

GAS EQUIPMENT	
TOTAL DEMAND: 698 MBH	
MARK	MBH
FU-1	66
FU-2	88
FU-3	88
FU-4	88
RTU-1	260
RTU-2	108

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CERTIFICATE OF AUTHORIZATION

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No. 3588
ARKANSAS



05/08/2026

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ELECTRIC STORAGE WATER HEATER SCHEDULE											
MARK	QTY	BASIS OF DESIGN		STORAGE (GAL)	INPUT (KW)	OUTPUT (MBH)	EWT (°F)	LWT (°F)	RECOVERY RATE (GPH)	ELECTRICAL	OPERATING WEIGHT (LB)
		MANUFACTURER	MODEL								
WH	1	A.O. SMITH	DEN-52	55	4	13.65	55	120	25.2	208/160, 19.2 FLA	605

- GENERAL NOTES (ALL UNITS AS APPLICABLE):
- PROVIDE EXPANSION TANK PER PLANS AND EQUIPMENT SCHEDULE.
 - REFER TO PLANS AND DETAILS FOR MOUNTING REQUIREMENTS.
 - PROVIDE ASME TEMPERATURE AND PRESSURE RELIEF VALVE.
 - PROVIDE NON-SIMULTANEOUS OPERATION. SCHEDULED INPUT IS FOR SINGLE ELEMENT.

PUMP SCHEDULE								
MARK	QTY	TYPE	BASIS OF DESIGN		GPM	HEAD (FT)	ELECTRICAL	DESCRIPTION
			MANUFACTURER	MODEL				
CP	1	IN-LINE CIRCULATOR	BELL & GOSSETT	NBF-9ULW	1	7.4	120/1/60, 41W (PLUG IN)	LEAD-FREE BRONZE BODY, WET ROTOR, 3/4" SWEATED BRONZE UNION CONNECTION, PROVIDE FLEXIBLE PLUG-IN CORD, PROVIDE HOT WATER RETURN LINE AQUASTAT AND TIME CLOCK.

PLUMBING EQUIPMENT SCHEDULE						
MARK	QTY	EQUIPMENT	BASIS OF DESIGN		ELECTRICAL	DESCRIPTION
			MANUFACTURER	MODEL		
AC	1	AIR COMPRESSOR	INGERSOLL RAND	2475N7.5-P	208/3/60	80 GALLON VERTICAL TANK, INTEGRAL AFTERCOOLER, LOW-OIL LEVEL SHUTOFF SWITCH, AUTOMATIC TANK DRAIN, 24.3 CFM @ 90 psi, MAX PRESSURE: 175 PSI, SIZE: 38" x 69", WEIGHT: 611 lbs.
AD	1	AIR DRYER	BEKO	RACT 30	120/1/60	FLOW RATE: 30 SCFM, MAX INLET AIR TEMP: 160 DEGREES
ET	1	EXPANSION TANK	WATTS	PLT-12	---	FIXED BLADDER TYPE, 4.5 GALLON, PRE-CHARGE AIR PRESSURE TO MATCH DOMESTIC WATER STATIC PRESSURE PRIOR TO INSTALLING, IAPMO LISTED AND ANSINSF 61 CERTIFIED.

SPECIALTY PLUMBING FIXTURE SCHEDULE				
MARK	FIXTURE	BASIS OF DESIGN		DESCRIPTION
		MANUFACTURER	MODEL	
FCO	FLOOR CLEANOUT	ZURN	Z1400	ADJUSTABLE FLOOR CLEANOUT, CAST IRON BODY, ABS TAPERED THREAD PLUG, IN FINISHED AREAS, PROVIDE POLISHED NICKEL-BRONZE LIGHT DUTY TOP. PROVIDE SCORIATED CAST IRON EXTRA-HEAVY-DUTY SECURED TOP WHERE LOCATED IN UNFINISHED AREAS SUCH AS MECHANICAL ROOMS OR WHERE SUBJECT TO DAMAGE.
FD-1	FLOOR DRAIN (ROUND)	ZURN	Z415-BZ1	6" ROUND "TYPE B" POLISHED NICKEL BRONZE, LIGHT-DUTY STRAINER, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, CONCRETE SHIELD, UP TO 1" OF VERTICAL POST POUR ADJUSTMENT, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS.
FD-2	FLOOR DRAIN (ROUND)	ZURN	Z511	9" ROUND TOP, DURA-COATED CAST IRON DEEP SUMP BODY WITH BOTTOM OUTLET, SEEPAGE PAN AND COMBINATION MEMBRANE FLASHING CLAMP AND FRAME FOR HEAVY-DUTY CAST IRON DEEP FLANGE GRATE, PROVIDE WITH SEDIMENT BUCKET.
FPWH	FREEZE PROOF WALL HYDRANT	ZURN	Z1320XL	NON-FREEZE, LEAD-FREE, ENCASED, ANTI-SIPHON AUTOMATIC DRAINING WITH INTEGRAL BACKFLOW PREVENTER, STAINLESS STEEL BOX AND HINGED COVER, OPERATING KEY LOCK, 3/4" MALE HOSE CONNECTION.
PRV	PRESSURE REDUCING VALVE	ZURN	500XL	BRONZE BODY WITH INTEGRAL BY-PASS CHECK VALVE. PROVIDE PRESSURE GAUGE DOWNSTREAM AND SHUT-OFF VALVES. MAXIMUM OPERATING PRESSURE OF 300 PSI. CONFORM TO ASSE 1003.
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS	LF909M1-QT-S, 2"	LEAD FREE, STRAINER, QUARTER TURN BALL VALVES, TEST COCKS, 175 PSI WORKING PRESSURE. INSTALL DRAIN LINE WITH AIR GAP ASSEMBLY TO APPROVED RECEPTOR.
SB	SUPPLY BOX	GUY GRAY	MIB1AB	METAL POWDER COATED, WHITE, LOW LEAD, 1/4 TURN VALVE, 1/2" SWEAT CONNECTION.
TMV	THERMOSTATIC MIXING VALVE	WATTS	LFUSG-B	+/-2"F UP TO 120°F, WITH BUILT-IN CHECK VALVES, LEAD-FREE BRASS BODY, AND COPPER THERMOSTAT. ASSE 1070.
TP	TRAP PRIMER (OR TRAP GUARD)	WATTS (MIFAB)	LFTP300 (-DR) (MI-GARD)	BRASS PRIMER VALVE WITH REMOVABLE OPERATING PARTS, LEAD FREE, INTEGRAL VACUUM BREAKER, AND GASKETED ACCESS COVER. PROVIDE DISTRIBUTION UNIT WHERE REQUIRED TO SERVE MULTIPLE TRAPS.
WB	WASHING MACHINE OUTLET BOX	GUY GRAY	B200	(INLINE DRAIN TRAP SEAL, UV RESISTANT ABS FRAME, SILICON RUBBER SEALING FLAPPERS, ASSE 1072 CERTIFIED.)
WCO	WALL CLEANOUT	ZURN	Z1470 (Z1469)	GALVANIZED, CENTER DRAIN, 1/2" SWEAT CONNECTIONS, 2" THREADED DRAIN FITTING.
WHA	WATER HAMMER ARRESTOR	ZURN	1260XL	THREADED, COUNTERSUNK, BRONZE CLEANOUT PLUG. PROVIDE STAINLESS STEEL COVER FOR FINISHED AREAS.
YCO	YARD CLEANOUT	ZURN	Z1449 / Z1474	LEAD-FREE, CONFORM TO PDI WH-201, ANSI A112.26.1M, ASSE 1010, SIZE PER MANUFACTURER'S RECOMMENDATION.
				CAST IRON FERRULE AND PLUG, DURA-COATED CAST IRON, DOUBLE-FLANGED HOUSING, AND EXTRA HEAVY DUTY SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND VANDAL-PROOF SCREWS.

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	BRANCH SIZES (MIN.)				DESCRIPTION
		CW	HW	WASTE	VENT	
DF-1	DRINKING FOUNTAIN	1/2"	---	1-1/2"	1-1/4"	ELKAY, MODEL LZSTLBWSSK, BI-LEVEL ADA COOLER AND BOTTLE FILLING STATION, FILTERED, 8 GPH, STAINLESS.
EW-1	EYE WASH	1/2"	1/2"	1-1/2"	1-1/4"	EYE WASH: GUARDIAN, MODEL G1814, WALL MOUNTED, STAINLESS STEEL BOWL, DUST COVER, CHROME PLATED BRASS STAY-OPEN VALVE.
LV-1	LAVATORY (ADA)	1/2"	1/2"	1-1/2"	1-1/2"	EMERGENCY MIXING VALVE: GUARDIAN, MODEL: G6020, ASSE 1071 CERTIFIED, CHECKSTOPS ON INLETS, ADJUSTABLE SETPOINT, BUILT-IN COLD WATER BYPASS, POSITIVE SHUTOFF OF HOT SUPPLY, DIAL THERMOMETER, WITH RECESSED STAINLESS STEEL CABINET, SET TO 65°F. ADA COMPLIANT LAVATORY, AMERICAN STANDARD, MODEL 0355.012 "LUCERNE", 20-1/2" x 18-1/4", WALL-HUNG, WHITE, VITREOUS CHINA, FRONT OVERFLOW, 4" CENTERS, CONCEALED ARM SUPPORT, D-SHAPED BOWL, SELF-DRAINING DECK AREA WITH COUNTOURED BACK AND SIDE SPLASH SHIELDS. FAUCET: AMERICAN STANDARD, MODEL 5502.175, 4" CENTERSET, 0.5 GPM, POLISHED CHROME FINISH, WITH WRIST BLADE HANDLES AND GRID STRAINER DRAIN.
MS-1	MOP SINK	1/2"	1/2"	3"	2"	PROVIDE THERMOSTATIC MIXING VALVE (TMV) SET FOR 105°F. FIAT, MODEL TSB100, TERRAZZO MOP SERVICE BASIN WITH STAINLESS STEEL CAPS ON ALL CURBS, 24" x 24" x 12", PROVIDE NO. 830AA FAUCET WITH INTEGRAL VACUUM BREAKER, NO. 832-AA HOSE AND BRACKET, NO. 1453BB FLOOR STRAINER, NO. 899-CC MOP HANGER, AND STAINLESS STEEL WALL GUARDS. LOCATE MOP HANGER BRACKET NEAR MOP SINK. COORDINATE FINAL LOCATION WITH OWNER.
MS-2	MOP SINK	1/2"	1/2"	3"	2"	FIAT, MODEL TSB500, TERRAZZO MOP SERVICE BASIN WITH STAINLESS STEEL CAPS ON ALL CURBS, 36" x 36" x 12", PROVIDE NO. 830AA FAUCET WITH INTEGRAL VACUUM BREAKER, NO. 832-AA HOSE AND BRACKET, NO. 1453BB FLOOR STRAINER, NO. 899-CC MOP HANGER, AND STAINLESS STEEL WALL GUARDS. LOCATE MOP HANGER BRACKET NEAR MOP SINK. COORDINATE FINAL LOCATION WITH OWNER.
SH-1	SHOWER (ADA TRANSFER STALL)	1/2"	1/2"	2"	1-1/2"	ADA TRANSFER SHOWER STALL: AQUARIUS, MODEL G38ZBF, 40.5" x 39.5" x 77", WHITE, ONE PIECE, GELCOAT FINISH, WITH STAINLESS STEEL GRAB BARS, HDPE FOLD UP SEAT, CURTAIN ROD, AND CENTER DRAIN. SHOWER TRIM KIT: AMERICAN STANDARD, MODEL TU62.221, INCLUDES SINGLE LEVER VALVE TRIM KIT, 3-FUNCTION 2.5 GPM HAND SHOWER WITH NON-POSITIVE SHUT-OFF, 59" METAL HOSE, VACUUM BREAKER, WALL SUPPLY AND 36" SLIDE BAR, POLISHED CHROME. PROVIDE ASSE 1016 PRESSURE BALANCING VALVE WITH SCREWDRIVER STOPS.
SK-1	SINK - DOUBLE BOWL (ADA)	1/2"	1/2"	2"	1-1/2"	ADA COMPLIANT SINK: ELKAY, MODEL LRAD291855, DROP-IN, 18 GAUGE 304 STAINLESS STEEL, 29" x 18" x 5-1/2", EQUAL DOUBLE BOWL. FAUCET: AMERICAN STANDARD, MODEL 4932.300 "EDGEWATER", PULL-DOWN KITCHEN FAUCET, SINGLE-HOLE (LESS ESCUTCHEON PLATE), HIGH ARC, 1.5 GPM, 4 FUNCTION SPRAY, POLISHED CHROME.
WC-1	WATER CLOSET (ADA, FLOOR MOUNTED, BOTTOM OUTLET, FLUSH VALVE, SENSOR)	1-1/4"	---	4"	2"	DISPOSAL: INSINKERATOR EVOLUTION ESSENTIAL, RESIDENTIAL DISPOSAL, 3/4 HP MOTOR WITH POWER CORD, 120/1/60, 8.1A, SWITCHED PLUG IN. ADA COMPLIANT TOILET: AMERICAN STANDARD, MODEL 3461.001 "MADERA", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, TOP SPUD, 16-1/2" RIM HEIGHT FOR ADA COMPLIANCE, 12" ROUGH-IN. FLUSH VALVE: SLOAN, MODEL G2 8111, EXPOSED, SENSOR OPERATED, BATTERY POWERED, 1.6 GPF, POLISHED CHROME. SEAT: AMERICAN STANDARD, MODEL 5901.100SS, OPEN FRONT LESS COVER, SELF-SUSTAINING HINGES.

- GENERAL NOTES (ALL FIXTURES AS APPLICABLE):
- FIXTURE AND HARDWARE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
 - ADA TOILETS: MOUNT CONTROLS ON ACCESSIBLE SIDE TO COMPLY WITH ADA REQUIREMENTS. COORDINATE WITH FIXTURE SUPPLIER.
 - WALL MOUNTED FIXTURES: PROVIDE AND INSTALL APPROPRIATE CARRIER FOR FIXTURE TYPE.
 - WHERE A SINK IS LOCATED ADJACENT TO DISHWASHER (FURNISHED BY OTHERS), PROVIDE MATERIALS AND MAKE DRAIN AND SUPPLY CONNECTIONS TO DISHWASHER. PROVIDE INDEPENDENT SUPPLY STOP VALVE FOR DISHWASHER.
 - ADA SINKS AND LAVATORIES: PROVIDE INSULATION KIT (TRUEBRO E-Z SERIES "LAVGUARD") WHERE PIPING IS EXPOSED.
 - REFER TO ARCHITECTURAL PLANS FOR LEFT/RIGHT HAND ORIENTATION OF FIXTURES WHERE APPLICABLE.

PLUMBING SCHEDULES

P1.0