

# INDEX

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# RENOVATIONS TO THE PFEIFFER RESIDENCE

PIGGOT, ARKANSAS

## ARKANSAS STATE UNIVERSITY

### SEISMIC INFORMATION

THIS PROJECT IS LOCATED IN SEISMIC ZONE 1  
 PEAK VELOCITY RATED ACCELERATION =  $A_v < 0.1$   
 PEAK ACCELERATION:  $A_o = 0.05$   
 SEISMIC HAZARD EXPOSURE: GROUP "I"  
 SEISMIC PERFORMANCE: CATEGORY "B"

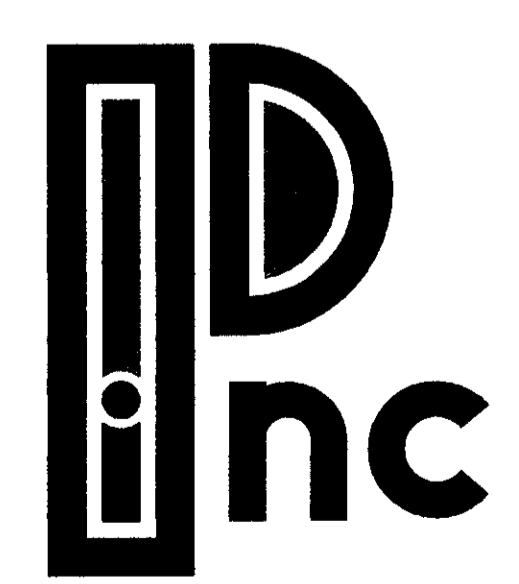
I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS  
 HAVE BEEN PREPARED BY ME OR UNDER MY SUPERVISION.  
 I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE,  
 THESE PLANS AND SPECIFICATIONS ARE AS REQUIRED BY LAW  
 AND IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION  
 CODE FOR THE STATE OF ARKANSAS.

*[Signature]*

DATE: APRIL 14, 1998

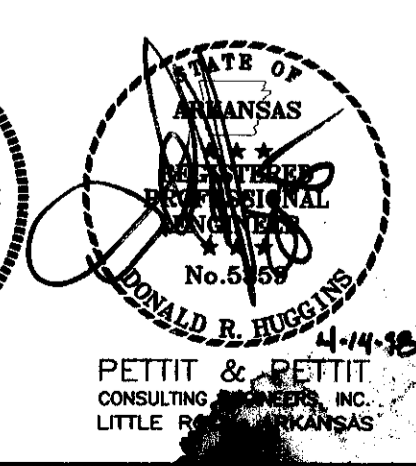
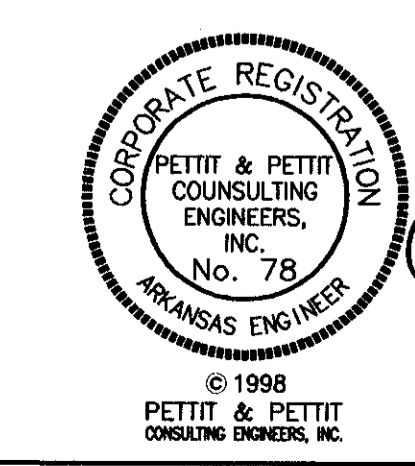
JOB NUMBER: 97-169

SHEET NUMBER: 9



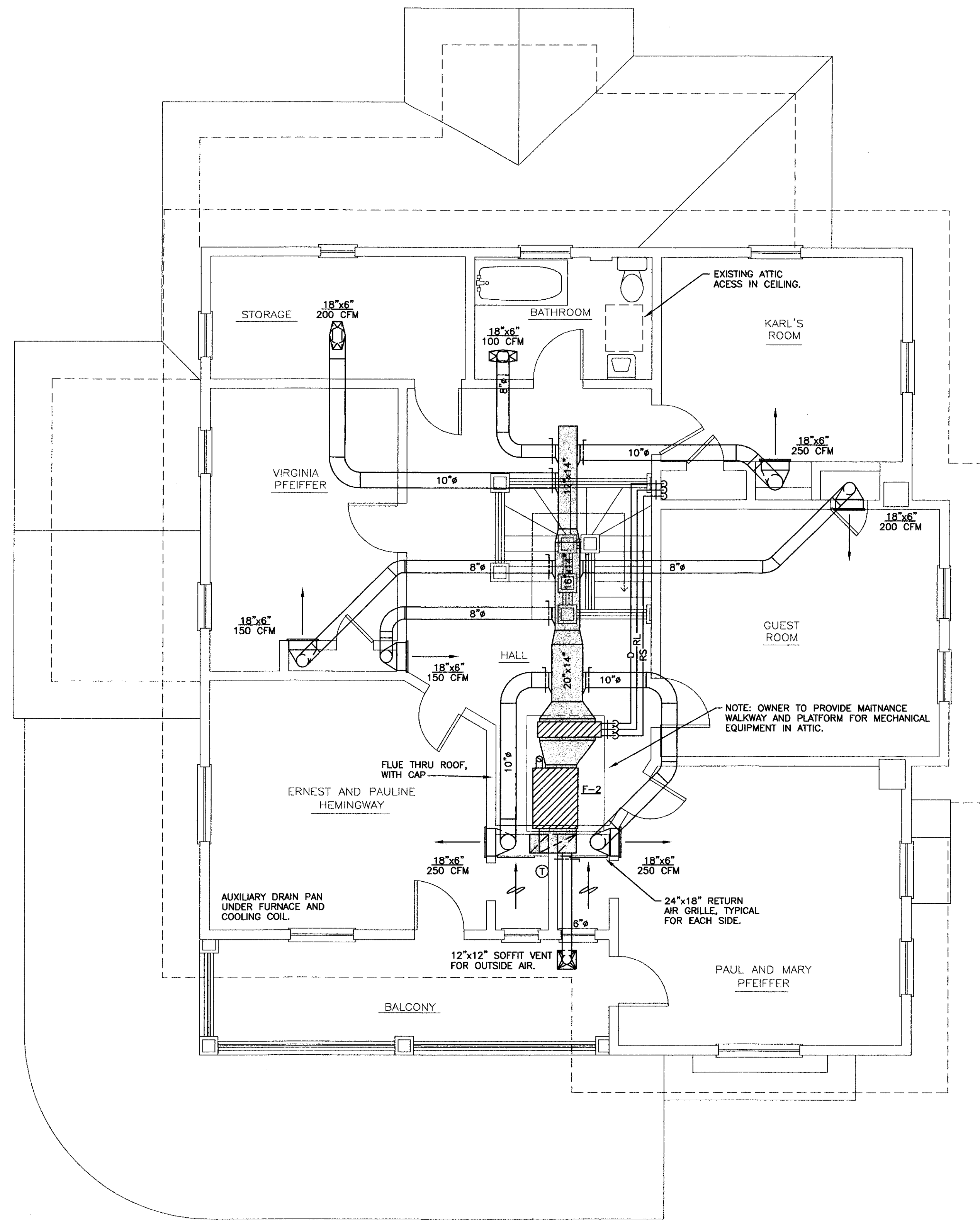
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 201 East Markham Street  
 Little Rock, Arkansas 72201-1631  
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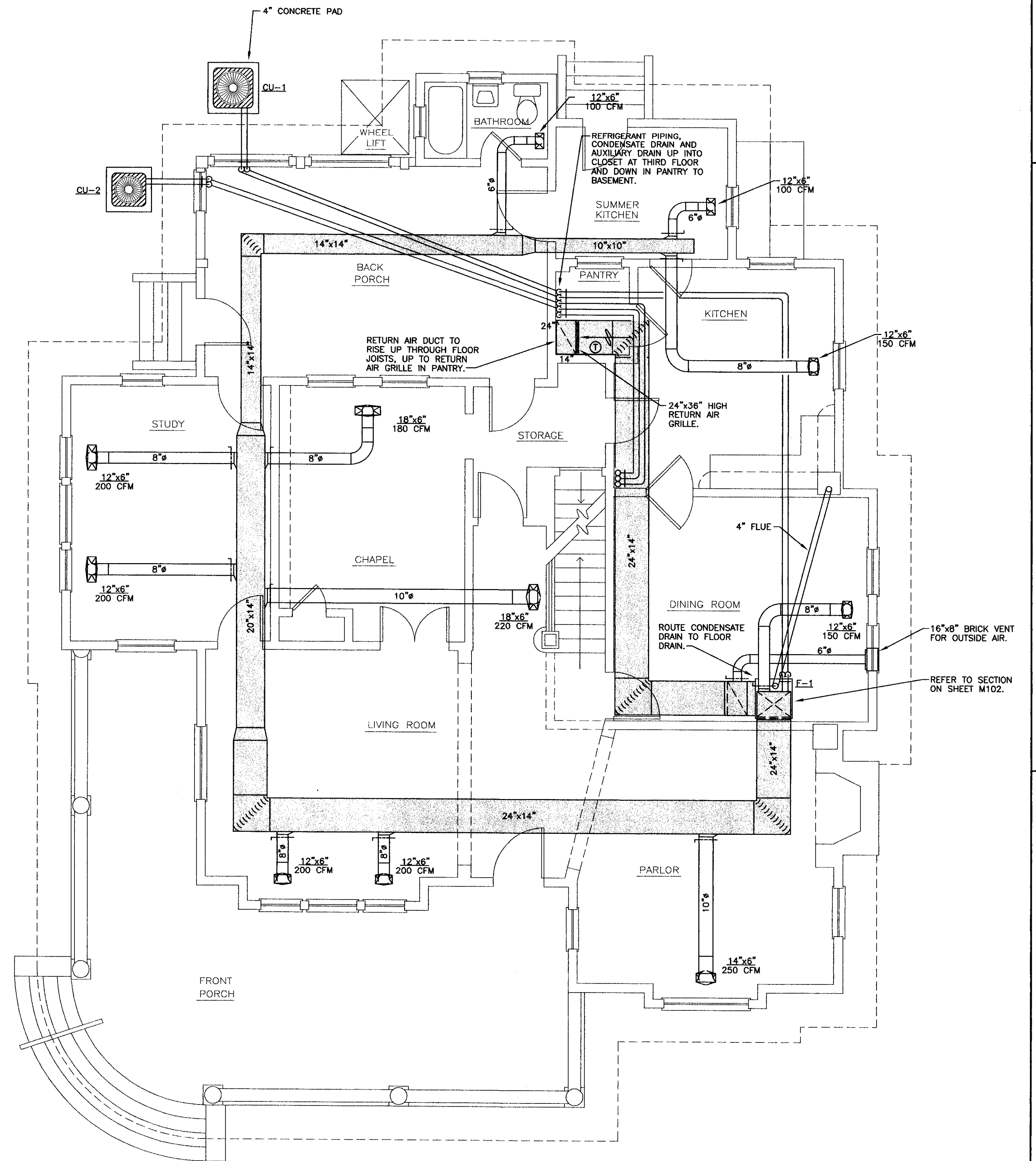


**Upper floor plan - h.v.a.c.**

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

NOTE:

1. ALL DUCT WORK ON THIS PLAN IS LOCATED IN ATTIC SPACE.
2. CEILING DIFFUSERS AND SIDEWALL REGISTERS TO BE PROVIDED BY OWNER.
3. PATCHING OF FINISHES BY OWNER.

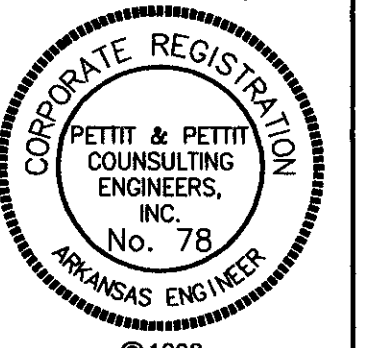
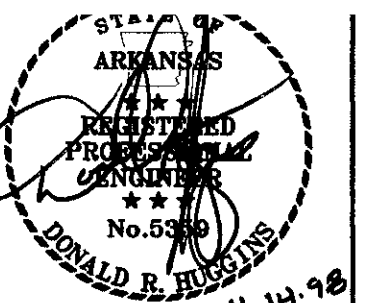


**Lower floor plan - h.v.a.c.**

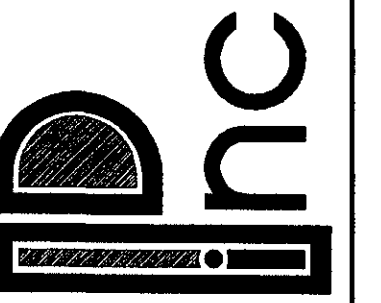
SCALE: 1/4" = 1'-0"

NOTES:

1. ALL DUCT WORK ON THIS PLAN IS BELOW FLOOR, IN CRAWL SPACE.
2. ALL WALL PENETRATIONS TO BE SEALED WATERTIGHT.
3. FLOOR REGISTERS TO BE PROVIDED BY OWNER.
4. PATCHING OF FINISHES BY OWNER.



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**RENOVATIONS TO  
PFEIFFER RESIDENCE  
PIGGOTT, ARKANSAS**

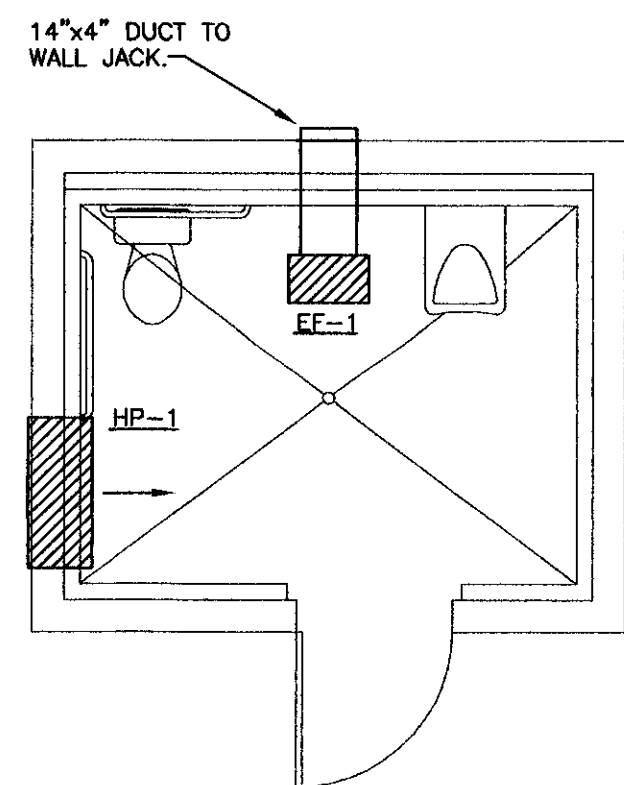
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DESIGN: GAF / DRH

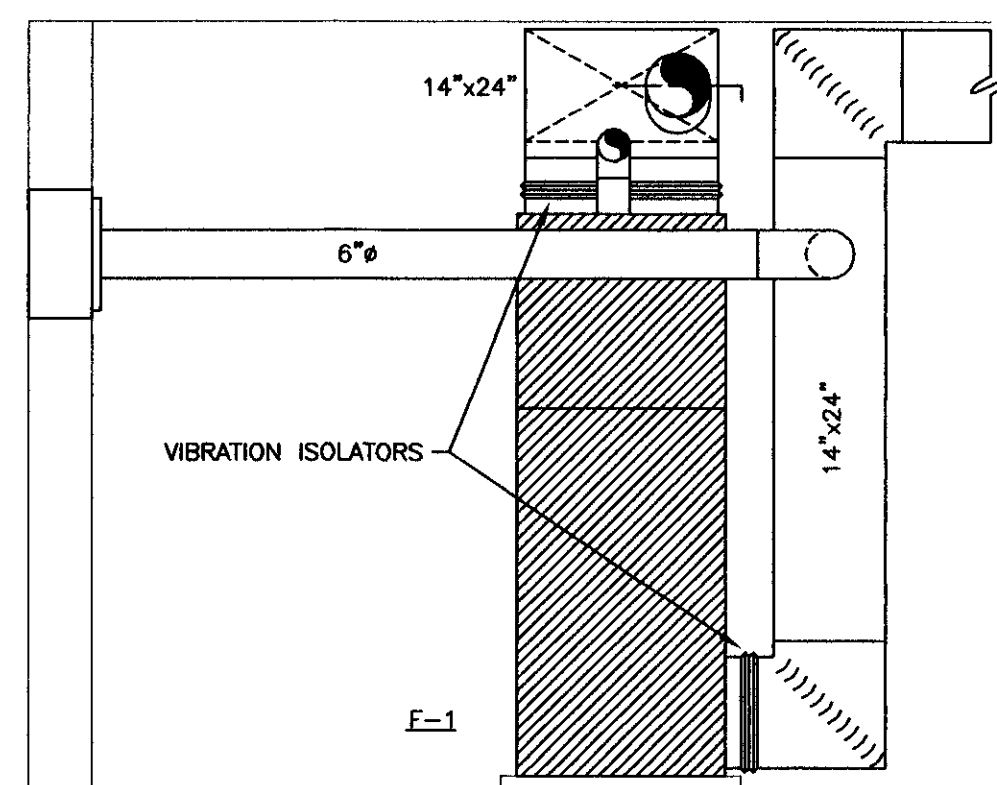
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SHEET NO:

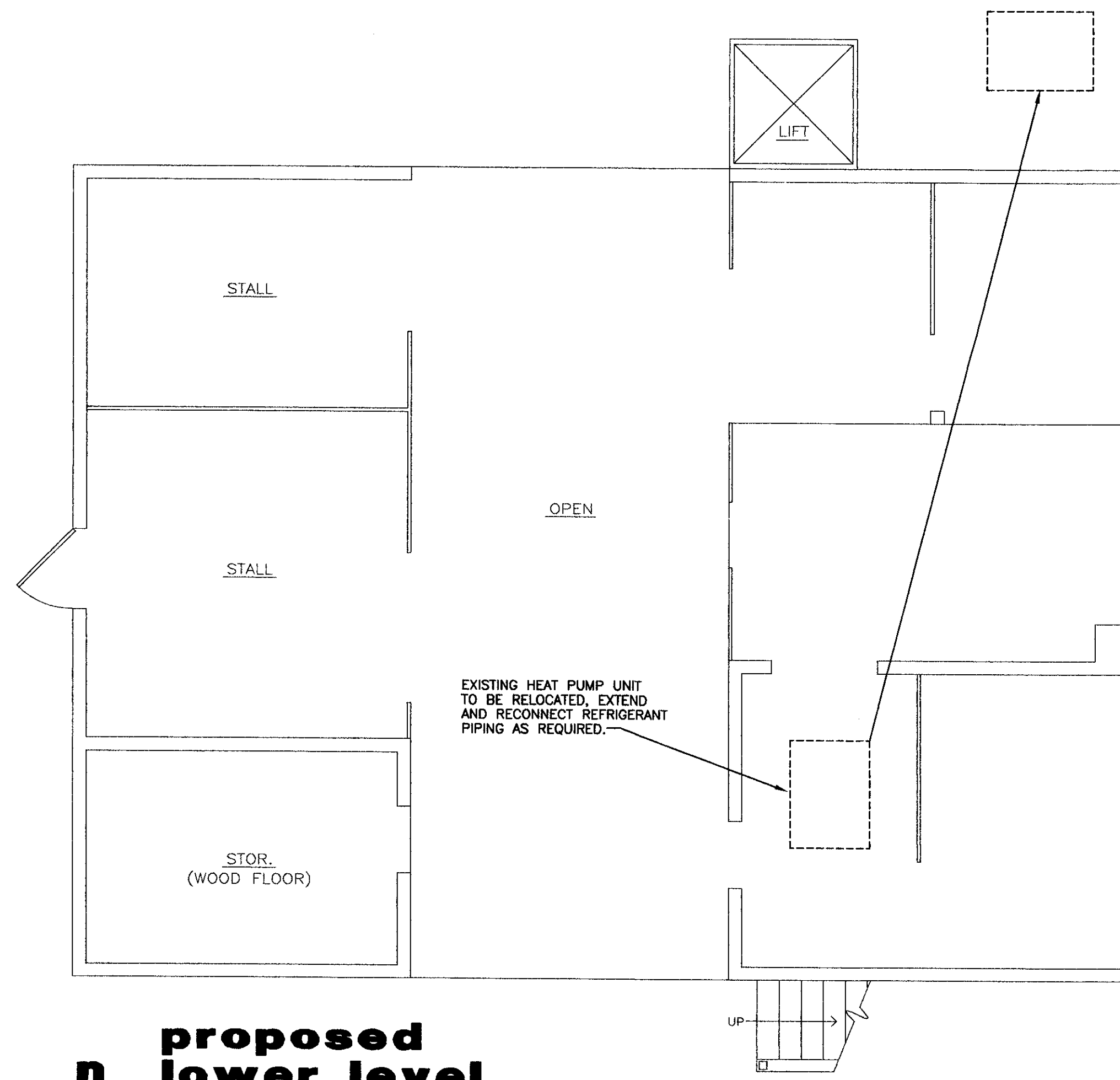
M101



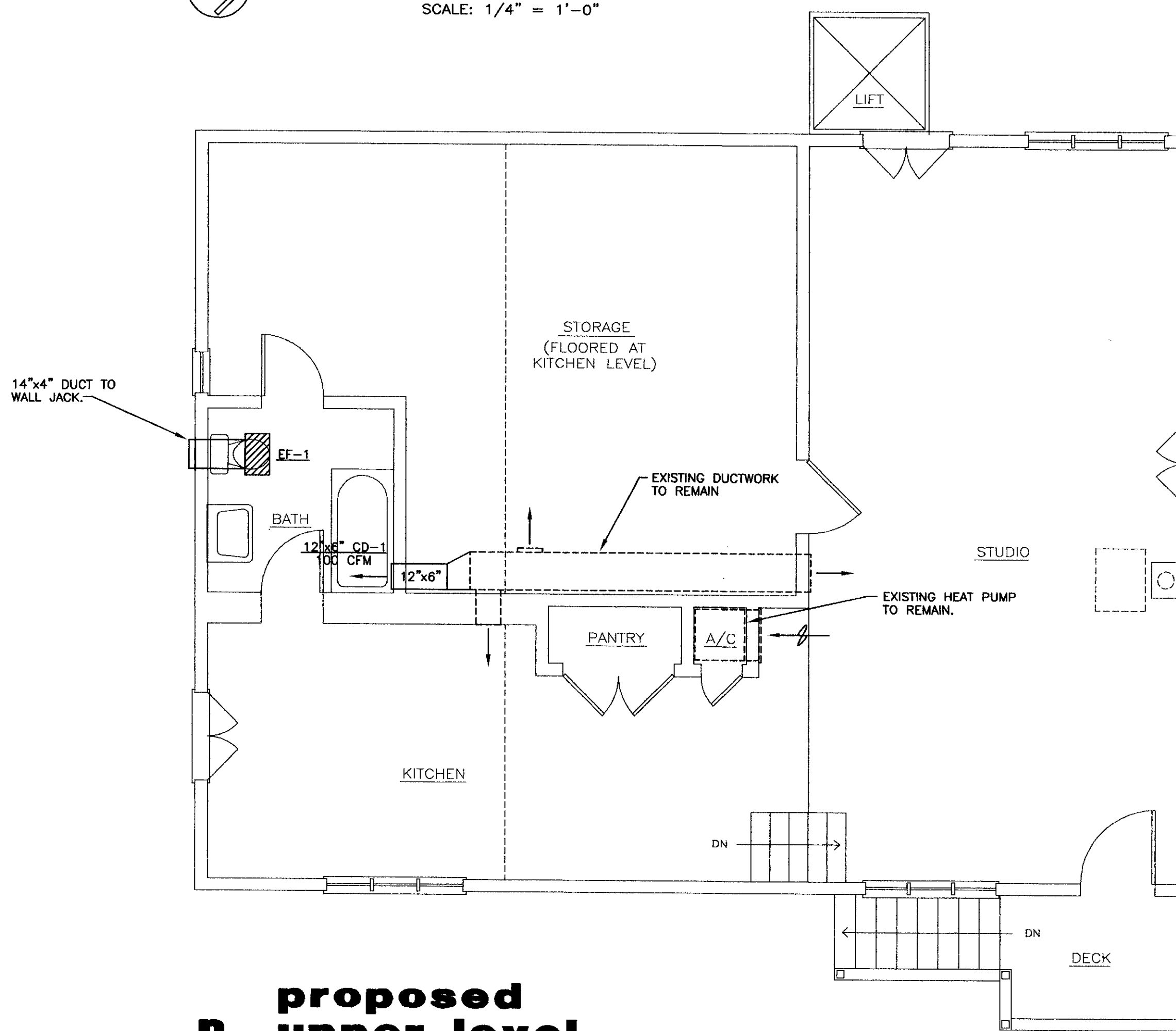
**n**  
 floor plan - h.v.a.c.  
 SCALE: 1/4" = 1'-0"



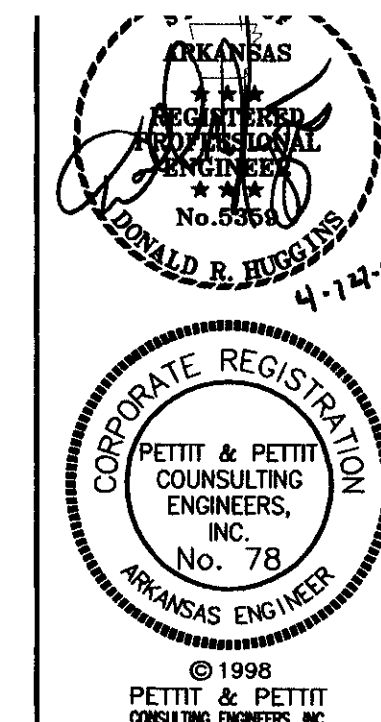
**section - h.v.a.c.**  
 SCALE: 1/2" = 1'-0"



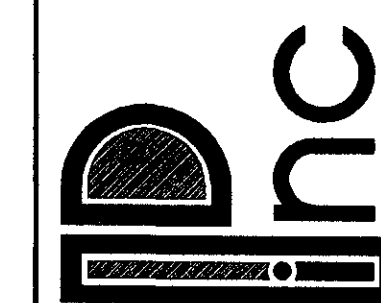
**n**  
 proposed lower level floor plan  
 SCALE: 1/4" = 1'-0"



**n**  
 proposed upper level floor plan  
 SCALE: 1/4" = 1'-0"



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**RENOVATIONS TO**  
**PFEIFFER RESIDENCE**  
**PIGGOTT, ARKANSAS**

JOB NO: 97-169  
 DESIGN: GAF / DRH  
 DATE: 04-14-98  
 SHEET NO:  
**M102**

### GAS FIRED FURNACE SCHEDULE

DESIG.	MFR./MDL	TYPE	CFM	OSA	ESP	FAN DIA.	DRIVE	HEATING SECTION					ELECTRICAL DATA			REMARKS
								INPUT	OUTPUT	FUEL	EAT	LAT	HP	MCA	VOLT/PHASE	
F-1	LENNOX G23Q4/5-100	UP-FLOW	2000	200	.50"	12"Ø	DIRECT	100.0 MBH	81.0 MBH	NAT. GAS	63°F	109°F	3/4	12	120V / 1Ø	
F-2	LENNOX G27M4-100	HORIZ.	1600	160	.50"	12"Ø	DIRECT	100.0 MBH	80.0 MBH	NAT. GAS	63°F	121°F	1/2	12	120V / 1Ø	

### CONDENSING UNIT AND COIL SCHEDULE

DESIG.	CONDENSING UNIT			SERVES	EVAPORATOR COIL			COMBINED RATING			ELECTRICAL			REMARKS
	MFR./MDL	TYPE	OSA AMBIENT		MDL.	CFM	EAT	AIR PD	TOTAL	SENS	SST	VOLTS/PHASE	M.C.A.	
CU-1	LENNOX HS29-681	AIR COOLED	95°F	F-1	C23-51 65(FC)	2000	80° db 67° wb	.25	62.2 MBH	46.0 MBH	---	230V / 1Ø	31.2	
CU-2	LENNOX HS29-511	AIR COOLED	95°F	F-2	C23-51(FC)	1600	80° db 67° wb	.16	48.0 MBH	36.4 MBH	---	230V / 1Ø	35.8	

### EXHAUST FAN SCHEDULE

DESIG.	MFR./MDL	SERVES	LOCAT.	TYPE	FAN DATA				MOTOR DATA							REMARKS
					CFM	S.P.	RPM	DRIVE	TYPE	DIA.	SONES	RPM	BHP	HP	VOLT/PH	
EF-1	COOK GEMINI 5-10	REST ROOMS	CEILING SPACE	INLINE	210	.25	1050	DIRECT	CENT.	---	1.6	1050	---	81 W	115V/1Ø	

### HEAT PUMP SCHEDULE

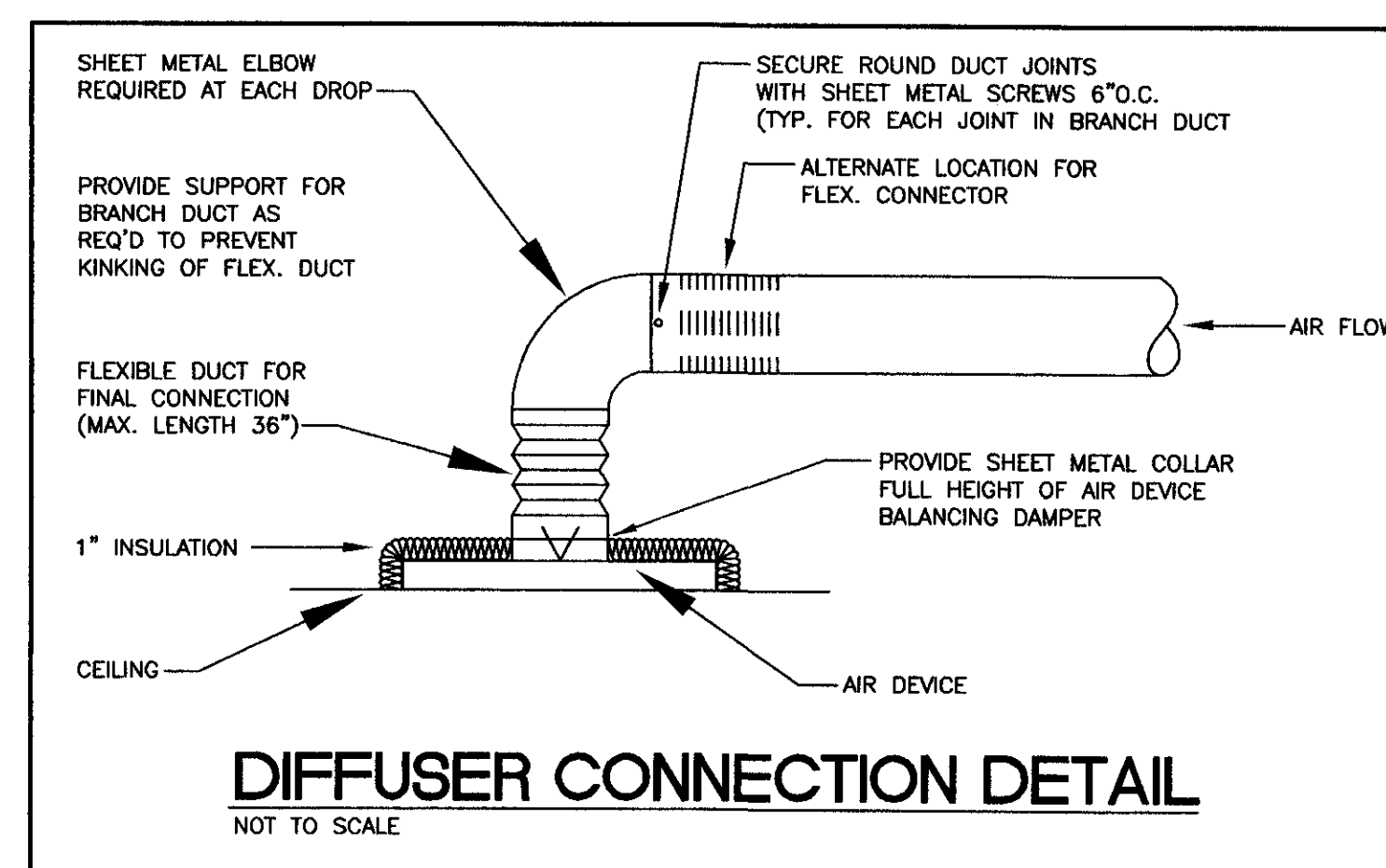
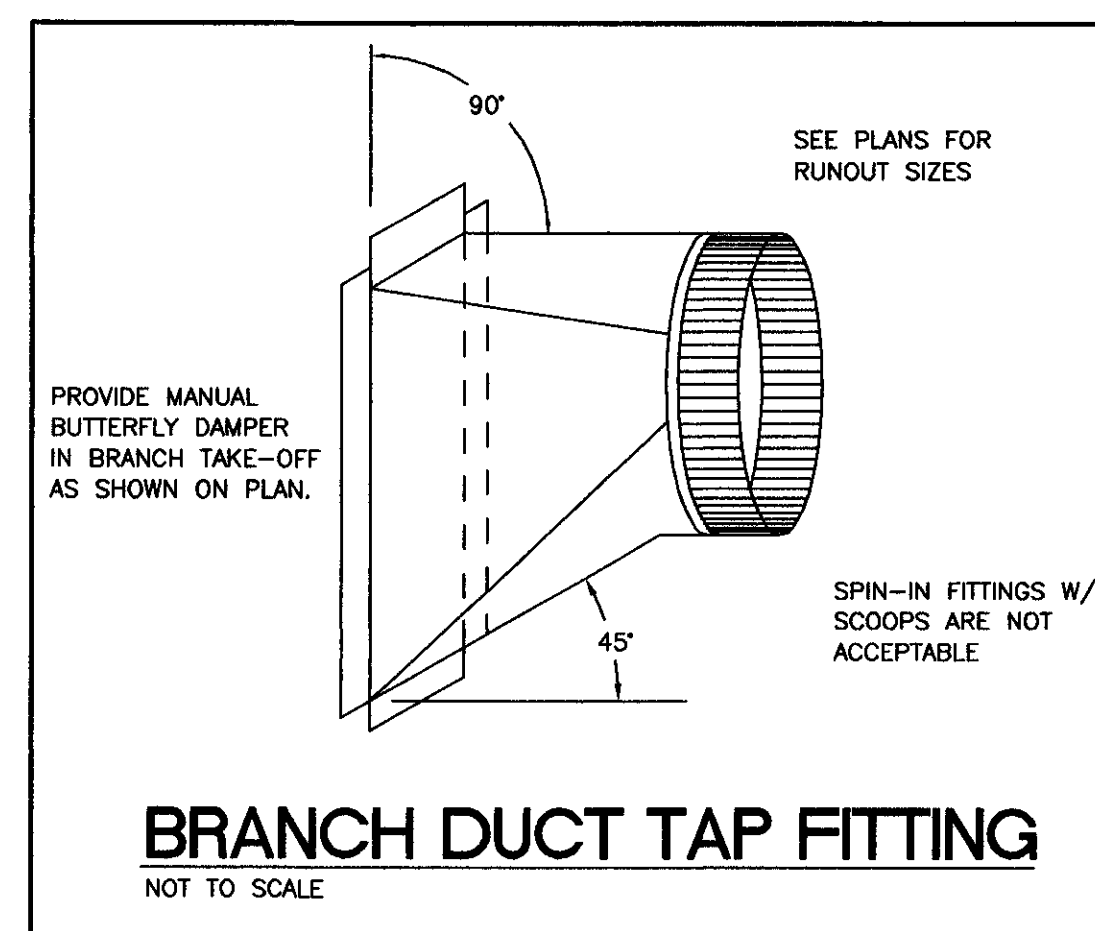
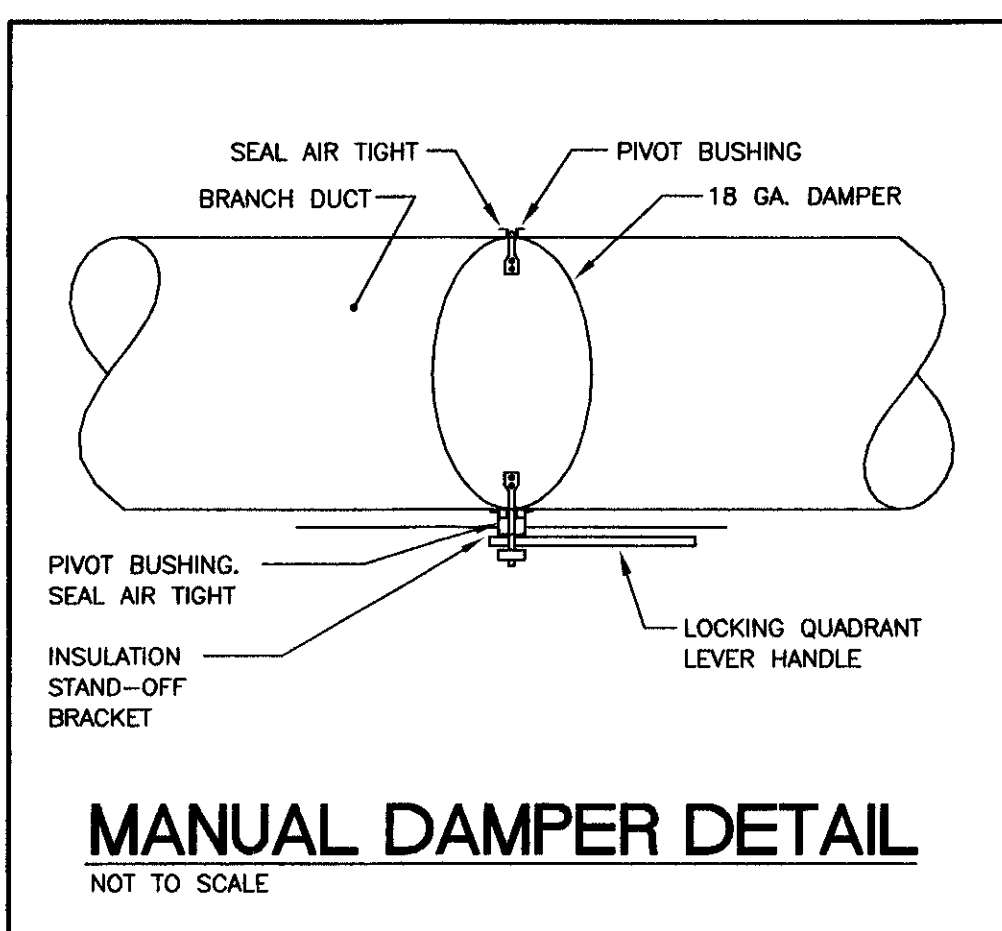
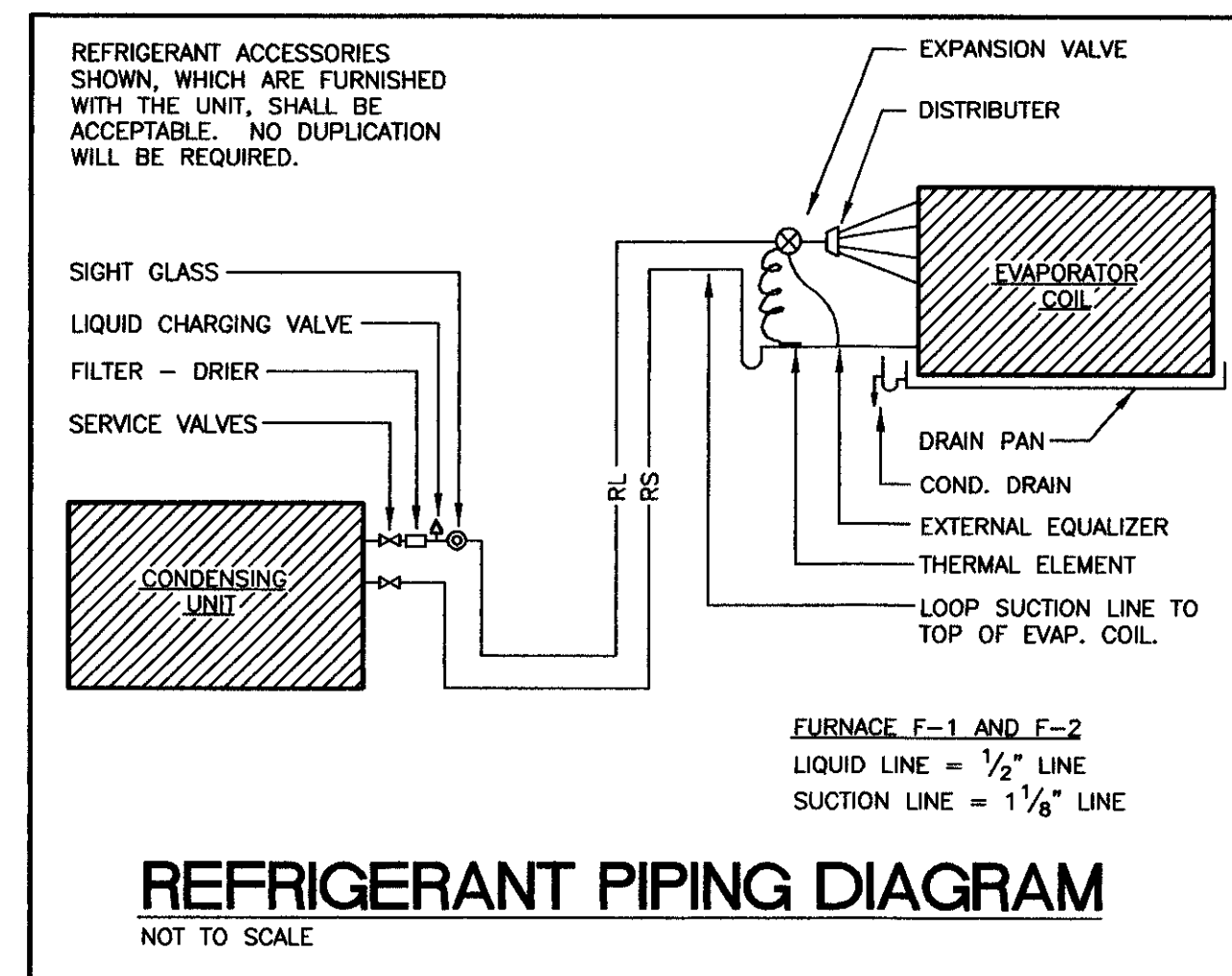
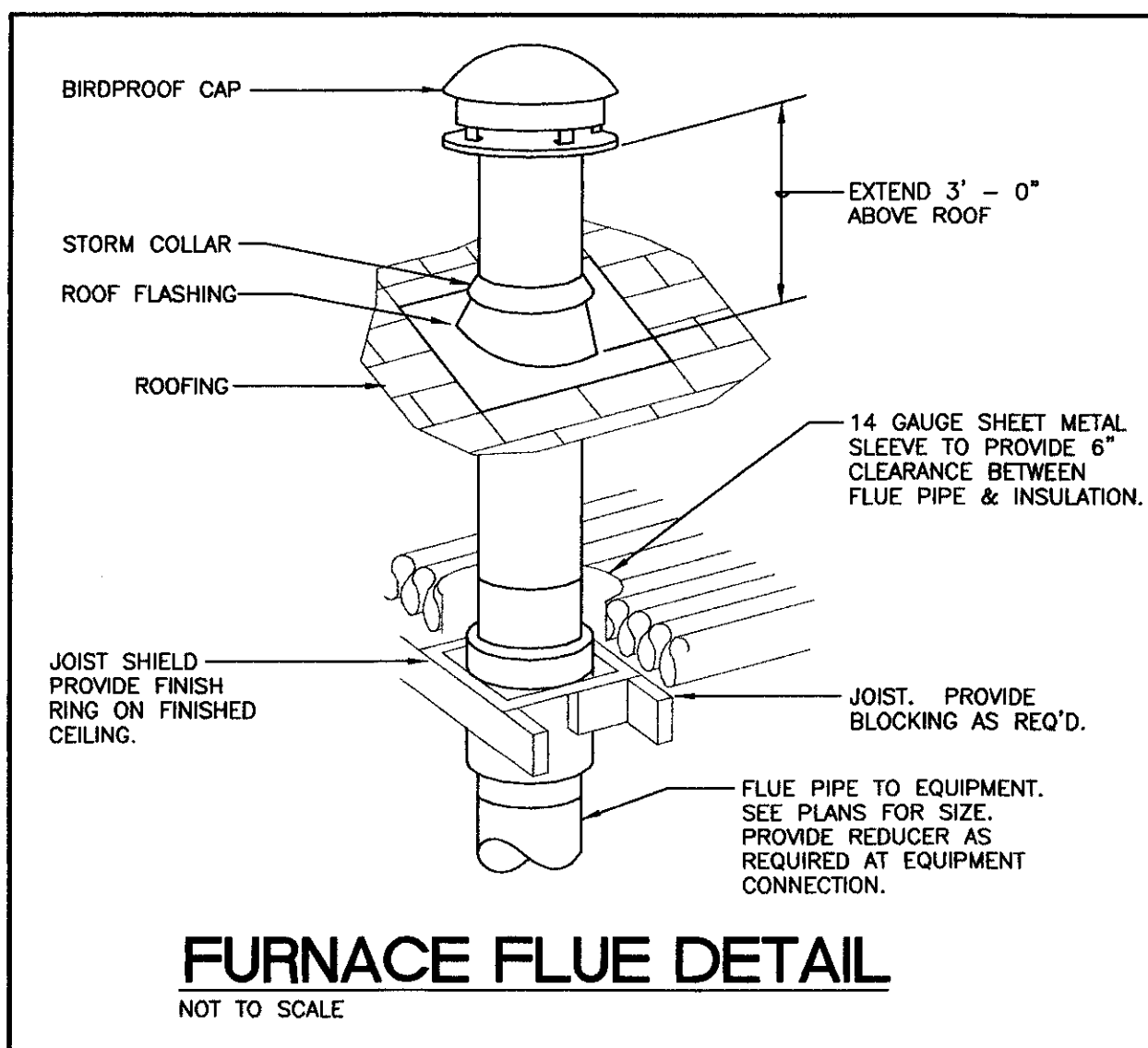
DESIG.	MFR./MDL	SERVES	TYPE	CFM	OSA	ESP TSP	COOLING			HEATING			AUX. HEATING		ELECTRICAL		REMARKS		
							MBH	EER	FLA	MBH	COP	FLA	MBH	FLA	KW	VOLTS		PHASE	MAX FLA
HP-1	A.A.F. ENERSAVER YY-7	PUMP HOUSE	CEILING SPACE	340	68	.25	7	8.5	5.0	6.1	2.5	3.2	14.5	18.0	4.27	240V	1Ø	22.5	PROVIDE WITH DISCONNECT SWITCH

### AIR DEVICE SCHEDULE

DESIG.	MFR./MDL.	TYPE	FACE SIZE	FINISH	FREE AREA	ACCESS.	REMARKS
RAG	TUTTLE AND BAILEY GMR	SIDEWALL RETURN AIR GRILLE	AS NOTED	WHITE	65%	VOLUME CONTROL	

### GENERAL NOTES

- DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.
- THIS FACILITY IS LOCATED IN SEISMIC ZONE 3 AS DESCRIBED IN THE STANDARD BUILDING CODE. ALL PIPING, DUCTWORK, AND EQUIPMENT SHALL BE ISOLATED AND/OR RESTRAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THIS ZONE.
- DUCT SIZES INDICATED ON PLANS ARE ACTUAL SHEET METAL SIZES AND DO ALLOW FOR INTERNAL INSULATION OF RECTANGULAR DUCT, IF APPLICABLE.
- ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL USING PITTSBURGH LOCK SEAMS UNLESS OTHERWISE SPECIFIED.
- SHEET METAL GAUGES, REINFORCING JOINTS, SEAMS, ETC. SHALL BE AS CALLED FOR IN THE LATEST EDITION OF THE SMACNA MANUAL "HVAC DUCT CONSTRUCTION STANDARDS", EXCEPT METAL GAUGES AND REINFORCING SHALL BE DESIGNED FOR A MINIMUM OF 2" STATIC PRESSURE.
- ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.
- MOUNT ALL THERMOSTATS AT 48" ABOVE FINISHED FLOOR.
- FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED.
- WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.
- PROVIDE TURNING VANES IN ALL 90-DEGREE ELBOWS.
- PROVIDE SLEEVES THROUGH WALLS AND FLOORS. SEAL EXCESS OPENING WITH WATER-PROOF SEALANT. COORDINATE LOCATIONS AND SIZES OF SLEEVES WITH GENERAL CONTRACTOR. SLEEVES SHALL PROVIDE A MAXIMUM OF 1" CLEARANCE BETWEEN DUCT OR PIPE AND SLEEVE. SEAL PENETRATION IN FIRE/SMOKE RATED WALLS AND FLOOR WITH AN APPROVED FIRE/SMOKE BLOCK SEALANT.
- INTERNALLY INSULATE ALL RECTANGULAR SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK UNLESS NOTED OTHERWISE.
- EXHAUST DUCTWORK SHALL BE UN-INSULATED, UNLESS NOTED OTHERWISE.
- EXTERNALLY INSULATE LOW-VELOCITY ROUND RUNOUT DUCTWORK.
- INSULATE ALL PIPING, DUCTS, AND EQUIPMENT, WHETHER INDICATED OR NOT, WHICH ARE SUBJECT TO FREEZING OR CONDENSATION FORMATION.
- INTERNALLY LINE RETURN AIR PLENUMS WITH 1" SEMI-RIGID DUCT LINER ON TOP, BOTTOM AND ALL FOUR SIDES.
- RUN COOLING COIL CONDENSATE DRAINS FULL SIZE TO NEAREST FLOOR OR ROOF DRAIN.
- ARRANGE PIPING TO ALLOW FOR PROPER SERVICE & ACCESS TO EQUIPMENT. INSTALL UNIONS AND ISOLATION VALVES TO ALLOW FOR REMOVAL OF EQUIPMENT WITHOUT DISTURBING MAINS.
- INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTIONS.
- REFER TO PLUMBING PLANS FOR LOCATION OF DRAINS.
- COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH STRUCTURAL FRAMING MEMBERS. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.
- COORDINATE LOCATIONS AND ELEVATION OF DUCT RUNS WITH PLUMBING AND ELECTRICAL CONTRACTORS.
- COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- ADJUST LOCATION AND ROUTING OF DUCTWORK AS REQUIRED TO CLEAR STRUCTURAL MEMBERS. FIELD VERIFY EXACT JOIST AND TRUSS CROSS MEMBER LOCATIONS.

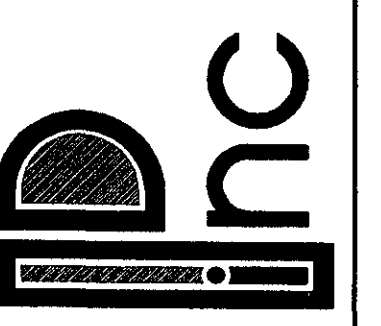


ARIZONA REGISTERED PROFESSIONAL ENGINEER  
No. 3848  
RONALD D. BURGESS  
4-14-98

CORPORATE REGISTRATION  
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No. 78  
ARKANSAS ENGINEER

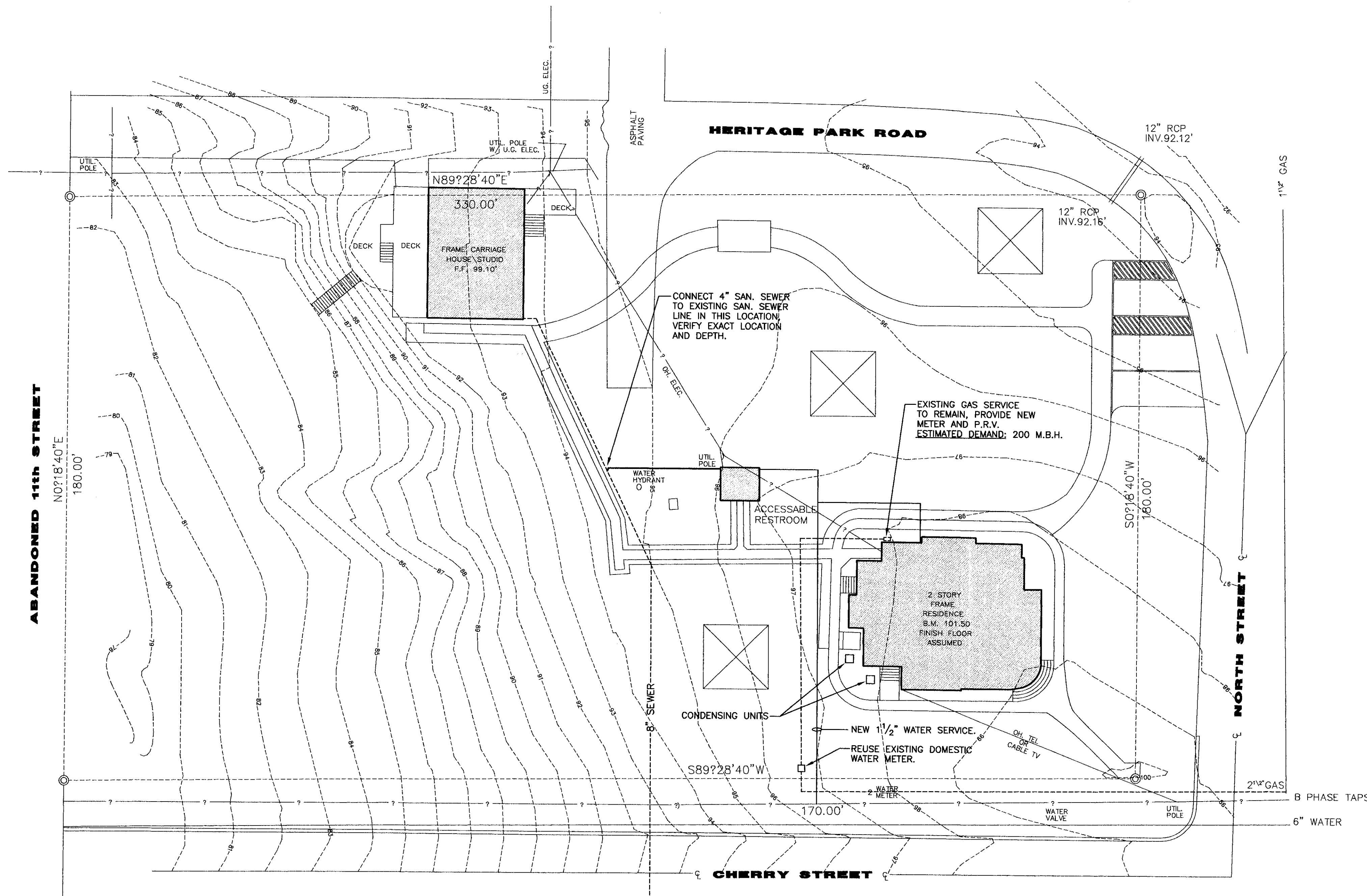
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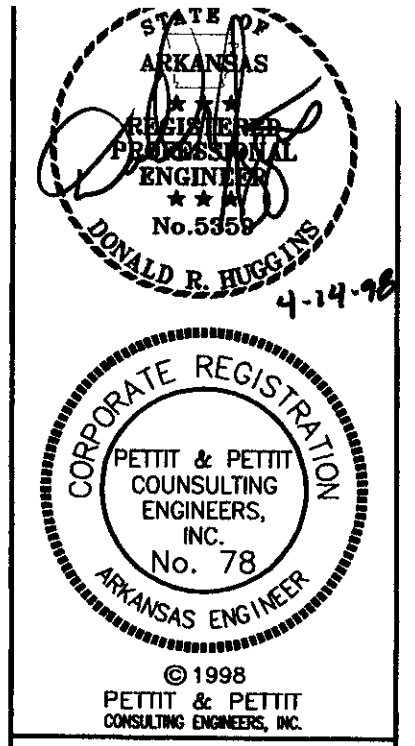


RENOVATIONS TO  
**PFEIFFER RESIDENCE**  
PIGGOTT, ARKANSAS

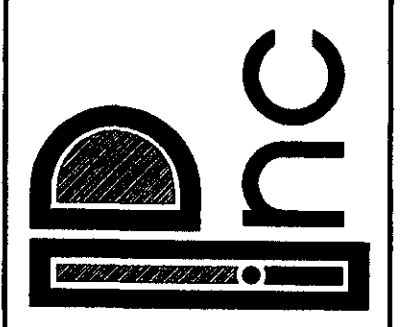
JOB NO: 97-169  
DESIGN: GAF / DRH  
DATE: 04-14-98  
SHEET NO:  
**M201**



**site plan**  
 SCALE : 1" = 20'-0"

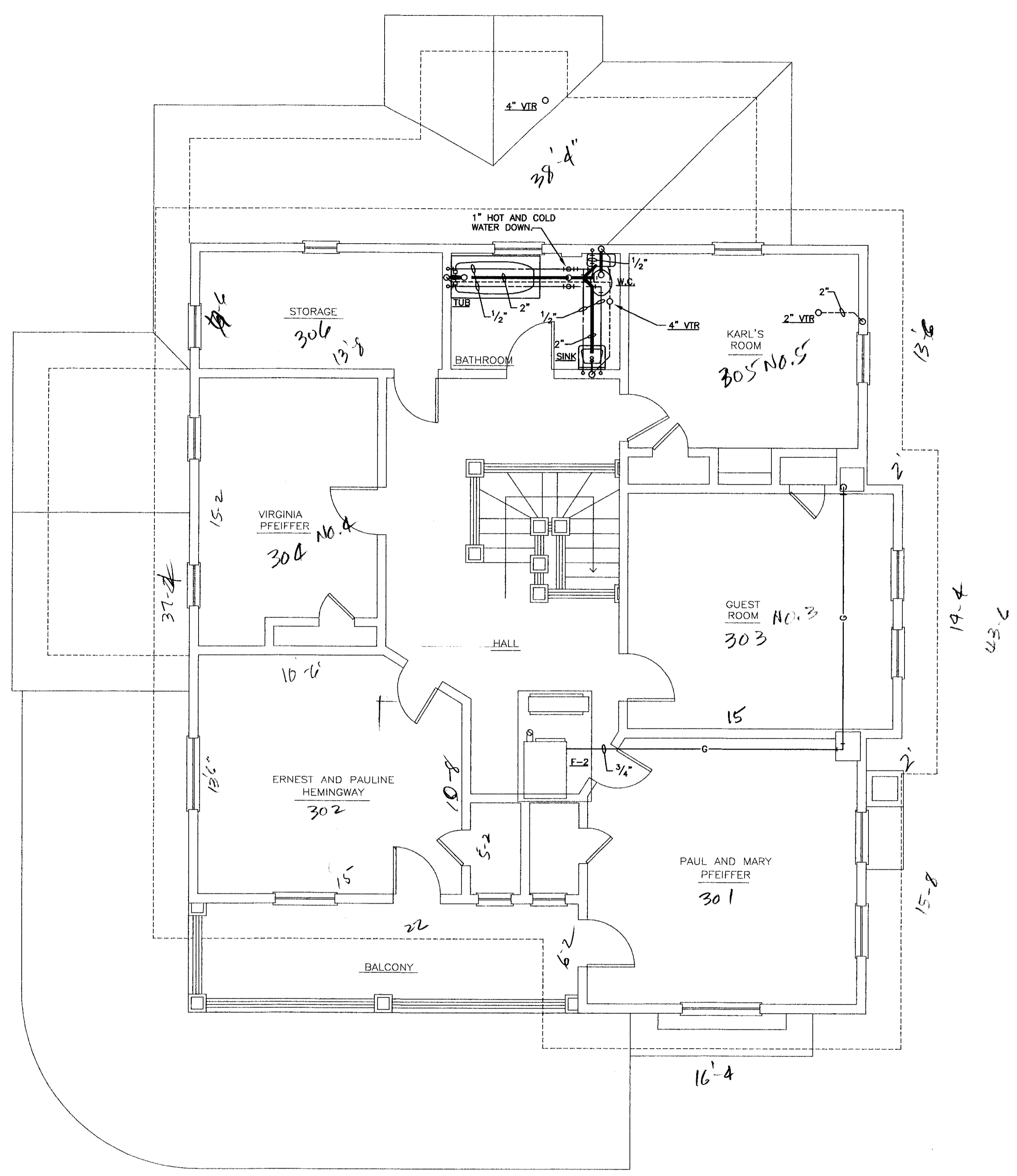


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**RENOVATIONS TO**  
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**PIGGOTT, ARKANSAS**

JOB NO:	97-169
DESIGN:	GAF / DRH
DATE:	04-14-98
SHEET NO:	P100

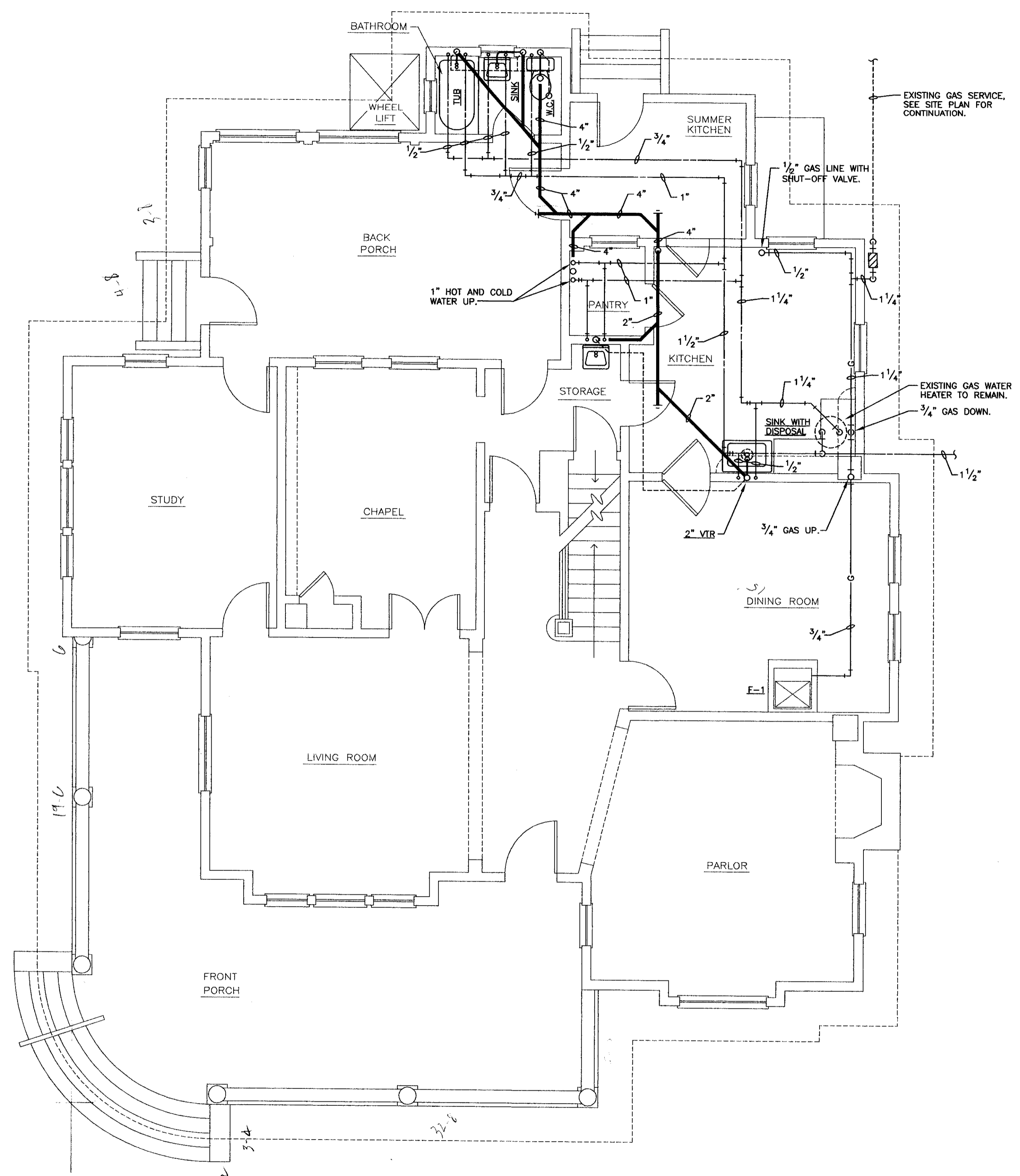


**n upper floor plan - plumbing**  
 SCALE: 1/4" = 1'-0"

22  
 16-4  
 38-4

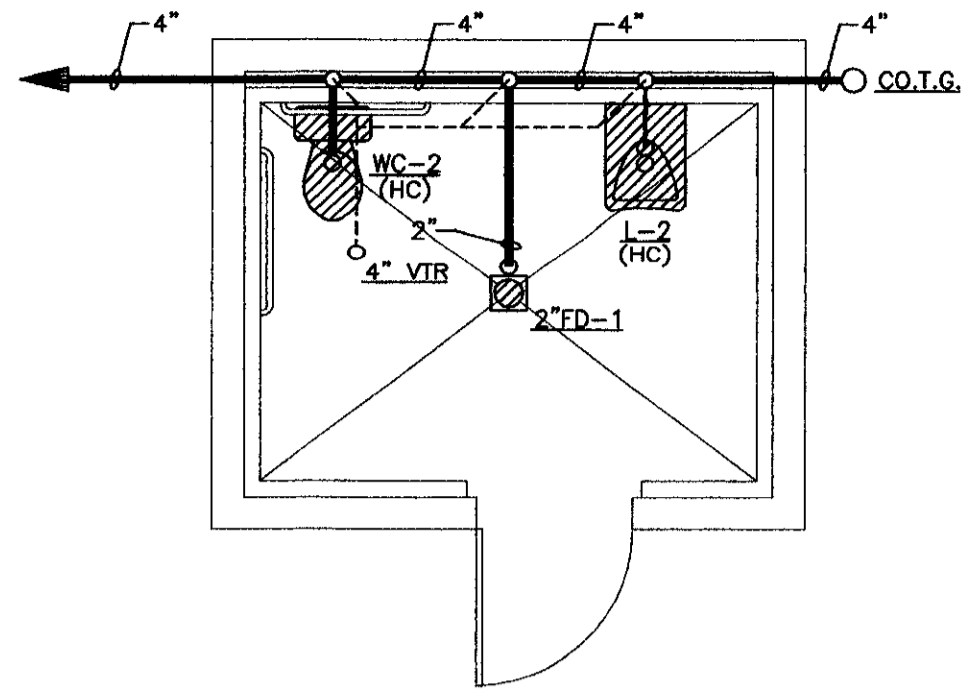
37-2  
 6  
 43-2

43-6

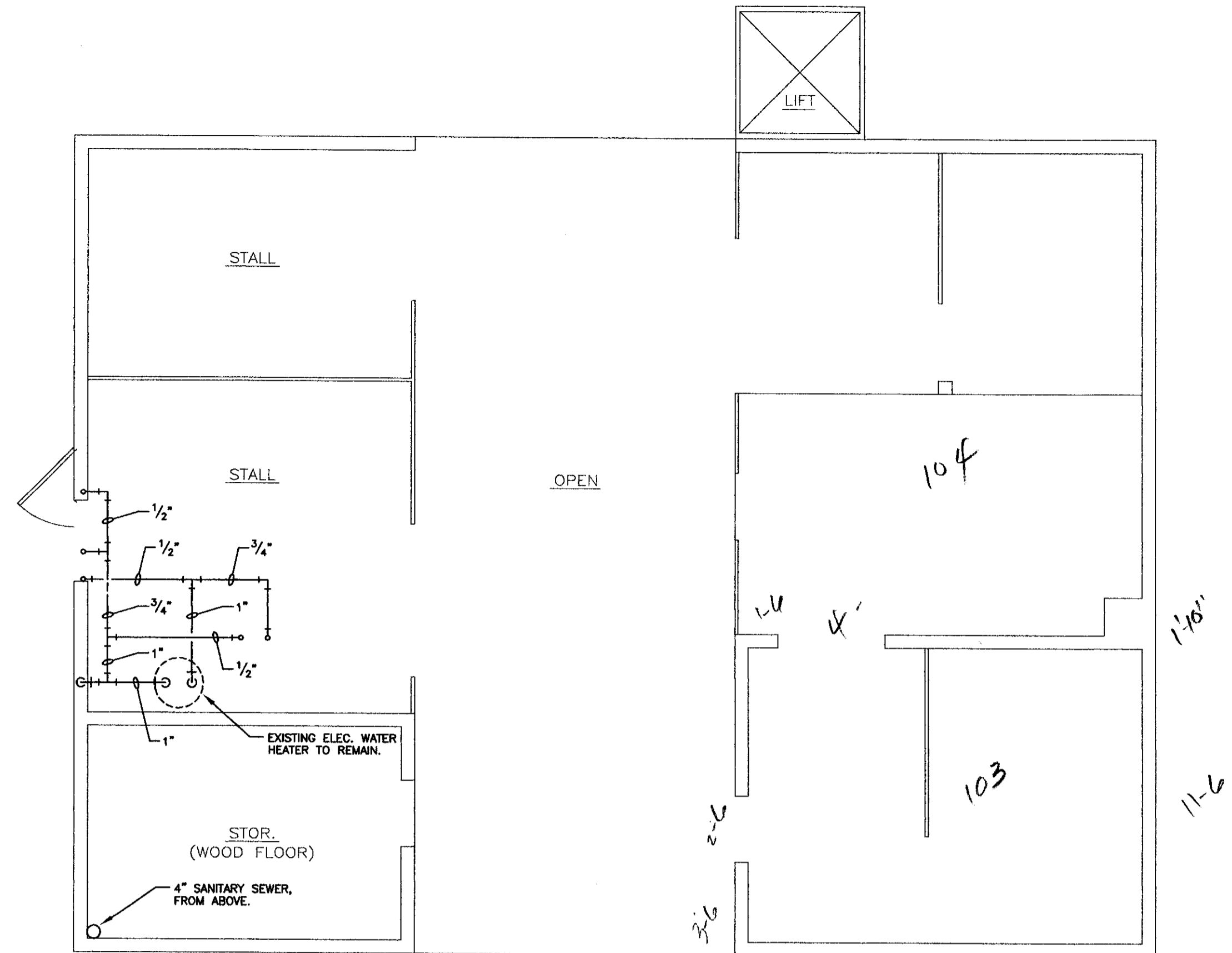


**n lower floor plan - plumbing**  
 SCALE: 1/4" = 1'-0"

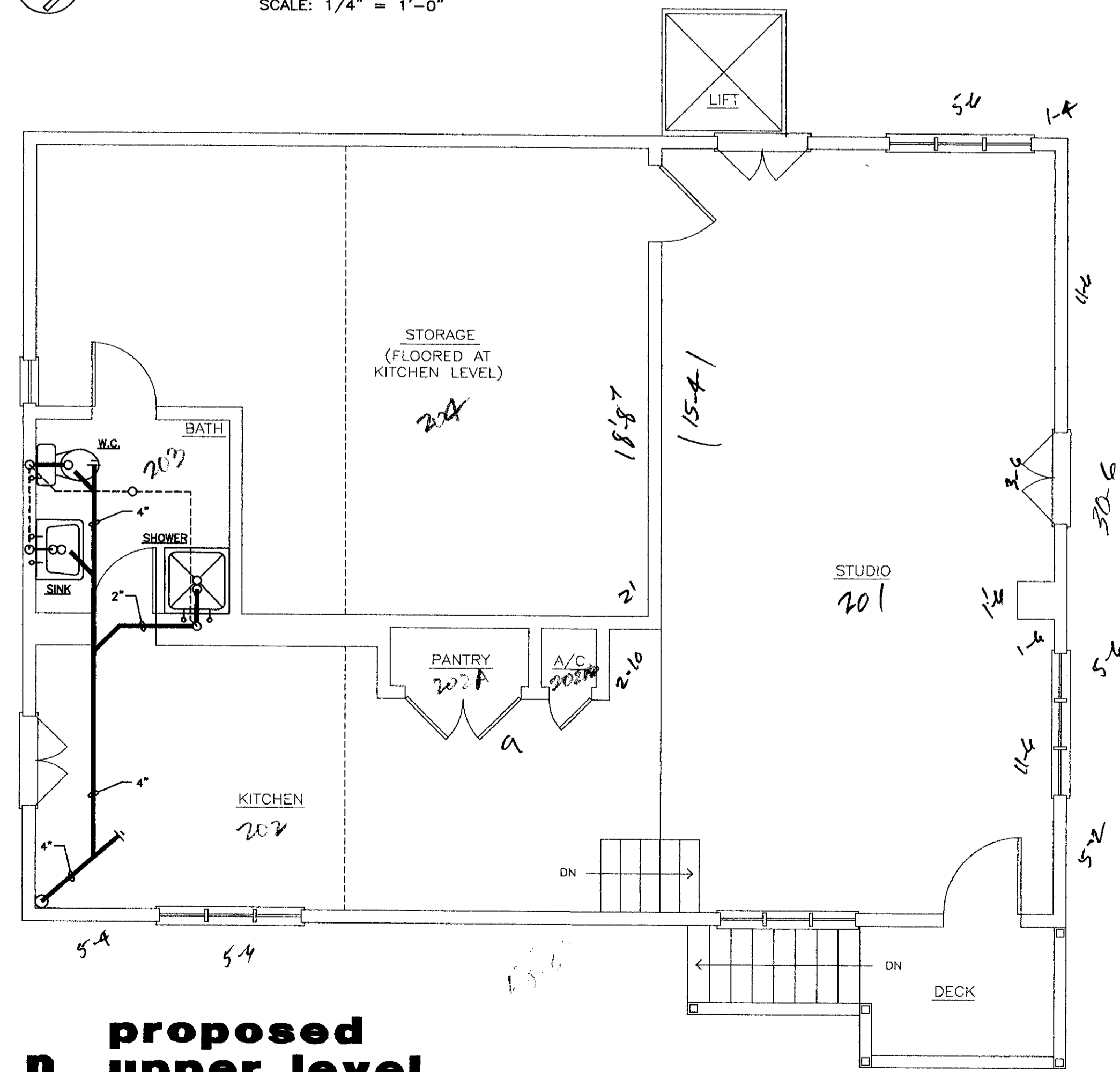
37-2  
 6  
 43-2



**n** floor plan - plumbing  
SCALE: 1/4" = 1'-0"

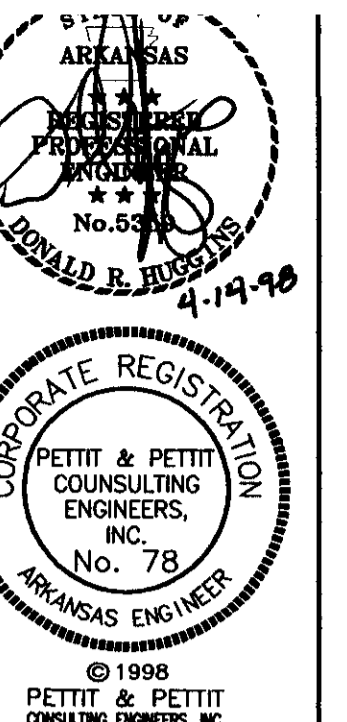


**n** proposed lower level floor plan  
SCALE: 1/4" = 1'-0"

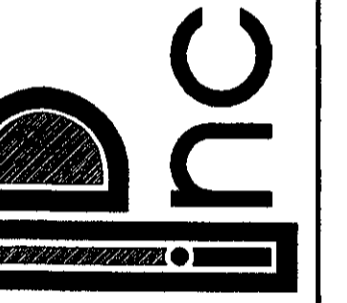


**n** proposed upper level floor plan  
SCALE: 1/4" = 1'-0"

249.57  
23.74  
284.39  
81.28



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**RENOVATIONS TO PFEIFFER RESIDENCE PIGGOTT, ARKANSAS**

JOB NO: 97-169  
DESIGN: GAF / DRH  
DATE: 04-14-98  
SHEET NO:  
**P102**

## PLUMBING GENERAL NOTES

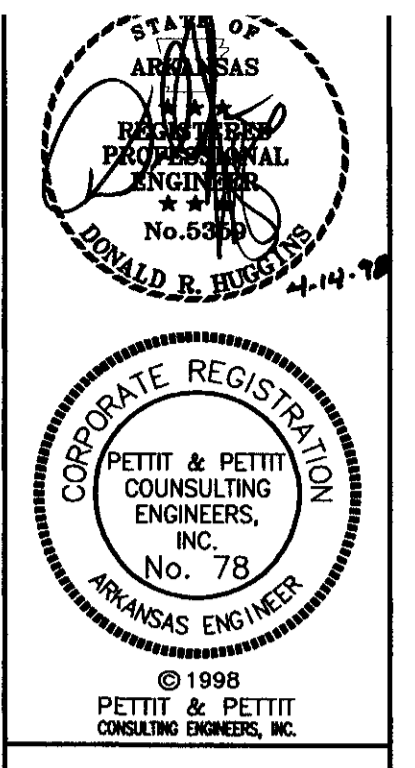
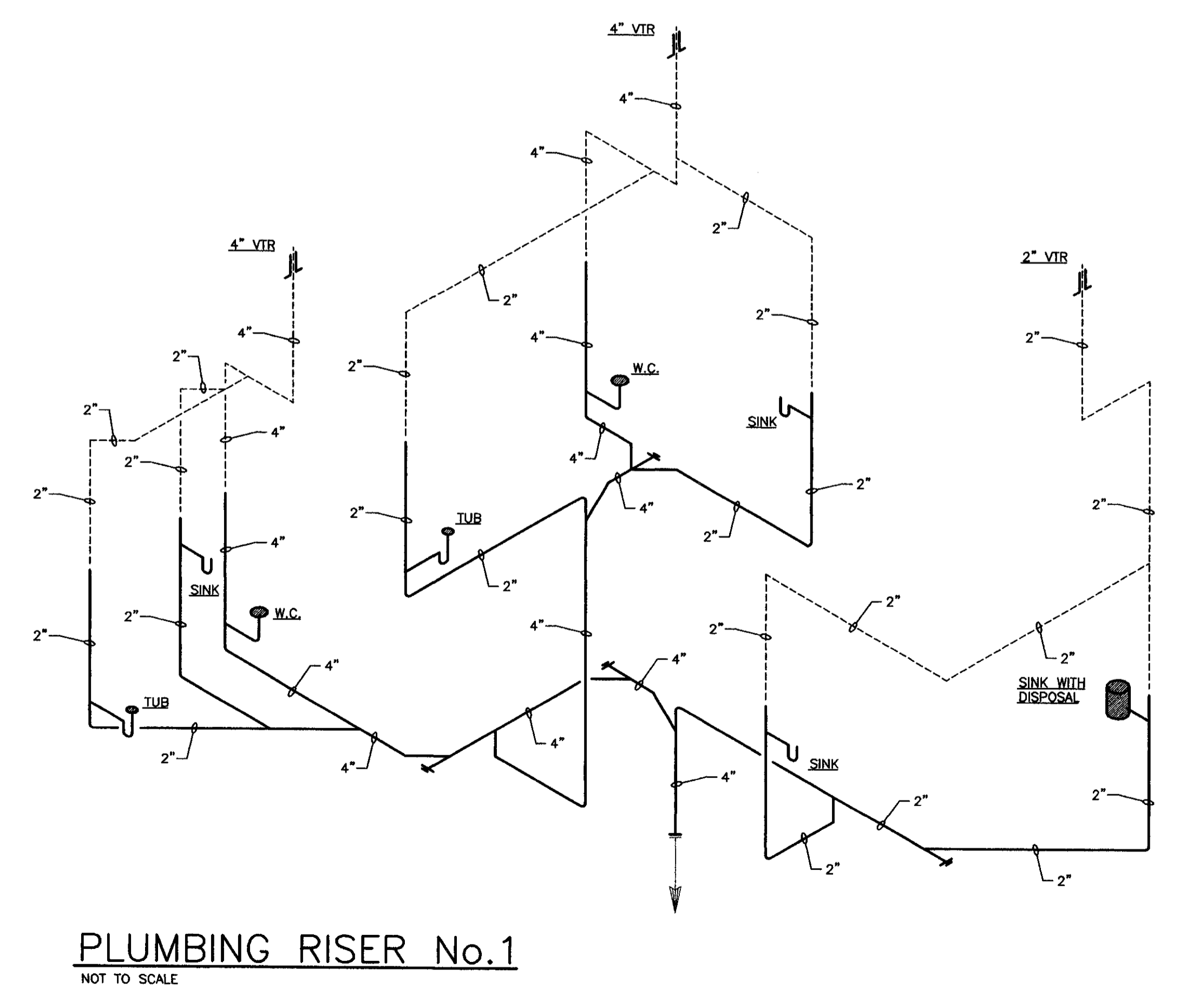
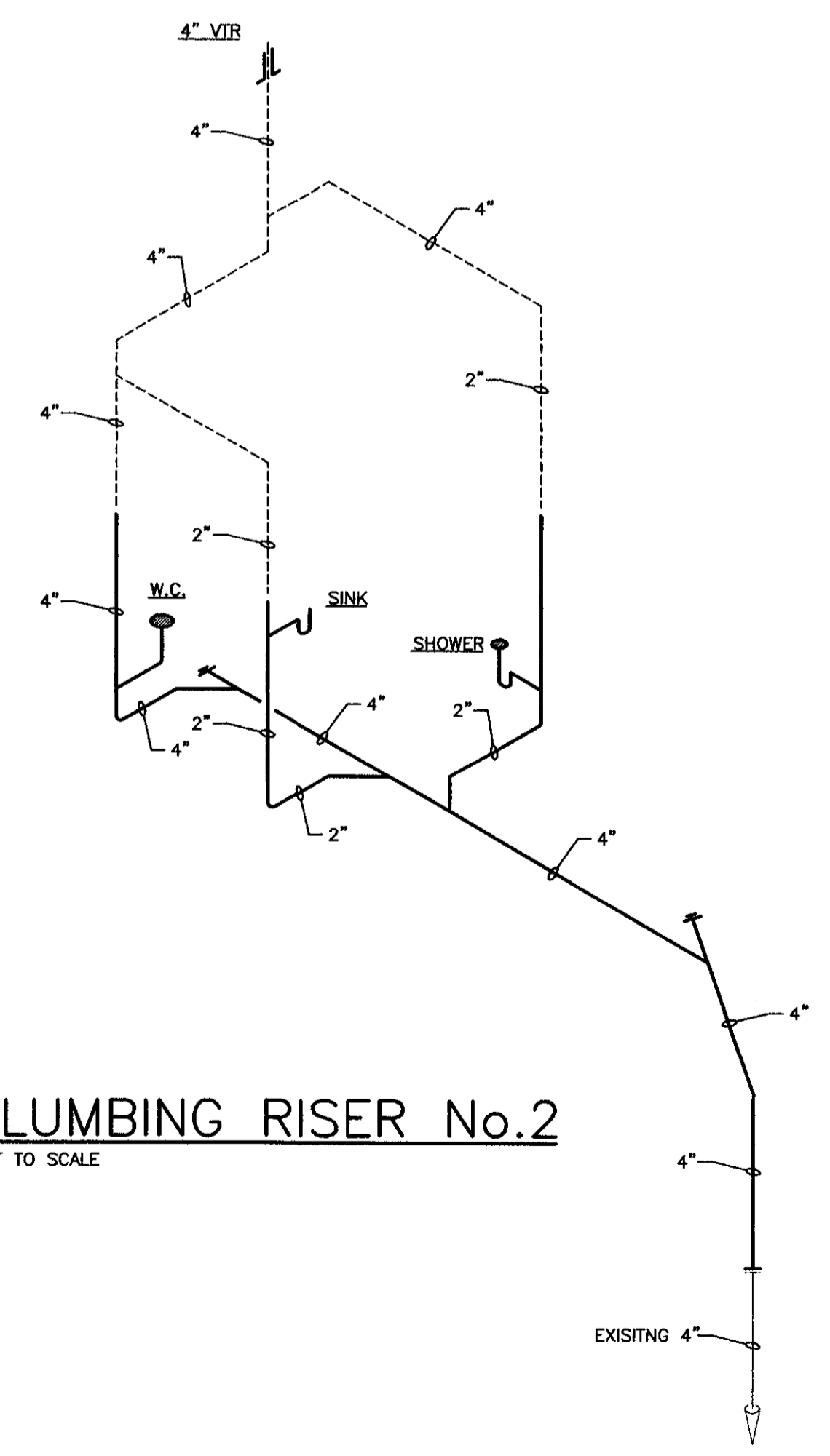
- HOT AND COLD WATER SUPPLIES TO FIXTURES SHALL BE AS FOLLOWS, UNLESS SHOWN OR NOTED OTHERWISE:  
 WATER CLOSET \_\_\_\_\_ 1/2"  
 LAVATORY \_\_\_\_\_ 1/2"  
 SINK \_\_\_\_\_ 1/2"
- PROVIDE AIR CHAMBERS ON ALL HOT AND COLD WATER SUPPLIES, TO AND FOR EACH FIXTURE, THE SAME DIAMETER AS THE SUPPLY AND 12" LONG. SEE GENERAL NOTE No.1 FOR PIPE SIZES.
- 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.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TYPE TRAP WITH NOT LESS THAN FOUR INCH (4") WATER SEAL.
- ALL VENTS THROUGH ROOF SHALL BE PROVIDED WITH 6 lb. LEAD FLASHING.
- PROVIDE GAS COCK, DIRT LEG, AND UNION AT ALL FINAL CONNECTIONS TO EQUIPMENT.
- IN ALL AREAS SUBJECT TO FREEZING, WATER PIPING SHALL BE INSTALLED ON THE THERMAL SIDE OF THE INSULATION.
- CLOSE COORDINATION AND COOPERATION SHALL BE MAINTAINED BETWEEN TRADES WITH REGARD TO PLUMBING, HVAC, FIRE PROTECTION AND ELECTRICAL PLANS.
- THE CONTRACTOR SHALL, PRIOR TO THE START OF ANY WORK UNDER THIS CONTRACT, JOB SITE VERIFY SIZE, ELEVATION, LOCATION, AND ETC. OF ANY EXISTING PIPING NOTED, SHOWN, OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.
- 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 CONTRACTOR.
- WHERE EXISTING FIXTURES AND EQUIPMENT ARE REMOVED AND NOT RELACED, CAP ALL PIPING WITHIN WALLS, FLOORS, OR CEILINGS AS REQUIRED FOR CONCEALMENT.
- REWORK EXISTING WATER, SANITARY SEWER AND VENT PIPING AS REQUIRED TO INSTALL NEW PLUMBING FIXTURES.
- EXISTING PLUMBING FIXTURES SHALL BE THOROUGHLY CLEANED AND BUFFED. EXISTING PIPING SHALL BE RODDED AND CLEANED TO THE POINT OF CONNECTION TO THE MAIN LINE.
- EXISTING PIPE, TO WHICH NEW PIPE IS CONNECTED, SHALL BE RODDED, FLUSHED AND CLEANED FROM THE POINT OF CONNECTION TO THE MAIN LINE.
- REMOVE ALL EXISTING PIPING WHICH IS DEEMED INOPERABLE AS A RESULT OF THIS CONTRACT, UNLESS SHOWN OR NOTED OTHERWISE.

## PLUMBING LEGEND

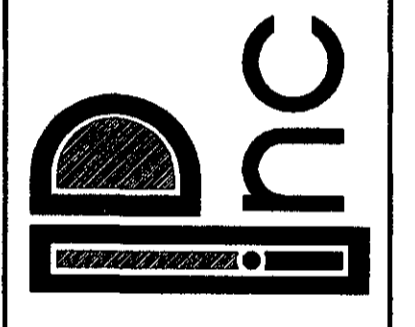
SYMBOL	DESCRIPTION	REMARKS
—	COLD, HOT & HOT WATER RETURN PIPING	
—	GAS, AIR & VACUUM PIPING	
—	INDIRECT DRAIN, STORM SEWER & SANITARY SEWER PIPING	PIPING ABOVE FLOOR UNLESS SHOWN OR NOTED OTHERWISE
—	FIRE PROTECTION & SPRINKLER PIPING	
—	PENDANT, UPRIGHT & SIDEWALL SPRINKLER HEADS	
—	VENT PIPING	
—	ACID WASTE & VENT PIPING	
—	SANITARY SEWER (WASTE) PIPING	
—	STORM SEWER PIPING	PIPING BELOW FLOOR OR GRADE UNLESS SHOWN OR NOTED OTHERWISE
—	INDIRECT DRAIN PIPING	
—	DOMESTIC WATER PIPING	
—	DESIGNATED PIPING (SC, HW, HWR, GAV, ETC.)	
—	SHUT-OFF VALVE	GATE VALVE UNLESS NOTED
—	GAS COCK	UNLESS NOTED OTHERWISE
—	UNION	
—	C.W. COLD WATER	
—	H.W. HOT WATER	
—	H.W.R. HOT WATER RETURN	
—	G.V. GATE VALVE	
—	F.H.C. FIRE HOSE CABINET	
—	P.R.V. PRESSURE REDUCING VALVE	
—	C.O. CLEANOUT	
—	C.O.G. CLEANOUT TO GRADE	SEE DETAIL
—	F.C.O. FLOOR CLEANOUT	
—	W.C.O. WALL CLEANOUT	
—	V.T.R. VENT THRU ROOF	SEE GENERAL NOTES
Ⓚ	KITCHEN EQUIPMENT REFERENCE NUMBER	SEE KIT. EQUIP. DRAWINGS
Ⓝ	RISER DIAGRAM LOCATION SHEET NUMBER	
Ⓝ	PARTIAL PLAN LOCATION SHEET NUMBER	
Ⓝ	CONNECT TO EXISTING	

## DRAIN SCHEDULE

SYMBOL	MANUFACTURER AND MODEL	REMARKS
FD-1	ZURN ZN-415-B	WITH 6" NICKEL BRONZE STRAINER



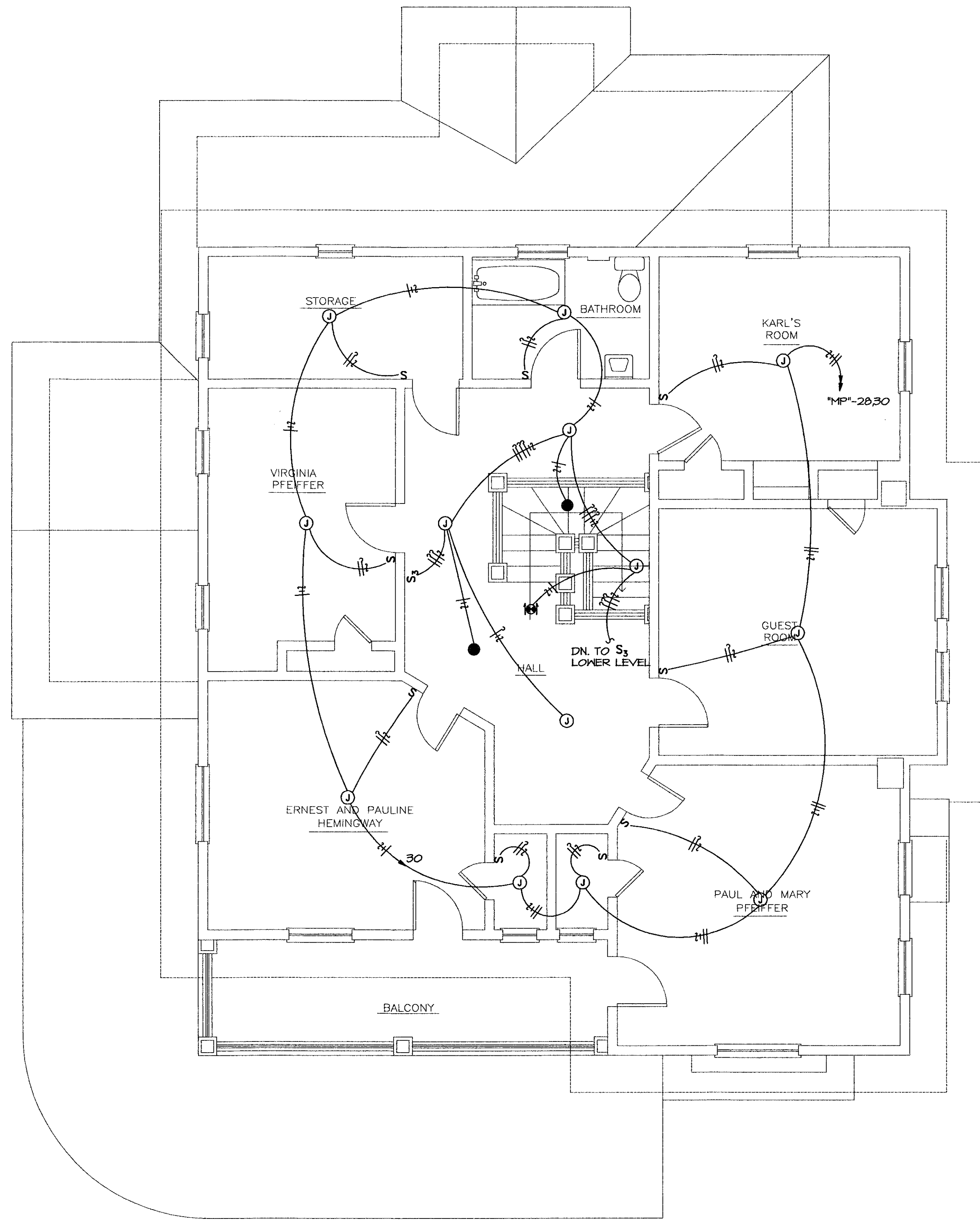
**PETTIT & PETTIT**  
 CONSULTING ENGINEERS, INC.  
 HERITAGE WEST BUILDING SUITE 400  
 201 EAST MARKHAM STREET  
 LITTLE ROCK, ARKANSAS 72201-1631  
 TELEPHONE: 501-574-5753 FAX: 501-574-8002



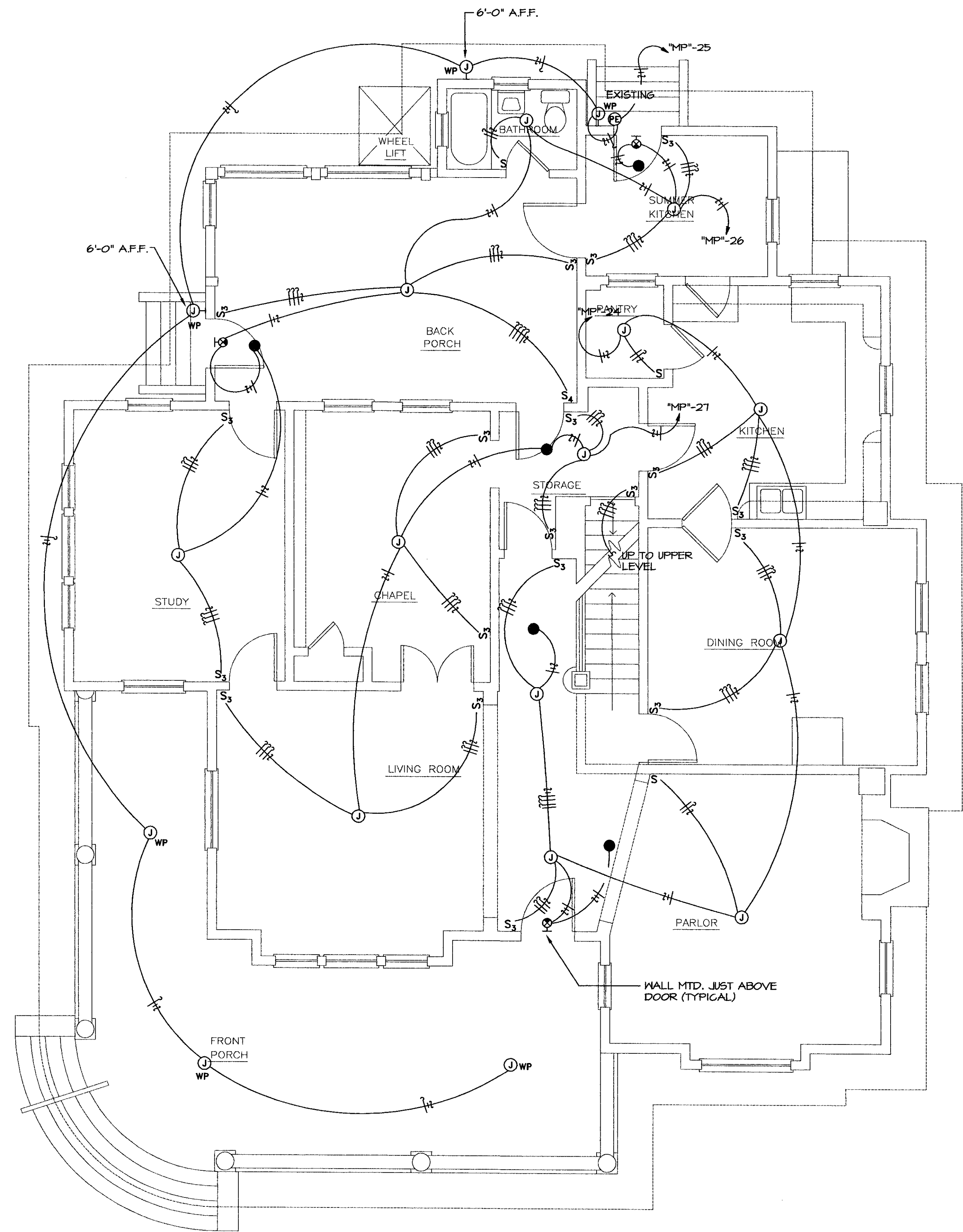
**RENOVATIONS TO**  
**PFEIFFER RESIDENCE**  
**PIGGOTT, ARKANSAS**

JOB NO: 97-169  
 DESIGN: GAF / DRH  
 DATE: 04-14-98  
 SHEET NO:  
**P201**



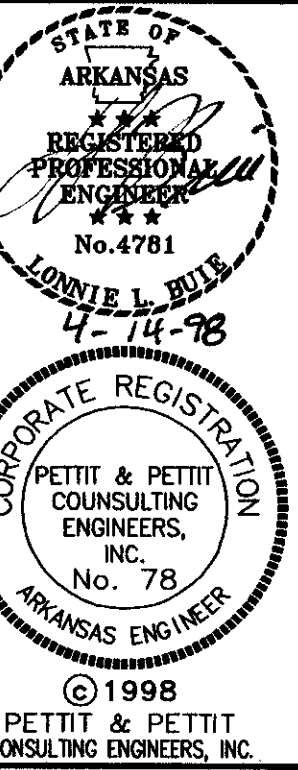


**n upper floor plan - lighting**  
 SCALE: 1/4" = 1'-0"



NOTE:  
 COORDINATE EXACT LOCATION OFF  
 ALL LIGHT FIXTURE JUNCTION BOXES  
 WITH OWNER PRIOR TO ROUGH-IN.

**n lower floor plan - lighting**  
 SCALE: 1/4" = 1'-0"



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 201 EAST MARKHAM STREET  
 LITTLE ROCK, ARKANSAS 72201-1631  
 TELEPHONE 501 374-3751 FAX/MODEM 501 374-3802



**RENOVATIONS TO**  
**PFEIFFER RESIDENCE**  
**PIGGOTT, ARKANSAS**

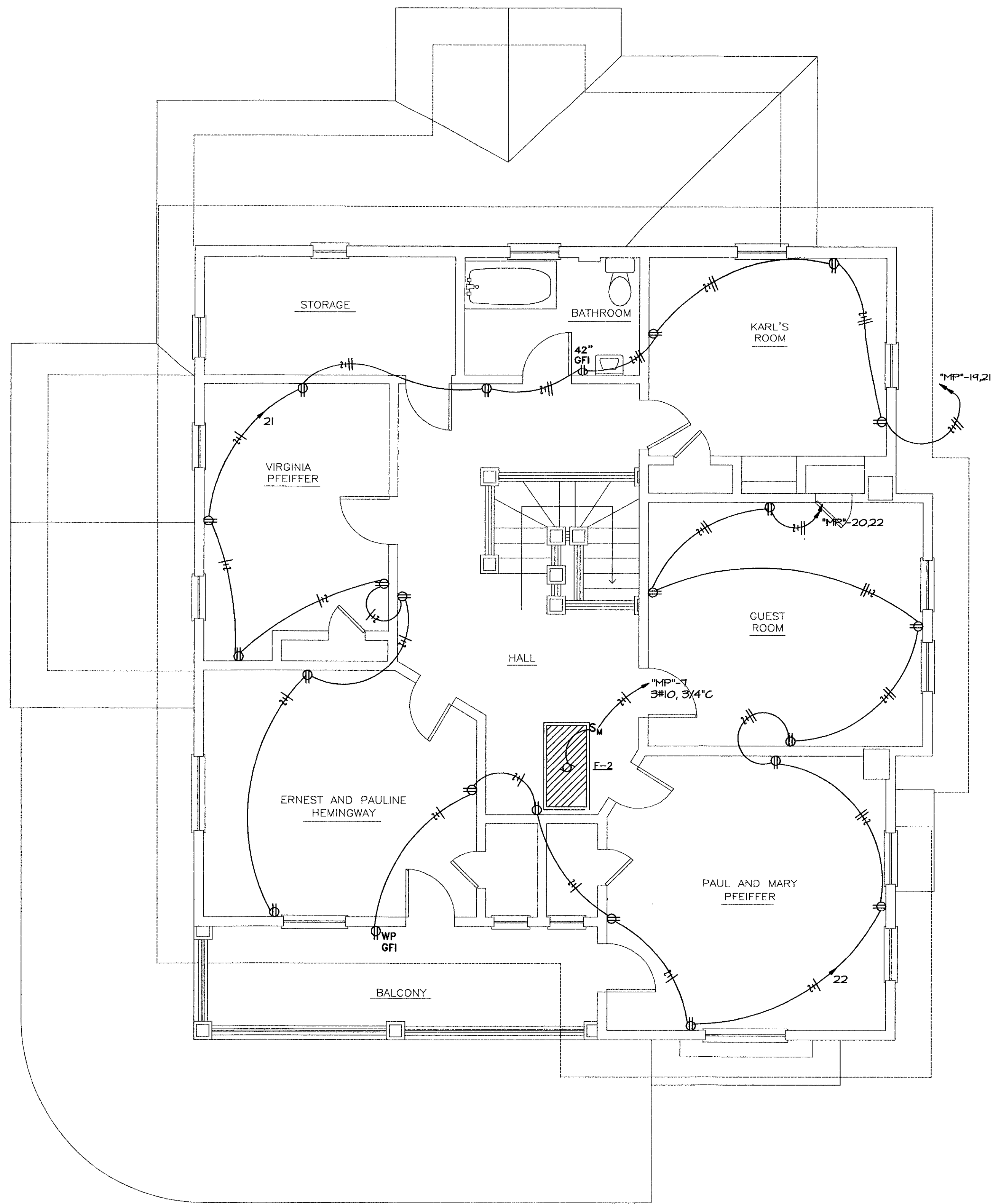
JOB NO: 97-169

DESIGN: K.L.B.

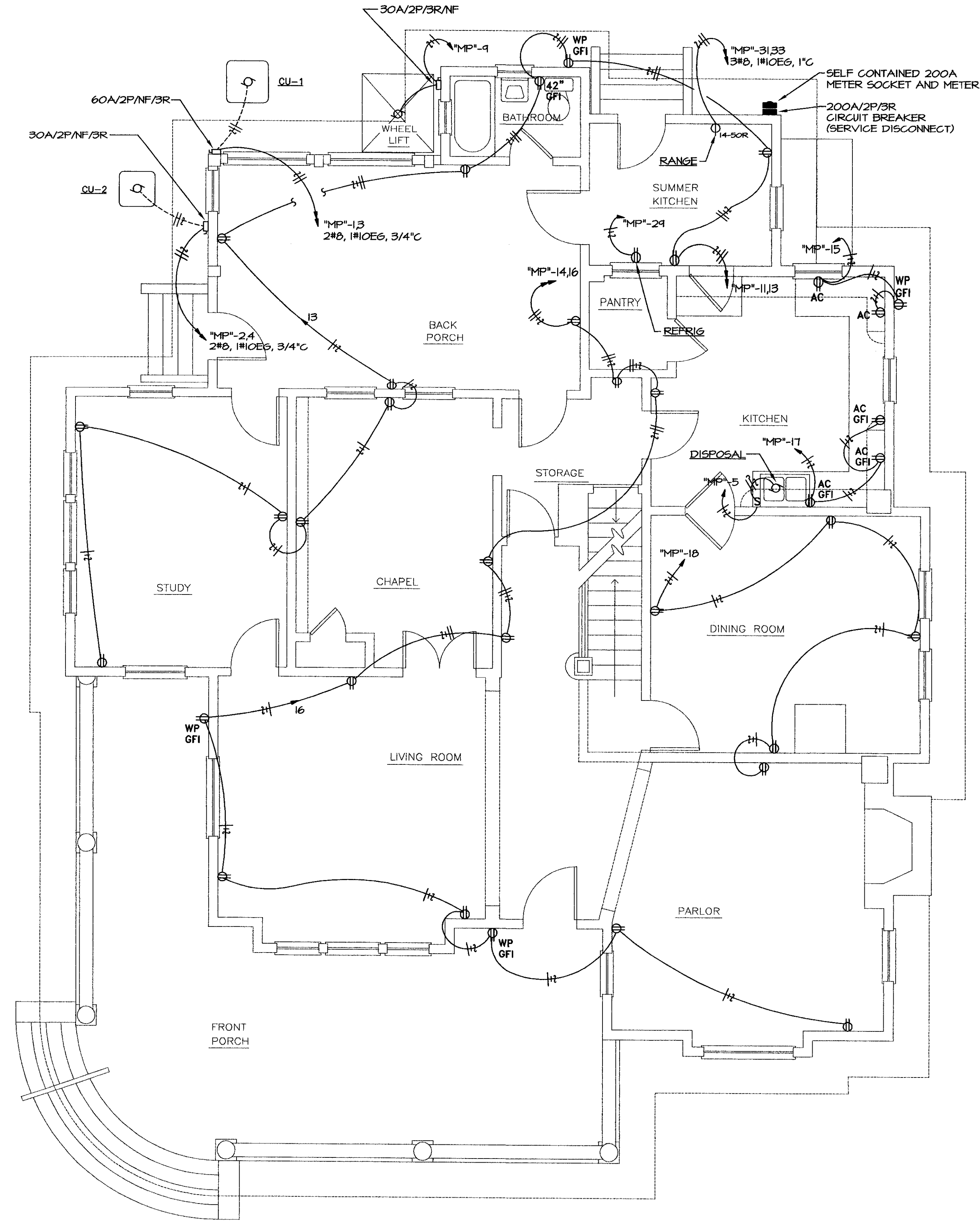
DATE: 04-3-98

SHEET NO:

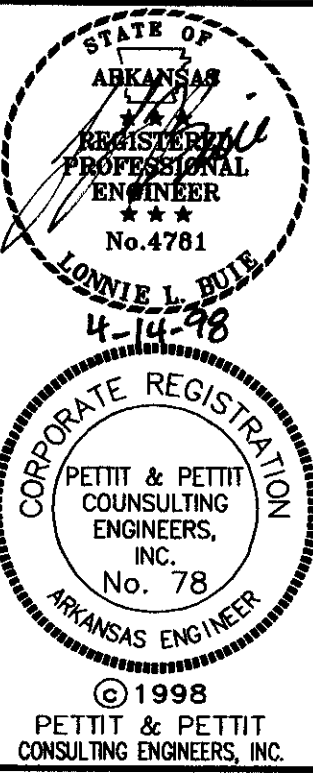
E101



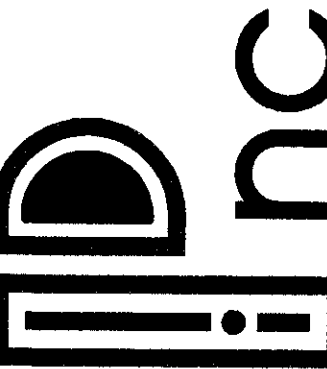
**n upper floor plan - power**  
 SCALE: 1/4" = 1'-0"



**n lower floor plan - power**  
 SCALE: 1/4" = 1'-0"



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 LITTLE ROCK, ARKANSAS 72201-1631  
 TELEPHONE 501 374-5751 FAX/MODEM 501 374-9002



**RENOVATIONS TO**  
**PFEIFFER RESIDENCE**  
**PIGGOTT, ARKANSAS**

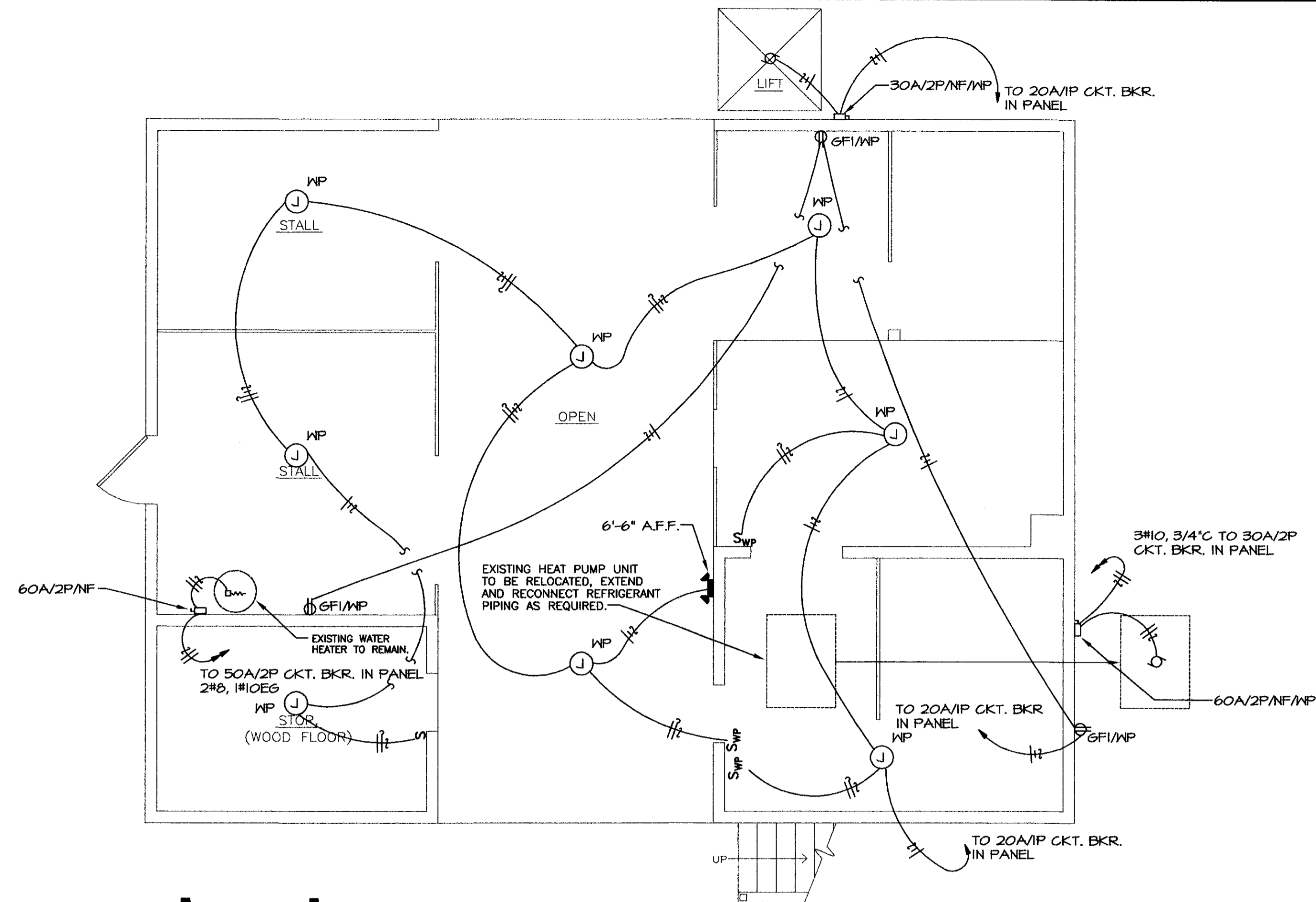
JOB NO: 97-169

DESIGN: K.L.B.

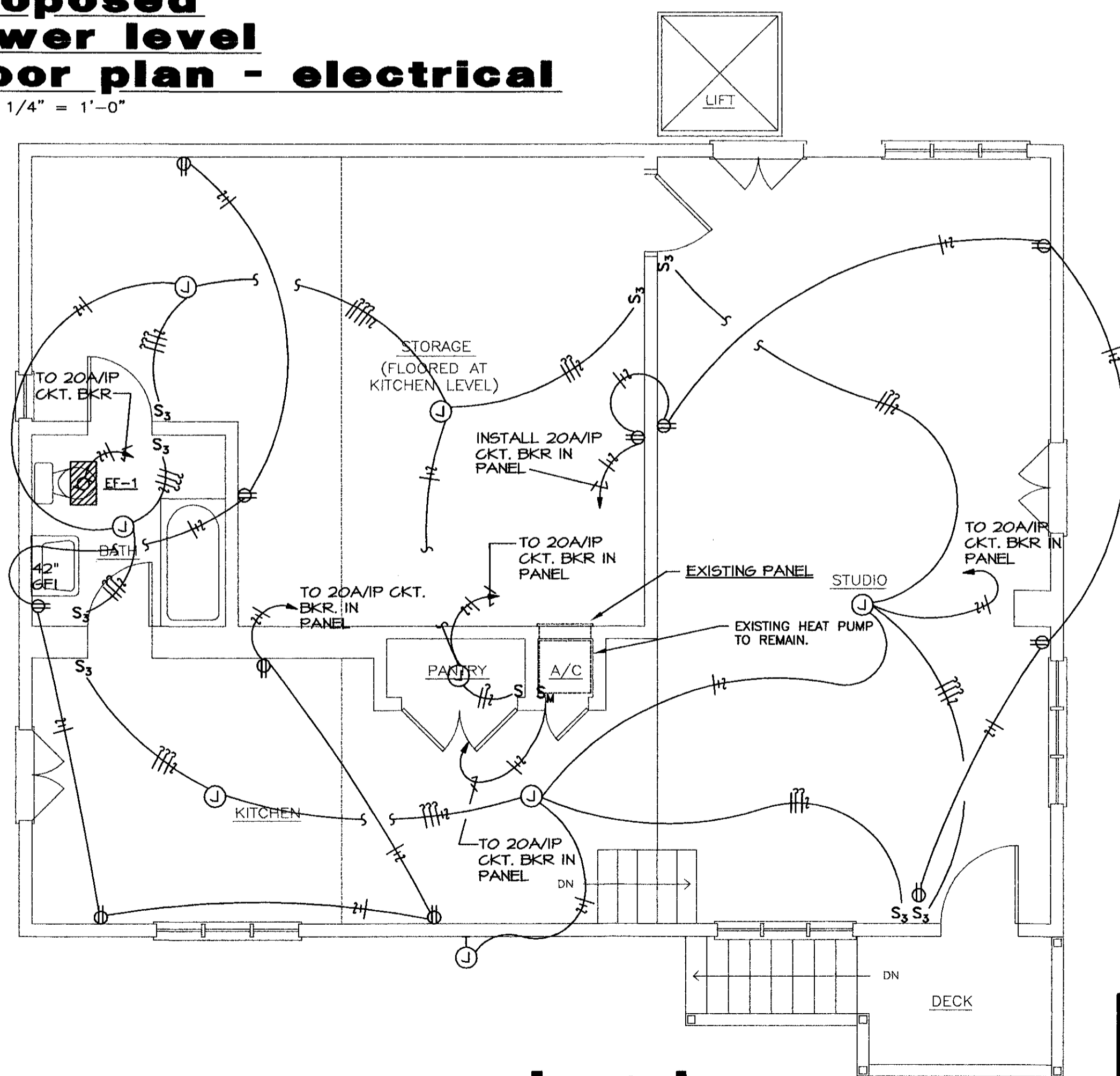
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SHEET NO:

E102

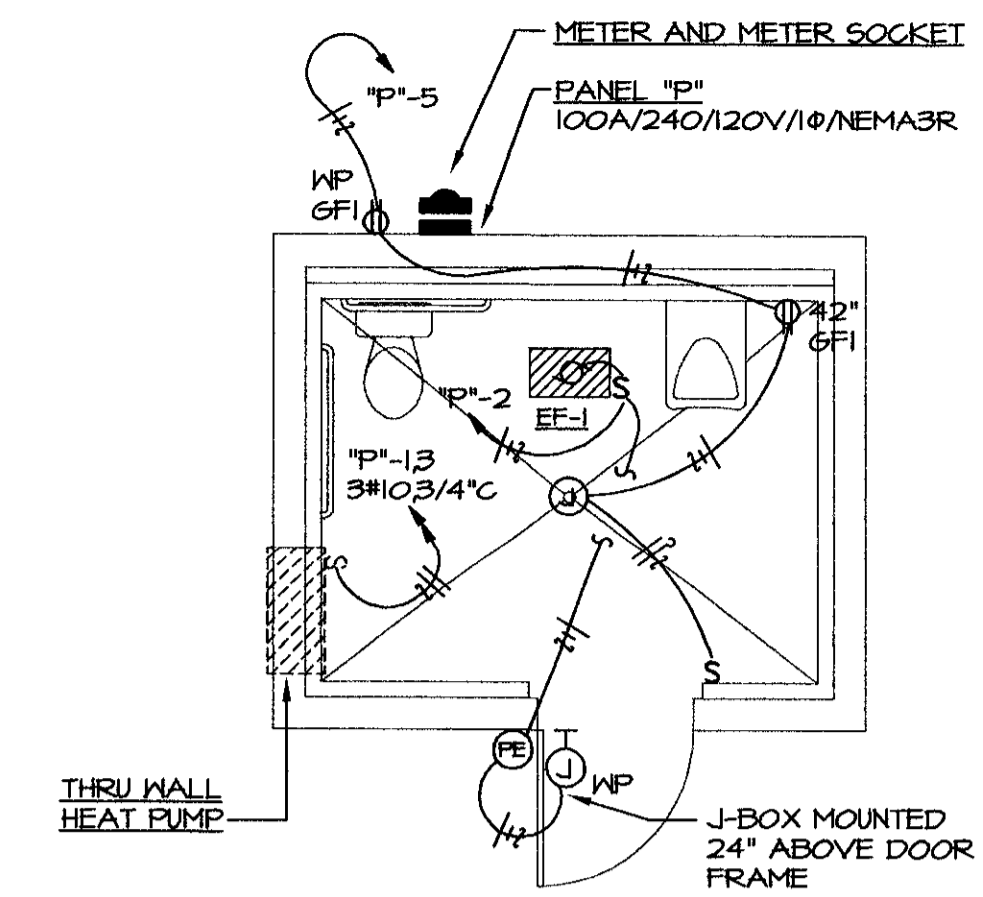


**carriage house  
proposed  
lower level  
floor plan - electrical**  
SCALE: 1/4" = 1'-0"

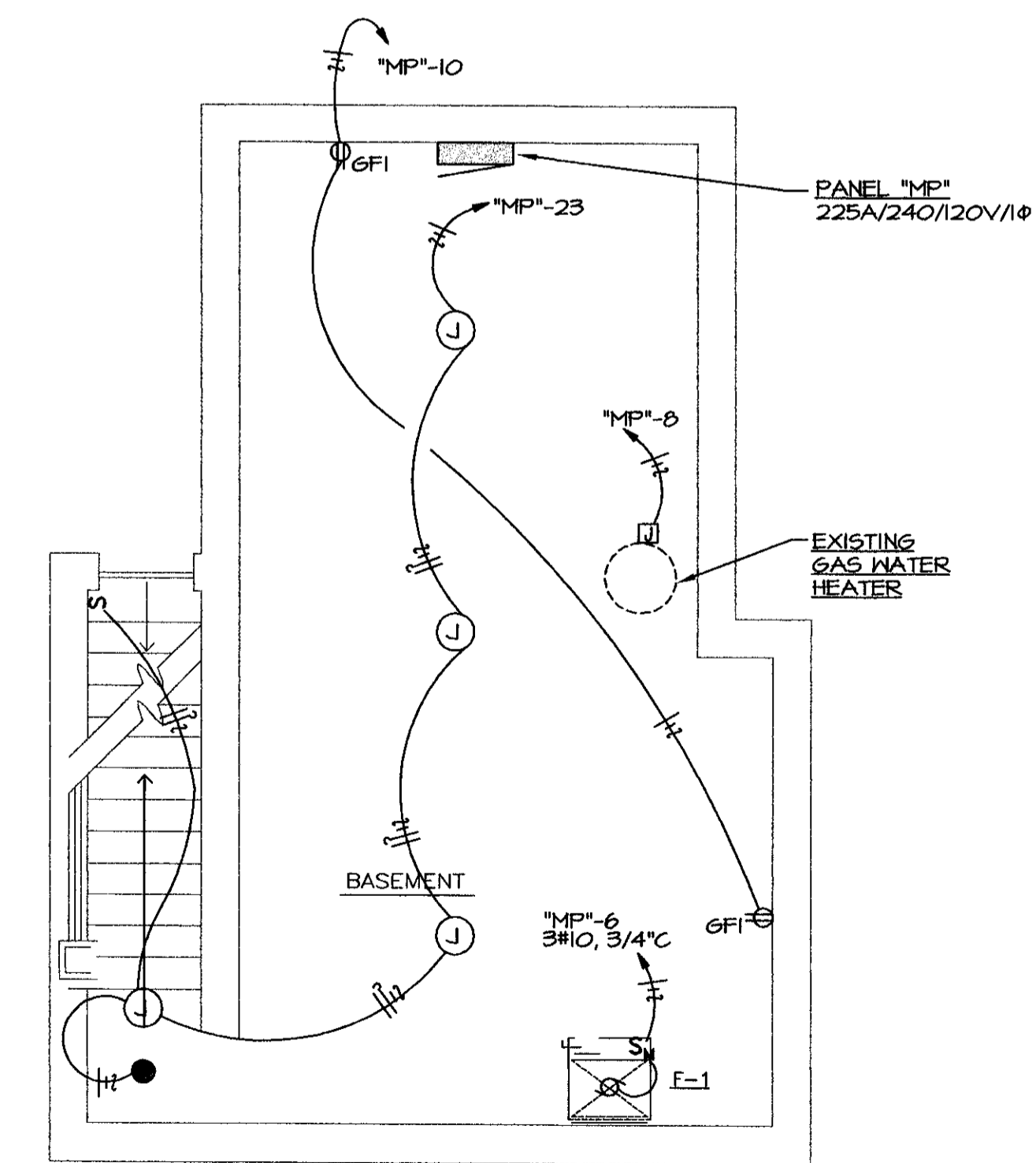


**carriage house  
proposed  
upper level  
floor plan - electrical**  
SCALE: 1/4" = 1'-0"

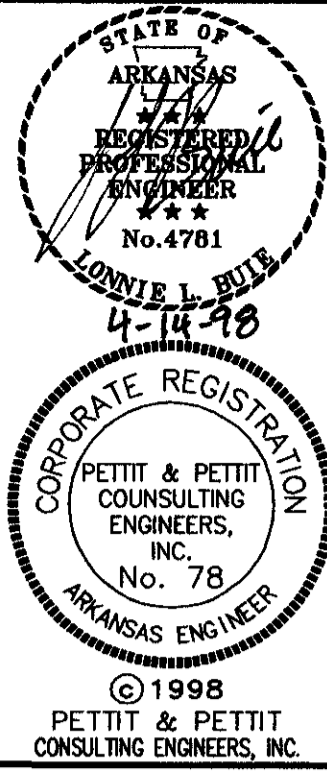
NOTE:  
COORDINATE EXACT LOCATION OFF  
ALL LIGHT FIXTURE JUNCTION BOXES  
WITH OWNER PRIOR TO ROUGH-IN.



**pfeiffer house  
basement floor plan - electrical**  
SCALE: 1/4" = 1'-0"



**pfeiffer house  
basement floor plan  
electrical**  
SCALE: 1/4" = 1'-0"



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TELEPHONE 501-374-3778 FAX/MODEM 501-374-8802



**RENOVATIONS TO  
PFEIFFER RESIDENCE  
PIGGOTT, ARKANSAS**

JOB NO: 97-169

DESIGN: K.L.B.

DATE: 04-3-98

SHEET NO:

E103

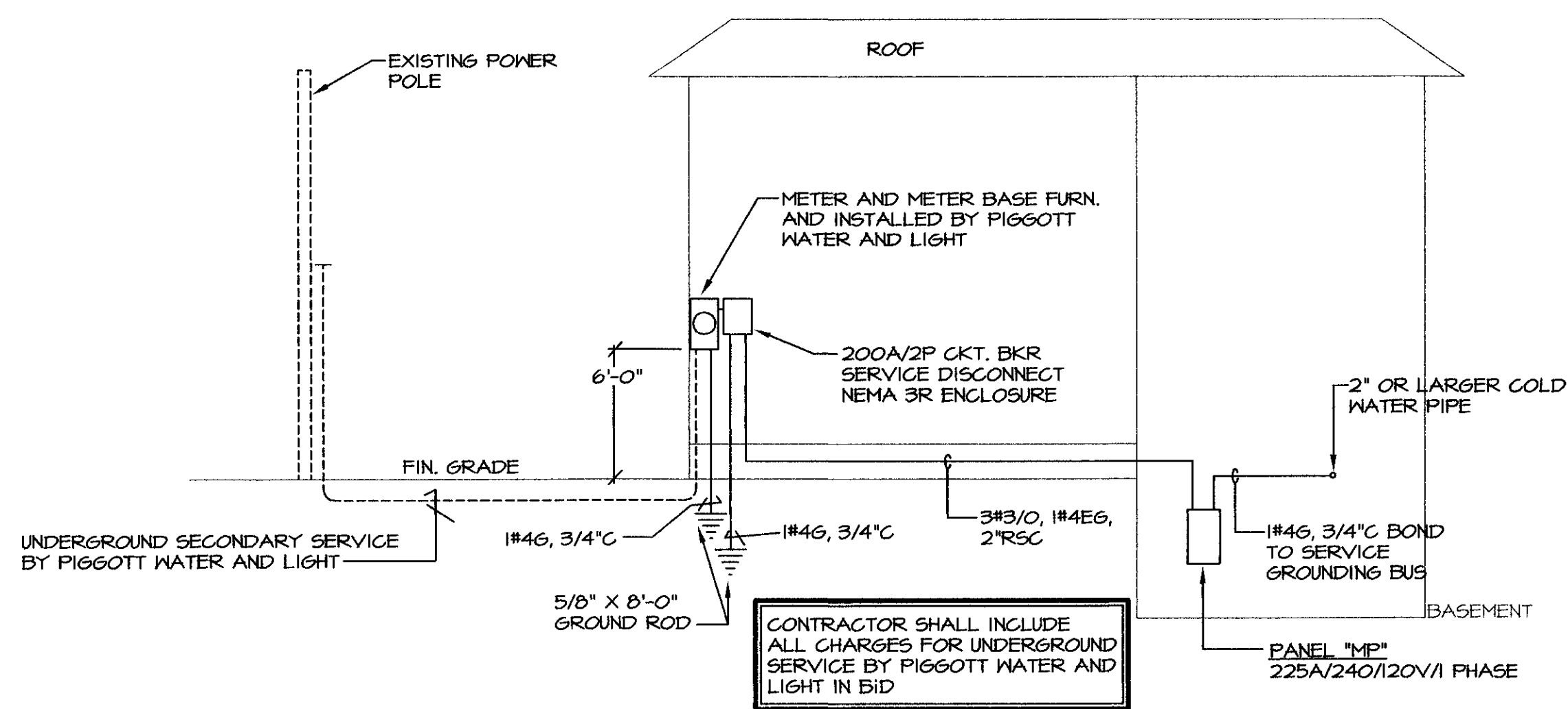
PANEL BOARD: "MP"		VOLTAGE: 240/120V/1Ø/3W		BUS RATING: 225A		LUGS ONLY		TOTAL CONNECTED VA: 37,944				
LOCATION: BASEMENT		MFG. AND TYPE: SQ-D TYPE NQOD		EQUIP. GRD. BUS: YES		ISOL. GRD. BUS: NO		TOTAL A Ø: 20,015				
SURFACE MOUNTING: ENCLOSURE: NEMA 1		MINIMUM A.I.C. RATING:		IOKAIC		FED. FROM: SERVICE		TOTAL B Ø: 17,924				
LOAD (VA)				SERVES				LOAD (VA)				
AØ	BØ	P	T	CIR. NO.	A	B	Ø	CIR. NO.	P	T	AØ	BØ
2323				2	1			2	2		CU-1	3436
2323				3				4	4			3436
600				5				6	1		F-1	1656
600	1920			7				8	1		EX. WATER HEATER	200
				9				10	1		RECEPTS. - BASEMENT	400
600	600			11				12	1		F.A. SECURITY PANEL	400
				13				14	1		RECEPTS. - PORCH, STOR., CHAPEL, L.R.	1200
600	600			15				16	1		RECEPTS. - LIVING RM., PORCH, PARLOR	1200
				17				18	1		RECEPTS. - DINING RM., PARLOR	1000
600	1200			19				20	1		RECEPTS. - GUEST RM., PFEIFER	1200
				21				22	1		RECEPTS. - PFEIFER, HALL, HEMINGWAY	1000
1200	250			23				24	1		LIGHTS - PANTRY, KIT., DINING RM., PARLOR	1200
				25				26	1		LIGHTS - SUM. KIT., PORCH, STUDY	800
1200	600			27				28	1		LIGHTS - KARLS RM., GUEST RM., PFEIFER	800
				29				30	1		LTS. - HEMINGWAY, PFEIFER, STOR., BATH, HALL	800
600	2000			31				32	1		SPARES	
				33				34				
2000				35				36				
				37				38				
				39				40				
				41				42				

PANEL BOARD: "P"		VOLTAGE: 240/120V/1Ø/3W		BUS RATING: 100A		LUGS ONLY		TOTAL CONNECTED VA: 4,281				
LOCATION: PUMP HOUSE		MFG. AND TYPE: SQ-D TYPE NQOD		EQUIP. GRD. BUS: YES		ISOL. GRD. BUS: NO		TOTAL A Ø: 2,281				
SURFACE MOUNTING: ENCLOSURE: NEMA 3R		MINIMUM A.I.C. RATING:		IOKAIC		FED. FROM: -		TOTAL B Ø: 2,000				
LOAD (VA)				SERVES				LOAD (VA)				
AØ	BØ	P	T	CIR. NO.	A	B	Ø	CIR. NO.	P	T	AØ	BØ
2000				2	1			2	1		EXH. FAN/EXT LIGHT	200
				3				4	1		SPARE	
Ø1				5				6	1		SPARE	
				7				8				
				9				10				
				11				12				
				13				14				
				15				16				
				17				18				
				19				20				
				21				22				
				23				24				
				25				26				
				27				28				
				29				30				
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				41				42				

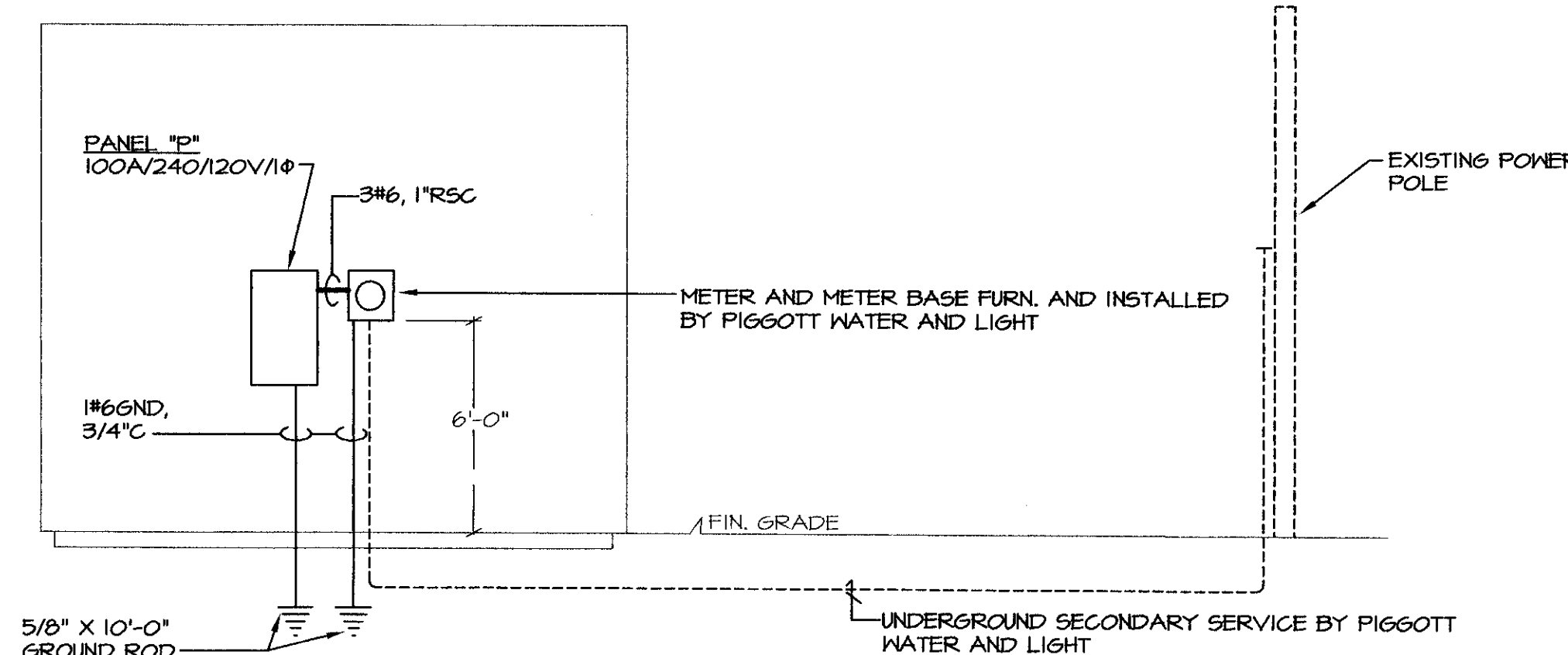
SYMBOLS SCHEDULE	
SYMBOL	DESCRIPTION
⊗	SINGLE FACE EXIT SIGN
⊙	DOUBLE FACE EXIT SIGN
●	REMOTE EMERGENCY LIGHTING UNIT - SELF CONTAINED
⊙	CEILING MOUNTED J-BOX FOR LIGHT FIXTURE
⊙-1	HALL MOUNTED J-BOX FOR LIGHT FIXTURE
⊞	SECURITY DOOR CONTACT
⊞	SECURITY MOTION DETECTOR
⊞	SMOKE DETECTOR
⊞	HEAT DETECTOR
⊞ 1500	FIRE ALARM AUDIO/VISUAL DEVICE - NUMBER INDICATES INDICATES MINIMUM CANDELA RATING OF STROBE
⊞ 1500	FIRE ALARM STROBE ONLY - NUMBER INDICATES MINIMUM CANDELA RATING OF STROBE
⊞	PHOTOCELL ISAMP RATING
⊞	SECURITY SYSTEM SIREN SPEAKER
S	SINGLE-POLE TOGGLE SWITCH
S <sub>3</sub>	THREE-WAY TOGGLE SWITCH
S <sub>4</sub>	FOUR-WAY TOGGLE SWITCH
⊞	DUPLEX RECEPTACLE
⊞	DUPLEX RECEPTACLE - GROUND FAULT INTERRUPTING, AND WEATHERPROOF TYPES INDICATED
⊞	MOTOR
⊞	BRANCH CIRCUIT IN CONDUIT - PHASE LEG, SWITCH LEG, NEUTRAL, AND EQUIPMENT GROUND INDICATED
⊞	BRANCH CIRCUIT HOMERUN - PANEL AND CIRCUIT NUMBER INDICATED

GENERAL ELECTRICAL NOTES	
1	EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
2	ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
3	MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED.
4	ALL WIRING DEVICES SHALL BE INSTALLED PLUMB, SQUARE, AND TRUE, AND ALL DEVICES INSTALLED AT A SINGLE LOCATION SHALL BE ALIGNED.
5	MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE SPECIFIED.
6	ALL WORK SHALL COMPLY WITH THE 1996 EDITION OF THE NATIONAL ELECTRICAL CODE.
7	CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES.
8	CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY-IN LIGHT FIXTURES.

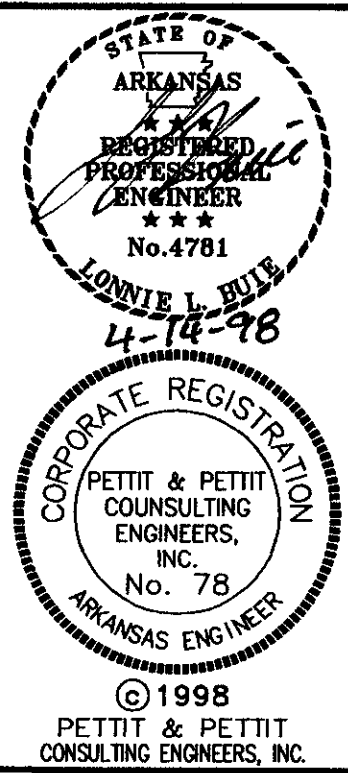
FIXTURE SCHEDULE				
TYPE	MANUFACTURER OR EQUAL	LAMPS	REMARKS	VOLTS
●	PRESCOLITE #EG1	1/4 UNIT	REMOTE RECESSED EMERG. LIGHT	120
⊗	PRESCOLITE #PEX-L-1-R-EC-W	1/4 UNIT	SINGLE FACE EXIT SIGN	120
⊙	PRESCOLITE #PEX-L-2-R-EC-W	1/4 UNIT	DOUBLE FACE EXIT SIGN	120



**PFEIFFER HOUSE ELECTRICAL RISER DIAGRAM**  
SCALE: N.T.S.



**PUMP HOUSE ELECTRICAL RISER DIAGRAM**  
N.T.S.



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**RENOVATIONS TO**  
**PFEIFFER RESIDENCE**  
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