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HILL COTTAGE RENOVATION PHASE II

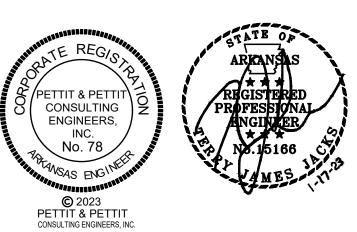
ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

DEMO PLAN HVAC

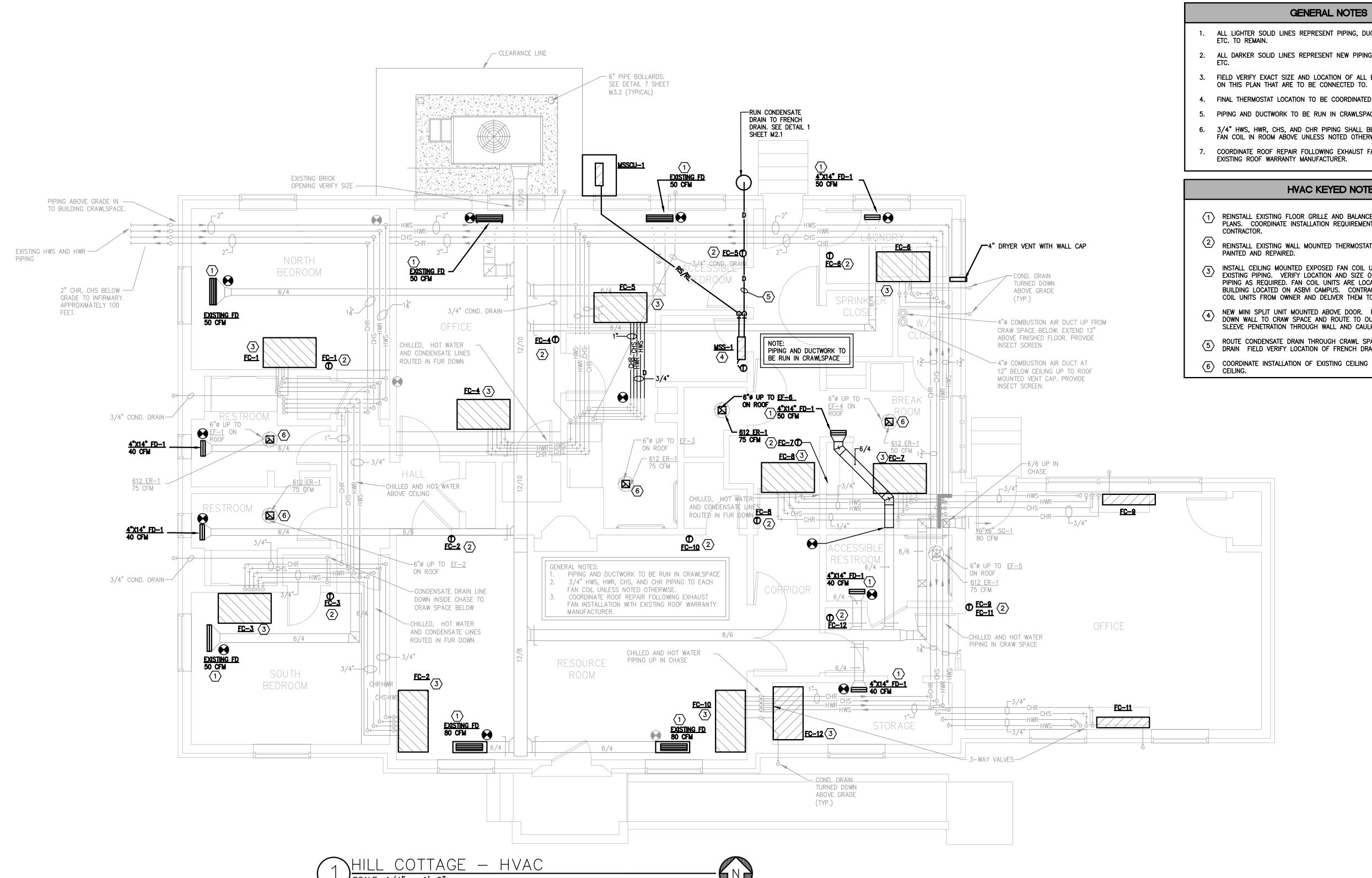
PROJECT # 5102201

JANUARY 17, 2023

As-Builts
2/26/2024
CSUSA
No Change



DM0.1



GENERAL NOTES

- 1. ALL LIGHTER SOLID LINES REPRESENT PIPING, DUCTWORK, EQUIPMENT,
- 2. ALL DARKER SOLID LINES REPRESENT NEW PIPING, DUCTWORK, EQUIPMENT,
- 3. FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING ITEMS SHOWN
- 4. FINAL THERMOSTAT LOCATION TO BE COORDINATED WITH OWNER.
- 5. PIPING AND DUCTWORK TO BE RUN IN CRAWLSPACE.
- 6. 3/4" HWS, HWR, CHS, AND CHR PIPING SHALL BE EXTENDED TO EACH FAN COIL IN ROOM ABOVE UNLESS NOTED OTHERWISE.
- 7. COORDINATE ROOF REPAIR FOLLOWING EXHAUST FAN INSTALLATION WITH EXISTING ROOF WARRANTY MANUFACTURER.

HVAC KEYED NOTES

- REINSTALL EXISTING FLOOR GRILLE AND BALANCE TO CFM AS LISTED ON PLANS. COORDINATE INSTALLATION REQUIREMENTS WITH FLOORING
- REINSTALL EXISTING WALL MOUNTED THERMOSTATS AFTER ALL WALLS ARE
- INSTALL CEILING MOUNTED EXPUSED FAN COIL UNITS AND CONTRES.

 EXISTING PIPING. VERIFY LOCATION AND SIZE OF EXISTING PIPING. EXTEND

 EXISTING PIPING. VERIFY LOCATED IN OWNERS STORAGE INSTALL CEILING MOUNTED EXPOSED FAN COIL UNITS AND CONNECT TO PIPING AS REQUIRED. FAN COIL UNITS ARE LOCATED IN OWNERS STORAGE BUILDING LOCATED ON ASBVI CAMPUS. CONTRACTOR SHALL RECEIVE FAN COIL UNITS FROM OWNER AND DELIVER THEM TO THE JOB SITE.
- NEW MINI SPLIT UNIT MOUNTED ABOVE DOOR. ROUTE REFRIGERANT LINES DOWN WALL TO CRAW SPACE AND ROUTE TO OUTDOOR CONDENSING UNIT. SLEEVE PENETRATION THROUGH WALL AND CAULK ALL VOIDS.
- ROUTE CONDENSATE DRAIN THROUGH CRAWL SPACE FULL SIZE TO FRENCH DRAIN FIELD VERIFY LOCATION OF FRENCH DRAIN WITH EXISTING CONDITIONS.
- 6 COORDINATE INSTALLATION OF EXISTING CEILING EXHAUST GRILLES WITH NEW CEILING.

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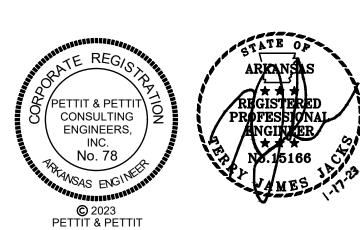
HILL COTTAGE RENOVATION PHASE II

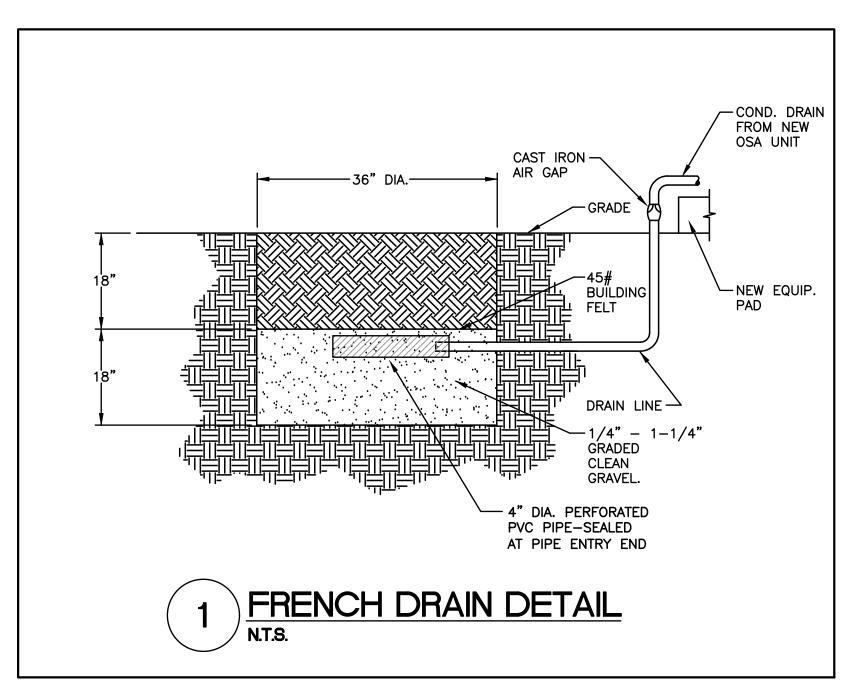
ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

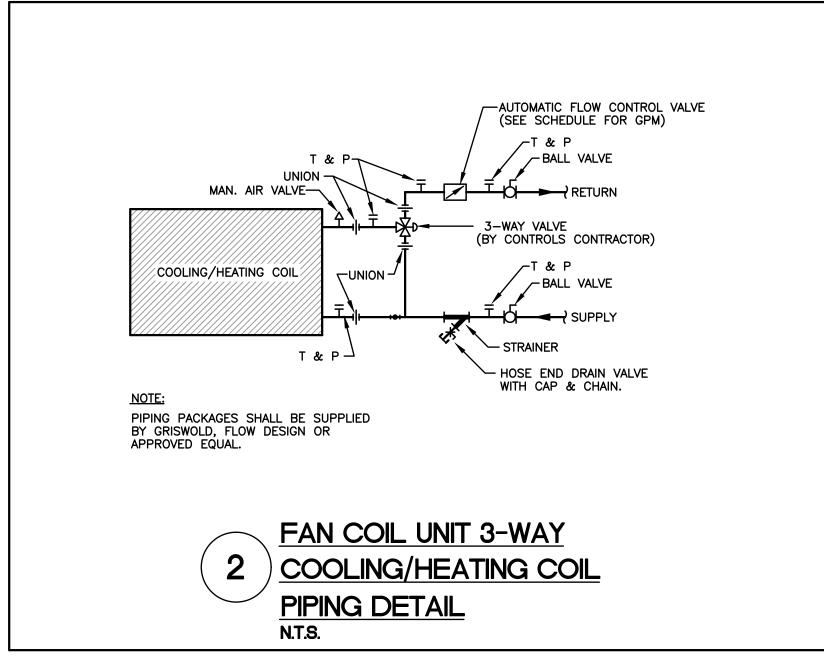
> HILL COTTAGE HVAC

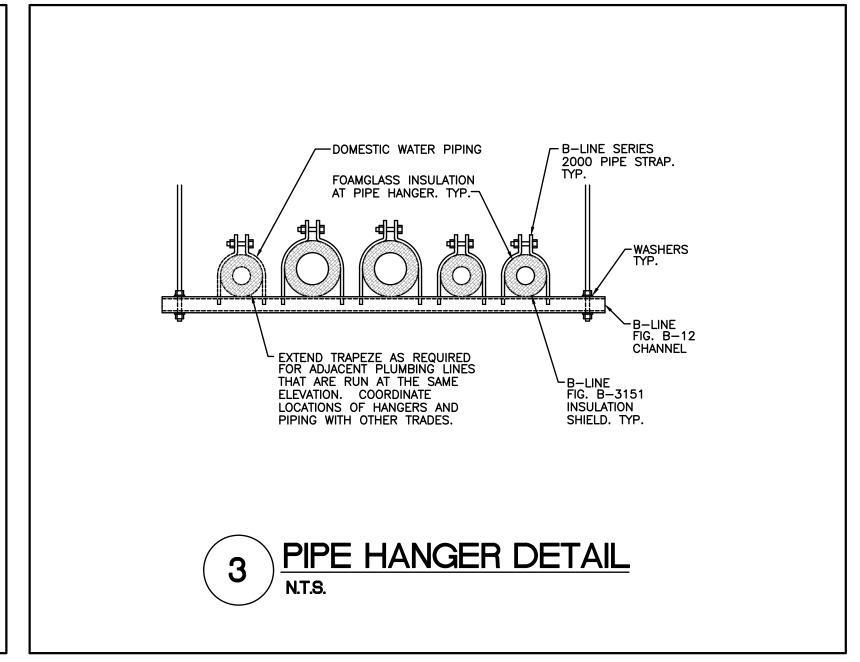
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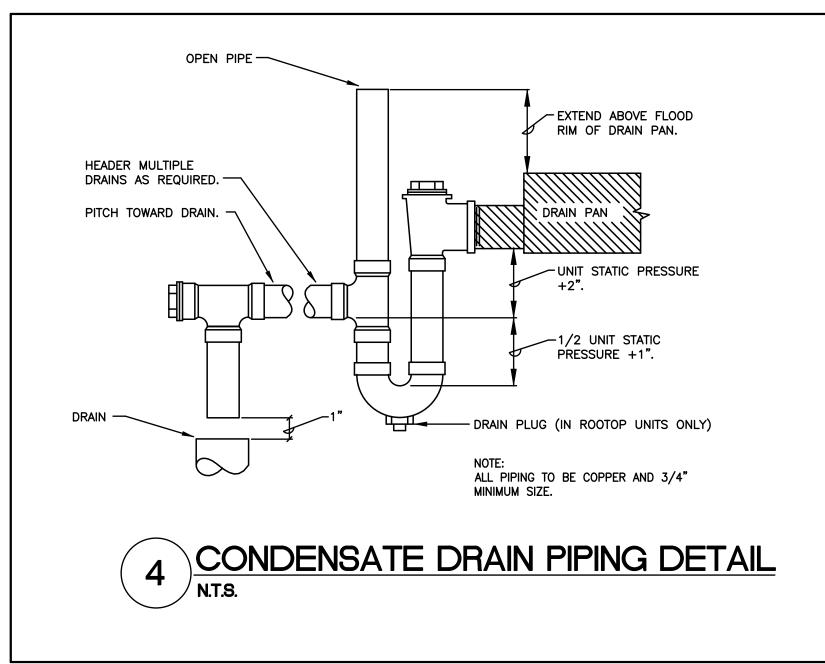
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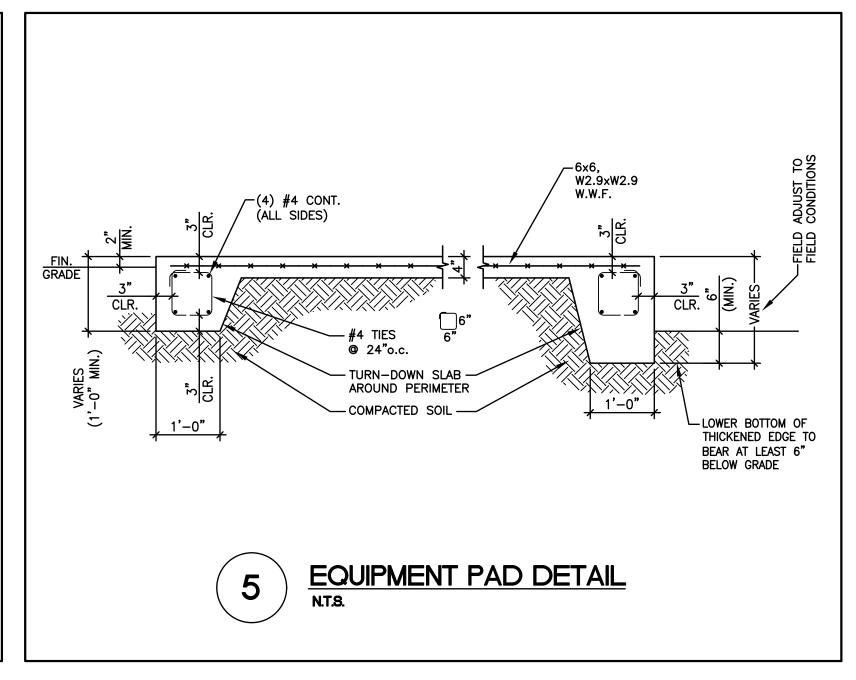










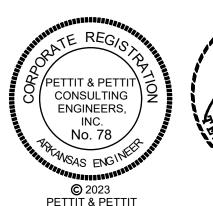


<u>PIPING LEGEND</u>								
— CHS —	CHILLED WATER SUPPLY							
— CHR —	CHILLED WATER RETURN							
— cws —	CONDENSER WATER SUPPLY							
— CWR —	CONDENSER WATER RETURN							
—— D ——	DRAIN							
— н w s —	HEATING WATER SUPPLY							
—— HWR ——	HEATING WATER RETURN							
— RS/RL—	REFRIGERANT SUCTION AND LIQUID LINES							

	ı	MINI-SP	PLIT IN	DOOR	A/C	UNIT	SCH	HEDUL	.E											
DE	ESIG.	MFR/MDL	TYPE	LOCATION	CFM	OSA	ESP	WEIGHT		DOLING INDOOR	OUTDOOR		HEATING INDOOR	OUTDOOR	REFRIGERAI GAS	NT PIPE SIZE		LECTRICA MOCP	AL DATA VOLT/PHASE	REMARKS
N	1SS-1	LG / LSU090HSV5	WALL MOUNTED	IT ROOM	459 / 338 / 317 / 194		0.00"	18.3 LBS.	9,000 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	10,900 RTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	3/8"	1/4"	-	-	208v / 1Ø	(SEE SPECIFICATIONS)

	MINI-SPLIT CONDENSING UNIT SCHEDULE																		
DESIG.	DESIG. MFR/MDL TYPE SERVES W			WEIGHT	CAPACITY	HEATING CAPACITY INDOOR OUTDOOR 1			FAN DATA TYPE / QUANTITY CFM KW			COMPRESSOR DATA TYPE MOTOR KW HEATER KW			ELECTRICAL DATA MCA MOCP VOLT/PHASE			REMARKS	
					CAFACITI	INDOOR OUTDOOR	CAFACITI	INDOOR	ротроси	TIFE / GOANTITI	CIVI	NW	11175	MOTORKW	TEATER NW	MCA	MOCE	VOL1/PHASE	
MSSCU-1	LG / LSU090HSV5	AIR COOLED	MSS-1	74.1 LBS.	9,000 BTU/H	80° d.b. 95° d.b. 67° w.b. 75° w.b.	10,900 RTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	1 / AXIAL	1,165	-	DC INV-TWIN ROTARY			10	15	208 V/ 1Ø	(SEE SPECIFICATIONS)

	EXHAUST FAN SCHEDULE															
DESIG.	MFR/MDL	SERVES	LOCAT.	TYPE	CFM	S.P.	RPM	FAN DAT	A TYPE	DIA.	SONES	RPM	MOTO BHP	R DATA HP	VOLT/PH	REMARKS
EF-6	COOK / ACED 70C10DL	GIRL'S COTTAGE KITCHEN	ROOF	ROOF DN. BLAST	60	.15	1,160	DIRECT	CENT.		3.0	1,750	71 W	0.04	120/1ø	PROVIDE ROOF CURB, SPEED CONTROL, MOTORIZED BACKDRAFT DAMPER, & DISCONNECT. FAN TO BE CONTROLLED BY BMS.





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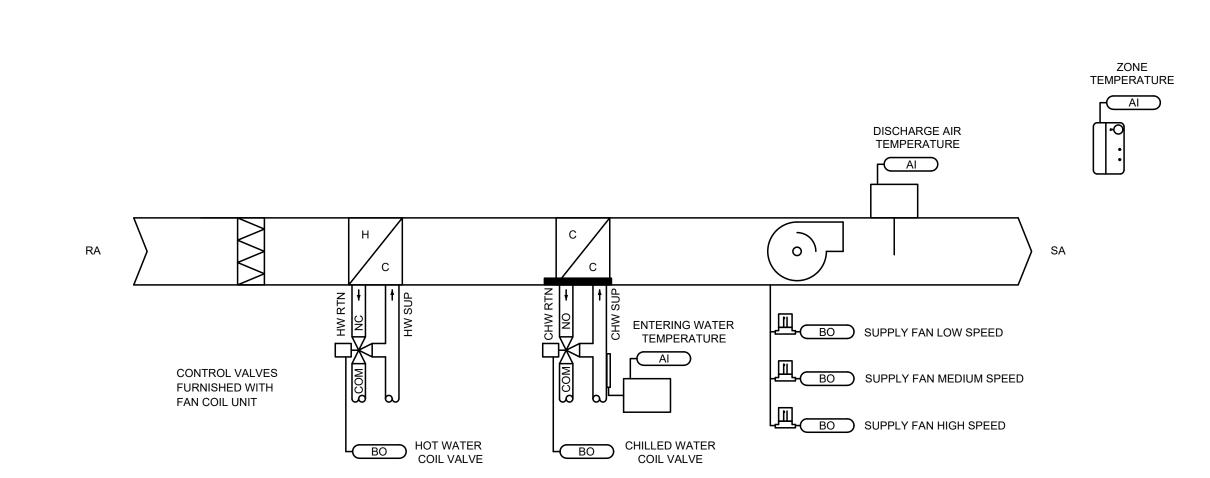
LITTLE ROCK, ARKANSAS

DETAILS HVAC

PROJECT # 5102201

JANUARY 17, 2023

FANCOIL UNIT SCHEDULE CHILLED WATER COIL (3 ROW) HEATING WATER COIL (1 ROW) MOTOR DESIG. MFR/MDL TYPE REMARKS LOCAT. | CFM ESP | EWT | LWT | GPM | PD | TH(MBH) | SH(MBH) | PIPE SIZE | EAT | LAT | EWT l LAT | LWT | GPM | EAT PD MBH | PIPE SIZE | H.P.(S) | VOLT/PHASE REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED GIRL'S PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-1 541 1.12' 70° 180° 171.61° 2.0 8.40 0.220 85.29° COTTAGE FCDB06Ó 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED 56.76° db TRANE / FCDB080 FC-2 3/4" PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 659 2.0 1.35' 10.21 0.220 45° F 55.8° F 2.5 2.88' 13.24 70° 85.75° 180° 169.81 115V/1ø COTTAGE 55.56° wb ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY CABINET REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED 3/4" 1.12' 3/4" PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-3 541 45° F 2.5 2.87 11.37 10.06 2.0 8.40 0.220 54.3° F 70° 85.29° 180° 171.61° 115V/1ø COTTAGE FCDB06Ó 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY CEILING MOUNTED REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT 75° db 63° wb GIRL'S 56.62° db PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-4 541 45° F 54.3° F 2.5 2.87 11.37 70° 85.29° 180° 171.61° 2.0 1.12' 8.40 0.220 COTTAGE FCDB06Ó 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT | 56.62° db | TRANE / FCDB060 MOUNTED FC-5 3/4" 3/4" PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 541 45° F 2.5 2.87 11.37 10.06 2.0 1.12' 8.40 0.220 54.3° F 70° 85.29° 180° 171.61° 115V/1ø COTTAGE 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED 56.62° db FC-6 541 45° F 2.5 2.87 11.37 3/4" 2.0 1.12' 8.40 3/4" 0.220 PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 54.3° F 70° 85.29° 180° 171.61° 115V/1ø COTTAGE FCDB06Ó 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED GIRL'S 56.62° db 3/4" PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-7 541 45° F 11.37 10.06 1.12' 8.40 0.220 54.3° F 2.5 2.87' 70° 85.29° 180° 171.61° 2.0 115V/1ø COTTAGE FCDB06Ó 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED 75° db 63° wb | 56.62° db | TRANE / FCDB060 PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-8 541 45° F 11.37 2.0 1.12' 0.220 54.3° F 2.5 2.87' 70° 85.29° 180° 171.61° 8.40 115V/1ø COTTAGE 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT FLOOR MOUNTED 75° db | 57.01° db | 63° wb | 56.08° wb PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 3/4" 3/4" FC-9 374 2.5 2.87 7.52 7.06 70° 96.61° 180° 139.5 2.0 1.18' 10.5 0.120 115V/1ø COTTAGE FCBB06 CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED GIRL'S 56.76° db PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S FC-10 659 45° F 1.35' 10.21 0.220 55.8° F 2.5 2.88' 13.24 11.77 70° 85.75° 180° 169.81 2.0 115V/1ø COTTAGE FCDB08Ó 55.56° wb ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY CABINET REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT FLOOR MOUNTED TRANE / FCBB06 57.01° db FC-11 374 2.5 7.52 7.06 2.0 1.18' 10.5 0.120 PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 2.87' 70° 96.61° 180° 139.5 115V/1ø COTTAGE 63° wb 56.08° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY REFER TO SPECIFICATIONS. COILS RATED FOR 30% ETHYLENE GLYCOL MIXTURE. FAN COIL UNIT CEILING MOUNTED 75° db 63° wb 56.62° db TRANE / FCDB060 FC-12 541 45° F 2.5 11.37 10.06 3/4" 2.0 1.12' 3/4" 0.220 PROVIDED TO OWNER IN PREVIOUS PHASE. CONTRACTOR SHALL RECEIVE UNITS FROM OWNER'S 2.87 8.40 54.3° F 70° 85.29* 180° 171.61° 115V/1ø COTTAGE 55.46° wb CABINET ON-CAMPUS STORAGE AND INSTALL AS SHOWN. RATINGS FROM REFERENCE ONLY



FAN COIL UNIT

FAN COIL UNIT CONTROL

BUILDING AUTOMATION SYSTEM INTERFACE:

THE BAS WILL SEND OCCUPIED, UNOCCUPIED, OPTIMAL START AND TIMED OVERRIDE COMMANDS

WHEN THE SPACE TEMPERATURE IS BELOW THE UNOCCUPIED HEATING SETPOINT (60°F ADJ) THE SUPPLY FAN WILL START AND THE HOT WATER VALVE WILL OPEN. WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED HEATING SETPOINT (60°F ADJ) PLUS THE UNOCCUPIED DIFFERENTIAL (2°F ADJ) THE SUPPLY FAN WILL STOP AND THE HOT WATER VALVE WILL CLOSE.

WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SETPOINT (85°F ADJ) THE SUPPLY FAN WILL START AND THE CHILLED WATER VALVE WILL OPEN. WHEN THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SETPOINT (85°F ADJ) MINUS THE UNOCCUPIED DIFFERENTIAL (2°F ADJ) THE SUPPLY FAN WILL STOP AND THE CHILLED WATER VALVE WILL CLOSE.

DURING OCCUPIED PERIODS THE SUPPLY FAN WILL CYCLE ON A CALL FOR HEATING OR COOLING. ALL VALVES WILL OPEN TO MAINTAIN THE ACTIVE SPACE TEMPERATURE SETPOINT

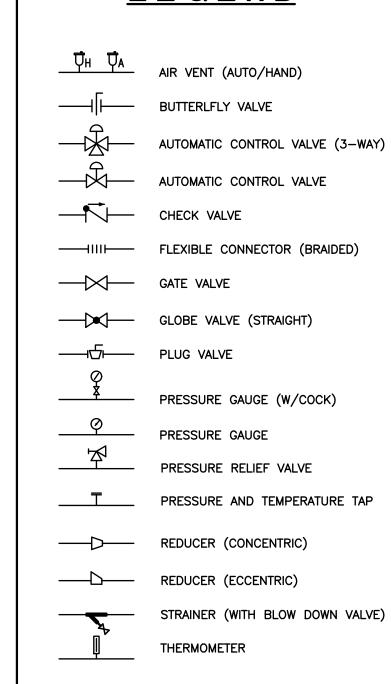
SPACE TEMPERATURE CONTROL:

THE SPACE TEMPERATURE SHALL BE MAINTAINED BETWEEN THE OCCUPIED COOLING SETPOINT (75°F ADJ) AND THE OCCUPIED HEATING SETPOINT (70°F ADJ). THE UNIT WILL TRANSITION TO THE COOLING MODE WHEN THE SPACE TEMPERATURE RISES ONE DEGREE ABOVE THE OCCUPIED COOLING SETPOINT (75°F ADJ). THE UNIT WILL TRANSITION TO THE HEATING MODE WHEN THE SPACE TEMPERATURE DROPS ONE DEGREE BELOW THE OCCUPIED HEATING SETPOINT (70°F ADJ).

SUPPLY FAN OPERATION:

THE FAN WILL BE OFF IN THE UNOCCUPIED MODE. WHEN THE CONTROLLER IS IN THE OCCUPIED MODE, THE SUPPLY FAN WILL AUTOMATICALLY SWITCH SPEEDS DEPENDING ON THE DIFFERENCE BETWEEN THE ZONE TEMPERATURE AND THE ACTIVE ZONE SETPOINT. THE FAN SPEED SHALL INCREASE AS THE DIFFERENCE INCREASES AND DECREASE AS THE DIFFERENCE DECREASES. IF THE SUPPLY FAN FAILS THE FAN WILL BE COMMANDED OFF AND AN ALARM WILL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN.

LEGEND



TO FLOOR DRAIN

UNION (FLANGED, SCREWED)



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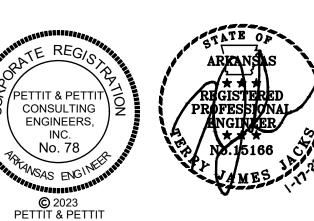
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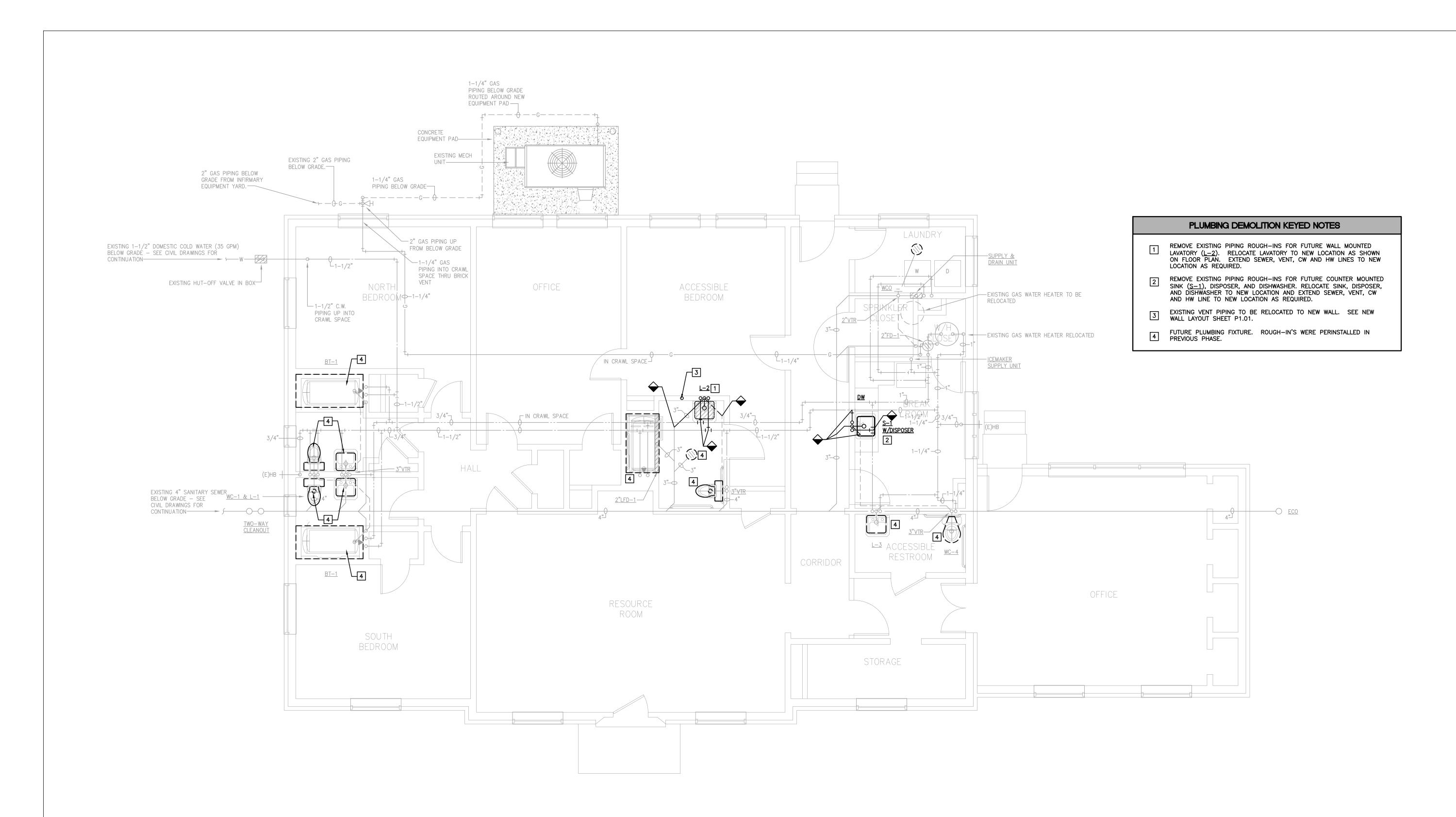
ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

> SCHEDULES **HVAC**

| PROJECT # 5102201

JANUARY 17, 2023





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> HILL COTTAGE RENOVATION PHASE II

ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

DEMO FLOOR PLAN -**PLUMBING**

PROJECT # 5102201

JANUARY 17, 2023

As-Built 2/26/2024 CSUSA

No Change



PETTIT & PETTIT CONSULTING ENGINEERS, INC.

1. FOR DEMOLITION, REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND PLUMBING GENERAL NOTES.

2. ALL SANITARY SEWER AND VENT PIPING SHALL BE 2" SIZE UNLESS NOTED OTHERWISE.

3. ALL HOT AND COLD WATER PIPING SHALL BE 1/2" SIZE UNLESS NOTED OTHERWISE.

PLUMBING FIXTURE SCHEDULE

- 1. WATER CLOSET WC-1: EXISTING TO BE REUSED; SUPPLIES: MCGUIRE 2166CC WHEEL HANDLE STOP; SEAT: CENTOCO 440STSS, FINISH WHITE.
- 2. WATER CLOSET WC-2: EXISTING TO BE REUSED; SUPPLIES: MCGUIRE 2166CC WHEEL HANDLE STOP; SEAT: CENTOCO 800STSS, FINISH WHITE.
- 3. <u>WATER CLOSET WC-3(ADA)</u>: AMERICAN STANDARD 215AA.004 "CADET PRO" VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, 16-1/2" HIGH; <u>SUPPLIES</u>; MCGUIRE 2166CC WHEEL HANDLE STOP; <u>SEAT</u>; CENTOCO 800STSS, FINISH WHITE.
- 4. WATER CLOSET WC-4(ADA): AMERICAN STANDARD 3043.001 "MADERA", VITREOUS CHINA, ELONGATED BOWL, FLOOR MOUNTED, 16-1/2" HIGH;

 TRIM: SLOAN 111 ES-S-TMO-YB-YC "OPTIMA" EXPOSED SENSOR OPERATED FLUSH VALVE, TRUE MECHANICAL OVERRIDE PUSHBUTTON, 1.6 GALLON FLUSH CYCLE, EL-154 TRANSFORMER, EL-226 EXTENSION NIPPLE; SEAT: CENTOCO 1500 CCSS, FINISH WHITE.
- 5. <u>LAVATORY L-1</u>: EXISTING TO BE REUSED;

 <u>TRIM</u>: T&S BRASS B-2710-VF05, 4" CENTERSET FAUCET, 0.5 GPM VANDAL-RESISTANT SPRAY DEVICE, CERAMIC DISC, SINGLE LEVER HANDLE, POP-UP DRAIN.
- 6. LAVATORY L-2(ADA): AMERICAN STANDARD 0355.012 "LUCERNE", VITREOUS CHINA, RECTANGULAR BASIN, 20"X18" SIZE, FRONT OVERFLOW, WALL MOUNTED;

 TRIM: T&S BRASS B-2710-VF05, 4" CENTERSET FAUCET, 0.5 GPM VANDAL-RESISTANT SPRAY DEVICE, CERAMIC DISC, SINGLE LEVER HANDLE, POP-UP DRAIN;
 INSULATION KIT: TRUEBRO 103 E-Z "LAVGUARD";
 SUPPORT: ZURN Z-1231.
- 7. LAVATORY L-3(ADA): AMERICAN STANDARD 0356.421 "LUCERNE", VITREOUS CHINA, RECTANGULAR BASIN, 20"X18" SIZE, FRONT OVERFLOW, WALL MOUNTED;

 TRIM: SLOAN ETF-610-LT-BDT SENSOR OPERATED FAUCET, 0.5 GPM VANDAL-RESISTANT AERATOR, BELOW DECK THERMOSTATIC MIXING VALVE, EL-154 TRANSFORMER, MCGUIRE 155-WC DRAIN;
 INSULATION KIT: TRUEBRO 103 E-Z "LAVGUARD";
 SUPPORT: ZURN Z-1231.
- 8. <u>SINK S-1</u>: EXISTING TO BE REUSED.
- 9. <u>BATHTUB BT-1</u>: HAMILTON G6034 TS , RIGHT OR LEFT, 60" X 34" X 82" SIZE ACRYLIC BATH AND SHOWER MODULE, INTEGRAL SOAP LEDGE; <u>TRIM</u>: SYMMONS S-9606-PLR-2.0-231-B-X "ORIGINS" PRESSURE BALANCING MIXING VALVE, ALL BRASS CONSTRUCTION, COMBINATION LEVER DIVERTER WITH VOLUME CONTROL, ADJUSTABLE STOP SCREW, INTERGRAL SERVICE STOPS, DIVERTER VALVE, "SUPER" C.P. BRASS SHOWERHEAD WITH ARM AND FLANCE, WALL CONNECTION AND FLANGE, IN-LINE VACUUM BREAKER, 36" SLIDE BAR, TUB SPOUT, KOHLER K-7161-AF POP-UP DRAIN, HEAVY DUTY SHOWER ROD AND CIRTAIN, BRASS ESCUTCHEON (CHROME).
- SHOWER BT-2(ADA): FREEDOM SHOWERS APTG3260TSADA3P, RIGHT OR LEFT, 60" X 32.5" X 80.25" SIZE

 10. ACRYLIC BATH AND SHOWER MODULE, INTEGRAL SOAP LEDGE, GRAB BARS, FACTORY INSTALLED FOLD—DOWN SEAT; IRIM: SYMMONS S-9606—PLR-2.0—231—B—X "ORIGINS" PRESSURE BALANCING MIXING VALVE, ALL BRASS CONSTRUCTION, COMBINATION LEVER DIVERTER WITH VOLUME CONTROL, ADJUSTABLE STOP SCREW, INTERGRAL SERVICE STOPS, DIVERTER VALVE, "SUPER" C.P. BRASS SHOWERHEAD WITH ARM AND FLANCE, WALL CONNECTION AND FLANGE, IN—LINE VACUUM BREAKER, 36" SLIDE BAR, TUB SPOUT, KOHLER K—7161—AF POP—UP DRAIN, HEAVY DUTY SHOWER ROD AND CIRTAIN, BRASS ESCUTCHEON (CHROME).
- SUPPLY AND DRAIN UNIT: GUY GRAY MODEL FB-200, 11-5/8"X9-1/2"X3-1/2" SIZE, 1/2" BRASS CONNECTORS, STEEL CONSTRUCTION, 2" DRAIN PIPE.
- ICEMAKER SUPPLY UNIT: GUY GRAY MODEL 88158, 9-1/2"X11-5/8" SIZE, 1/2"X1/4" COMPRESSION ANGLE VALVE, STEEL CONSTRUCTION.
- DISPOSER: EXISTING TO BE REUSED.

CARRIER REQUIRED WHEN MOUNTED ON CONCRETE BLOCK WALLS.

- DISHWASHER: EXISTING TO BE REUSED.

 ELECTRICAL WATER COOLER EWC-1 (ADA) OSIS MODEL PG8SBFSL, WITH BOTTLE FILLING STATION WITH INTEGRAL SWRIFLO FOUNTAIN, BI-LEVEL, REFRIGERATED FILTERED STAINLESS. CHILLING CAPACITY OF 8.0 GPH OF 50 DEGREE DRINKING WATER, BASED ON 80 DEGREE INLET WATER AND 90 DEGREE AMBIENT. HANDS FREE VISUAL FILTER MONITOR, FILTERED, ANTIMICROBIAL, REAL DRAIN. FURNISHED WITH FLEXI GUARD SAFETY BUBBLER. ELECTRONIC BOTTLE FILLER SENSOR WITH MECHANICAL FRONT BUBBLER BUTTON ACTIVATION. WALL MOUNTED WITH INWALL FRAME AND PLATE, STAINLESS STEEL ACCESS
- SUPPLIES MCGUIRE H-ST12LK HEAVY CAST BRASS STRAIGHT STOP WITH LOOSE KEY HANDLE, ½ INCH SIZE; TRAP MCGUIRE 8088 (1-1/4 INCH) POLISHED CHROME PLATED CAST BRASS ADJUSTABLE GROUND SWIVEL PATTERN WITH CLEANOUT; SUPPORT ZURN Z-1225-BL "RIGID PLATE SYSTEM" HAVING STEEL UPRIGHTS WITH SUPPORT PLATES, AND BEARING JACKS ON ADJUSTABLE HEADERS AS REQUIRED FOR BI-LEVEL MOUNTING. VERIFY EXACT
- 6. <u>SERVICE SINK SS-1</u> WILLIAMS MODEL SB-900, TERRAZZO, 24°X24°X12"SIZE, ONE PIECE STAINLESS STEEL CAP, T- 40 MOP HANGER, T-35 HOSE AND WALL BRACKET, 'BP" STAINLESS STEEL SPLASH BACK PANELS, T & S B-0665-BSTP FAUCET, POLISHED CHROME FINISH INTEGRAL STOPS, TOP BRACE. LEVER HANDLES, VACUUM BREAKER, 8" CFNTERS.

NOTES

- 1. SUPPLIES: FURNISH AND INSTALL ALL FIXTURE SUPPLIES COMPLETE TO INCLUDE LOOSE KEY HANDLE, CHROME PLATED ANNEALED VERTICAL TUBE, CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON AND C.P. BRASS
- NIPPLE TO WALL; MCGUIRE H2165LK, UNLESS NOTED OTHERWISE.

 2. P-TRAPS: FURNISH AND INSTALL ALL FIXTURE P-TRAPS COMPLETE TO INCLUDE CLEANOUT, 17-GAUGE CHROME PLATED TUBING TO WALL, AND CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON; MCGUIRE 8872 (1-1/4") / MCGUIRE 8912 (1-1/2"), UNLESS NOTED OTHERWISE.

APPROVED MANUFACTURERS:

- 1. FIXTURES—VITREOUS CHINA: AMERICAN STANDARD, KOHLER, TOTO
- 2. FLUSH VALVES: SLOAN, ZURN
 3. SEATS: CENTOCO, OLSONITE, BEMIS, BENEKE, CHURCH
- 4. SUPPORTS: ZURN, WADE, J.R.SMITH
- FAUCETS(SENSOR): SLOAN, T&S BRASS, ZURN
 FAUCETS(NON-SENSOR): T&S BRASS, CHICAGO FAUCET, DELTA TECK
- 7. SUPPLIES AND TRAPS: MCGUIRE, ZURN, KOHLER 8. INSULATION KITS: TRUEBRO, MCGUIRE, ZURN
- 9. SHOWERS/BATHTUBS: SYMMONS, LEONARD, POWERS
- 10. SUPPLY AND DRAIN UNITS: GUY GRAY, ACORN
 11. ICEMAKER SUPPLY UNITS: GUY GRAY, ACORN

	PLUMBING LEGEND									
SYMBOL	DESCRIPTION									
	SOIL, WASTE, OR SANITARY SEWER	—Ф—	BALL VALVE							
ss	SANITARY SEWER (ON SITE)	-+2+-	PLUG COCK - GAS COCK							
	SANITARY VENT		PRESSURE REDUCING VALVE							
GW	GREASE WASTE	-+>+	STRAINER							
cwv	COMBINATION WASTE AND VENT		UNION							
AW	ACID WASTE	FD	FLOOR DRAIN							
——AV——	ACID VENT	RD	ROOF DRAIN							
w	WATER (ON SITE)	AD	ACCESS DOOR							
	COLD WATER	VTR	VENT THRU ROOF							
	HOT WATER	НВ	HOSE BIBB							
	HOT WATER RETURN	FPWH	FREEZE PROOF WALL HYDRANT							
—— 160°——	160° HOT WATER	со	CLEANOUT PLUG							
NPW	NON-POTABLE WATER	FC0	FLOOR CLEANOUT							
SD	STORM DRAIN	AFCO	FLOOR CLEANOUT WITH ACID RESISTANT PIPING AND FITTINGS							
D	INDIRECT DRAIN	wco	WALL CLEANOUT							
OSD	OVERFLOW STORM DRAIN	ECO	EXTERIOR CLEANOUT							
SPD	SUMP PUMP DISCHARGE	R 1	DENOTES - SANITARY VENT STACK THRU ROOF							
G	NATURAL GAS (LOW PRESSURE GAS)	RISER DIAGRA LOCATION SHEE RISER DIAGRAM	T # RISER DESIGNATION							
— ы —	LAB AIR		NEW CONNECTION TO EXISTING							
LV	LAB VACUUM	* * * *	EXISTING PIPING TO BE REMOVED OR ABANDONED							
	FLOW DIRECTION		EXISTING PIPING TO REMAIN							
\longrightarrow	GATE VALVE	* *[CAP AND SEAL AIR OR WATER TIGHT							
	GLOBE VALVE	* * *	TERMINATION POINT OF DEMOLITION							
	CHECK VALVE									

	FIXTURE LEGEND										
SYMBOL	DESCRIPTION										
	NEW FIXTURE										
0	ROUGH IN AND FINAL CONNECT ONLY										
0	EXISTING FIXTURE TO REMAIN										
	EXISTING FIXTURE TO BE REMOVED										
	EXISTING FIXTURE (RELOCATED, OR REPAIRED — SEE NOTES)										

PLUMBING GENERAL NOTES

- 1. THE CONTRACTOR SHALL, PRIOR TO THE START OF ANY WORK UNDER THIS CONTRACT, JOB SITE VERIFY SIZE, LOCATION, ETC. OF ANY EXISTING PIPING NOTED, SHOWN OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.
- HOT AND COLD WATER SUPPLIES TO FIXTURES SHALL BE AS FOLLOWS, UNLESS SHOWN OR NOTED OTHER WISE.

WATER CLOSET(TANK) 1/2" LAVATORY 1/2" ICEMAKER 1/2" SHOWER/BATHTUB 1/2"	WATER CLOSET(FLUSH \	VF)1-	-1 /4"
ICEMAKER————————————————————————————————————			'2"
SHOWER/BATHTUB———————————————————————————————————	LAVATORY	1/	′2"
		• • • • • • • • • • • • • • • • • • • •	′2"
WASHER (RESIDENTIAL)1/2"	WASHER (RESIDENTIAL)		'2"
SINK ————————————————————————————————————	•		2 /2"

- PROVIDE <u>AIR CHAMBERS</u> ON ALL HOT AND COLD WATER SUPPLIES TO AND FOR EACH FIXTURE, THE SAME DIAMETER AS THE SUPPLY AND 18" LONG. SEE GENERAL NOTE NUMBER 2.
- 4. ALL SUPPLIES TO FIXTURE SHALL BE PROVIDED WITH HIGH EAR COUPLING EQUAL TO MUELLER CO. No. C-100HE (1/2", 3/4" OR 1" SIZE) AT THE WALL (ANCHOR TO CROSS MEMBER SUPPORT) BEFORE PIPE ENTERS ROOM SPACE TO ASSURE NO PIPE MOVEMENT WITHIN WALL CAVITY.
- 5. IN ALL AREAS SUBJECT TO FREEZING WHERE PLUMBING FIXTURES ARE LOCATED ON EXTERIOR WALL, WATER PIPING SHALL BE INSTALLED ON THE THERMAL SIDE OF THE BUILDING WALL INSULATION.
- CLOSE COORDINATION AND COOPERATION SHALL BE MAINTAINED BETWEEN TRADES WITH REGARD TO PLUMBING, HVAC, FIRE PROTECTION AND ELECTRICAL PLANS.
- CUT WALLS, FLOORS, OR CEILINGS AS REQUIRED TO INSTALL NEW PIPING. ALL FURRING AND REPAIRING SHALL BE BY THE GENERAL CONTRACTOR. COORDINATE REQUIREMENTS WITH THE GENERAL
- . REWORK EXISTING WATER, SANITARY AND VENT PIPING AS REQUIRED TO INSTALL NEW PLUMBING FIXTURES.
- . WHERE EXISTING FIXTURES AND EQUIPMENT ARE REMOVED AND NOT REPLACED, CAP ALL PIPING WITHIN WALLS, FLOORS, OR CEILINGS AS REQUIRED FOR CONCEALMENT.
- 10. REMOVE ALL EXPOSED PIPING (INCLUDING ATTIC), WHICH IS DEEMED INOPERABLE AS A RESULT OF THIS CONTRACT UNLESS SHOWN OR NOTED OTHERWISE.
- 11. EXISTING PIPE, TO WHICH NEW PIPE IS CONNECTED, SHALL BE RODDED, FLUSHED AND CLEANED FROM POINT OF CONNECTION TO MAIN OUTSIDE BUILDING.
- 12. ALL PLUMBING FIXTURES, VALVES, AND EQUIPMENT WHICH ARE REMOVED AND NOT RELOCATED, SHALL BECOME THE PROPERTY OF THE OWNER AND DELIVERED TO STORAGE ON SITE AS DIRECTED BY THE OWNER. ALL PIPING SHALL BECOME PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE JOB
- 13. EXISTING INFORMATION SHOWN WAS GATHERED FROM ORIGINAL CONTRACT DRAWINGS AND JOB SITE VISITS. EVERY ATTEMPT HAS BEEN MADE TO SHOW EXISTING SERVICES CORRECTLY; HOWEVER, CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND MAKE ALL NECESSARY ADJUSTMENTS IN THE FIELD AT NO EXTRA COST TO THE OWNER/ARCHITECT/ENGINEER.
- 14. ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TYPE TRAP WITH NOT LESS THAN FOUR INCH (4") WATER SEAL.
- 15. PROVIDE GAS COCK (FULL LINE SIZE), UNION, AND MINIMUM 6" LONG DIRT LEG AT FINAL CONNECTIONS TO GAS FIRED EQUIPMENT.

WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	Α	В	С	D	E	F
FIXTURE UNITS	1–11	12-32	33–60	61–113	114–154	155-330

CLASSIFICATIONS ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE "STANDARD P.D.I.—WH201".

APPROVED MANUFACTURERS: ZURN "SHOKTROL", WADE, J.R. SMITH

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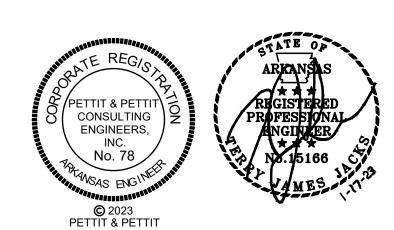
> HILL COTTAGE RENOVATION PHASE II

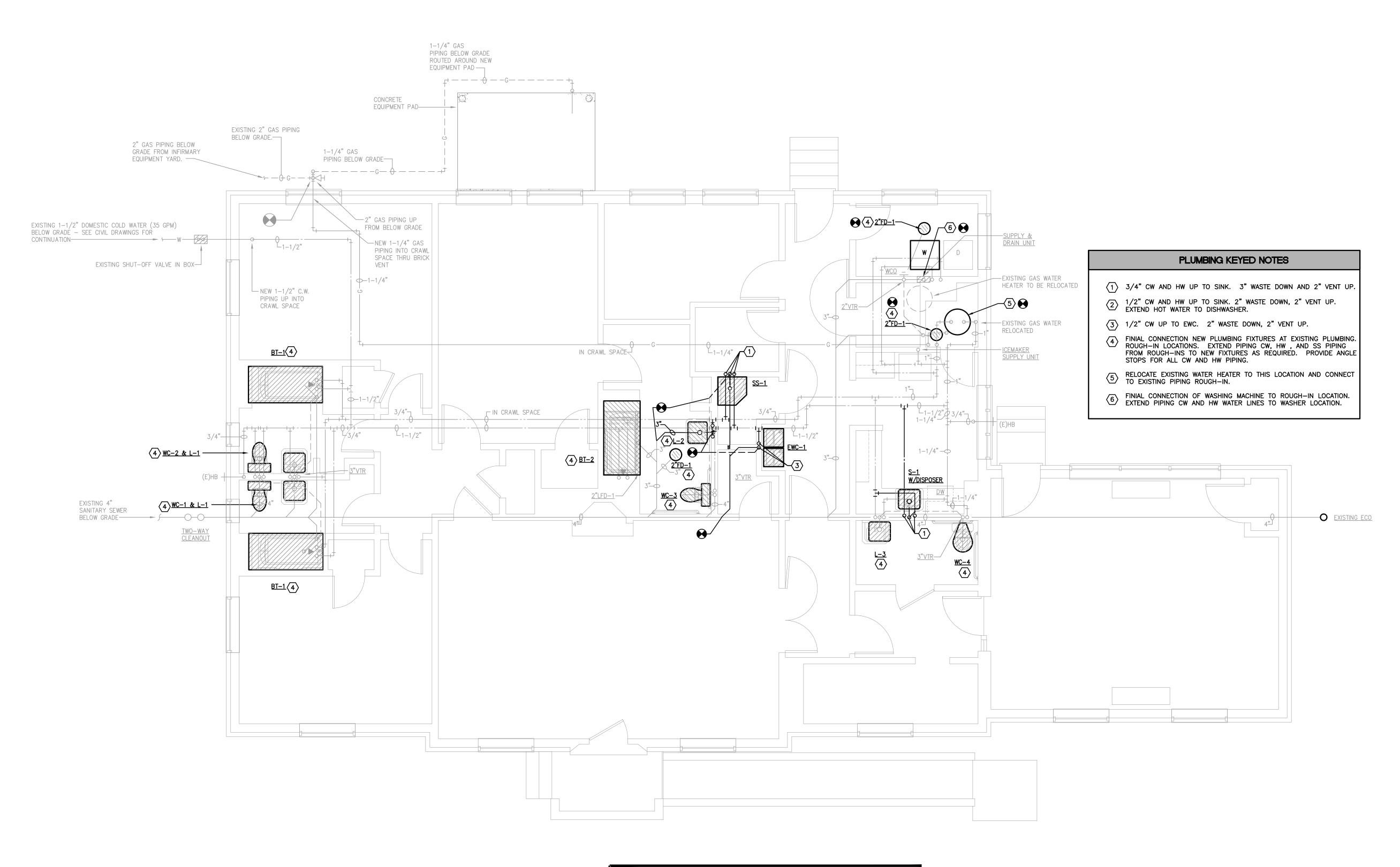
ARKANSAS
SCHOOL FOR THE BLIND
/ VISUALLY IMPAIRED
LITTLE ROCK, ARKANSAS

FLOOR PLAN -PLUMBING

PROJECT # 5102201

JANUARY 17, 2023





- 1. FOR DEMOLITION, REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND PLUMBING GENERAL NOTES.
- 2. ALL SANITARY SEWER AND VENT PIPING SHALL BE 2" SIZE UNLESS NOTED OTHERWISE.
- 3. ALL HOT AND COLD WATER PIPING SHALL BE 1/2" SIZE UNLESS NOTED OTHERWISE.





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HILL COTTAGE RENOVATION PHASE II

ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

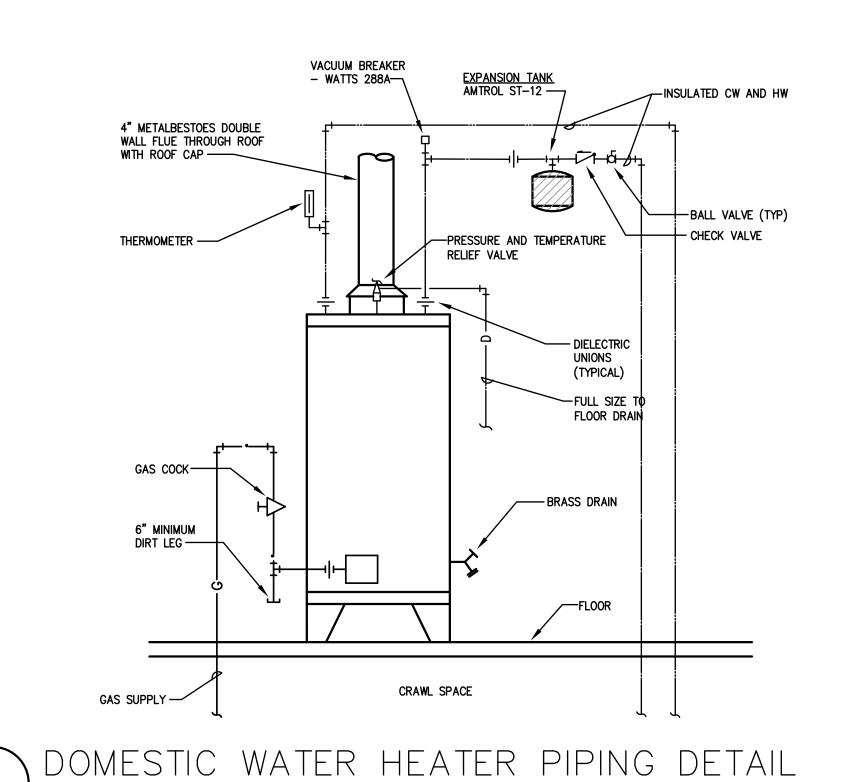
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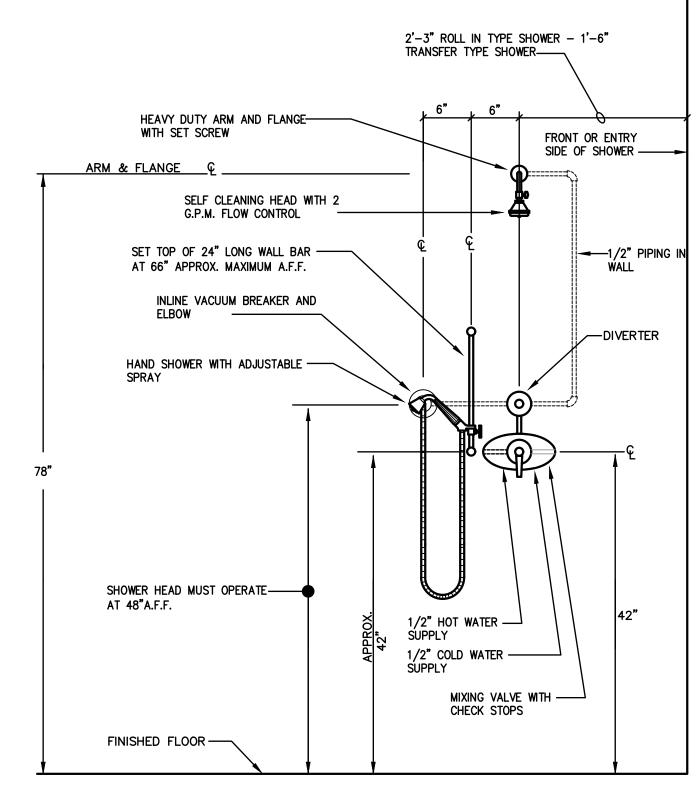
PROJECT # 5102201

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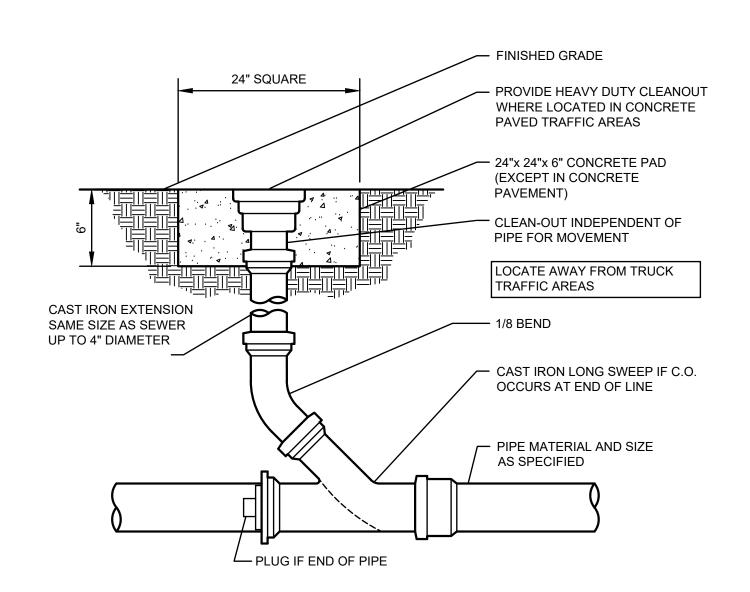
As-Builts 2/26/2024 CSUSA No Change

P1.1

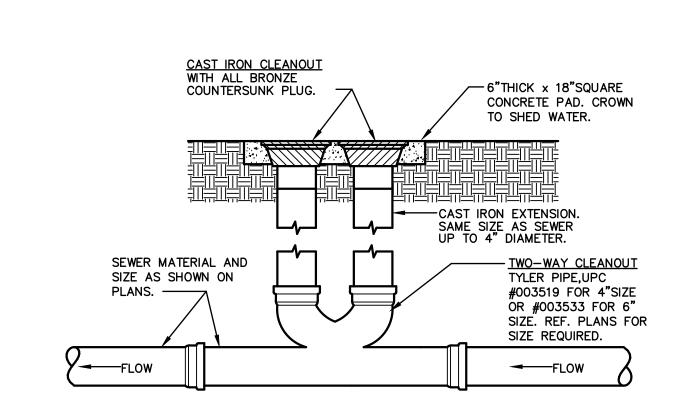




A.D.A. SHOWER DETAIL SCALE: NONE

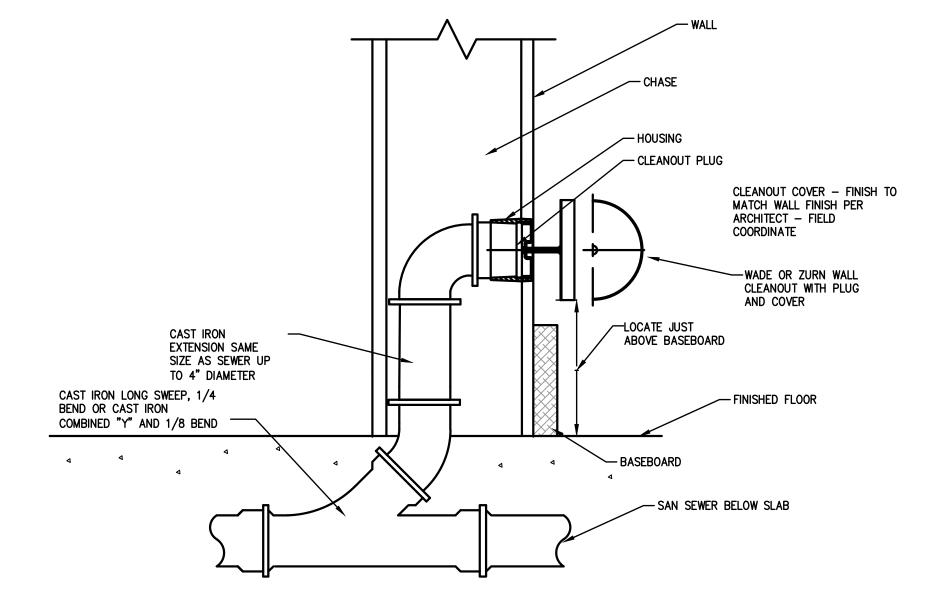


EXTERIOR CLEAN-OUT (ECO)
SCALE: NONE



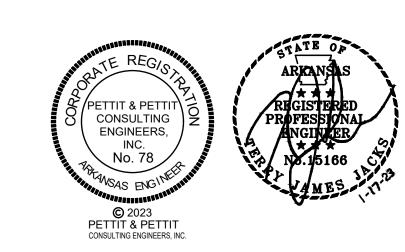
TWO-WAY CLEANOUT TO GRADE DETAIL

SCALE: NONE



SCALE: NONE

WALL CLEAN-OUT (WCO)
SCALE: NONE



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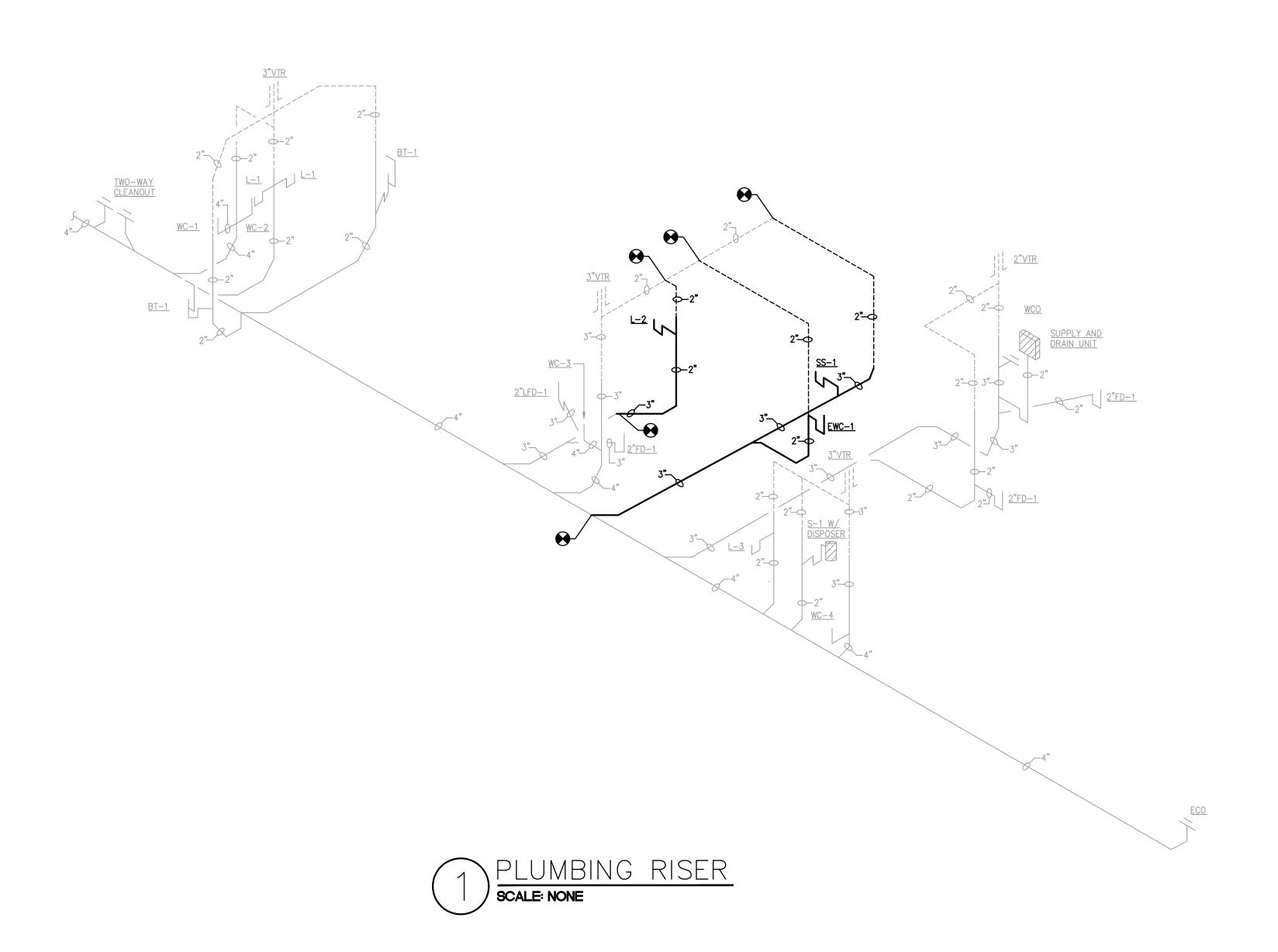
> PLUMBING DETAILS

PROJECT # 5102201

JANUARY 17, 2023

As-Builts
2/26/2024
CSUSA
No Change

P2.1



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> HILL COTTAGE RENOVATION PHASE II

ARKANSAS SCHOOL FOR THE BLIND / VISUALLY IMPAIRED LITTLE ROCK, ARKANSAS

PLUMBING RISER

PROJECT # 5102201

JANUARY 17, 2023

