

Addendum Number: 07

Addendum Issue Date: May 8, 2025

Owner: Robinson CUSD #2

Project Name: Robinson Washington Elementary
Renovation & Addition

Project Number: 02401781.001

Containing: 12 Pages; 7 Drawings; 2 Specifications Sections

*This addendum amends the drawings and specifications of the above reference project and is hereby incorporated into the contract documents as part thereof. Bidders must acknowledge receipt of this Addendum in the space provided on the Bid Form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.***

General:

1. The General Contractor shall include an allowance within their bid as stipulated in specification section 01 2100 – Allowances. The General Contractor shall subcontract with a hazardous materials subcontractor and/or licensed professional to remove all hazardous materials required to be removed to install the proposed work.
2. The owner's vendor will be responsible for the data cabling and data rack, but the Electrical contractor will be responsible for all the rough-ins required for the data cabling and racks.
3. *On Panels A-LH-1 and A-LH-2, these are marked with keynote 5, indicating the panelboard is to remain and just be renamed. These panels are mainly feeding new mechanical equipment. Are all the needed breakers for this equipment to be assumed already in these panels, or do new breakers need to be provided – Please assume we need new breakers.*

Drawings:

1. AD1.1 – DEMOLITION PLANS
 - a. ADD detail 6 showing the extents of demolition at all existing classroom windows. ADD keynotes D09.06 and D09.07 denoting to demolish existing carpet flooring and slate sill at existing classroom windows. See attached.
 - b. REVISE detail numbering on sheet to accommodate new detail. See attached.
2. A1.1 – OVERALL FLOOR PLAN
 - a. ADD callout for new detail 3/A7.5 as shown. See the attached.
3. A3.2 – EXTERIOR ELEVATIONS
 - a. REMOVE metal handrail and associated elevation keynote 25 from detail 4. Revision was included in addendum 04 but drawing sheet was omitted by mistake.
4. A7.5 – GLAZING DETAILS
 - a. ADD detail 3 showing new finishes to be installed at all existing classroom windows once unit heater demolition is completed. See attached.

- b. ADD detail 4 showing sill conditions at all existing classroom windows. See attached.
- 5. E2.4 – ELECTRICAL ROOF PLAN
 - a. REVISE sheet scale. See the attached sheet.
 - b. REVISE bar scale. See the attached sheet.
- 6. E2.5 – TEMPORARY ELECTRICAL CONNECTIONS
 - a. REVISE sheet scale. See the attached sheet.
 - b. REVISE bar scale. See the attached sheet.
- 7. E4.1 – ONE-LINE DIAGRAM
 - a. REVISE feeder into MDP-B to include ground wire. See the attached sheet.

Specifications:

- 1. 00 4100 – Bid Form
 - a. ADD paragraph 1.5. C indicating that the General Contractor acknowledges inclusion of the allowances in their bid.
- 2. 01 2100 – Allowances.
 - a. ADD specification section in its entirety.

END OF ADDENDUM

Issued By:

FARNSWORTH GROUP, INC.

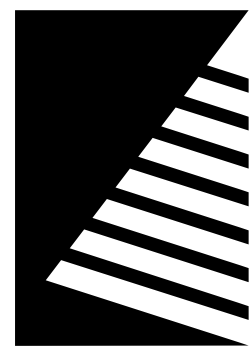
Annapoorna Halepatali

Project Architect

Attachments:

Drawings: AD1.1, A1.1, A3.2, A7.5, E2.4, E2.5, E4.1

Specifications: 00 4100, 01 2100



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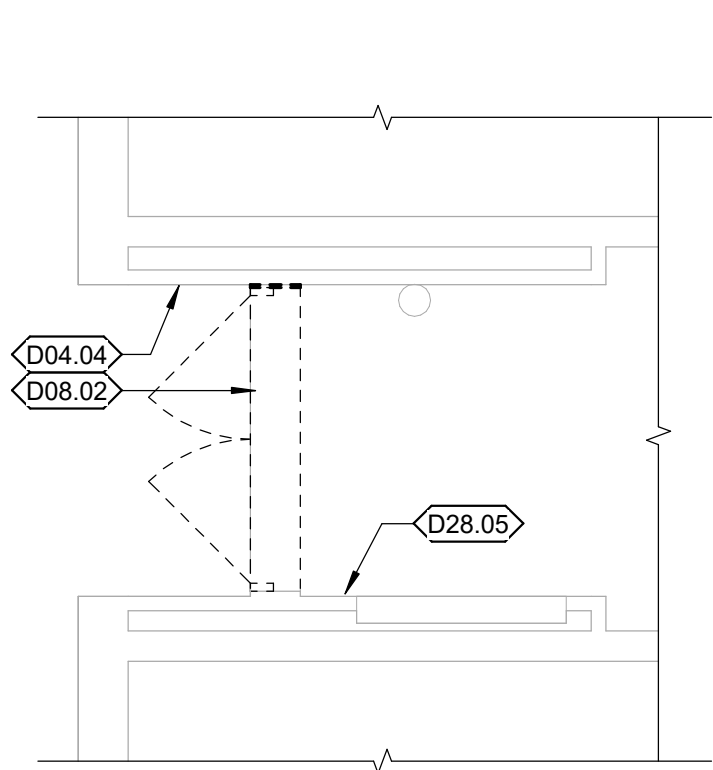
ISSUE:	
#	DATE: DESCRIPTION:
1	04/22/2025 ADD 02
2	05/05/2025 ADD 04
3	05/08/2025 ADD 07

DEMOLITION GENERAL NOTES

- EXISTING CONSTRUCTION SHOWN DASHED IS TO BE DEMOLISHED – COORDINATE WITH NEW CONSTRUCTION
- ALL ITEMS INDICATED TO BE DEMOLISHED SHALL BE REMOVED AS TO FULLY ALLOW FOR THE PROPER FURNISHING AND INSTALLATION OF ALL SCHEDULED NEW WORK. THIS SHALL INCLUDE DEMOLITION OF ADJACENT ITEMS, ACCESSORIES, AND APPURTENANCES AS NECESSARY.
- DEMOLITION DRAWINGS ILLUSTRATE MAJOR ITEMS TO BE REMOVED. CONTRACTOR SHALL COORDINATE THESE DRAWINGS WITH NEW WORK DRAWINGS AND SHALL BE RESPONSIBLE FOR OTHER ITEMS REQUIRED TO BE DEMOLISHED TO ACCOMMODATE NEW WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR RETAINING AND RELOCATING ALL SALVAGE AS DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR STORAGE AND PROTECTION OF ALL SALVAGE ITEMS.
- EXISTING ITEMS, EQUIPMENT, PLUMBING FIXTURES, ETC. TO REMAIN IN PLACE SHALL BE PROTECTED FROM DIRT AND DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- PROTECT ALL FINISHES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- PRIOR TO DEMOLITION, ENSURE THE STABILITY OF ANY WALLS TO REMAIN.
- REMOVE ACOUSTICAL CEILINGS INCLUDING, BUT NOT LIMITED TO, RELATED SUPPORT SYSTEMS, CEILING TILES, LIGHT FIXTURES, GRILLES, DIFFUSERS, EXIST SIGNS, AND OTHER ELECTRICAL OR COMMUNICATION DEVICES.
- DEMOLITION OF FLOOR FINISHES INCLUDES REMOVAL OF ADHESIVES, GROUTING BEDS, RESILIENT BASE, ETC.
- REMOVAL OF EXISTING PLUMBING FIXTURES TO INCLUDE PIPING, WASTE LINES, ETC. LINES ARE TO BE CAPPED AS REQUIRED. SEE PLUMBING DRAWINGS.
- REMOVAL OF EXISTING HVAC TO INCLUDE DUCTWORK, HANGERS, GRILLES, DIFFUSERS, ETC. SEE MECHANICAL DRAWINGS.
- REMOVAL OF EXISTING ELECTRICAL SYSTEMS TO INCLUDE CONDUIT, BOXES, WIRE, CABLE, SUPPORTS, WIRING DEVICES, SAFETY SWITCHES, FIRE ALARM EQUIPMENT, SPEAKERS, TELEPHONE OUTLETS AND LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- HAZARDOUS MATERIALS INCLUDING, BUT NOT LIMITED TO: ASBESTOS AND/OR LEAD PAINT, IS ENCOUNTERED ON THE PROJECT SITE, THE OWNER SHALL ENGAGE A TESTING COMPANY TO IDENTIFY AREAS AND PROVIDE APPROPRIATE ABATEMENT. DEMOLITION CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ABATEMENT CONTRACTOR.

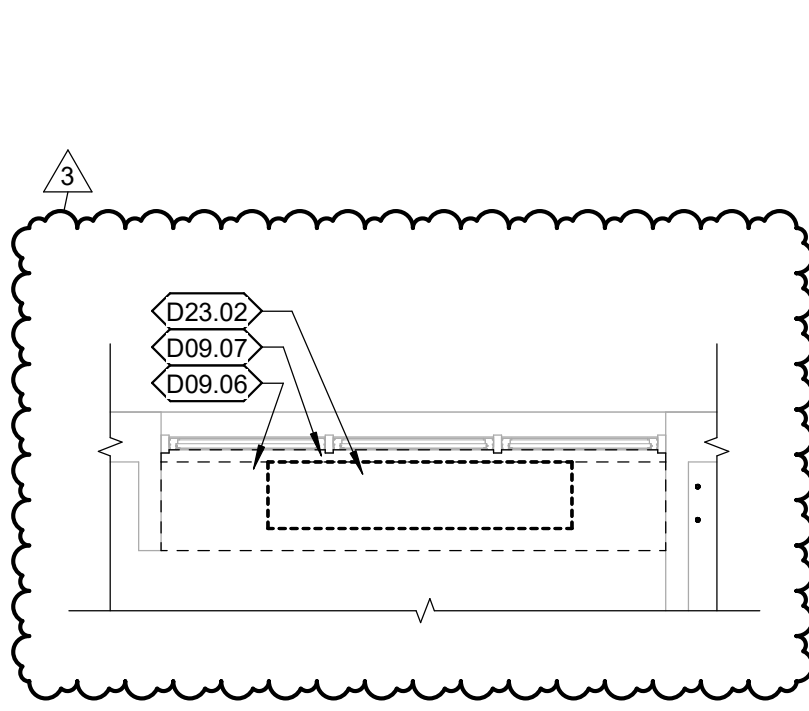
DEMOLITION KEYNOTES (BY DIVISION) <D#>

DIVISION 04: MASONRY	
D04.01	REMOVE EXISTING CMU WALL IN ITS ENTIRETY IN LOCATIONS SHOWN.
D04.02	REMOVE PORTION OF EXISTING CMU WALL TO ACCOMMODATE NEW OPENING. PREP FOR NEW WORK SEE STRUCTURAL FOR Lintel DETAILS AND DOOR SCHEDULE FOR OPENING DIMENSION.
D04.03	REMOVE EXISTING BRICK IN ITS ENTIRETY. PREP THE EXISTING CMU WALL TO RECEIVE NEW FINISH. ENSURE THE EXISTING WALL IS 2 HR FIRE RATED WALL (FIELD VERIFY).
D04.04	CLEAN MASONRY AND PREP FOR NEW WORK
DIVISION 06: WOOD, PLASTICS, AND COMPOSITES	
D06.01	RETAIN EXISTING CABINETS AND COUNTERTOP IN ITS ENTIRETY.
DIVISION 07: THERMAL AND MOISTURE PROTECTION	
D07.01	REMOVE EXISTING FASCIA TO EXTENTS SHOWN. SEE ROOF DETAILS FOR MORE INFORMATION. PROTECT ROOF DURING CONSTRUCTION.
DIVISION 08: OPENINGS	
D08.01	REMOVE INTERIOR DOOR(S) AND FRAME ASSEMBLY. SALVAGE TO OWNER.
D08.02	REMOVE EXTERIOR(S), FRAME, AND TRANSOME ASSEMBLY ABOVE. PREP TO RECEIVE NEW 2 HR FIRE RATED DOOR. SALVAGE TO OWNER
D08.03	REMOVE EXISTING LOUVER GRILLE FROM EXISTING STOREFRONT ASSEMBLY. PROVIDE INSULATED METAL INFILL PANEL TO MATCH EXISTING.
D08.04	EXISTING PUSH BUTTON AND OTHER ACCESSORIES TO REMAIN AND TO BE TIED TO THE NEW DOOR HARDWARE.
DIVISION 09: FINISHES	
D09.01	REMOVE EXISTING ACOUSTIC CEILING TILE SYSTEM AND ACCESSORIES TO FULL EXTENTS OF ROOM.
D09.02	REMOVE EXISTING ACOUSTIC CEILING TILE SYSTEM AS NECESSARY TO INSTALL NEW STOREFRONT SYSTEM.
D09.03	REMOVE EXISTING SOFFIT PANELS. PREP AREA FOR NEW WORK - SEE REFLECTED CEILING PLAN.
D09.04	EXISTING CEILING TO REMAIN.
D09.05	REMOVE WALL TILES TO EXTENTS SHOWN. PREP CMU WALL TO RECEIVE NEW FINISH.
D09.06	REMOVE EXISTING CARPET FLOORING TO EXTENTS SHOWN. PREP SURFACE FOR NEW FINISH.
D09.07	REMOVE EXISTING SLATE SILL.
DIVISION 10: SPECIALTIES	
D10.01	TEMPORARILY REMOVE THE PAPER TOWEL DISPENSER TO BE INSTALLED IN THE SAME LOCATION AFTER NEW WORK.
D10.02	REMOVE EXISTING MAILBOX TO BE REINSTALLED IN THE NEW LOCATION.
DIVISION 11: EQUIPMENT	
D11.01	REMOVE EXISTING SECURITY TV TO BE REUSED IN THE PROJECT. PROTECT DURING CONSTRUCTION.
D11.02	REMOVE EXISTING PRINTER/COPYER TO BE REUSED IN THE PROJECT. PROTECT DURING CONSTRUCTION.
D11.03	REMOVE EXISTING SECURITY TV/MONITOR TO BE REUSED IN THE PROJECT. PROTECT DURING CONSTRUCTION.
DIVISION 12: FURNISHINGS	
D12.01	REMOVE EXISTING FURNITURE AND OTHER EXISTING ACCESSORIES. SALVAGE TO OWNER.
DIVISION 23: HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)	
D23.01	REMOVE EXISTING CONDENSATE PIPING. SEE MECHANICAL.
D23.02	REMOVE EXISTING UNIT HEATER. SEE MECHANICAL.
DIVISION 28: ELECTRONIC SAFETY AND SECURITY	
D28.01	TEMPORARILY REMOVE EXISTING PA SYSTEM TO BE REUSED IN THE PROJECT. PROTECT DURING CONSTRUCTION.
D28.02	EXISTING FIRE ALARM PANEL TO REMAIN
D28.03	EXISTING SECURITY WALL PANELS TO REMAIN. PROTECT DURING CONSTRUCTION.
D28.04	TEMPORARILY REMOVE EXISTING ENTRY DOOR COMMUNICATION SYSTEM TO BE RECONFIGURED TO THE NEW RECEPTION OFFICE LAYOUT.
D28.05	REMOVE EXISTING 'PUSH TO EXIT' BUTTON AND ASSOCIATED HARDWARE.



ENLARGED DEMO PLAN AT DOOR C-X106-1

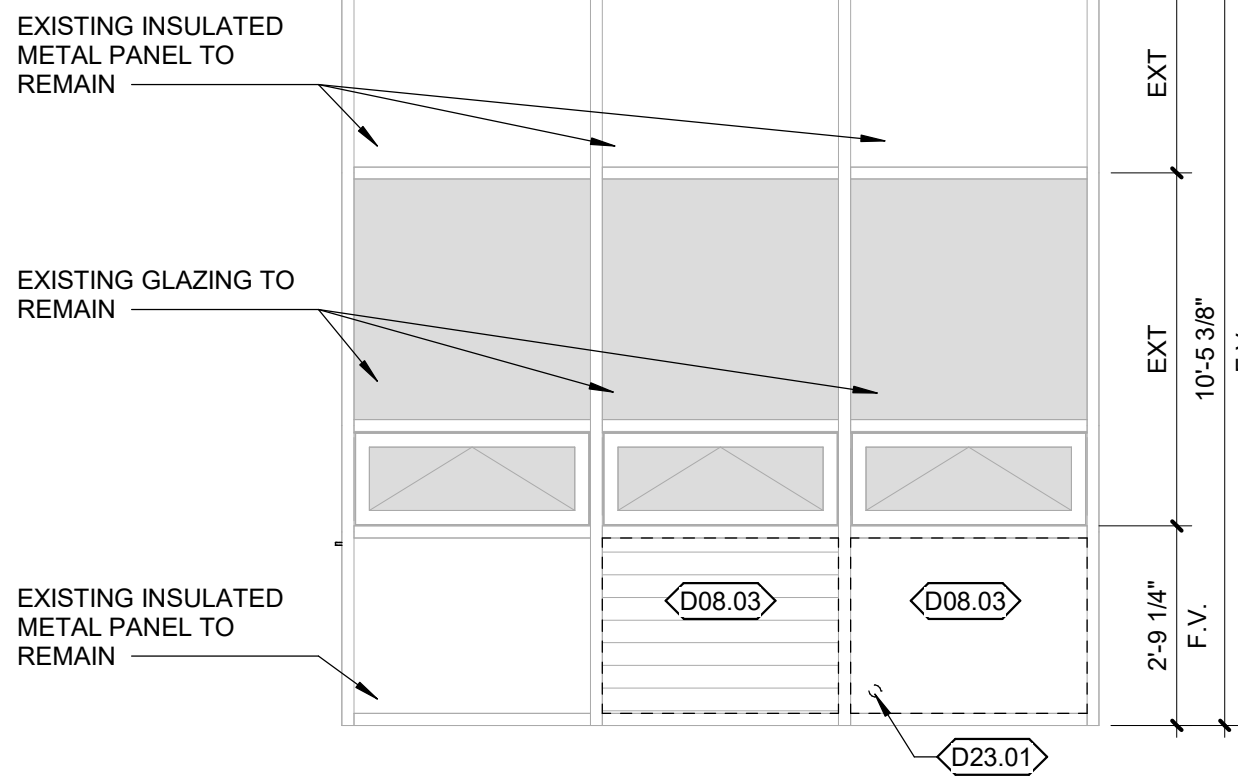
SCALE: 1/4" = 1'-0"



TYP DEMO PLAN AT EXISTING CLASSROOM WINDOWS

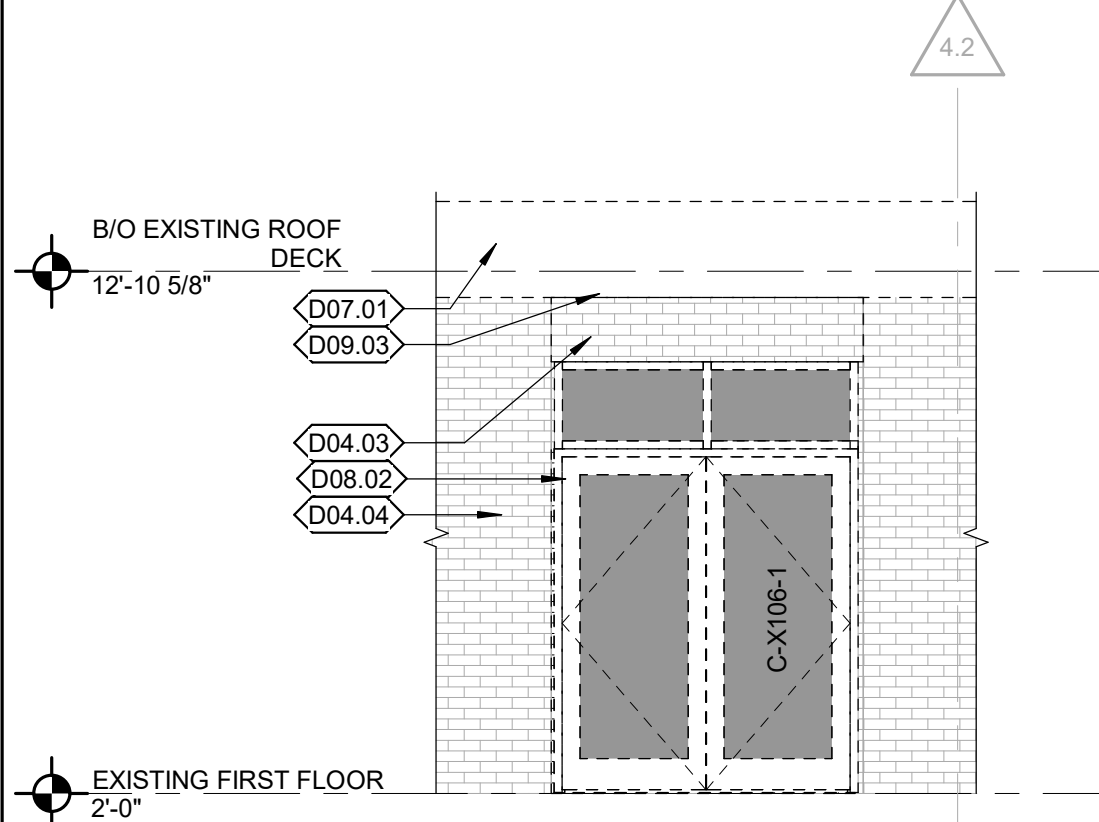
SCALE: 1/4" = 1'-0"

NOTE: FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCUREMENT OF MATERIALS FOR NEW WORK.



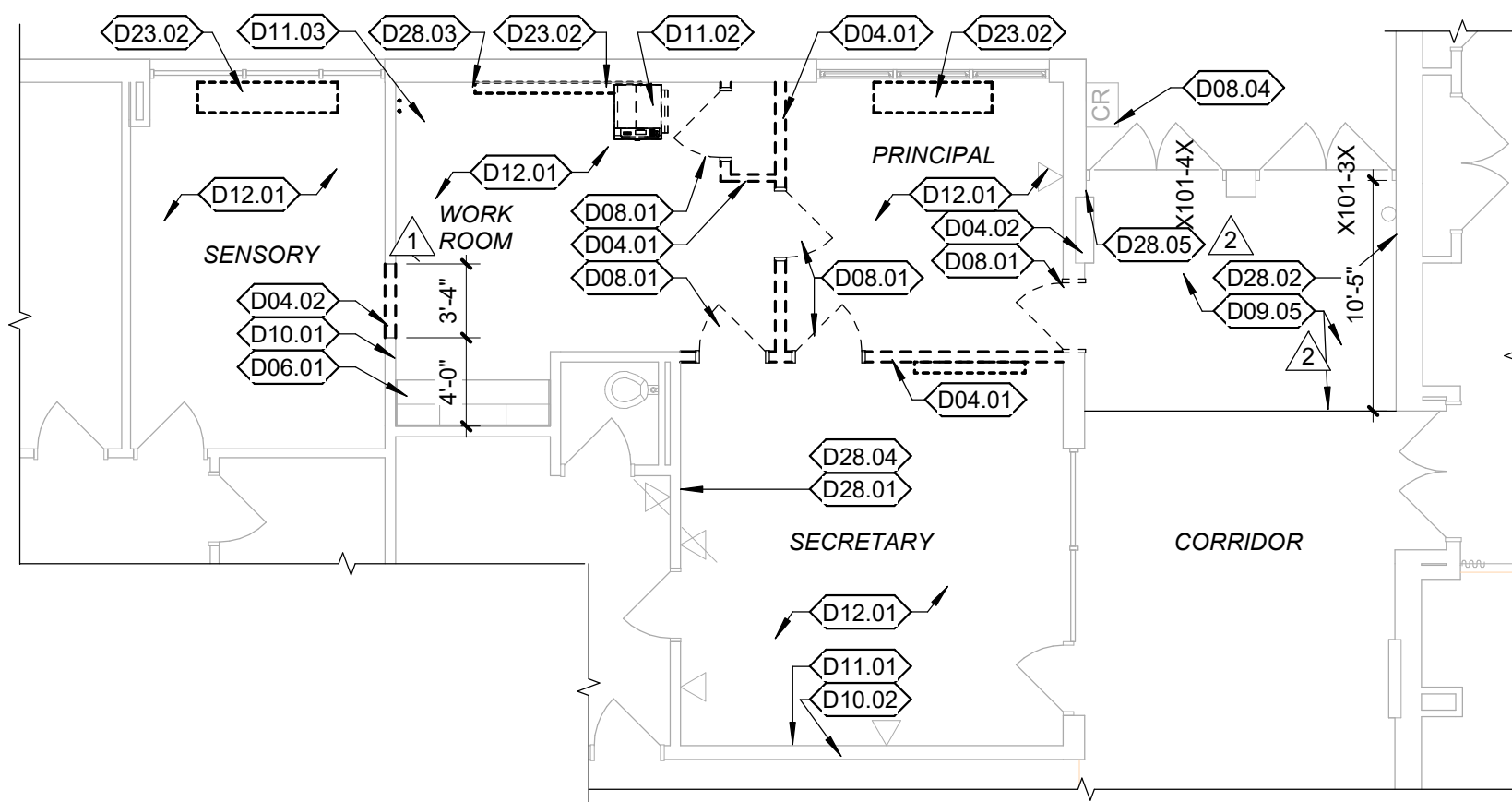
TYPICAL EXISTING GLAZING ELEVATION

SCALE: 3/8" = 1'-0"



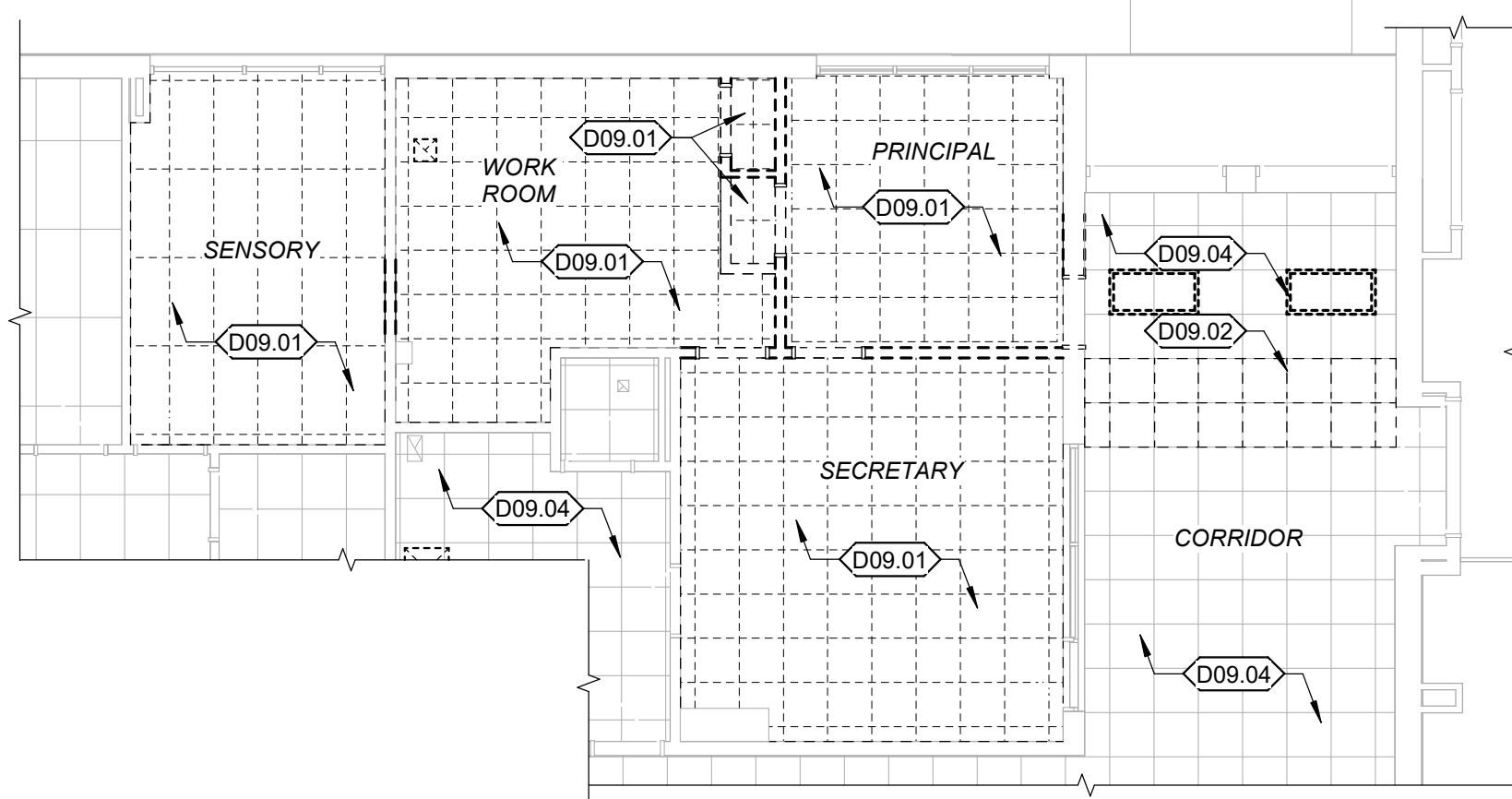
PARTIAL EXTERIOR DEMOLITION ELEVATION

SCALE: 1/4" = 1'-0"



PARTIAL DEMOLITION FLOOR PLAN

SCALE: 1/8" = 1'-0"



PARTIAL REFLECTED CEILING DEMOLITION PLAN

SCALE: 1/8" = 1'-0"

- ROOF DEMOLITION NOTES:
- DEMO EXISTING CONDENSING UNIT AND ASSOCIATED REFRIGERANT PIPING. SEE MECHANICAL. PATCH ROOF AS NECESSARY AFTER DEMOLITION WORK IS COMPLETE. SEE STRUCTURAL FOR DETAILS.
 - DEMO EXISTING EXHAUST FANS. PREPARE DUCTWORK AND CURB FOR NEW CONNECTION. SEE MECHANICAL.
 - DEMO EXISTING PACKAGED ROOFTOP UNIT. SEE MECHANICAL. PATCH ROOF AS NECESSARY.
 - DEMOLISH PORTION OF EXISTING WORK AS NEEDED TO COMPLETE NEW MECHANICAL EQUIPMENT INSTALLATION. SEE MECHANICAL FOR SIZE AND LOCATION. REFER TO ROOF DETAILS FOR EQUIPMENT CURB CONSTRUCTION AND STRUCTURAL FOR DETAILS.

ROOF DEMOLITION PLAN

SCALE: 3/64" = 1'-0"

Bid Set
04/03/2025

PROJECT:
Robinson CUSD #2

**Washington Elementary
Renovation & Addition**

507 W. Condit St. Robinson, IL
62454

DATE: 04/03/2025

DESIGNED: APH

DRAWN: TMM

REVIEWED: APH/SCB/JB

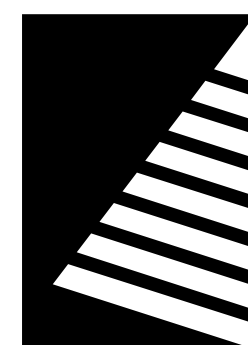
SHEET TITLE:

DEMOLITION PLANS

SHEET NUMBER:

AD1.1

PROJECT NO.: 02401781.001



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ISSUE:	
#	DATE: DESCRIPTION:
1	04/17/2025 ADD 01
2	05/05/2025 ADD 04
3	05/08/2025 ADD 07

PLAN GENERAL NOTES

- REFER TO LIFE SAFETY AND PARTITIONS FOR LOCATION OF RATED PARTITIONS, SEPARATION INFORMATION, AND PARTITION TYPES. ALL INTERIOR PARTITIONS ARE TYPE 1 UNLESS OTHERWISE NOTED OR SHOWN.
- ALL DIMENSIONS ARE TO FACE OF STUD, CMU AND/OR CONCRETE UNLESS NOTED OTHERWISE.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
- ALL NEW WORK SHALL BE PLUMB TRUE, AND LEVEL UNLESS OTHERWISE NOTED.
- EXTEND FIRE RESISTANT CONSTRUCTION TO STRUCTURE ABOVE. EXTEND PARTITIONS AROUND EQUIPMENT, CABINETS, AND OTHER ITEMS THAT PENETRATE THESE PARTITIONS AND FILL VOIDS IN PARTITIONS ABOVE CEILING TO MAINTAIN DESIGNATED FIRE RESISTANCE. SEE LIFE SAFETY SHEET(S) FOR FURTHER FIRE AND SMOKE RESISTANCE INFORMATION.
- DISSIMILAR FLOOR MATERIALS SHALL MEET UNDER CENTER OF DOOR LEAF
- REFER TO STRUCTURAL DRAWINGS FOR FRAMING INFORMATION AND FRAMING DIMENSIONS.
- ALL APPLIANCES ARE TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED OR SHOWN.
- VERIFY ALL APPLIANCE DIMENSIONS PRIOR TO FINAL MILLWORK CONSTRUCTION.
- FURNITURE IS SHOWN FOR REFERENCE ONLY AND IS NOT IN CONTRACT.
- REFER TO CIVIL DRAWINGS FOR EXTERIOR EGRESS AND GUARDRAILS.
- ALL EXISTING FINISHES SHALL REMAIN UNLESS OTHERWISE NOTED. PATCH AND PAINT, INSTALL ADDITIONAL CEILING GRIDS OR TILES, ETC. AS REQUIRED IN ORDER TO PERFORM NECESSARY MECHANICAL INSTALLATION.

KEYNOTES (BY DIVISION)

DIVISION 08: OPENINGS	
08.03	REPLACE EXISTING LOUVERS WITHIN EXISTING STOREFRONT ASSEMBLIES WITH 1" INSULATED METAL PANELS - FINISH TO MATCH EXISTING. SEE AD1.1 FOR MORE INFORMATION.
DIVISION 09: FINISHES	
09.04	ENSURE EXISTING GYM FLOOR IS PROTECTED DURING MECHANICAL WORK.
09.05	INSTALL LVT FLOORING IN EXISTING CLASSROOMS WHERE EXISTING UNIT HEATER IS REMOVED. LVT FLOORING TO MATCH EXISTING.
DIVISION 23: HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)	
23.08	GROUND MOUNTED MECHANICAL EQUIPMENT - SEE MECHANICAL.

Bid Set
04/03/2025

PROJECT:
Robinson CUSD #2

Washington Elementary Renovation & Addition

507 W. Condit St. Robinson, IL
62454

DATE: 04/03/2025
DESIGNED: APH
DRAWN: TMM
REVIEWED: APH/SCB/JB

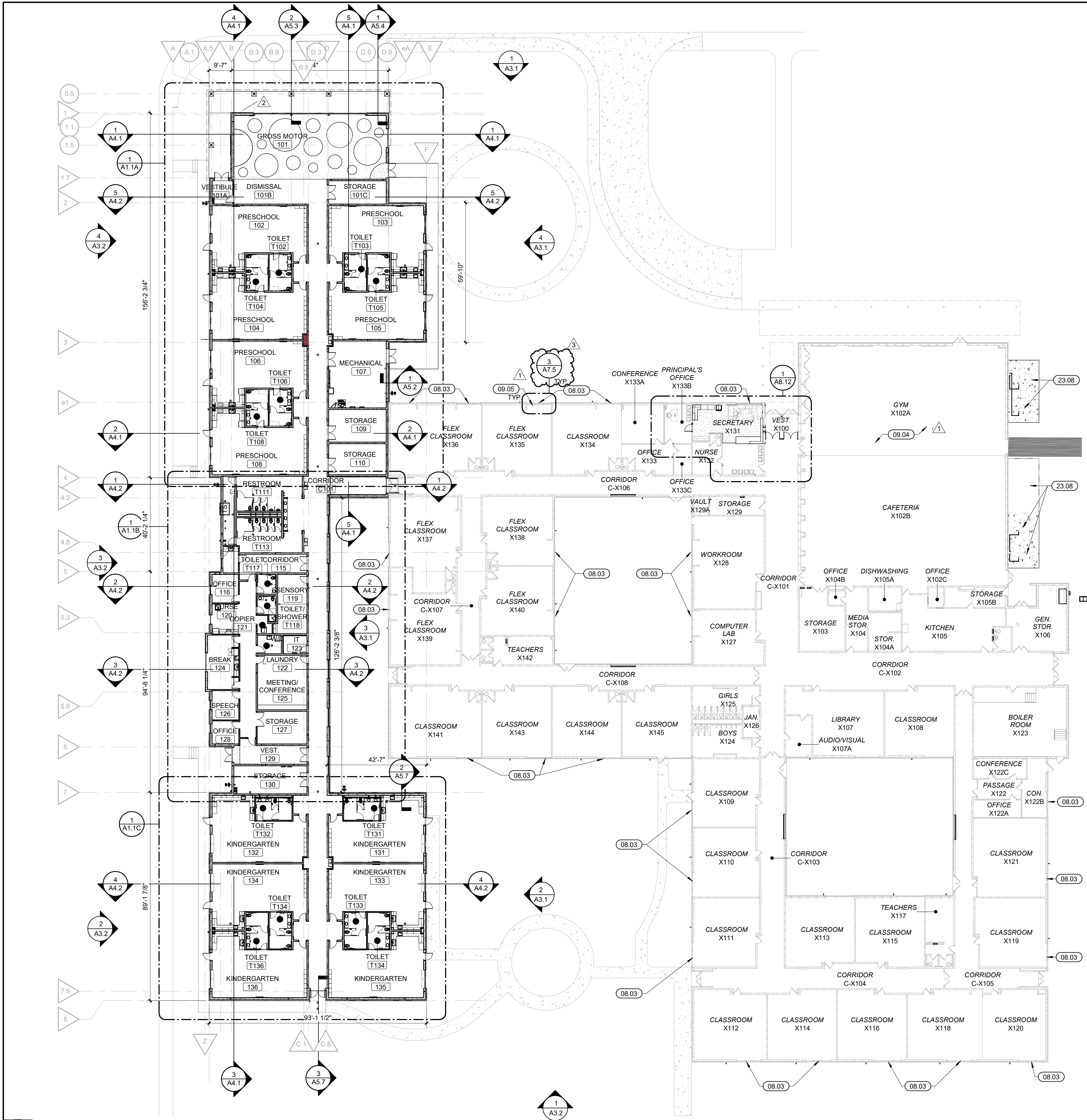
SHEET TITLE:

OVERALL FLOOR PLAN

SHEET NUMBER:

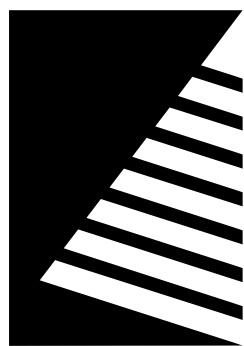
A1.1

PROJECT NO.: 02401781.001



1 OVERALL FLOOR PLAN
SCALE: 3/64" = 1'-0"

KEY PLAN
SCALE: NO SCALE



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ISSUE:		
#	DATE:	DESCRIPTION:
1	05/08/2025	ADD 07

Bid Set
04/03/2025

PROJECT:
Robinson CUSD #2

Washington
Elementary
Renovation & Addition

507 W. Condit St. Robinson, IL
62454

DATE: 04/03/2025

DESIGNED: APH

DRAWN: TMM

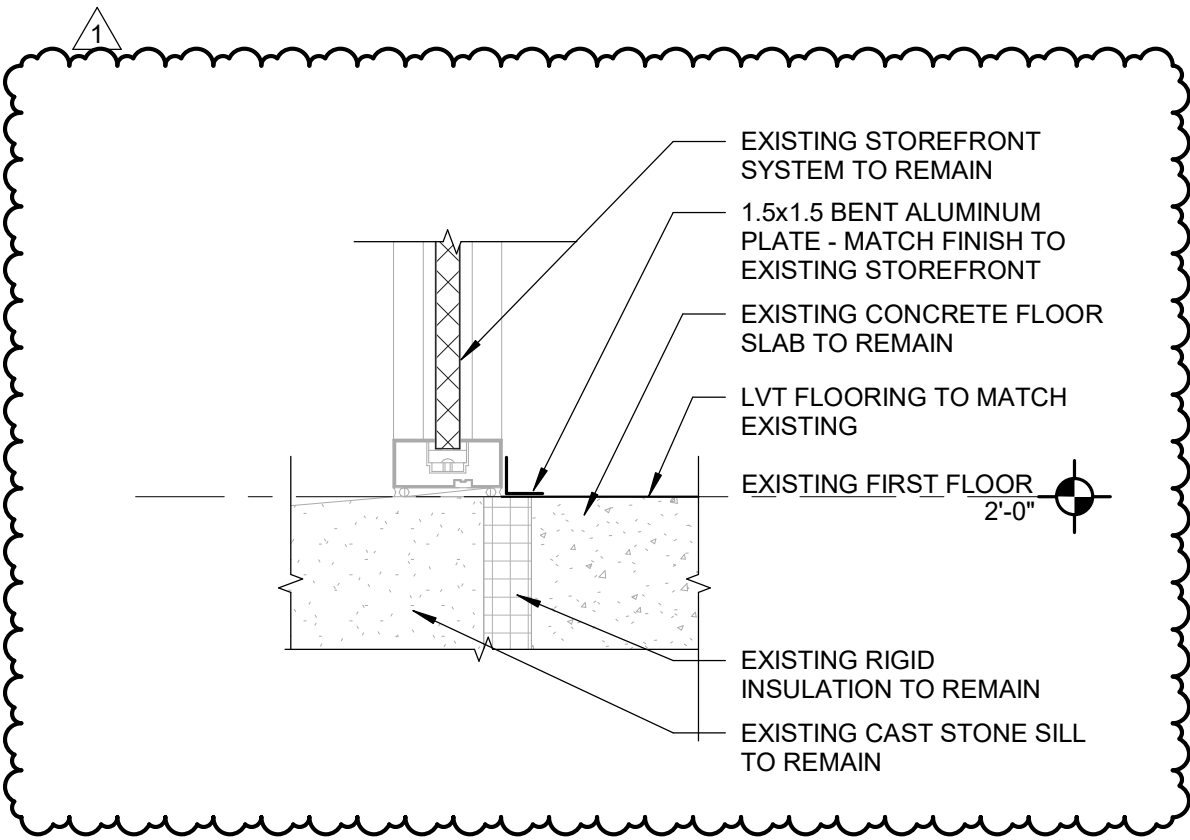
REVIEWED: APH/SCB/JB

SHEET TITLE:
GLAZING DETAILS

SHEET NUMBER:

A7.5

PROJECT NO.: 02401781.001

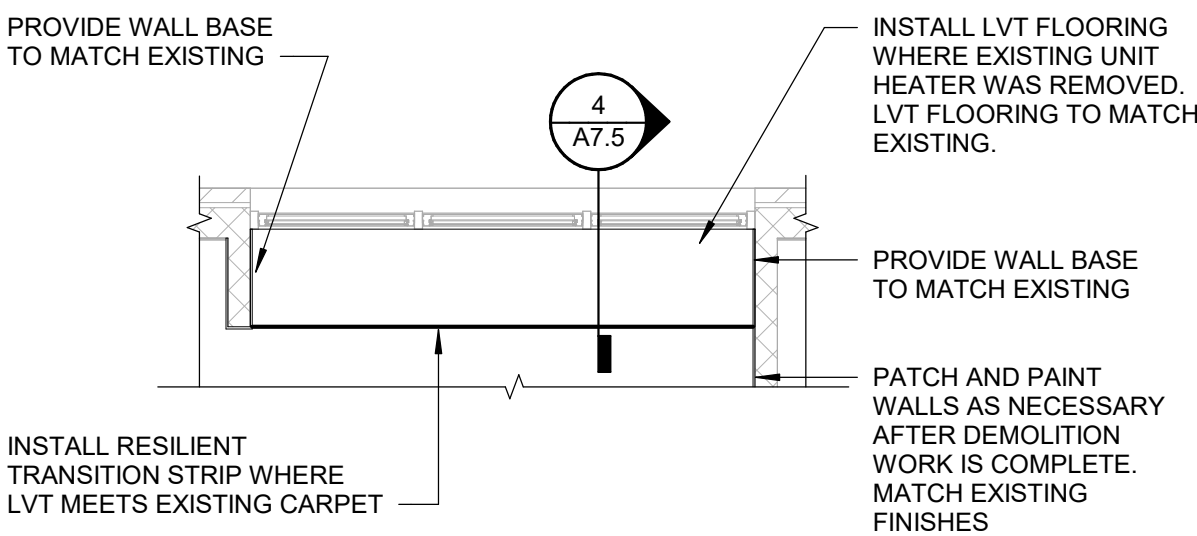


TYP DETAIL AT EXISTING CLASSROOM
WINDOW

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

0 3" 6" 12"

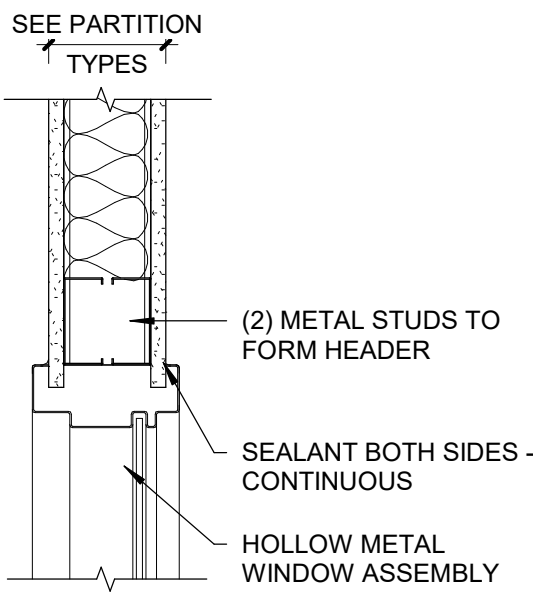
REFER TO AD1.1 FOR MORE INFORMATION
ON ASSOCIATED DEMOLITION TO BE
COMPLETED PRIOR TO NEW WORK.



TYP ENLARGED PLAN AT EXISTING
CLASSROOM WINDOWS

SCALE: 1/4" = 1'-0"

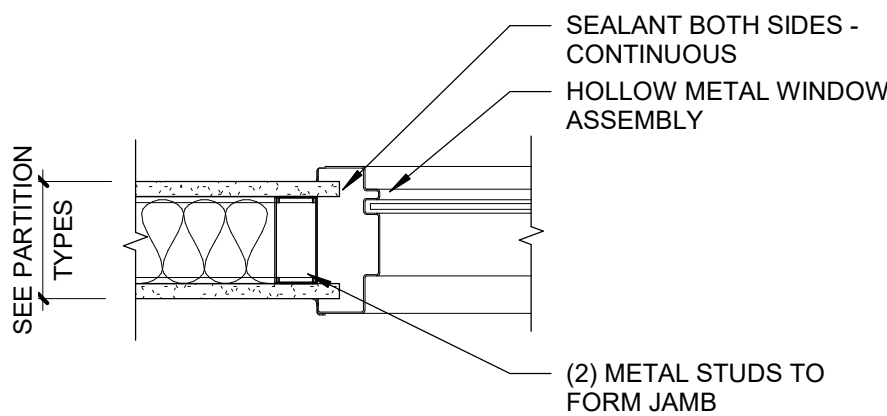
0 2 4 8



HM WINDOW HEAD DETAIL

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

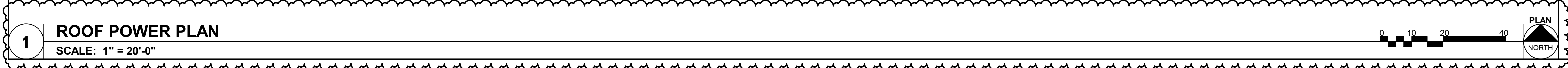
0 3" 6" 12"



HM WINDOW JAMB DETAIL

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

0 3" 6" 12"



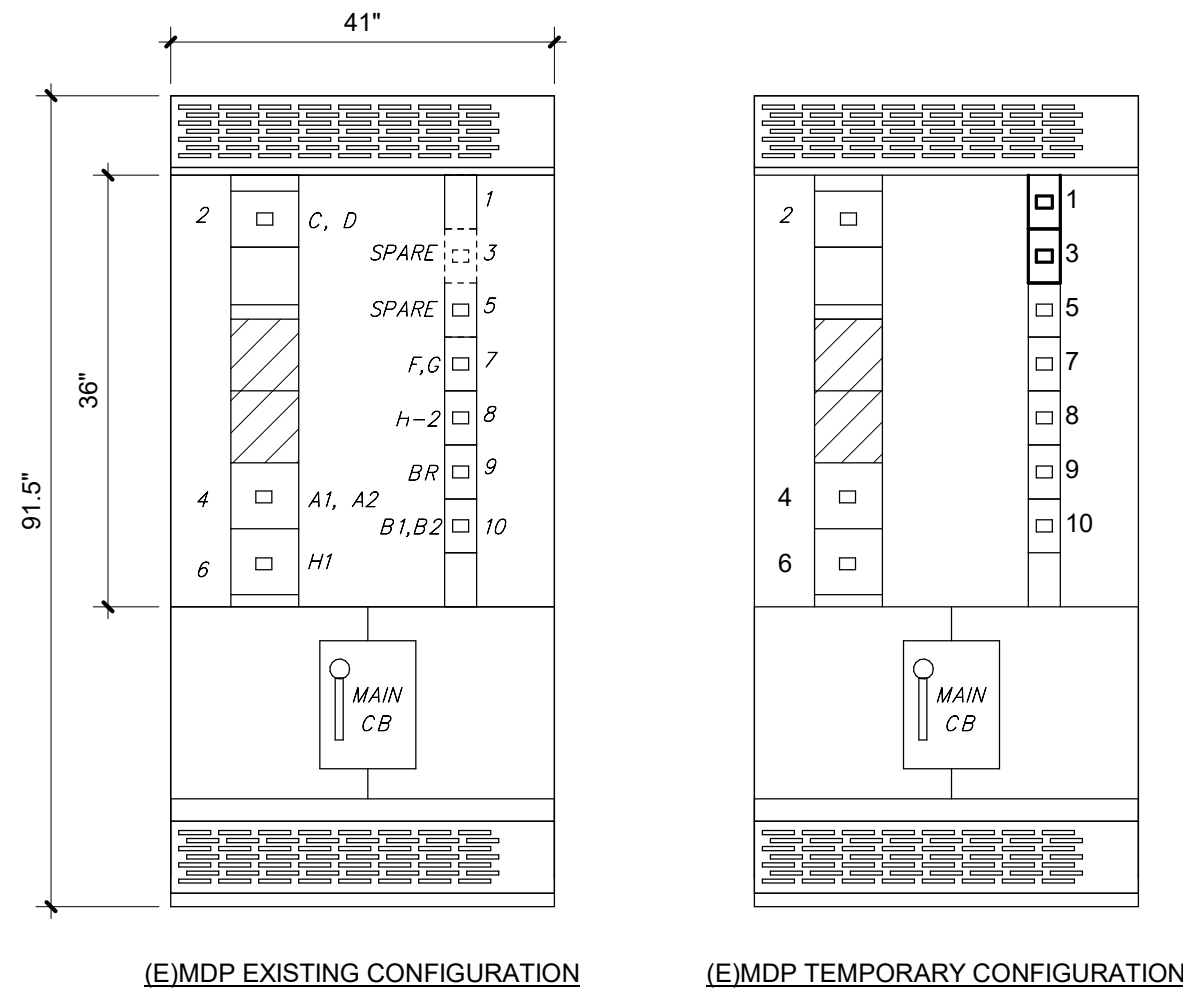
1 TEMPORARILY FEED EQUIPMENT FROM EXISTING DISTRIBUTION PANEL (E)MDP. SEE TEMPORARY ELECTRICAL CONNECTIONS SHEET FOR DETAILS.

ISSUE:		
#	DATE:	DESCRIPTION:
1	05/05/2025	ADD 04
2	05/08/2025	ADD 07

PROJECT NO.: 02401781.001

NOTES:

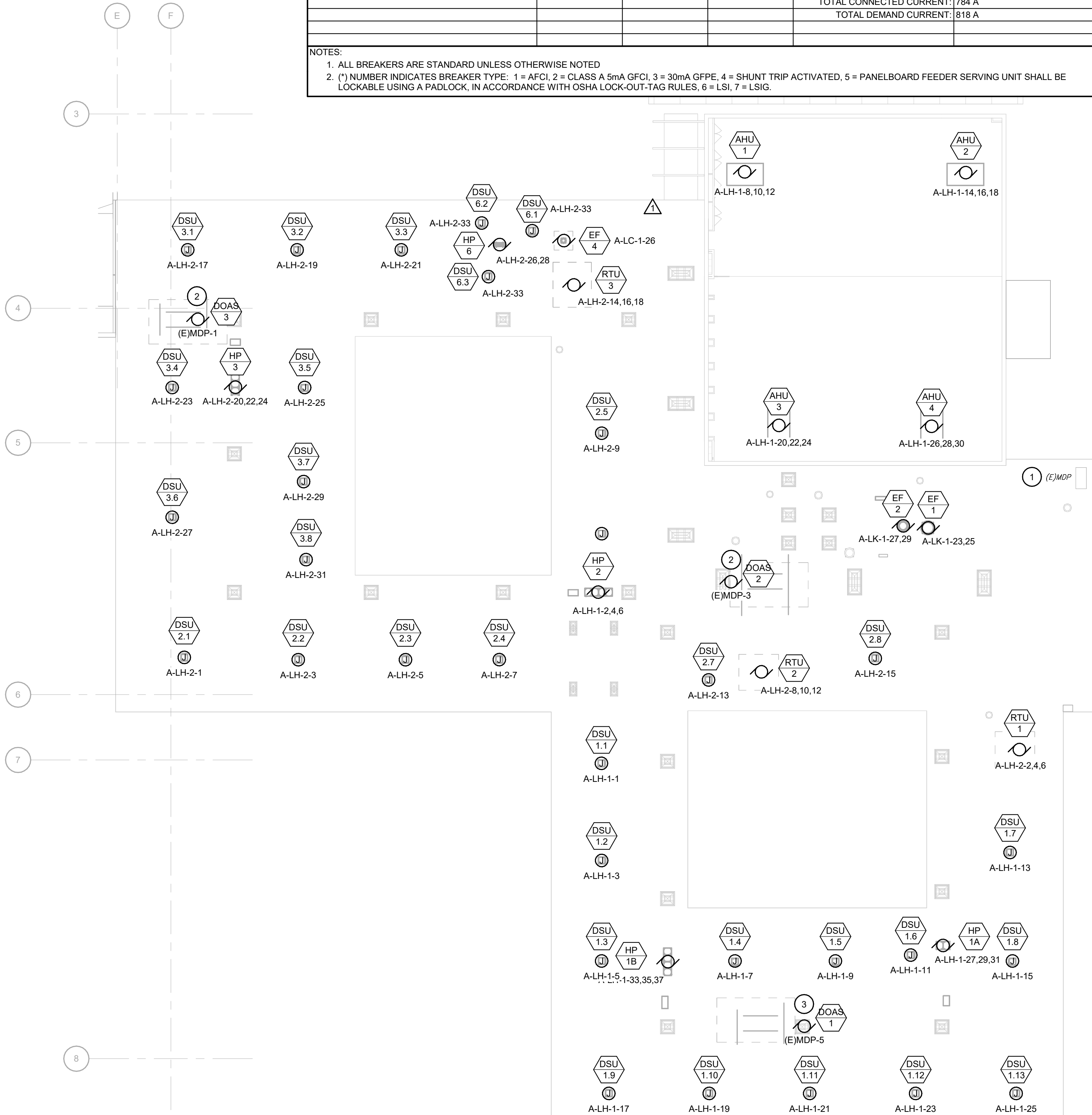
- EXISTING SWITCH BOARD IS TO REMAIN UNTIL NEW SWITCH BOARD (SWB-A) ARRIVES ON SITE AND IS READY TO BE INSTALLED. ONCE SWB-A IS READY TO BE INSTALLED REMOVE EXISTING DISTRIBUTION PANEL (E)MDP. CONDUIT AND CONDUCTOR IS TO REMAIN FOR CONNECTION TO NEW SWITCHBOARD.
- REMOVE EXISTING BREAKERS AND PROVIDE NEW BREAKERS IN NEW CONFIGURATION AS SHOWN BELOW AND ON PANEL SCHEDULE.
- RE-CONFIGURE WIRE AND CONDUIT COMING IN AND OUT OF SWITCHBOARD TO MAKE NECESSARY CHANGES.
- EXISTING SWITCHBOARD INFORMATION IS AS SHOWN ON THE PANEL SCHEDULE AND AS FOLLOWS:
 - SQUARE D QED 2 POWER STYLE SWITCHBOARD
 - CATALOG/DRAWING NUMBER: 14579713-001



EXISTING SWITCHBOARD (E)MDP									
VOLTAGE: 208/120V		SCC RATING (SYM):		10,000		MOUNTING:		FLOOR	
PHASE / WIRE: 3Ø / 4W		OPD INTERRUPTING RATING (SYM):		N		MCB GROUND FAULT PROTECTION (Y/N):		N	
RATED AMPERAGE: 1600 A		ISOLATED GROUND BUS (Y/N):		N		MCB SHUNT TRIP (Y/N):		N	
MAIN: 1600 A MCB		BUSSING:		SEE SPEC		MCB 100% RATED (Y/N):		N	
ITEM NO.	IDENTIFICATION	BREAKER FRAME	BREAKER TRIP	TYPE (*)	POLE	A	B	C	REMARKS
1	DOAS 3	250 A	110 A		3	8084 VA	8084 VA	8084 VA	
2	A-LC-1, A-LD-1	400 A	300 A		3	5000 VA	5000 VA	5000 VA	
3	DOAS 2	250 A	175 A		3	12990 VA	12990 VA	12990 VA	
4	A-LK-1, A-LK-2	400 A	300 A		3	4100 VA	2600 VA	2400 VA	
5	DOAS 1	250 A	200 A		3	16337 VA	16337 VA	16337 VA	
6	A-LH-1	400 A	400 A		3	22343 VA	22321 VA	22462 VA	
7	A-LF-1, A-LG-1	250 A	200 A		3	500 VA	400 VA	700 VA	
8	A-LH-2	250 A	225 A		3	16016 VA	16049 VA	17082 VA	
9	A-BR-1	250 A	200 A		3	7300 VA	6800 VA	7200 VA	
10	A-LB-1, A-LB-2	250 A	200 A		3	2700 VA	2100 VA	2000 VA	
TOTAL CONNECTED LOAD:						95370 VA	92681 VA	94255 VA	
TOTAL AMPS:						797 A	772 A	787 A	
Load Classification		Connected Load		Demand Factor		Demand Load		PANEL TOTALS	
Motor		112234 VA		110.92%		124486 VA		TOTAL CONNECTED LOAD: 282307 VA	
								TOTAL DEMAND: 294559 VA	
								TOTAL CONNECTED CURRENT: 784 A	
								TOTAL DEMAND CURRENT: 818 A	

NOTES:

- ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED
- (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.

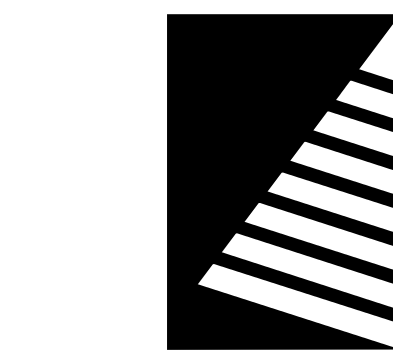


GENERAL NOTES

- A. PROVIDE ELECTRICAL CONNECTIONS TO ALL EQUIPMENT SHOWN ON SHEET PRIOR TO THE INSTALLATION OF SWB-A. THREE DOAS UNITS WILL BE "TEMPORARILY" CONNECTED TO THE EXISTING (E)MSB WHILE SWB-A IS BEING PURCHASED AND INSTALLED. ALL OTHER CONNECTIONS (CONNECTIONS NOT DIRECTLY TO (E)MSB) ARE THE FINAL CONNECTIONS. CONNECTIONS SHALL BE MADE BEFORE SCHOOL BEGINS IN THE FALL SO THAT THE HVAC SYSTEM IS FULLY OPERATION PRIOR TO SCHOOL...
- B. REVIEW ELECTRICAL CONNECTIONS SHOWN ON E2.1 AND E2.5. E2.1 SHOWS FINAL CONNECTIONS FOR THE ENTIRE NEW HVAC SYSTEM IN ITS FINAL CONSTRUCTION. STATE: E2.5 SHOWS CONNECTIONS NEEDED TO BE MADE PRIOR TO THE START OF THE NEXT SCHOOL YEAR. AN ATTEMPT HAS BEEN MADE TO MINIMIZE RE-WORK BY HAVE THE BRANCH CIRCUITS COMPLETED DURING THE TEMPORARY PHASE MATCH THE FINAL CONSTRUCTION PHASE. DOAS 1, 2, AND 3 ARE THE ONLY PEICES OF EQUIPMENT WHICH CIRCUITS WILL NEED TO BE MOVED DURING THE FINAL CONSTRUCTION PHASE.

KEYNOTES

- EXISTING DISTRIBUTION PANEL IS LOCATED ON FIRST FLOOR IN GEN. STOR. X106. (E)MDP IS TO REMAIN UNTIL SWB-A IS AVAILABLE AND READY TO BE INSTALLED.
- EQUIPMENT WILL BE TEMPORARILY FED FROM EXISTING DISTRIBUTION PANEL (E)MDP UNTIL THE NEW SWITCHBOARD SWB-A HAS BEEN INSTALLED. RE-USE NEW BREAKERS INSTALLED IN (E)MDP IN SWB-A. SEE EQUIPMENT DATA SCHEDULE FOR CONDUIT AND CONDUCTOR SIZE.
- EQUIPMENT WILL BE TEMPORARILY FED FROM EXISTING DISTRIBUTION PANEL (E)MDP UNTIL THE NEW SWITCHBOARD SWB-A HAS BEEN INSTALLED. RE-USE EXISTING BREAKER IN (E)MDP. PROVIDE NEW BREAKER IN SWB-A. SEE EQUIPMENT DATA SCHEDULE FOR CONDUIT AND CONDUCTOR SIZE.



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GROUP

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Engineers | Architects | Surveyors | Scientists

ISSUE:

DATE: DESCRIPTION:

1	05/05/2025	ADD 04
2	05/08/2025	ADD 07

Bid Set
04/03/2025

PROJECT:

Robinson CUSD #2

Washington
Elementary
Renovation & Addition

507 W. Condit St. Robinson, IL
62454

DATE: 04/03/2025

DESIGNED: TJS/RCW

DRAWN: RCW/DGM

REVIEWED: TJS

SHEET TITLE:

TEMPORARY
ELECTRICAL
CONNECTIONS

SHEET NUMBER:

E2.5

PROJECT NO.: 02401781.001

5/8/2025 8:40:59 AM

1

TEMPORARY ELECTRICAL CONNECTIONS ROOF PLAN

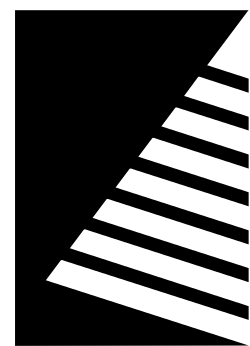
SCALE: 1" = 20'-0"



KEY PLAN

SCALE: NO SCALE





Farnsworth GROUP

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ISSUE:
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1 05/08/2025 ADD 07

WITH REGARDS TO SPECIFICATION FOR POWER SYSTEMS STUDIES (260573), THE FOLLOWING TIMELINE OF SHOP DRAWINGS MUST BE STRICTLY ADHERED TO:

- A. ELECTRICAL DISTRIBUTION EQUIPMENT IS DEFINED AS ANY EQUIPMENT THAT HAS AN AIC RATING THAT MAY BE AFFECTED BY THE POWER SYSTEMS STUDY. EQUIPMENT WITH DEVICES THAT HAVE ADJUSTABLE SETTINGS OR MAY NEED TO HAVE ADJUSTABILITY ADDED AS PART OF THE POWER SYSTEMS STUDY, AND EQUIPMENT THAT WILL HAVE AN ARC FLASH LABEL APPLIED.
- B. THE VENDOR(S) PROVIDING THE ELECTRICAL DISTRIBUTION EQUIPMENT WILL COORDINATE WITH THE PERSON COMPLETING THE POWER SYSTEMS STUDY SO THAT ELECTRICAL DISTRIBUTION EQUIPMENT IS IN STRICT ADHERENCE TO THE REQUIREMENTS OF THE POWER SYSTEMS STUDY.

KEYNOTES

- INVERTER PANEL SHOWN FOR REFERENCE. PANEL IS INTERGRAL TO INVERTER UNIT.
- SEE EQUIPMENT DATA SCHEDULE ON E5.2 FOR CONDUIT AND FEEDER SIZE.
- VERIFY EXISTING GROUND CONNECTIONS. PROVIDE NEW GROUND CONNECTIONS WHERE CONNECTIONS DO NOT EXIST.

FEEDER SCHEDULE

MARK	CONDUIT & CONDUCTORS (SEE NOTE 1)	REMARKS
3/0G	1#3/0G BARE COPPER	
40A3G	3#8, 1#10G, 3/4"C	
100A4G	4#1, 1#8G, 2"C	
225A4G	4#4, 1#4G, 2-1/2"C	
800A4G	3 SETS (4#300, 1#10G, 2-1/2"C)	
2500A4G	7 SETS (4#500, 3"C)	

REMARKS:

- THIS FEEDER SCHEDULE IS BASED ON 60 DEGREE CENTIGRADE (TYPE TW) WIRE AND TERMINATIONS FOR SIZES #12 TO #1, AND 75 DEGREE CENTIGRADE (TYPE THHN/THWN) WIRE AND TERMINATIONS FOR SIZES #1/0 AND LARGER. UNLESS NOTED OTHERWISE, CONDUIT IS SIZED BASED ON TYPE EMT CONDUIT. USE OF OTHER CONDUIT TYPES REQUIRES RESIZING OF CONDUIT.

NEW ELECTRICAL SERVICE RESPONSIBILITY SCHEDULE

ITEM	DESCRIPTION	FURNISHED BY	INSTALLED BY	REMARKS
A	TRANSFORMER SITE COMPACTION	EC	EC	-
B	NEW TRANSFORMER BASE	U	U	-
C	NEW TRANSFORMER	U	U	-
D	BUMPER POSTS (BOLLARDS)			-
E	TRENCHING FROM UTILITY POLE TO TRANSFORMER	EC	EC	-
F	PRIMARY CONDUIT(S) & DUCT BANK	EC	EC	-
G	MANHOLES	EC	EC	-
H	PRIMARY CONDUCTORS	U	U	-
I	SECONDARY CONDUIT(S) TO MAIN SWITCHBOARD	EC	EC	-
J	SECONDARY CONDUCTORS TO MAIN SWITCHBOARD	EC	EC	-
K	C.T.'S	U	U	-
L	C.T. CABINETS	EC	EC	-
M	METERS	U	U	-
N	METER SOCKETS	EC	EC	-
O	CONDUIT FROM TRANSFORMER TO METER	EC	EC	-
P	WIRING TERMINATIONS AT METERING EQUIPMENT	EC	EC	-
Q	EUSERC CABINET	N/A	N/A	-
R	MAIN SWITCHBOARD	EC	EC	-

REMARKS: ELECTRIC UTILITY COMPANY: AMEREN ILLINOIS, CONTACT REED HARDIEK: rhardiek@ameren.com

SWITCHBOARD SWB-A

VOLTAGE: 208/120V		SCC RATING (SYM):		65 KA		MOUNTING:			PAD
PHASE / WIRE: 3Ø / 4W		OPD INTERRUPTING RATING (SYM):		65 KA		MCB GROUND FAULT PROTECTION (Y/N):			Y
RATED AMPERAGE: 2500 A		ISOLATED GROUND BUS (Y/N):		N		MCB SHUNT TRIP (Y/N):			N
MAIN: 2500 A MCB		BUSSING:		SEE SPEC		MCB 100% RATED (Y/N):			Y
ITEM NO.	IDENTIFICATION	BREAKER FRAME	BREAKER TRIP	TYPE (*)	POLE	A	B	C	REMARKS
1	DEDICATED OUTDOOR AIR SYSTEM (DOAS 1)	250 A	200 A		3	16337 VA	16337 VA	16337 VA	
2	A-LK-1, A-LK-2	600 A	300 A		3	4763 VA	4127 VA	4238 VA	
3	DEDICATED OUTDOOR AIR SYSTEM (DOAS 2)	250 A	175 A		3	12990 VA	12990 VA	12990 VA	
4	A-LC-1, A-LD-1	600 A	300 A		3	6370 VA	6620 VA	6208 VA	
5	DEDICATED OUTDOOR AIR SYSTEM (DOAS 3)	250 A	110 A		3	8084 VA	8084 VA	8084 VA	
6	A-LH-1	600 A	400 A		3	37720 VA	37698 VA	37838 VA	
7	DEDICATED OUTDOOR AIR SYSTEM (DOAS 6)	250 A	175 A		3	13002 VA	13002 VA	13002 VA	
8	A-LH-2	250 A	225 A		3	20229 VA	18038 VA	17551 VA	
9	A-BR-1	250 A	200 A		3	7300 VA	7228 VA	7100 VA	
10	A-LB-1, A-LB-2	250 A	200 A		3	4324 VA	2640 VA	2528 VA	
11	A-LF-1, A-LG-1	250 A	200 A		3	500 VA	400 VA	700 VA	
12	CONDENSING UNIT (CU 1)	250 A	150 A		3	11035 VA	11035 VA	11035 VA	
13	CONDENSING UNIT (CU 2)	250 A	150 A		3	11035 VA	11035 VA	11035 VA	
14	CONDENSING UNIT (CU 3)	250 A	200 A		3	13530 VA	13530 VA	13530 VA	
15	CONDENSING UNIT (CU 4)	250 A	200 A		3	13530 VA	13530 VA	13530 VA	
16	MDP-B	800 A	800 A		3	74832 VA	69633 VA	64349 VA	
17	SPD	60 A	60 A		3	5 VA	5 VA	5 VA	
18	SPACE	--	--		3	--	--	--	
19	SPACE	--	--		3	--	--	--	
20	SPACE	--	--		3	--	--	--	
TOTAL CONNECTED LOAD:						255586 VA	245932 VA	240061 VA	
TOTAL AMPS:						2137 A	2057 A	2001 A	
Load Classification		Connected Load	Demand Factor	Demand Load		PANEL TOTALS			
Motor		593041 VA	102.07%	605293 VA		TOTAL CONNECTED LOAD: 741579 VA			
HVAC		4270 VA	100.00%	4270 VA		TOTAL DEMAND: 729167 VA			
Lighting - Continuous		19783 VA	125.00%	24729 VA		TOTAL CONNECTED CURRENT: 2058 A			
Receptacle		69220 VA	57.22%	39610 VA		TOTAL DEMAND CURRENT: 2024 A			
Other Non-Continuous Load		3400 VA	100.00%	3400 VA					
NOTES:									
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED									
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = SHUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.									

PANELBOARD MDP-B

VOLTAGE: 208/120V				CONNECTED LOAD PER PHASE				ISOLATED GROUND BUS (Y/N): N									
PHASE / WIRE: 3Ø / 4W				PHASE				BUSSING: SEE SPEC									
RATED AMPERAGE: 800 A				A		B		C		MOUNTING: SURFACE							
MAIN: 800 A MCB										MCB GROUND FAULT PROTECTION (Y/N): N							
SCC RATING (SYM): 42,000 A				74832 VA		69633 VA		64349 VA		MCB SHUNT TRIP (Y/N): N							
				630 A		587 A		536 A		MCB 100% RATED (Y/N): N							
CKT	IDENTIFICATION	TYPE (*)	BKR SIZE	POLES	A		B		C		POLES	BKR SIZE	TYPE (*)	IDENTIFICATION	CKT		
1	ROOFTOP UNIT (RTU 4)		110 A	3	7581	9020					3	100 A		B-LJ-1	2		
3							7581	5940								4	
5									7581	7020							6
7																	8
9	ROOFTOP UNIT (RTU 5)		110 A	3	7581	5247					3	100 A		B-LJ-2	10		
11							7581	5766								12	
13									7581	5334							14
15																	16
17	DEDICATED OUTDOOR AIR SYSTEM (DOAS 4)		90 A	3	6441	6531					3	100 A		B-LM-1	18		
19							6441	10311								20	
21									6441	3991							22
23																	24
25	DEDICATED OUTDOOR AIR SYSTEM (DOAS 5)		90 A	3	6285	10964					3	225 A		B-LN-1	26		
27							6285	6101								28	
29									6285	8601							30
31																	32
33	HEAT PUMP (HP 4)		100 A	3	5757	2835					2	40 A		LTG INV	34		
35							5757	1280								36	
37									5757	--					1	--	38
39															1	--	40
41	HEAT PUMP (HP 5)		100 A	3	5757	--					1	--		SPACE	42		
43									5757	--					1	--	44
45															1	--	46
47															1	--	48
49	HEAT PUMP (HP 8)		15 A	2	832	--					1	--		SPACE	50		
51							832	--	--	--					1	--	52
53															1	--	54
55															1	--	56
57	SPACE		--	1							1	--		SPACE	58		
59																	60
61																	62
63																	64
Load Classification					Connected Load		Demand Factor		Demand Load		PANEL TOTALS						
Motor					120507 VA		104.72%		126193 VA								
HVAC					2063 VA		100.00%		2063 VA		TOTAL CONNECTED LOAD: 208813 VA						
Lighting - Continuous					19783 VA		125.00%		24729 VA		TOTAL DEMAND: 192714 VA						
Receptacle					63460 VA		57.88%		36730 VA		TOTAL CONNECTED CURRENT: 580 A						
Other Non-Continuous Load					3000 VA		100.00%		3000 VA		TOTAL DEMAND CURRENT: 535 A						
NOTES:																	
1. ALL BREAKERS ARE STANDARD UNLESS OTHERWISE NOTED																	
2. (*) NUMBER INDICATES BREAKER TYPE: 1 = AFCI, 2 = CLASS A 5mA GFCI, 3 = 30mA GFPE, 4 = S HUNT TRIP ACTIVATED, 5 = PANELBOARD FEEDER SERVING UNIT SHALL BE LOCKABLE USING A PADLOCK, IN ACCORDANCE WITH OSHA LOCK-OUT-TAG RULES, 6 = LSI, 7 = LSIG.																	

1 ONE-LINE DIAGRAM

SCALE: NOT TO SCALE

Washington Elementary Renovation & Addition

507 W. Condit St. Robinson, IL 62454

DATE: 04/03/2025

DESIGNED: TJS/RCW

DRAWN: RCW/DGM

REVIEWED: TJS

SHEET TITLE:

ONE-LINE DIAGRAM

SHEET NUMBER:

E4.1

PROJECT NO.: 02401781.001

SECTION 00 4100 - BID FORM

THE PROJECT AND THE PARTIES

1.1. TO:

- A. Robinson CUSD #2 (Owner)
1. 1301 North Allen Street, Robinson, IL 62454

1.2. FOR:

- A. Project: Robinson CUSD #2 Washington Elementary Renovation & Addition
507 West Condit Street, Robinson, IL 62454
Robinson, Illinois 62454

1.3. DATE: _____ (BIDDER TO ENTER DATE)

1.4. SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

- A. Bidder's Company Full Name _____
1. Bidder's Primary Contact _____
2. Address _____
3. City, State, Zip _____
4. Phone _____
5. Email _____

1.5. OFFER

- A. The Undersigned, having received and examined the Bidding Documents titled Robinson CUSD #2 Washington Elementary Renovation & Addition, dated 04/03/2025, and having visited the site and examined the conditions affecting the Work, we hereby proposes and agrees to furnish all labor, materials, equipment, appliances and services, and to perform operations necessary to complete the Work as required by said Bidding Documents, for the Work identified below.

- B. Base Bid: _____ dollars
(\$ _____), in lawful money of the United States of America.

- C. All Contingency Allowances described in Section 01 2100 - Allowances are included in the Bid Sum.

1.6. ACKNOWLEDGEMENTS

- A. The Undersigned acknowledges the following:
1. Receipt of complete set of bidding documents and understands the meaning of their content and shall willingly comply with the guidelines set forth in those documents.
 2. Receipt of Addenda numbers (identify each addenda individually) _____.
 3. Bid Guarantee/Bond executed by the Bidder, equal to five (5) percent of bid amount, is attached to completed bid form.
 4. Non-Collusion Affidavit is completed and attached to completed bid form.
 5. Costs and premiums for Performance Bond and Payment Bond, insurance, all permits and fees are included in the bid amount.
 6. Bids for Base Bid will be held good for a period of sixty (60) and Alternates will be held good for a period of sixty (60) days subsequent to the opening of Bids.
 7. The undersigned agrees to comply with Owner's and building leaser's policies:
 - a. Comply with the Illinois Drug Free Workplace Act,
 - b. Comply with the Illinois Prevailing Wage Act, 820 IL CS 130/1 et seq. and use Wage Determination as determined by the Illinois Department of Labor, Conciliation, and

Mediation Division.

1.7. BID FORM SIGNATURE(S)

- A. The Corporate Seal of
- B. _____
- C. (Bidder - print the full name of your firm)
- D. was hereunto affixed in the presence of:
- E. _____
- F. (Authorized signing officer, Title)
- G. (Seal)
- H. _____
- I. (Authorized signing officer, Title)

- 1.8. IF THE BID IS A JOINT VENTURE OR PARTNERSHIP, ADD ADDITIONAL FORMS OF EXECUTION FOR EACH MEMBER OF THE JOINT VENTURE IN THE APPROPRIATE FORM OR FORMS AS ABOVE.

END OF BID FORM

SECTION 01 2100 - ALLOWANCES

PART 1 GENERAL

1.1. SECTION INCLUDES

- A. Cash allowances.
- B. Payment and modification procedures relating to allowances.

1.2. CASH ALLOWANCES

- A. Costs Included in Cash Allowances: Cost of product and service to Contractor or subcontractor, less applicable trade discounts

1.3. ALLOWANCES SCHEDULE

- A. Section 00 3100: Include the stipulated sum of \$20,000 for all work and required services to remove hazardous materials within the building. Hazardous materials include, but are not limited to, asbestos containing materials.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION