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**Addendum No. 4
Russell County Industrial Development Authority
The SEED Academy Project
Bid Date: August 22, 2024
Addendum Issue Date: August 15, 2024**

The Contractor shall conform to the following changes, as same shall become binding upon the Contract to be issued in response to this invitation.

Item 1: Replace the following Plan Sheets with the attached revised Plan Sheets:

- | | |
|---------------|-------------------|
| P – 1 | Plumbing Plan |
| P – 2 | Plumbing Risers |
| UM – 1 | Site Utility Plan |

END OF ADDENDUM NO. 4

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	HW	CW	WASTE	DESCRIPTION
P-1	WATER CLOSET FLOOR MOUNT SENSOR FLUSH	--	1-1/2"	4"	AMERICAN STANDARD MADERA #2234.001.020, STANDARD HEIGHT ELONGATED WATER CLOSET, FLOOR MOUNTED WITH EXPOSED TOP SPUD SLOAN OPTIMA SENSOR OPERATED FLUSH VALVE #B111-MC-YB/C, BATTERY POWERED, 1.6 GAL/FLUSH. PROVIDE CHURCH #9500C OPEN FRONT SEAT, NO COVER, PROVIDE CHROME SUPPLY AND ESCUTCHEON.
P-1A	WATER CLOSET FLOOR MOUNT SENSOR FLUSH	--	1-1/2"	4"	AMERICAN STANDARD MADERA #3043.001.020, ADA HEIGHT ELONGATED WATER CLOSET, FLOOR MOUNTED WITH EXPOSED TOP SPUD SLOAN OPTIMA SENSOR OPERATED FLUSH VALVE #B111-MC-YB/C, BATTERY POWERED, 1.6 GAL/FLUSH. PROVIDE CHURCH 9500C OPEN FRONT SEAT, NO COVER, PROVIDE CHROME SUPPLY AND ESCUTCHEON.
P-2	URINAL	--	3/4"	2"	AMERICAN STANDARD WASH-BROOK FLOWISE #6590.001 TOP SPUD WALL HUNG URINAL, MOUNT TOP OF UP AT 24" ABOVE FINISHED FLOOR. PROVIDE 3/4" EXPOSED ELECTRONIC BATTERY OPERATED FLUSH VALVE #6063.151.002 0.5 GAL/FLUSH. PROVIDE CHROME ESCUTCHEON.
P-2A	URINAL BARRIER FREE	--	3/4"	2"	SIMILAR TO P-2, BUT MOUNT TOP OF UP AT 17" AFF.
P-3	WALL HUNG LAVATORY AMERICAN STANDARD "LUCERNE" D355.012	1/2"	1/2"	1-1/2"	WALL HUNG LAVATORY. 4-INCH FAUCET CENTERS. 3 FAUCET HOLES. WHITE VITREOUS CHINA. OVERALL DIMENSIONS --- H: 12-1/8" W: 18-1/4" L: 20-1/2" BASIN DIMENSIONS --- W: 10" L: 15" D: 6-1/2" FAUCET: DELTA, MODEL #8501F, SINGLE LEVER HANDLE, 4-1/4" SPOUT, POLISHED CHROME. PROVIDE WITH GRID STRAINER SEE ARCHITECTURAL
P-3A	AMERICAN STANDARD "AQUALYN" 0476.028	1/2"	1/2"	1-1/2"	20-3/8" H X 3/8" C/W CHROME PLATED WITH STOPS LAVATORY: WHITE VITREOUS CHINA COUNTERTOP SELF RIMMING CHINA FAUCET: POLISHED CHROME
P-4A	HI-LOW DRINKING FOUNTAIN BARRIER FREE NON-REFRIGERATED W/BOTTLE FILLER	--	1/2"	1-1/2"	HALSEY TAYLOR #HTHB-HACDBLSS-NF HYDROBOOST BOTTLE FILLING STATION & BI-LEVEL ADA COOLER NON-FILTERED NON-REFRIGERATED STAINLESS, W/FLEX GUARD SAFETY BUBBLER, FRONT PUSH BAR PADS, WALL HANGER, EXTERNAL BUBBLER STREAM HEIGHT ADJUSTMENT, MOUNT CENTER LINE OF LEFT HAND BUBBLER AT 44" ABOVE FINISHED FLOOR WITH ADA COMPLIANT NON-METALLIC APRON. LOWER RIGHT HAND BUBBLER CENTER AT 36" ABOVE FINISHED FLOOR. INCLUDES BOTTLE FILLER ACCESSORY.
P-5	MOP SINK	3/4"	3/4"	3"	FIAT #MS92424 MOP SERVICE BASIN CONSTRUCTED OF MOLDED STONE 24" X 24" X 10" HIGH. PROVIDE SPEAKMAN #SC-5811-RCP SERVICE SINK FAUCET WITH VACUUM BREAKER. MOUNT FAUCET 36" ABOVE FINISHED FLOOR. PROVIDE DRAIN STRAINER, SPOUT BRACE, BUMPER GUARD, FILL HOSE, HOSE HANGER AND MOP HANGER ACCESSORIES.
P-6	UTILITY SINK FLOOR STANDING	1/2"	1/2"	1-1/2"	FIAT #FL1 MOLDED STONE WITH BAKED ENAMEL STEEL LEGS 23" X 21-1/2" X 13" DEEP WITH FAUCET LEDGE. PROVIDE BASKET STRAINER AND DELTA FAUCET 2133ZF CLASSIC TWO HANDLE LAUNDRY FAUCET WITH 6-INCH SPOUT, WING HANDLES, CHROME FINISH WITH VACUUM BREAKER. 1.8 GALLON PER MINUTE FLOW. PROVIDE CHROME PLATED STOPS AND ESCUTCHEONS.
P-7	MULTISTATION WASH FOUNTAIN	3/4"	3/4"	2"	BRADLEY MODEL WF2703 THREE PERSON WASH STATION. 36" WIDE SEM-CIRCULAR 14-GAUGE STAINLESS STEEL DESIGNED FOR HEAVY DUTY HAND WASHING WITH BATTERY OPERATED SENSOR OPERATION. 1.25GPM APPROXIMATE FLOW-RATE.
P-8	KITCHEN SINK DROP-IN	1/2"	1/2"	1-1/2"	ELKAY AVENUE #HDB033229TR1 33" X 22" X 9" DEEP, SELF RIMMING DBL. BOWL 18-GAUGE STAINLESS STEEL SINK WITH 1-HOLE PUNCH, BOTTOM GRIDS AND STAINLESS STEEL BASKET STRAINERS. PROVIDE VICO EDSON STAINLESS STEEL GOOSENECK FAUCET WITH DUAL ACTION PULL-DOWN SPRAYER AND SINGLE LEVER HANDLE. 18.5" FAUCET HEIGHT. PROVIDE CHROME PLATED BRASS ADJUSTABLE P-TRAP AND TAILPIECE WITH CLEANOUT PLUG. ADJUSTABLE CHROME PLATED BRASS ANGLE SUPPLIES WITH STAINLESS STEEL LOOSE KEY STOPS.

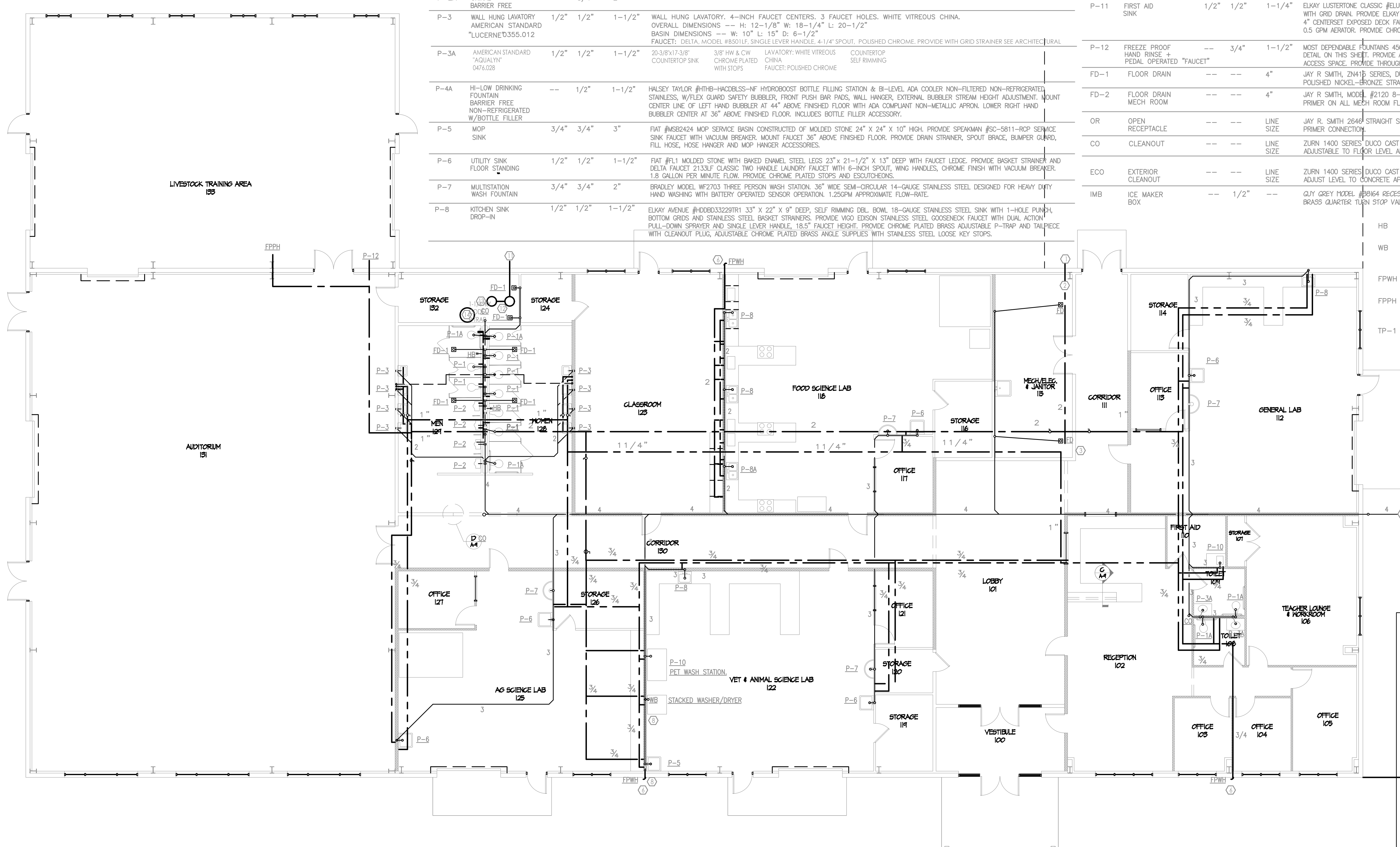
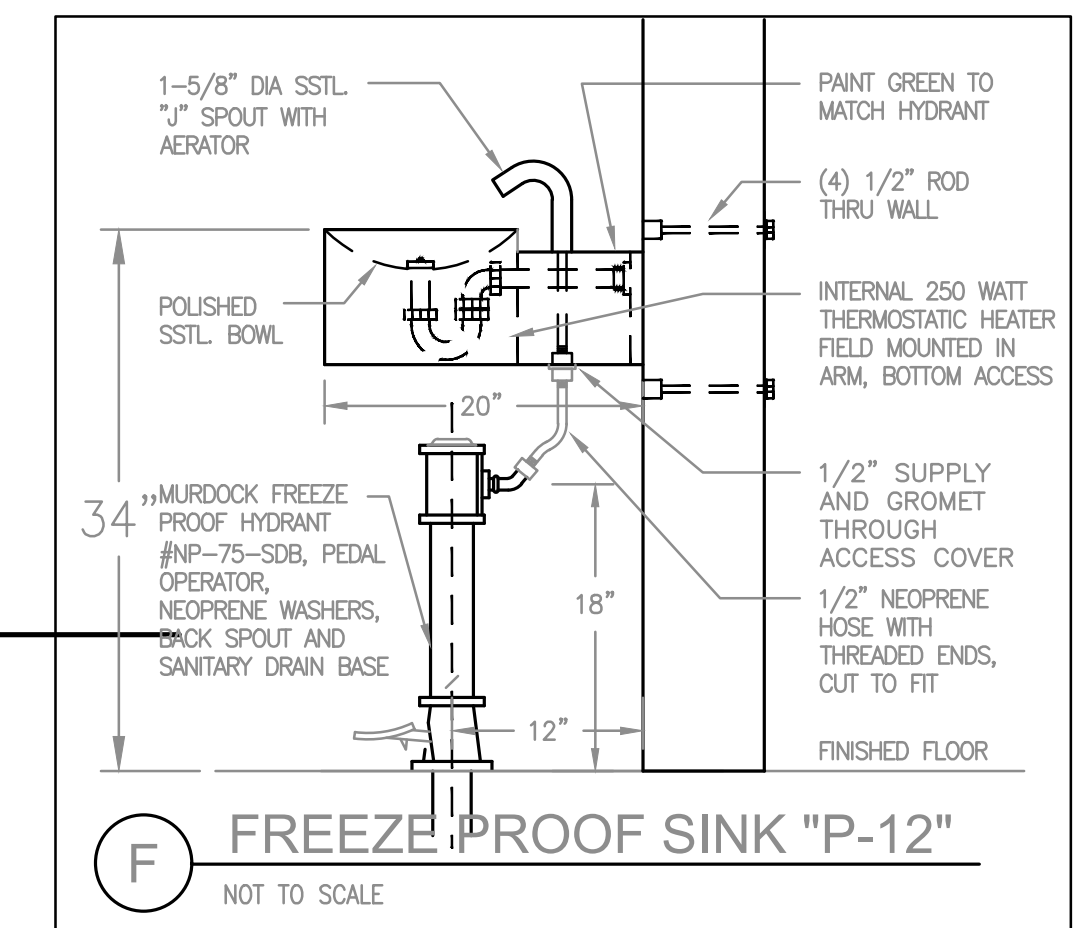
PLUMBING FIXTURE SCHEDULE

P-8A	KITCHEN SINK DROP-IN 50/50 BOWL BARRIER FREE	1/2"	1/2"	1-1/2"	SIMILAR TO P-8 BUT 5-1/2" DEEP AND WITH ADA SINGLE LEVER PULL DOWN FAUCET. WRAP FITTINGS AND TRAP FOR BARRIER FREE PROTECTION.
P-9	LAB SINK	1/2"	1/2"	1-1/2"	ELKAY LUSTERTONE CLASSIC #ELUH2115 STAINLESS STEEL 23-1/2" X 18-1/4" X 7-1/2", SINGLE BOWL UNDERMOUNT SINK 18-GAUGE WITH LKPD1 3-1/2" STAINLESS STEEL STRAINER DRAIN. PROVIDE SPEAKMAN COMMANDER DOUBLE HANDLE LABORATORY FAUCET #SC-7122-E WITH 13-INCH TALL GOOSENECK FAUCET AND 1.2 GPM AERATOR.
P-10	PET WASHING STATION	1/2"	1/2"	1-1/2"	VENOR 62 INCH LARGE DOG GROOMING TUB STAINLESS STEEL WITH HOSE FAUCET SPRAYER AND WALK UP RAMP. REFER TO ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR SHALL PROVIDE AN IN-DRAIN TOP REMOVAL HAIR TRAP SIMILAR TO SMARTWAY 625 PET HAIR STRAINER AND CONTRACTOR SHALL ALSO PROVIDE A RIDALCO #ENDURA 1.5" ABS DWV IN-LINE DRAIN STRAINER H X H AT THE P-TRAP WITH 10 TIMES THE OPEN AREA OF THE INLET/OUTLET. PROVIDE STAINLESS STEEL SLEEVY STOPS AND ESCUTCHEONS.
P-11	FIRST AID SINK	1/2"	1/2"	1-1/4"	ELKAY LUSTERTONE CLASSIC #ELUH3116 STAINLESS STEEL 16" X 18-1/2" X 7-7/8", SINGLE BOWL UNDERMOUNT SINK WITH GRID DRAIN. PROVIDE ELKAY #LK40690474 4" CENTERSET EXPOSED DECK FAUCET WITH 4" GOOSENECK SPOUT AND 4" WRISTBLADE HANDLES. CHROME FINISH AND 0.5 GPM AERATOR. PROVIDE CHROME PLATED TRAP, STOPS AND ESCUTCHEONS.
P-12	FREEZE PROOF HAND RINSE + PEDAL OPERATED "FAUCET"	--	3/4"	1-1/2"	MOST DEPENDABLE FOUNTAINS 450 WMP5 WITH 10 GAUGE STEEL BOWL AND A PEDAL OPERATED HYDRANT FAUCET -SEE DETAIL ON THIS SHEET. PROVIDE A FIELD INSTALLED NELSON THERMOSTATIC 250 WATT PIPE-N-HAT CONCEALED IN ARM ACCESS SPACE. PROVIDE THROUGH WALL MOUNTING BOLTS AND MOUNT TOP OF RIM AT 34" AFF.
FD-1	FLOOR DRAIN	--	--	4"	JAY R SMITH, ZN415 SERIES, DUCO CAST IRON BODY, 1/2" TRAP PRIMER CONNECTION WITH 6" SQUARE POLISHED NICKEL-BRONZE STRAINER.
FD-2	FLOOR DRAIN MECH ROOM	--	--	4"	JAY R SMITH, MODEL #2120 8-1/2" DIA. ROUND HEAVY DUTY CAST IRON DRAIN AND GRATE. PROVIDE A TRAP PRIMER ON ALL MECH ROOM FLOOR DRAINS.
OR	OPEN RECEPTACLE	--	--	LINE SIZE	JAY R. SMITH 2640 STRAIGHT SPOUT ADAPTER WITH TOP AT 2" AFF OR AS REQUIRED. PROVIDE WITH TRAP PRIMER CONNECTION.
CO	CLEANOUT	--	--	LINE SIZE	ZURN 1400 SERIES DUCO CAST IRON BODY WITH ROUND HEAVY DUTY SCORIATED POLISHED BRONZE TOP. ADJUSTABLE TO FLOOR LEVEL AFTER CONCRETE HAS SET.
ECO	EXTERIOR CLEANOUT	--	--	LINE SIZE	ZURN 1400 SERIES DUCO CAST IRON BODY WITH ROUND HEAVY DUTY ENAMEL COATED DUCTILE IRON TOP. ADJUST LEVEL TO CONCRETE APRON. SEE DETAIL THIS SHEET.
IMB	ICE MAKER BOX	--	1/2"	--	QUY GREY MODEL #B016 RECESSED STAINLESS STL. 10X18" BOX W/ STAINLESS STL. FACEPLATE AND 1/2"-HIGH BRASS QUARTER TURN STOP VALVES. INSTALL AT 24" AFF.

HB	HOSE BIBB	--	1/2"	--	WOODFORD MODEL 24P-1/2 WITH REMOVABLE KEY HANDLE, VACUUM BREAKER AND POLISHED CHROME FINISH.
WB	WASHER BOX	1/2"	1/2"	2"	QUY GREY MODEL #B2026 11.63" X 9.5" GALVANIZED METAL WASHING MACHINE OUTLET BOX. 1/2" MPV INLET CONNECTION.
FPWH	WALL HYDRANT	--	3/4"	--	WOODFORD MODEL 65C, AUTOMATIC DRAINING, FREEZELESS, WITH VACUUM BREAKER, LOOSE KEY.
FPFH	POST HYDRANT	--	3/4"	--	MURDOCK M75-VB 3/4" CAST IRON FREEZE RESISTANT POST HYDRANT WITH WHEEL HANDLE AND VACUUM BREAKER.
TP-1	TRAP PRIMER	--	--	--	ZURN Z-1022, TRAP PRIMER SHALL BE INSTALLED IN COLD WATER SUPPLY LINE OF NEAR BY PLUMBING FIXTURE, ONE TRAP PRIMER PER FLOOR DRAIN, ONE TRAP PRIMER PER FIXTURE.

SHEET/GENERAL NOTES

- 2" WATER ENTRANCE TO BUILDING. COORDINATE METERING (1 1/4" METER) AND INSTALLATION WITH LOCAL WATER COMPANY. PAY ALL INSTALLATION AND METER FEES.
- 1 1/2" REDUCED PRESSURE BACKFLOW PREVENTER, DRAIN "DRIP" TO FLOOR DRAIN.
- RESIDENTIAL STYLE 50 GALLON, 4.5 KW WATER HEATER. PLACE ON 4" HOUSEKEEPING PAD.
- ALL HOT WATER PIPING, AND ALL WATER LINES BELOW SLAB SHALL BE INSULATED WITH 1/2" ARM-A-FLEX.
- WATER PIPING MAY BE INSTALLED OVERHEAD (CU), OR BELOW SLAB (PEX).
- 4" HOUSE MAIN INTO BUILDING.
- NATURAL GAS PIPING IS SHOWN ON SHEET M-1.
- 4" ALUMINUM DRYER VENT. UP TO 8' AFF. TAKE TO WALL AND TERMINATE IN ALUMINUM DRYER VENT CAP.
- FREEZE PROOF WALL HYDRANT. 16" ABOVE FINISHED GRADE. INSTALL BALL VALVE BEHIND 12 X 12 ACCESS DOOR AT FLOOR LEVEL.
- EXTEND 1" WATER LINE (APPROXIMATELY 150') TO FUTURE GREENHOUSE BUILDING AND SET A FPPH AT LOCATION SELECTED BY OWNER.
- SPRINKLER ENTRANCE TO BUILDING. SIZED BY SPRINKLER CONTRACTOR.
- WET SPRINKLER SYSTEM VALVE.
- DRY SPRINKLER SYSTEM VALVE.
- DRY SPRINKLER AIR COMPRESSOR.



The Seed Academy
Lake Cumberland Regional AgriTech Center
Russell Springs, Kentucky

DATE	REVISION

PROJECT NO. 2019-34
DESIGNED BY: TBM
DRAWN BY: TBM
CHECKED BY: TBM
REVIEWED BY: TBM
DATE: JANUARY 2024
SCALE: AS NOTED

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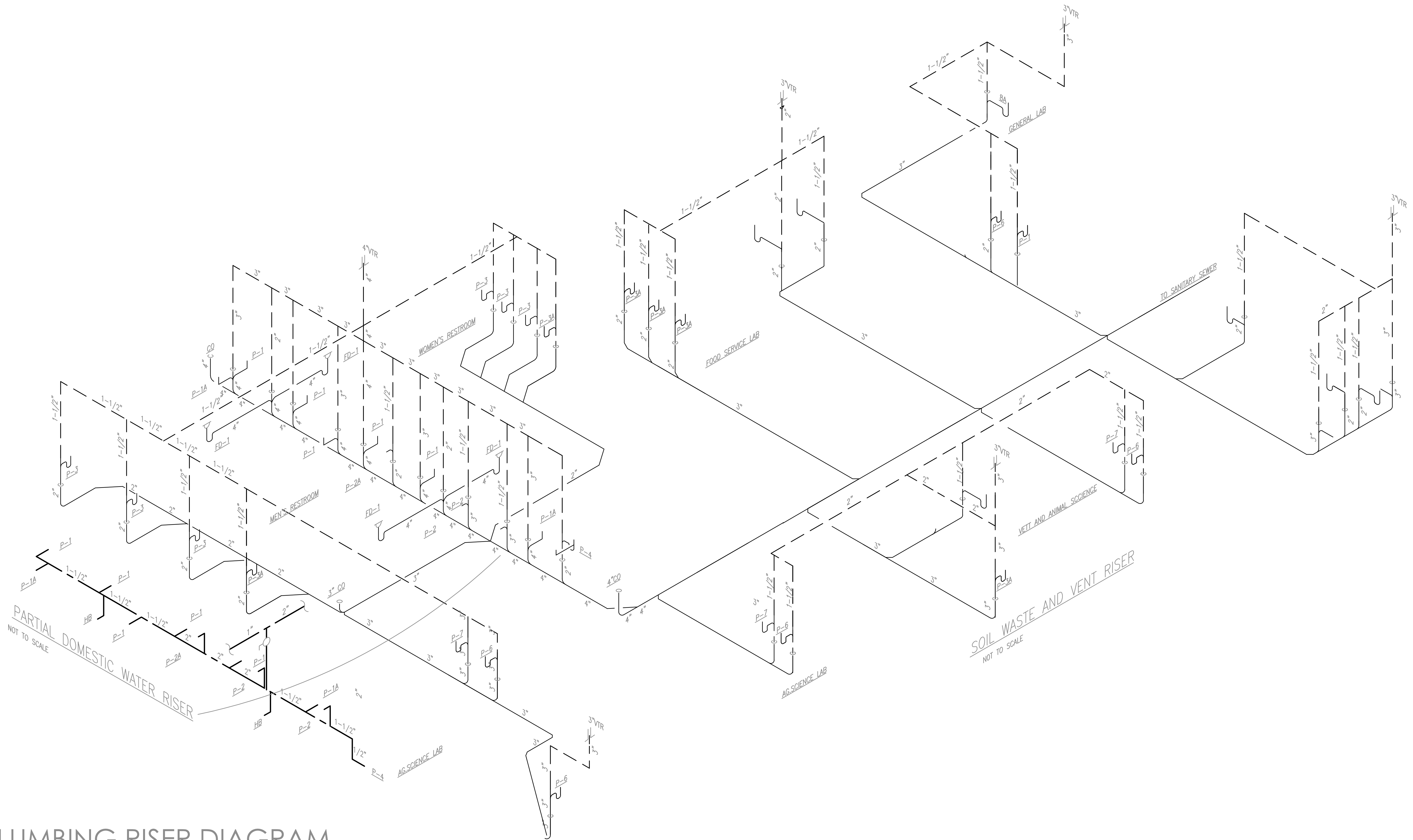
DRAWING NO. **P-1**
SHEET OF

PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

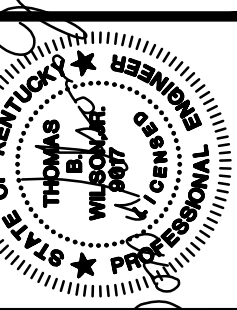
R1 - 8-6-2024

PLUMBING RISER DIAGRAM

SCALE: NTS



R1 - 8-6-2024



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CONSULTING ENGINEERS
PLUMBERS - MECHANICAL
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Lake Cumberland Regional AgriTech Center
Russell Springs, Kentucky

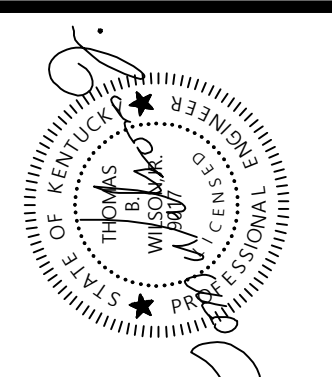
DATE	REVISION	BY
	GENERAL REVISIONS	

PROJECT NO. 2018-34
DESIGNED BY: TPA
DRAWN BY: TPA
CHECKED BY:
REVIEWED BY:
DATE: JANUARY 2024
SCALE: AS NOTED

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DRAWING NO.
P-2
SHEET OF



MECHANICAL SITE
SITE LIGHTING
UTILITY PLAN

The Seed Academy
Lake Cumberland Regional AgriTech Center
Russell Springs, Kentucky

**SITE SYMBOLS AND
ABBREVIATIONS**

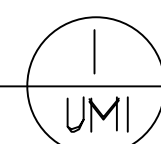
NOTE:
SOME SYMBOLS SHOWN IN THIS LEGEND MAY NOT
NECESSARILY BE USED FOR THIS PROJECT.

- SS ——— EXISTING SOIL AND WASTE PIPING
- SAN ——— NEW SOIL AND WASTE PIPING
- — — — SUMP PUMP DISCHARGE
- — — — DOMESTIC COLD WATER PIPING (CW)
- — — — WATER PIPING
- — — — FIRE PROTECTION PIPING
- — — — NATURAL GAS PIPING
- CNDWR ——— CONDENSER WATER RETURN
- CNDWS ——— CONDENSER WATER SUPPLY
- ECO ——— EXTERIOR CLEAN OUT
- — — — CONNECT TO EXISTING
- — — — POWER TO POLE LIGHTS
- TB ——— THRUST BLOCK
- 1024 ——— EXISTING CONTOUR LINE WITH ELEVATION
- 1024 ——— NEW CONTOUR LINE WITH ELEVATION
- — — — STORM WATER HEADWALL



MECHANICAL SITE UTILITY PLAN

SCALE: 1"=20'-0"



PROJECT NO. 2018-54	DATE	REVISION	BY
DESIGNED BY TEA			
DRAWN BY TEA			
CHECKED BY			
REVIEWED BY			
DATE JULY 2024			
SCALE AS NOTED			

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