/h	5626 Btu/h	6'-6"	6'-6"	25 lb	0 A	15 A	208 V	1	SSCU-1d	PROVIDE WIRED THERMOSTAT, BACNET INTERFACE, AND CONDENSATE PUMP.		
SSCU-1c	CORRIDOR	D17		TRANE	LCN087HV4	HEAT PUMP	812 CFM	26230 Btu/h	28551 Btu/h	8'-0"	8'-0"	57 lb	1 A	15 A	208 V	1	SSCU-1d	PROVIDE WIRED THERMOSTAT, BACNET INTERFACE, AND CONDENSATE PUMP.		

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE														
ID	DESCRIPTION	MANUFACTURER	MODEL	QTY	FACE SIZE	NECK			BLADE DESIGN			INSTALLATION	NOTES	
						SIZE	WIDTH	HEIGHT	DEFLECTION	SINGLE	DOUBLE			ORIENTATION
AT/RG	LOUVERED GRILLE	TITUS	355FL	2	24x24	22"	22"	1/8"	1/2"	35.0°	DOUBLE	LONG	TYPE 3 (LAY-IN)	



1 FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT A
1/8" = 1'-0"

NATURAL VENTILATION OUTSIDE AIR CALCULATIONS

OUTSIDE AIR CALCULATIONS:
OHIO MECHANICAL CODE 402.1 ALLOWS FOR NATURAL VENTILATION
OHIO MECHANICAL CODE 402.2 REQUIRES THE MINIMUM OPERABLE AREA TO THE OUTDOORS SHALL BE 4% OF THE AREA BEING VENTILATED.
OHIO MECHANICAL CODE 402.3 PERMITS NATURAL VENTILATION OF AN INTERIOR ROOM FROM AN ADJOINING ROOM PROVIDED THE OPENING AREA BETWEEN THE SPACES IS 8% OF THE FLOOR AREA OF THE INTERIOR ROOM AND NOT LESS THAN 25 SF.

THE TWO DOUBLE DOORS IN CORRIDOR D17 PROVIDE: 2 x 2 x 3' x 7' = 84 SF OF OPERABLE AREA
THESE DOORS CAN PROVIDE NATURAL VENTILATION FOR: 84 SF / 0.04 = 2100 SF OF FLOOR AREA
2100 SF - 340 SF (FOR D7) = 1760 SF OF VENTILATED FLOOR AREA FOR CORRIDOR A301a.
A301a IS AN ADJOINING SPACE
THE DOUBLE DOORS BETWEEN THE CORRIDORS PROVIDES:
2 x 3 x 7/0.08 = 525 SF WHICH IS ALSO GREATER THAN 336 SF.

3 NATURAL VENTILATION CALCULATIONS