ADDENDUM NO. 02

November 30, 2023

Northwestern School Corporation – Maintenance Building
3431 County Rd N 400 W
Kokomo, IN 46901

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated November 3, 2023, by Schmidt Associates. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2, and attached Schmidt Associates Addendum No. 2 dated November 30, 2023, consisting of 2 pages, Specification Section 233439 – High Volume, Low Speed Fans, and Drawing Sheets: 7-A-600, 7-P-601, and 7-P-901.

BID DUE DATE/BID OPENING DATE REMINDER

The Bid Due Date is **Thursday, December 7, 2023, at 2:00 PM (local time)**
The Bid Opening will occur on **Thursday, December 7, 2023, 2023, at 2:00 PM (local time)**

The Bid Opening on **Thursday, December 7, 2023, at 2:00 PM (local time)** will be a Virtual Microsoft Teams Meeting **ONLY**.

Microsoft Teams meeting
Join on your computer or mobile app
Click here to join the meeting
Meeting ID: 259 360 699 387
Passcode: ZhiwBv
Download Teams | Join on the web
Or call in (audio only)
+1 317-762-3960,,854808436# United States, Indianapolis
Phone Conference ID: 854 808 436#
Find a local number | Reset PIN

A. SECTION 00 10 00 INSTRUCTION TO BIDDERS

See attached eBID Electronic Bid Submission Instructions. Bids can be submitted online through the Skillman Planroom (skillmanplanroom.com) via the eBID Electronic Bid Submission System.

Bids will also be accepted in person at:

Northwestern School Corporation
3075 N. Washington Street
Kokomo, IN 46901

B. SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

1. Paragraph 3.03A Bid Categories

A. Bid Category No. 15 – Maintenance Building

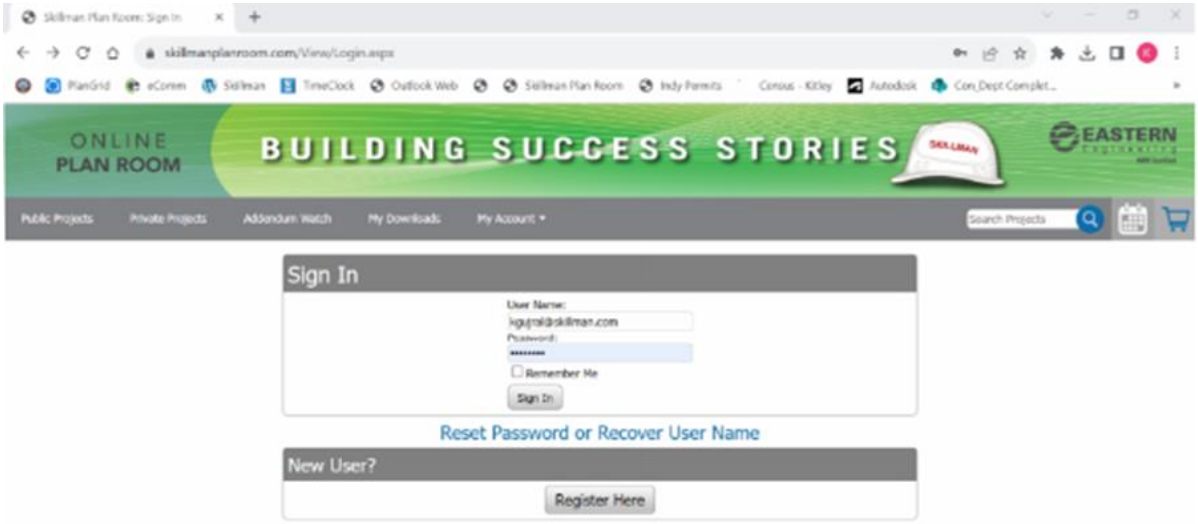
Add the following Specification Section:
Section 23 34 39 High-Volume, Low-Speed Fans

Add the following Clarifications:

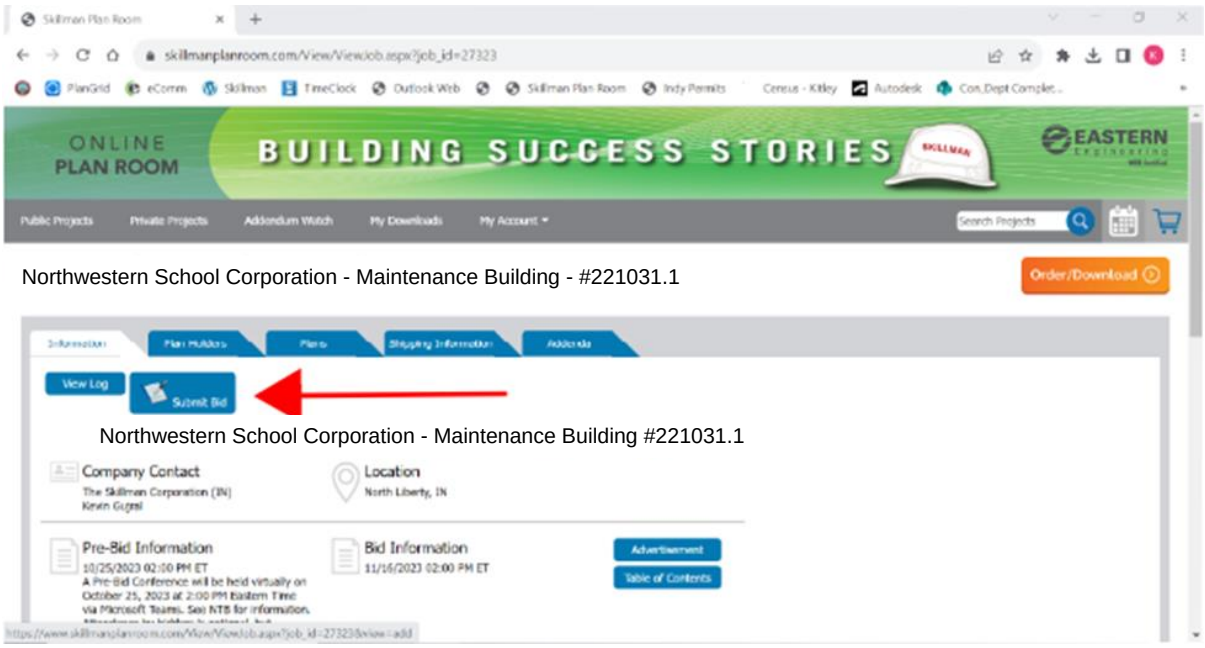
2. Include a $10,000 allowance for the Maintenance Building electrical service for primary conduits, secondary conduits and secondary conductors.
3. Include a $15,000 allowance for the Maintenance Building well work to include inspection, evaluation, disinfection, and replacement of submersible pump if needed.
4. The steel fabricator does NOT need to be AISC certified. The steel fabricator must be a member of AISC and implement a quality program that is equal to or exceeds the requirements of the AISC certification program.

SECTION 00 10 00 - eBID INSTRUCTIONS

GO TO SKILLMANPLANROOM.COM - DO NOT WAIT UNTIL 2:00 PM EASTERN TIME TO SUBMIT YOUR BID; WHEN THE COUNTDOWN CLOCK EXPIRES, EVEN IF YOU ARE IN THE MIDDLE OF THE BID SUBMISSION PROCESS, YOUR BID WILL NOT BE ACCEPTED BY THE eBID SYSTEM.



1. SIGN IN
2. Click NORTHWESTERN SCHOOL CORPORATION - MAINTENANCE BUILDING
3. Click SUBMIT BID and FOLLOW INSTRUCTIONS



- SAVE YOUR BID FORM AND **ALL REQUIRED ATTACHMENTS** IN PDF FORMAT (**ONE FILE PER BC)**
- TITLE YOUR PDF BID FILE AS: NSC Maintenance_Bidders Name_BC No. 15
- UPLOAD PDF BID FILE TO THE *BID DOCUMENT AREA (Drag & Drop or Click Browse To Select File)
- CLICK SUBMIT BID

ADDENDUM NO. 2
NOVEMBER 30, 2023

PREPARED BY SCHMIDT ASSOCIATES FOR:
MAINTENANCE BUILDING DESIGN
NORTHWESTERN (HOWARD) SCHOOL CORPORATION

This Addendum consists of two Addendum page(s) and nine attachment pages totaling eleven pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

2.1 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)

A. **Section 233439 "HIGH-VOLUME, LOW-SPEED FANS**"

1. ADD Section per the attached.

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

DRAWING NO.	INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R),
A-SERIES DRAWINGS	
7-A-600	DELETE AND REPLACE
P-SERIES DRAWINGS	
7-P-601	DELETE AND REPLACE
7-P-901	DELETE AND REPLACE

END OF ADDENDUM 2

SECTION 233439 - HIGH-VOLUME, LOW-SPEED FANS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes high-volume, low-speed fans.

1.3 DEFINITIONS

A. HVLS - High volume, low speed.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include rated capacities, furnished specialties, and accessories for each fan.
2. Certified fan performance curves with system operating conditions indicated.
3. Certified fan sound-power ratings.
4. Motor ratings and electrical characteristics, plus motor and electrical accessories.
5. Material thickness and finishes, including color charts.
6. Fan speed controllers.

1.5 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For HVLS fans to include in emergency, operation, and maintenance manuals.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in a clean and dry place.

B. Comply with manufacturer's written rigging and installation instructions for unloading and moving to final installed location.

C. Handle products carefully to prevent damage, breaking, denting, and scoring. Do not install damaged products.

D. Protect products from weather, dirt, dust, water, construction debris, and physical damage.

1. Retain factory-applied coverings on equipment to protect finishes during construction and remove just prior to operating unit.
2. Cover unit openings before installation to prevent dirt and dust from entering inside of units. If required to remove coverings during unit installation, reapply coverings over openings after unit installation and remove just prior to operating unit.

E. Replace installed products damaged during construction.

1.7 WARRANTY

A. Warranty: Manufacturer and Installer agree to repair or replace components of fans that fail in materials or workmanship within specified warranty period.

1. Warranty Period:

a. For Motor, Including Controls: Five year(s) from date of Substantial Completion.
b. For Parts, Including Blades and Hub: Five year(s) from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

B. UL Compliance: Listed and labeled to UL 507.

C. Comply with NFPA 13 requirements for HVLS fans.

D. AMCA Compliance:

1. Test HVLS fans according to AMCA 230.
2. Certify HVLS fan performance according to AMCA 211.

E. Performance Data: Comply with ANSI 230 test procedure standard, based on five rating points: 20-, 40-, 60-, 80-, and 100-percent of maximum speed. Comply with AMCA 211 for publication of performance data.

2.2 MANUFACTURERS

A. Provide products by one of the following:

1. Greenheck
2. Big Ass Fans
3. Cook

4. EuroVent
5. Skyblade
6. Canarm

B. Source Limitations: Obtain HVLS fans from single source from single manufacturer.

2.3 HIGH-VOLUME, LOW-SPEED FANS

A. Description: Factory-assembled and -tested horizontal, non-ducted fan unit, consisting of large-diameter blade set, direct-drive electric motor, with variable-speed motor controller.

1. Provide fan designed to circulate large air volume, vertically, at low velocity.
2. Maximum Operating Temperature: 140 deg F.
3. Frame:

    a. Material: Aluminum or Stainless steel.

4. Diameter: 20 feet.
5. Blades: Airfoil type.

    a. Quantity: Minimum 3.
    b. Material: Aluminum.

        1) Blade Finish: Anodized.

6. Motor: integral to fan frame.
7. Wiring and Controls Enclosure:

    a. NEMA 250, Class 1.
    b. Material: Aluminum.

    c. Grounded.

8. Controls: Provide wall-mounted keypad.

    a. Provide variable speed motor controller speed control.

9. Mounting Bracket: Miscellaneous steel or standard bracket as necessary. .
10. Accessories:

    a. Mounting extension tube. Refer to drawings and coordinate all trades.
    b. Guy wires.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine conditions for compliance with requirements for installation tolerances and other conditions affecting HVLS fan performance, maintenance, and operations.

B. Examine roughing-in for mounting location, anchor-bolt sizes, and locations, to verify actual locations for mounting connections before installation of fan.

C. Examine areas for suitable conditions where fan will be installed.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF HIGH-VOLUME LOW-SPEED FANS

A. Install fan according to manufacturer's published instructions.

B. Comply with NECA 1 and NFPA 70.

C. Comply with NFPA 13 for installation of HVLS fans and maximum allowable fan diameter. Center HVLS fans between four adjacent sprinklers. Minimum vertical clearance from HVLS fan to sprinkler deflector is 3 feet.

D. Comply with NFPA 72 and interlock HVLS fans to shut down upon receiving an alarm from fire alarm system.

E. Equipment Mounting:

1. Anchor fan to building structure with manufacturer's recommended mounting bracket for installed condition.
2. Consult a licensed professional structural engineer for mounting methods and approval for mounting to the structure. Structure must be able to withstand the torque and forces generated by the fan.
3. Comply with requirements for hangers and supports specified in Section 230529 "Hangers and Supports for HVAC Piping and Equipment."

F. Install unit to permit access for maintenance.

G. Install parts and accessories shipped loose.

3.3 ELECTRICAL CONNECTIONS

A. Connect wiring according to Section 260519 "Low-Voltage Electrical Power Conductors and Cables."

B. Ground equipment according to Section 260526 "Grounding and Bonding for Electrical Systems."

C. Install electrical devices furnished by manufacturer, but not factory mounted, according to NFPA 70 and NECA 1.

D. Install nameplate for each electrical connection, indicating electrical equipment designation and circuit number feeding connection.

1. Nameplate shall be laminated acrylic or melamine plastic signs, as specified in Section 260553 "Identification for Electrical Systems."

E. Install power wiring to field-mounted electrical devices, furnished by fan manufacturer, but not factory mounted.

3.4 CONTROL CONNECTIONS

A. Connect control wiring according to Section 260523 "Control-Voltage Electrical Power Cables."

B. Connect control interlock wiring between HVLS fan and other equipment or devices to provide a complete and functioning system.

C. Install control devices furnished by manufacturer, but not factory mounted.

D. Install control wiring to field-mounted control devices, furnished by fan manufacturer, but not factory mounted.

E. Protect installed units from damage caused by other work.

3.5 FIELD QUALITY CONTROL

A. Perform the following tests and inspections with the assistance of a factory-authorized service representative:

1. Fan Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

B. Fan or components will be considered defective if fan or components do not pass tests and inspections.

3.6 STARTUP SERVICE

A. Engage a factory-authorized service representative to perform startup service.

1. Complete installation and startup checks according to manufacturer's written instructions.
2. Verify that fan is secure on mountings and supporting devices and that connections to electrical systems are complete. Verify that proper thermal-overload protection is installed in motors, controllers and switches.
3. Verify proper motor rotation direction and free fan rotation.
4. Check bearing lubrication.
5. Verify proper fan rotation. Set rotation selector to blow vertically downward during heating season, and vertically upward during cooling season.

3.7 ADJUSTING

A. Comply with requirements in Section 230593 "Testing, Adjusting, and Balancing for HVAC" for air-handling system testing, adjusting, and balancing.

3.8 CLEANING

A. Clean equipment externally; remove coatings applied for protection during shipping and storage, foreign material, and oily residue according to manufacturer's written instructions. Following manufacturer's cleaning procedures, and clean with manufacturer-recommended cleaning products.

3.9 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain HVLS fans.

B. Video training sessions, and provide electronic copy of video to Owner.

END OF SECTION 233439

DOOR & FRAME SCHEDULE

MARK	DOOR PANEL							FRAME			LABEL	HDWR SET	NOTES	MARK
	TYPE	QTY	MATL	GLAZ	SIZE H	SIZE W	SIZE TH	MARK	MATL	GLAZ				
A110.1	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		01		A110.1
A110.3	OH	1	ST	--	12' - 0"	10' - 0"	0' - 3"	--	--	--		08		A110.3
A110.4	OH	1	ST	--	12' - 0"	10' - 0"	0' - 3"	--	--	--		08		A110.4
A102	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		03		A102
A103	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		03		A103
A101	NV	1	WD	TG	7' - 0"	3' - 0"	0' - 1 3/4"	F2	TG	--		06		A101
A110.2	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		01		A110.2
A105	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		04		A105
A107	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		07		A107
A106	F	1	WD	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		04		A106
A113	G	2	HM	IG-1	7' - 0"	6' - 0"	0' - 1 3/4"	F2	HM	--		09		A113
A110.6	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		05		A110.6
A110.5	OH	1	ST	--	12' - 0"	10' - 0"	0' - 3"	--	--	--		08		A110.5
A104	F	1	HM	--	7' - 0"	3' - 0"	0' - 1 3/4"	F2	HM	--		02		A104

A2

GENERAL NOTES

A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed lite or sidelite openings). Should any particular door, frame, or interior borrowed lite or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.

B. The "QTY" column designates the number of leaves in the opening. The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise; however, the active leaf shall not be less than 3'-0" wide.

C. Door Type "X" denotes a frame with no door such as a borrowed lite, reference Frame Elevations.

D. An asterisk (*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.

E. Verify locksets with the Owner during submittals.

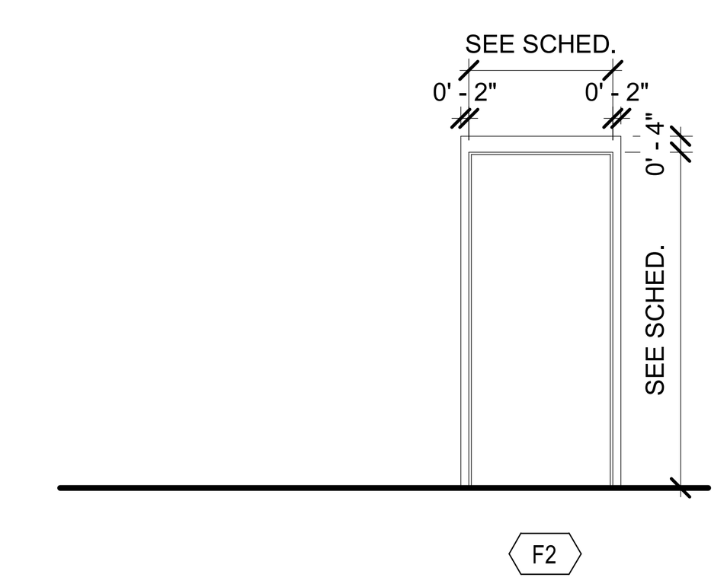
ABBREVIATIONS

AL Aluminum
HM Hollow Metal
ST Steel
WD Wood
TG Tempered Glazing
IG Insulated Glazing
LG Laminated Glazing
FG Frosted Glazing
SP Spandrel Panel

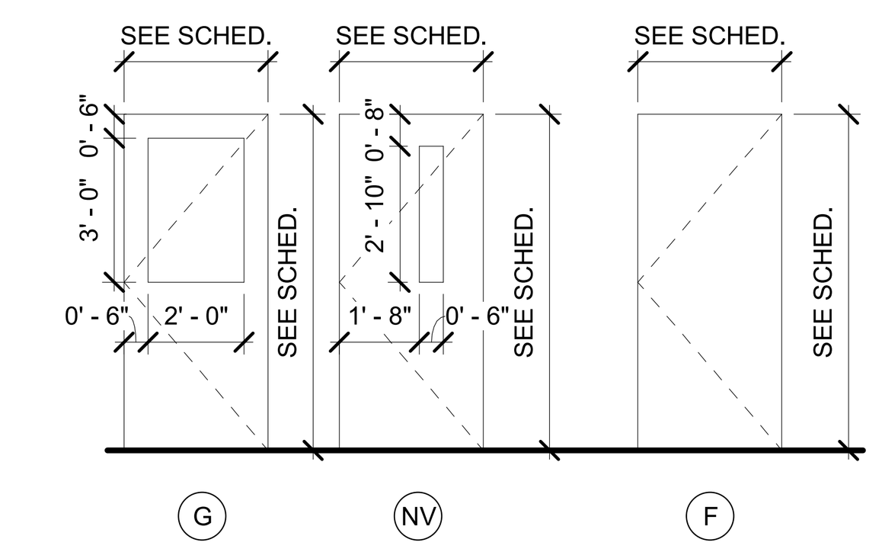
DOOR & FRAME SCHEDULE NOTES
See Door Schedule

1. Existing door and frame to remain. New hardware only. Field verify all existing door and frame information as required for installation of new hardware.
2. New door/frame in existing masonry wall. Tooth in new masonry into existing as required.
3. Set door in frame to allow for 180° door swing.

5.4.601 - DOOR AND FRAME LEGEND
1/8" = 1'-0"



5.4.603 - FRAME ELEVATIONS
1/4" = 1'-0"

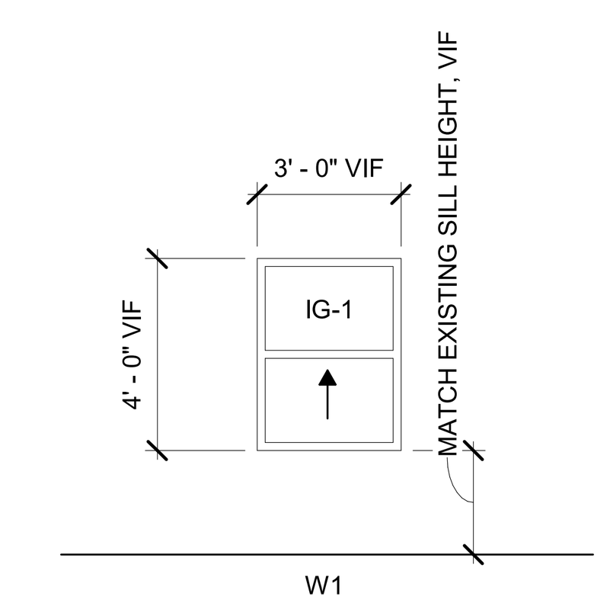


5.4.602 - DOOR PANEL ELEVATIONS
1/4" = 1'-0"

GLAZING SCHEDULE

REFERENCE SPECIFICATION SECTION 088000 - GLAZING

IG-1 - 1" REFLECTIVE COATED, TINTED INSULATING VISION GLASS



5.4.603 - WINDOW ELEVATIONS
1/4" = 1'-0"

SCHMIDT ASSOCIATES
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415 Massachusetts Ave., Indianapolis, IN 46204
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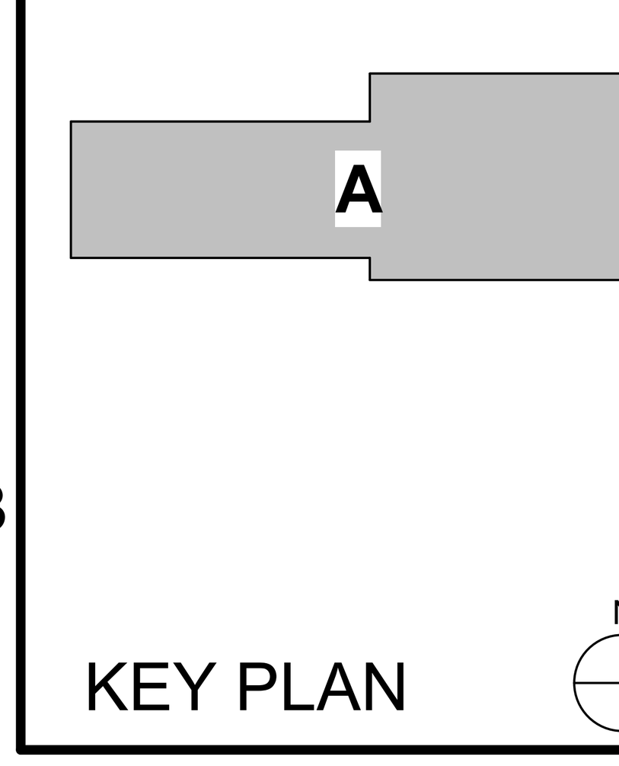
Project No. 2022-086.MBD
Project Date 10.31.2023
Produced TE MP

SARAH KATHLEEN HEMPSTEAD REGISTERED NO. AR10400134 STATE OF INDIANA ARCHITECT

#	Revision	Date
A2	Addendum 2	11.30.2023

4154 W 350 N.
Kokomo, IN 46901



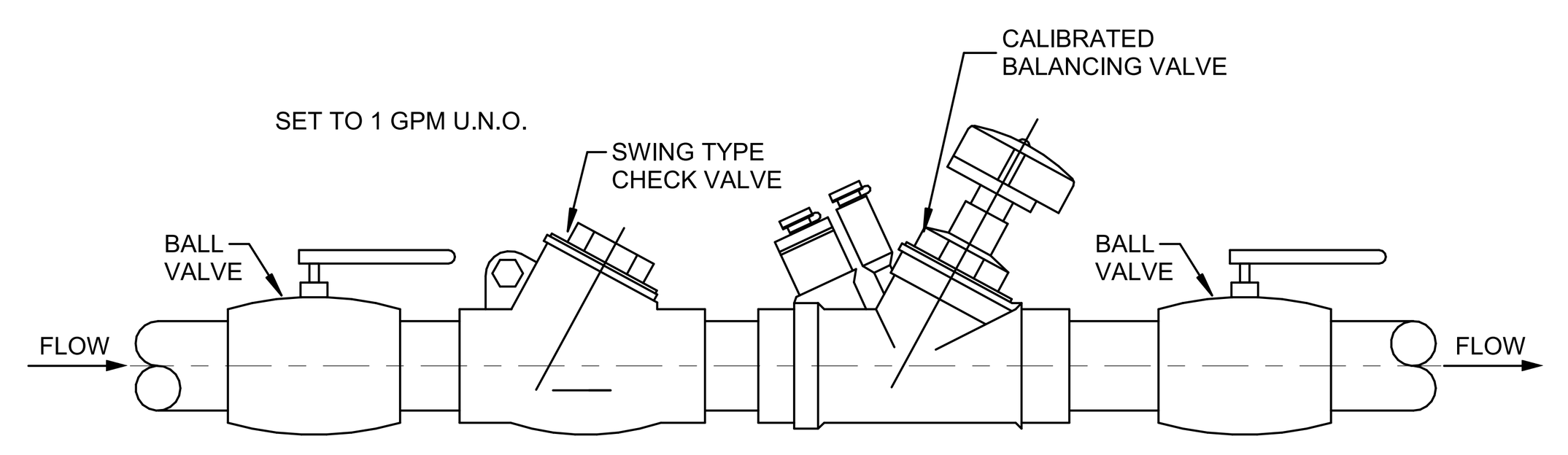
KEY PLAN

NORTHWESTERN SCHOOL CORPORATION

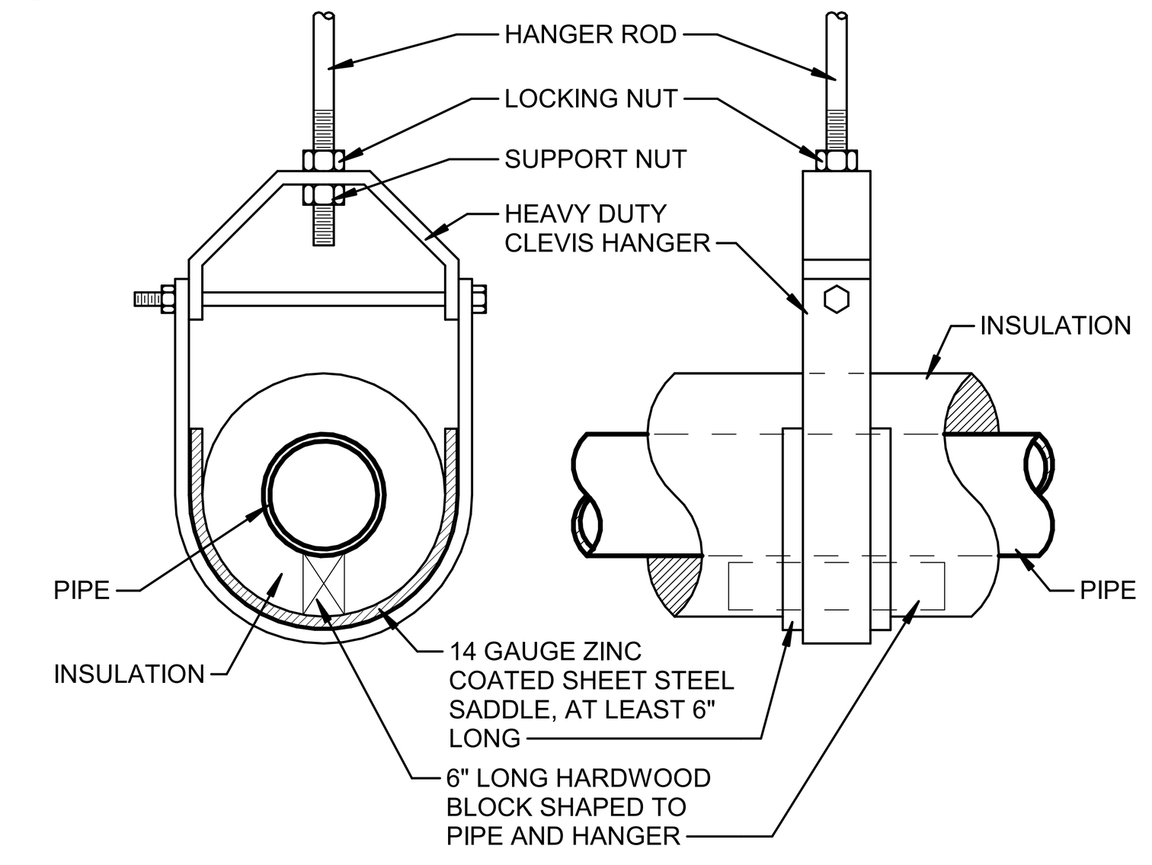
MULTIPLE PROJECTS

DOOR & FRAME SCHEDULE

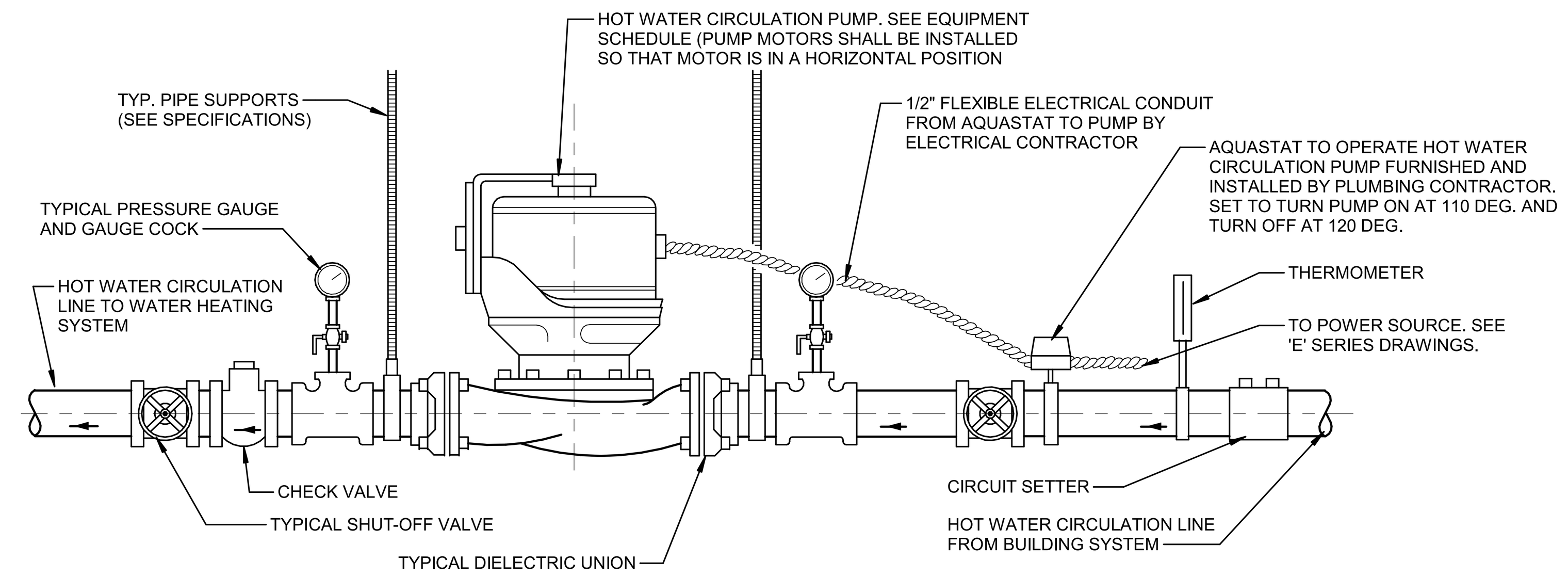
7-A-600



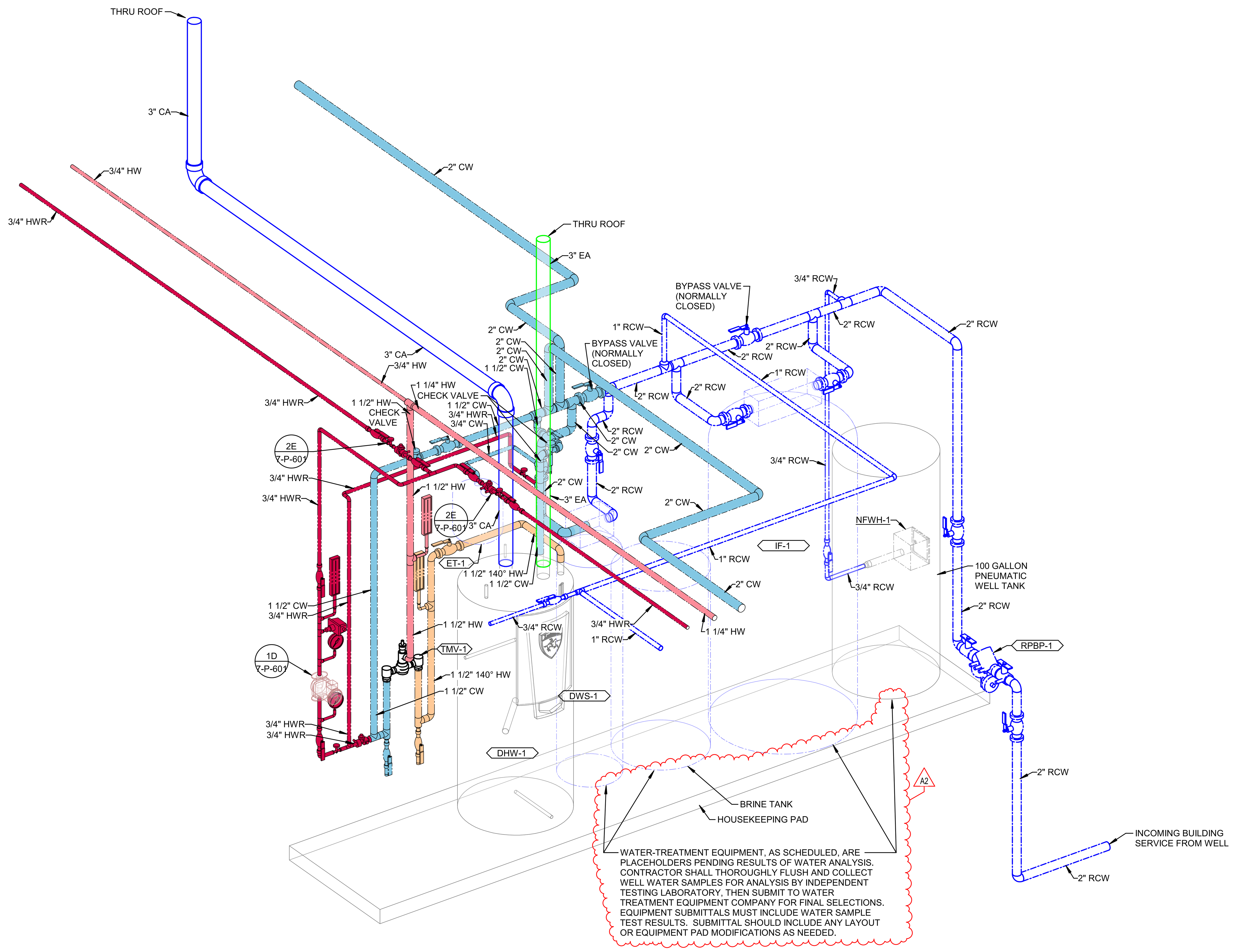
2E HOT WATER BALANCING VALVE STATION
NOT TO SCALE



1E PIPE HANGER (6" & SMALLER) DETAIL
NOT TO SCALE



1D HOT WATER RECIRCULATION PUMP
NOT TO SCALE



4B PLUMBING EQUIPMENT PIPING DIAGRAM
NOT TO SCALE

SOLIDS/OIL INTERCEPTOR SCHEDULE

IDENTITY DATA					CAPACITY			
MARK	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE (GPM)	OIL (GAL)	LIQUID (GAL)	SOLIDS (GAL)	NOTES
OIL-1	STRIEM	#OS-100	OIL/SAND SEPARATOR	100	144	250	95	
SI-1	STRIEM	#SIDEKICK	POINT-OF-USE SOLIDS INTERCEPTOR	23	NA	NA	0.17	

FUEL-FIRED, DOMESTIC WATER HEATERS

IDENTITY DATA				PLUMBING				NATURAL GAS	ELECTRICAL		
MARK	MANUFACTURER	MODEL	DESCRIPTION	STORAGE (GAL)	GPH RECOVERY (GAL)	INTAKE	EXHAUST	INPUT (BTU/H)	VOLTAGE	PHASE	NOTES
DHW-1	LOCHINVAR	#PRN050 45ES	GAS-FIRED, TANK-TYPE DOMESTIC WATER HEATER	50	50	3"	3"	45000	120	1	

EXPANSION TANKS

IDENTITY DATA						
MARK	MANUFACTURER	MODEL	DESCRIPTION	CAPACITY (GAL)	ACCEPTANCE VOLUME (GAL)	NOTES
ET-1	AMTROL	#ST-5C	DOMESTIC HOT WATER EXPANSION TANK	2.1	0.9	

MIXING, METERING, AND PRESSURE REDUCING VALVES (221119)

IDENTITY DATA						
MARK	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE	PRESSURE DROP	NOTES
RPBP-1	ZURN WILKINS	#975XLS2 - 2"	REDUCED PRESSURE BACKFLOW PREVENTER	160 GPM	15.20 psi	
TMV-1	SYMMONS	#7-500	TEMPERATURE-ACTUATED, WATER MIXING VALVE	22 GPM	5.00 psi	
TMV-2	LAWLER	#911EF	EMERGENCY EYEWASH THERMOSTATIC MIXING VALVE	3 GPM	10.00 psi	

PLUMBING PUMPS (221123.99)

	IDENTITY DATA			PLUMBING		ELECTRICAL				
MARK	MANUFACTURER	MODEL	DESCRIPTION	FLOW RATE (GPM)	PUMP HEAD (TDH)	VOLTAGE	PHASE	RPM	HP	NOTES
HWCP-1	BELL AND GOSSETT	SERIES E-90 #1.25AAB	120° DOMESTIC HOT WATER CIRCULATION PUMP	0	0	120	1		1/2	

IRON FILTER SCHEDULE

EQUIPMENT				MEDIA	CONTINUOUS (EACH)		MAX. DRAIN	ELECTRICAL		
MARK	MANUFACTURER	MODEL	DESCRIPTION	(FT³)	FLOW RATE	PRESSURE DROP	FLOW	VOLTAGE	PHASE	NOTES
IF-1	AQUASYSTEMS	#3150 - 2"	IRON FILTER SYSTEM	20	35 GPM	9.00 psi	85 GPM	120 V	1	

DOMESTIC WATER SOFTENERS (223100)

SOFTENER				BRINE TANK	CONTINUOUS (EACH)		PEAK (EACH)		ELECTRICAL		
MARK	MANUFACTURER	MODEL	DESCRIPTION	DESCRIPTION	FLOW RATE	PRESSURE DROP	FLOW RATE	PRESSURE DROP	VOLTAGE	PHASE	NOTES
DWS-1	AQUASYSTEMS	(1) #400	SINGLE DOMESTIC WATER SOFTENER WITH BRINE TANK	ROTATIONAL MOLDED; 24" X 50"	42 GPM	15.00 psi	55 GPM	25.00 psi	120 V	1	

DOMESTIC WATER PIPING SPECIALTIES SCHEDULE (221119)

IDENTITY DATA				FIXTURE CONNECTION				MOUNTING	
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V	(FLOOR TO OUTLET)	NOTES
HB-1	ZURN	#Z1330-XL	HOSE BIB WITH RECESSED BOX	3/4"				18" A.F.F.	
HB-2	ZURN	#Z1341XL	HOSE BIBB	3/4"				24" A.F.F.	
IMB-1	GUY GRAY	#SSIB2AB	ICEMAKER OUTLET BOX	1/2"				24" A.F.F.	
NFWH-1	ZURN	#Z1320-CXL-NB	NONFREEZE WALL HYDRANT WITH RECESSED BOX	3/4"				18" A.F.F.	

SANITARY WASTE PIPING SPECIALTIES (221319)

FIXTURE					W	
MARK	MANUFACTURER	MODEL	DESCRIPTION	ACCESSORIES	CONNECTION	NOTES
FD-1	J.R. SMITH	#2005YA-U-PB	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	TRAPGUARD BY PROSET, NO SUBSTITUTIONS	2"	
FD-2	J.R. SMITH	#3200Y-14	DUCO CAST IRON BODY WITH DOME BOTTOM STRAINER, NICKEL BRONZE RIM AND GRATE WITH SQUARE CENTER HOLE		4"	
TD-1	J.R. SMITH	#2816Y-M	HEAVY-DUTY TRENCH DRAIN WITH TRAFFIC-RATED DUCTILE IRON GRATE		4"	

COMMERCIAL AND RESIDENTIAL WATER CLOSETS SCHEDULE (224100, 224213.13)

FIXTURE				TRIM				FIXTURE CONNECTION				ADA	
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPF	CW	W	V	MOUNTING	COMPLIANT	NOTES
WC-1	AMERICAN STANDARD	#2257.101	WALL-MOUNTED, TOP SPUD WATER CLOSET	SLOAN	ROYAL #111-1.6	MANUAL	1.6	1"	4"	2"	14"	No	
WC-2	AMERICAN STANDARD	#2257.101	WALL-MOUNTED, TOP SPUD, ACCESSIBLE WATER CLOSET	SLOAN	ROYAL #111-1.6	MANUAL	1.6	1"	4"	2"	17"	Yes	

COMMERCIAL URINALS SCHEDULE (224213.16)

FIXTURE				TRIM				FIXTURE CONNECTION				ADA	
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPF	CW	W	V	MOUNTING	COMPLIANT	NOTES
UR-1	AMERICAN STANDARD	#6590.001	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	ROYAL #186-0.5	MANUAL	0.5	3/4"	2"	1 1/2"	17"	Yes	

COMMERCIAL AND RESIDENTIAL LAVATORIES (224100, 224216.13)

FIXTURE				TRIM				FIXTURE CONNECTION				MOUNTING	ADA	
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPM	CW	HW	W	V	(FLOOR TO RIM)	COMPLIANT	NOTES
L-1	AMERICAN STANDARD	#0356.015	VITREOUS CHINA, WALL MOUNTED, WITH BACK	CHICAGO FAUCET	#404-HZE70ABCP	MANUAL	0.5	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	

COMMERCIAL AND RESIDENTIAL SINKS (224100, 224216.16)

FIXTURE				TRIM				ACCESSORIES		FIXTURE CONNECTION				MOUNTING	ADA	
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	GPM	STRAINER	GARBAGE DISPOSER	CW	HW	W	V	(FLOOR TO RIM)	COMPLIANT	NOTES
LT-1	MUSTEE	#18F	ONE PIECE, MOLDED FIBERGLASS LAUNDRY TUB	CHICAGO FAUCET	#772-ABCP	MANUAL	2.2	GRID	NA	1/2"	1/2"	1 1/2"	1 1/2"	FLOOR MOUNTED		
SK-1	ELKAY	#LR2219	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#201-AHA8XKABCP	MANUAL	2.2	GRID	NA	1/2"	1/2"	1 1/2"	1 1/2"	COUNTER MOUNTED	No	

EMERGENCY PLUMBING FIXTURE SCHEDULE (224500)

IDENTITY DATA				FIXTURE CONNECTION				
MARK	MANUFACTURER	MODEL	DESCRIPTION	T	W	V	MOUNTING	NOTES
EEW-1	GUARDIAN	#G1784	ACCESSIBLE, FREESTANDING, PLUMBED, EYE/FACE WASH UNIT	1 1/4"	1 1/2"	1 1/2"	FLOOR MOUNTED	

WATER HAMMER ARRESTER (221119)

MARK	MANUFACTURER	MODEL	DESCRIPTION	F.U. RATING
WHA-A	ZURN	#Z1700-100	WATER HAMMER ARRESTOR	1-11
WHA-C	ZURN	#Z1700-300	WATER HAMMER ARRESTOR	33-60

SCHMIDT ASSOCIATES
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Project No. 2022-086.MBD
Project Date 10.31.2023
Produced MJS JH

SARAH KATHLEEN HEMPSTEAD REGISTERED NO. AR10400134 STATE OF INDIANA ARCHITECT

#	Revision	Date
A2	Addendum #2	11.30.2023

4154 W 350 N.
Kokomo, IN 46901

KEY PLAN

A

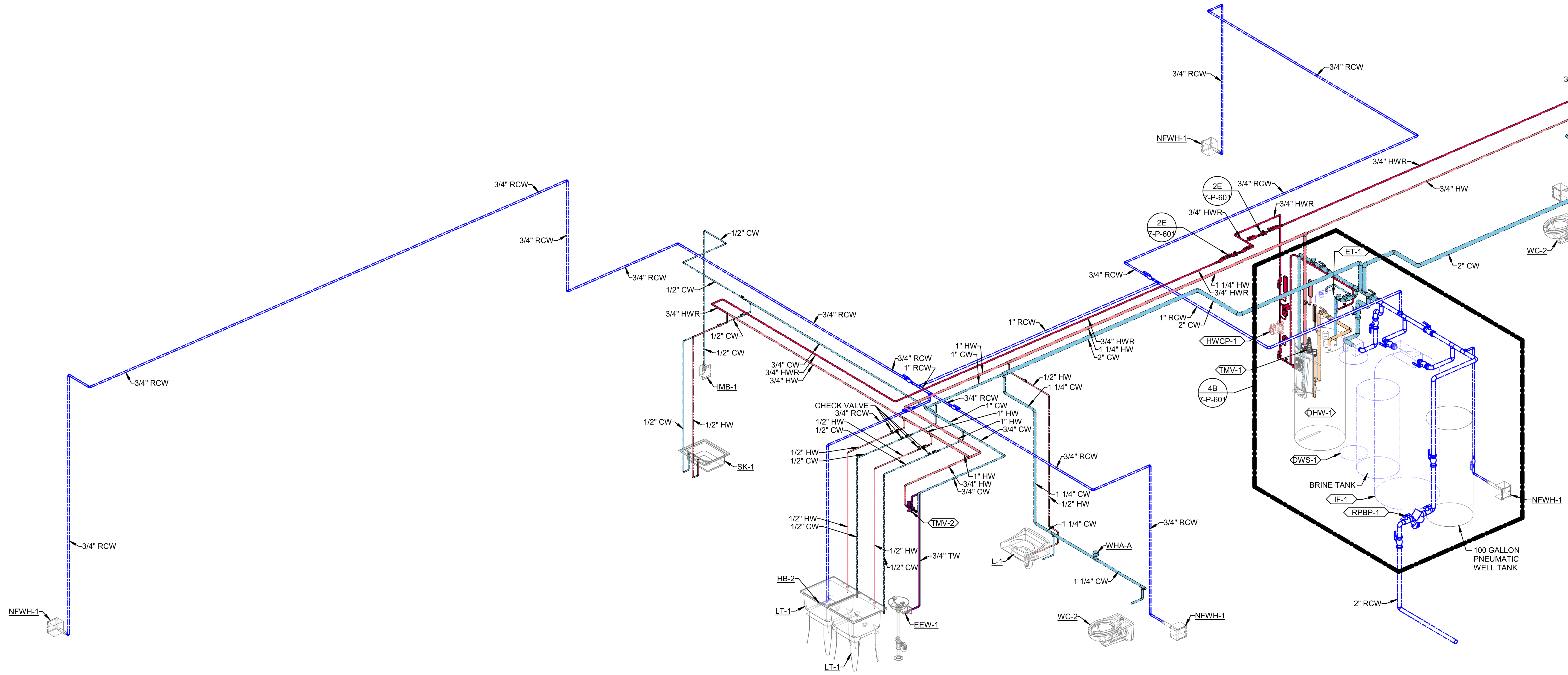
NORTHWESTERN SCHOOL CORPORATION

Maintenance Building

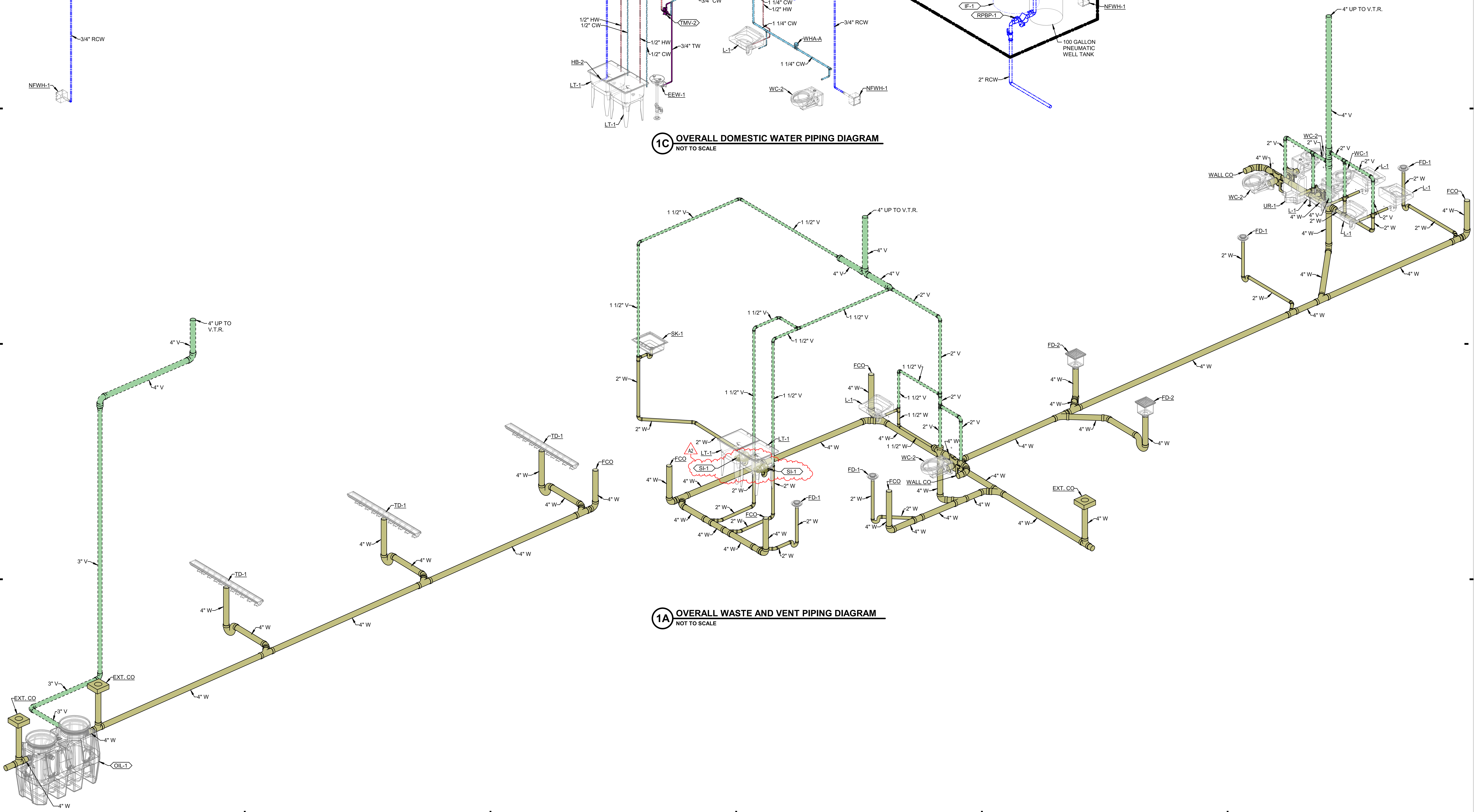
PLUMBING SCHEDULES AND DETAILS

7-P-601

PLUMBING FIXTURE ROUGH-IN LEGEND				
	FIXTURE CONNECTION			
MARK	CW	HW	W	V
EEW-1	1 1/4"	1/2"	1 1/2"	1 1/2"
FD-1			2"	
FD-2			4"	
TD-1			4"	
L-1	1/2"	1/2"	1 1/2"	1 1/2"
HB-1	3/4"			
HB-2	3/4"			
IMB-1	1/2"			
NFWH-1	3/4"			
FCO				
LT-1	1/2"	1/2"	1 1/2"	1 1/2"
SK-1	1/2"	1/2"	1 1/2"	1 1/2"
UR-1	3/4"		2"	1 1/2"
WC-1	1"		4"	2"
WC-2	1"		4"	2"



1C OVERALL DOMESTIC WATER PIPING DIAGRAM
NOT TO SCALE



1A OVERALL WASTE AND VENT PIPING DIAGRAM
NOT TO SCALE

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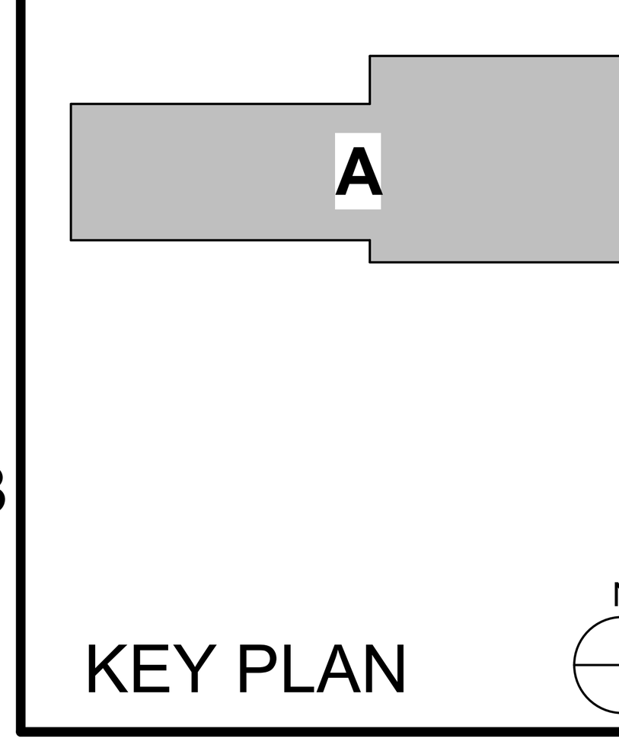

KEY PLAN

NORTHWESTERN SCHOOL CORPORATION

Maintenance Building

PLUMBING ISOMETRICS

7-P-901